Newfoundland Labrador

Natural Resources

Mines

GEOCHEMICAL DATA FROM THE CENTRAL MINERAL BELT OF LABRADOR (NTS MAP AREAS 13J/09, 10, 12, 13, 14, 15; 13K/02, 03, 05, 06, 07, 09, 10, 11, 14; 13O/03, 04)

G.W. Sparkes

Open File LAB/1692

St. John's, Newfoundland
March, 2017

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CONTENTS

SUMMARY

This Open File release consists of geochemical data for rock samples collected throughout the Central Mineral Belt (CMB) of Labrador (Figure 1). These samples were collected between 2007 and 2015, from both outcrop and drillcore, as part of mineral deposit studies aimed at investigating the type of uranium mineralization developed within the region. This report provides no interpretation of the geochemical data; however, for discussions related to the data contained in this release, *see* Sparkes (2017; and references therein).

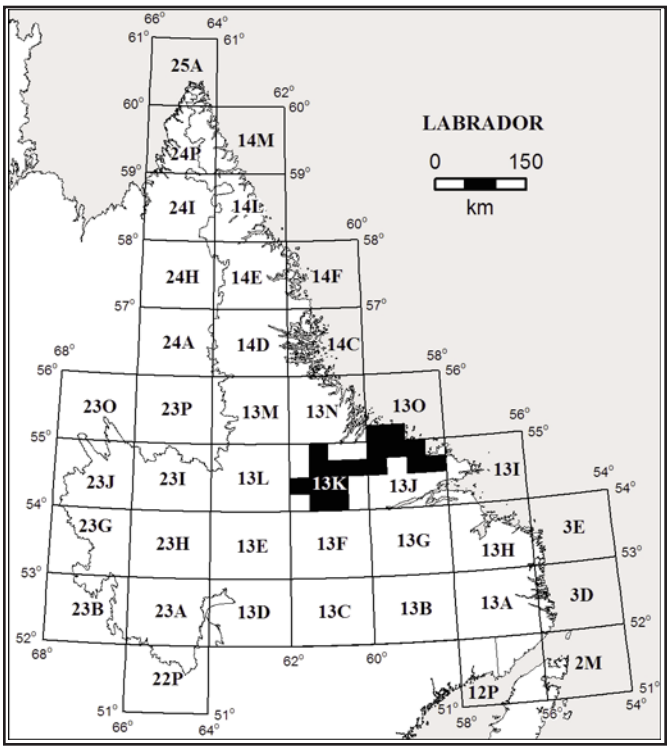

Figure 1. *Index map of study area.*

NOTES ON DATABASE

This Open File release contains geochemical data from various rock types and units throughout the CMB. A compilation of select geochemical data is provided in Appendix A, which also includes sample location data and brief descriptions. Where an element was determined by multiple methods, the value determined by the most reliable method is presented. The location data provided for drillcore samples represents the collar location of the respective drill hole. Note that the location data for all samples are provided in Universal Transverse Mercator (UTM), Zone 21 coordinate system, based on the datum NAD27.

Throughout this project, several different analytical techniques and commercial laboratories were utilized in addition to the Department of Natural Resources, Geological Survey of Newfoundland and Labrador (GSNL) laboratory. As the analyses were completed over a significant time span (2007–2015), minor changes to the number of elements analyzed and or the detection limit for certain elements have occurred for some of the analytical techniques; these changes are noted in the appendices listing all the data (not just the compiled data) for each technique used during this project (Appendices B–H). A list of abbreviations used in the databases is provided in Table 1. Standard and duplicate analyses for the various analytical methods are also included. These are provided so that the reader can access the accuracy and precision of the data analyzed. The data are tabulated below and are also available in digital format (*i.e.*, comma separated value files (*. csv files)).

Note that the negative value, -99, reported for a given sample indicates that a particular element was not analyzed. Loss-on-ignition values that are greater than the original weight ('Gain-on-ignition') are coded as -100. Negative low numerical values indicate that the concentration of

Table 1. List of abbreviated terms used in this release

-99	Sample was not analyzed for that element
4E-Expl.	Actlabs analytical package utilizing INAA and total digestion, lithium metaborate/tetraborate fusion ICP techniques
4Litho	Actlabs analytical package utilizing a combination of lithium metaborate/ tetraborate fusion ICP and trace element ICP-MS techniques
Au+34	Actlabs analytical package utilizing INAA, 1D method
Au+48	Actlabs analytical package utilizing INAA and total digestion ICP techniques, 1H method
Bec.	Becquerel Laboratories Ltd. (now Maxxam)
DDH	Diamond drill hole
DNC	Delayed Neutron Counting (Actlabs 5D method)
FUS-ICP	ICP Optical Emission Spectrometry; utilizes total digestion, lithium metaborate/ tetraborate fusion technique
FUS-MS	ICP Mass Spectrometry; utilizes total digestion, lithium metaborate/tetraborate fusion technique
GOI	Gain on ignition
GSNL	Geological Survey of Newfoundland and Labrador
ICP-OES	ICP Optical Emission Spectrometry; utilizes multi-acid digestion
ICP-MS	ICP Mass Spectrometry; utilizes total digestion, lithium metaborate/tetraborate fusion technique
INAA	Instrumental Neutron Activation Analysis
ISE	Ion selective electrode for F analysis
LOI	Loss on ignition
N/A	Not available
ppb	Parts per billion
ppm	Parts per million
TD	Total Dissolution
TD-ICP	ICP Optical Emission Spectrometry; utilizes multi-acid digestion
TD-MS	ICP Mass Spectrometry; utilizing multi-acid digestions, Ultratrace 4 method
Ultratrace 4	Actlabs analytical package utilizing multi-acid digestion and ICP-MS analysis (TD-MS)
wt. %	Weight percent

the specific element in the sample was below the lower detection limit of the analytical technique (*e.g.*, -0.01), while high negative numerical values indicate the concentration of the specific element in the sample was above the upper detection limit (*e.g.*, -1000). Samples analyzed by the Actlabs 4E-Exploration, 1D (Au +34) and 1H (Au + 48) techniques containing the value "-99" for Ba, Ce, La, Lu, Nd, Pb and Sm contained interference due to elevated uranium levels in those particular samples.

LABORATORY METHODS

GSNL Laboratory

For analyses conducted at the GSNL laboratory, trace-element data (Be, Cd, Co, Cr, Cu, Fe, Li, Mn, Mo, Ni, P, Pb, Sc, Ti, V and Zn) collected between 2007 and 2009 followed the procedure of Finch (1998), but used a 4-acid digestion of HF-$HClO_4$-HCl plus HNO_3 rather than the 3-acid digestion. For major-element analyses (plus Ba, Cr and Zr), samples were analyzed by inductively coupled plasma - optical emission spectrometry (ICP-OES), following lithium tetraborate and metaborate fusion. The rock sample powders were fused at 1000°C for 30 minutes in a graphite crucible using a blend of different lithium borates (C. Finch, personal communication, 2014). The molten fusion bead was poured directly into a 10% solution of nitric acid and stirred for approximately 15 minutes until dissolved. The solution was then topped-up to a final volume of 100 ml. An aliquot of this solution was measured directly by a Thermo Instruments iCap 6500 ICP-OES for major elements and Ba, Cr and Zr trace element abundances. This original analyte solution was further diluted 20 times, and topped-up to volume with a 2% solution of nitric acid and analyzed by a Thermo Instruments X-Series II, Inductively Coupled Plasma Mass Spectrometer (ICP-MS) for most other trace- and rare-earth elements for samples analyzed after 2009. Major elements are reported in weight percent (wt. %), and trace elements are reported in parts per million (ppm) or parts per billion (ppb). Volatiles are reported as loss on ignition (LOI), and are determined by gravimetric methods. Where the oxidation state was determined *via* titration, iron is presented as FeO and Fe_2O_3, otherwise it is presented as Fe_2O_3 (T; total iron is represented by Fe^{3+}).

For Ag analysis, one half gram of the powdered sample was weighed into a 15 ml digestion tube, and then two milliliters of concentrated nitric acid was added; the tubes are then capped and allowed to sit for twelve hours. The tubes are then placed on a digestion block for two hours on a 90°C. During this time the tubes are mixed every thirty minutes and after two hours they are removed, allowed to cool, and made to final volume with deionized water. The digested sample is analyzed by ICP-OES and the data is calculated and reported in micrograms per milliliter (ppm). The sample run is initially calibrated with standards prepared from commercially available National Institute of Standards and Technology (NIST) traceable stock solutions, also interfering element concentration solutions (IEC) are run to correct for spectral interferences. All spectral lines are corrected for background. Drift correction and calibration verification solutions are run at a regular frequency to monitor signal drift and correct for it.

For F analysis the sample is prepared following the procedure described by Ficklin (1970). A 250 mg of the powdered sample and 1 g of a flux, consisting of two parts by weight Na_2CO_3 and one part by weight KNO_3, is fused over a Bunsen burner flame for approximately 10 minutes. The residue is then leached with deionized water. The 'alkaline fused extracts' is neutralized using 10 ml 10% (weight/volume) citric acid and the resulting solution is diluted to 100 ml with water. The pH of the resulting solution should be from 5.5 to 6.5. The fluoride content of the test solution is then measured using a fluoride ion selective electrode (ISE) on a Mettler Toledo T50 Ion Meter. Standards contain flux solution and citric acid in the same quantities as the sample solution. Fluoride is reported from the derived calibration in micrograms per milliliter (ppm).

Details of the analytical procedures for external commercial analyses are provided below and have been extracted from information provided on the respective company websites (Activation Laboratories, http://www.actlabs.com; Becquerel Laboratories [now Maxxam], http://www.maxxam.ca). These various analytical packages are subdivided by the respective codes used by the companies, which are also used in this report to identify the various analytical procedures used for individual samples.

Actlabs 1D – INAA (Au+34); from Hoffman (1992)
(http://www.actlabs.com/page.aspx?page=496&app=226&cat1=549&tp=12&lk=no&menu=64)

The sample is encapsulated in a polyethylene vial and irradiated with flux wires, standards and blanks at a thermal neutron flux of 7 x 10^{12} n.cm^{-2} s^{-1}. The samples are measured the next day for the induced Au-198 photopeak at 411.8 KeV. Samples are compared to a calibration developed from multiple international reference materials.

A 30 g aliquot, if available, is encapsulated in a polyethylene vial and irradiated along with flux wires at a thermal neutron flux of 7 x 10^{12} n.cm^{-2} s^{-1}. After a 7-day period to allow Na-24 to decay the samples are counted on a high purity Ge detector with resolution of better than 1.7 KeV for the 1332 KeV Co-60 photopeak. Using the flux wires, the decay-corrected activities are compared to a calibration developed from multiple certified international reference materials. The standard present is only a check on accuracy and is not used for calibration purposes. From 10-30% of the samples are rechecked by re-measurement. For values exceeding the upper limits, assays are recommended. One standard is run for every 11 samples. One blank is analyzed per work order. Duplicates are analyzed when samples are provided.

Actlabs 1H – Total Digestion – ICP, INAA (Au+48); from Hoffman (1992)
(http://www.actlabs.com/page.aspx?page=506&app=226&cat1=549&tp=12&lk=no&menu=641)

The INAA procedure is the same as for the 1D analytical package listed above. For the total digestion ICP portion of the package a 0.25 g sample is digested with four acids beginning with hydrofluoric, followed by a mixture of nitric and perchloric acids. This is then heated using precise programmer controlled heating in several ramping and holding cycles and takes the samples to incipient dryness. After incipient dryness is attained, samples are brought back into solution using aqua regia.

With this digestion, certain phases may be only partially solubilized. These phases include zircon, monazite, sphene, gahnite, chromite, cassiterite, rutile and barite. Ag greater than 100 ppm and Pb greater than 5000 ppm should be assayed as high levels may not be solubilized. Only sulphide sulphur will be solubilized.

The samples are then analyzed using an Agilent 735 ICP. Quality control for the digestion is 14% for each batch, 5 method reagent blanks, 10 in-house controls, 10 sample duplicates, and 8 certified reference materials. An additional 13% quality control is performed as part of the instrumental analysis to ensure quality in the areas of instrumental drift.

Actlabs 4E-Exploration – INAA, Total Digestion – ICP, Lithium Metaborate/Tetraborate Fusion – ICP; from Actlabs (2017)
(http://www.actlabs.com/page.aspx?page=522&app=226&cat1=549&tp=12&lk=no&menu=64)

The INAA portion is the same as for the 1D analytical package listed above, except a 1 g aliquot is encapsulated. For the ICP portion of the analytical package, a 0.25 g sample aliquot is digested with a mixture of perchloric, nitric, hydrochloric, and hydrofluoric acids at 200°C to fuming and is then diluted with aqua regia. This leach is partial for magnetite, chromite, barite and other spinels and potentially massive sulphides. Note when Ag values are <100 ppm the package uses ICP, for values >100 ppm it uses INAA, and when Ba values are <2000 ppm the package uses FUS-ICP, for values >2000 ppm it uses INAA.

Major elements are determined by fusion ICP/OES. Samples are prepared and analyzed in a batch. Each batch contains a method reagent blank, certified reference material, and 17% replicates. Samples are mixed with a flux of lithium metaborate and lithium tetraborate and fused in an induction furnace. The molten melt is immediately poured into a solution of 5% nitric acid containing an internal standard, and mixed continuously until completely dissolved (~30 minutes). The samples are then run for major oxides and selected trace elements (Code 4B) on a combination simultaneous/sequential Thermo Jarrell-Ash ENVIRO II ICP.

For the ICP analysis, reagent blanks with and without the lithium borate flux are analyzed, as well as the method reagent blank. Interference correction verification standards are analyzed. Calibration is performed using multiple USGS and CANMET certified reference materials. Two of the standards are used during the analysis for every group of ten samples. This standard brackets the group of samples. The sample solution is also spiked with internal standards and is further diluted and introduced into a Perkin Elmer SCIEX ELAN 6000 ICP/MS using a proprietary sample introduction method. Calibration is performed using USGS and CANMET certified reference materials.

Actlabs 4 Litho – Lithium Metaborate/Tetraborate Fusion – ICP and ICP/MS; from Actlabs (2017)
(http://www.actlabs.com/page.aspx?page=516&app=226&cat1=549&tp=12&lk=no&menu=64)

This analytical package represents a combination of packages Code 4B (lithium metaborate/tetraborate fusion ICP whole rock) and Code 4B2 (trace element ICP/MS).

For the lithium metaborate/tetraborate fusion – ICP portion of the analysis samples are prepared and analyzed in a batch. Each batch contains a method reagent blank, certified reference material and 17% replicates. Samples are mixed with a flux of lithium metaborate and lithium tetraborate and fused in an induction furnace. The molten melt is immediately poured into a solution of 5% nitric acid containing an internal standard, and mixed continuously until completely dissolved (~30 minutes). The samples are run for major oxides and selected trace elements (Code 4B) on a combination simultaneous/sequential Thermo Jarrell-Ash ENVIRO II ICP or a Varian Vista 735 ICP. Calibration is performed using 7 prepared USGS and CANMET certified reference materials. One of the 7 standards is used during the analysis for every group of ten samples.

Totals should be between 98.5% and 101%. If results come out lower, samples are scanned for base metals. Low reported totals may indicate sulphate being present or other elements like Li which are not normally scanned. Samples with low totals however are automatically re-fused and re-analyzed.

For the lithium metaborate/tetraborate fusion – ICP/MS portion of the analysis samples are fused and diluted and analyzed by Perkin Elmer Sciex ELAN 6000, 6100 or 9000 ICP/MS. Three blanks and five controls (three before the sample group and two after) are analyzed per group of samples. Duplicates are fused and analyzed every 15 samples. Instrument is recalibrated every 40 samples.

Actlabs Ultratrace 4 – "Near Total" Digestion - ICP/MS; from Actlabs (2017)
(http://www.actlabs.com/page.aspx?page=509&app=226&cat1=549&tp=12&lk=no&menu=64)

A 0.25 g sample is digested using four acids beginning with hydrofluoric, followed by a mixture of nitric and perchloric acids, heated using precise programmer controlled heating in several ramping and holding cycles which takes the samples to dryness. After dryness is attained, samples are brought back into solution using hydrochloric and nitric acids. This digestion may not be completely total if resistate minerals are present; As, Sb and Cr may be partially volatilized. An in-lab standard (traceable to certified reference materials) or certified reference materials are used for quality control.

Digested samples are diluted and analyzed by Perkin Elmer Sciex ELAN 6000, 6100 or 9000 ICP/MS. One blank is run for every 40 samples. In-house control is run every 20 samples. Digested standards are run every 80 samples. After every 15 samples, a digestion duplicate is analyzed. Instrument is recalibrated every 80 samples.

Actlabs 5D – U-DNC Total; from Hoffman (1992)
(http://www.actlabs.com/page.aspx?page=560&app=226&cat1=549&tp=12&lk=no&menu=64)

Samples are analyzed using the computer automated delayed neutron counting system at a thermal neutron flux of 7×10^{12} n $cm^{-2}s^{-1}$ for the irradiation site of the delayed neutron counting system. Samples are weighed to 1 g into small vials. The small vials are encapsulated in a medium vial, which is heat sealed at the McMaster Nuclear Reactor.

Three blanks and a minimum of two standards are run at the beginning and end of the counting cycle to ensure proper setup. One blank and one standard are counted every 30 samples. Four standards of varying U concentration are rotated throughout the run. Duplicates are analyzed when a sample is provided.

Becquerel (now Maxxam) – INAA; from Maxxam (personal communication, 2017)

The instrumental neutron activation analysis (INAA) involves the transfer of 10–40 grams of sample to tared, plastic, watertight vials. Each vial is uniquely identified with a bar code and a flux monitor affixed to the base. These vials are stacked into one-foot long bundles for irradiation. The

bundles contain randomly selected duplicate samples at the base of the bundle and standards inserted at random positions in the bundle.

The bundles are submitted for exposure to a flux of neutrons at the McMaster Nuclear Reactor, which has flux of $8x10^{12}$ neutrons/cm^2/sec. These bundles are inserted into the core of the reactor for twenty minutes. The bundles are rotated during irradiation so that there is no horizontal flux variation. (The vertical flux variation is monitored with the individual flux monitors.) This irradiation causes many of the elements in the sample to become radioactive and begin to emit radiation in the form of penetrating gamma rays whose energies (or wavelengths) are characteristic of particular elements.

After the standard decay period of six days, the irradiated samples are loaded onto the counting system. The sample is placed close to a gamma-ray spectrometer having a high resolution, coaxial Ge detector. Gamma rays radiate continuously and the interaction of these with the detector lead to discrete voltage pulses proportional in height to the incident gamma-ray energies. Our specially developed multichannel analyzer sorts out the voltage pulses from the detector according to their size and digitally constructs a spectrum of gamma-ray energies versus intensities. The counting time is twenty to thirty minutes per sample. By comparing spectral peak positions and areas with library standards, the elements comprising the samples are qualitatively and quantitatively identified.

ACKNOWLEDGMENTS

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Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
1	GS-07-001	7740001	2007	21	359920	6113210	NAD27	13O/03	A-7	Core	A-3-2	3.50	4.00	GSNL; Bec.	ICP Majors and Traces; INAA
2	GS-07-002	7741178	2007	21	359920	6113210	NAD27	13O/03	A-7	Core	A-3-2	28.19	28.44	Actlabs	1H (Au+48)
3	GS-07-003	7741179	2007	21	359920	6113210	NAD27	13O/03	A-7	Core	A-3-2	28.44	28.69	Actlabs	1H (Au+48)
4	GS-07-004	7741181	2007	21	359920	6113210	NAD27	13O/03	A-7	Core	A-3-2	29.00	29.20	Actlabs	4E-Expl
5	GS-07-005	7741182	2007	21	359920	6113210	NAD27	13O/03	A-7	Core	A-3-2	35.70	35.90	Actlabs	1H (Au+48)
6	GS-07-006	7741183	2007	21	359920	6113210	NAD27	13O/03	A-7	Core	A-3-2	35.90	36.10	Actlabs	1H (Au+48)
7	GS-07-008	7740158	2007	21	359920	6113210	NAD27	13O/03	A-7	Core	A-3-2	75.00	75.40	GSNL	ICP Majors and Traces
8	GS-07-010	7740002	2007	21	361040	6111550	NAD27	13O/03	A-7	Core	A-7-2	24.50	25.00	GSNL	ICP Majors and Traces
9	GS-07-011	7740159	2007	21	361040	6111550	NAD27	13O/03	A-7	Core	A-7-2	38.22	38.72	GSNL; Bec.	ICP Majors and Traces; INAA
10	GS-07-012	7741184	2007	21	361040	6111550	NAD27	13O/03	A-7	Core	A-7-2	38.72	39.32	Actlabs	4E-Expl
11	GS-07-013	7741185	2007	21	361040	6111550	NAD27	13O/03	A-7	Core	A-7-2	39.32	40.80	Actlabs	4E-Expl
12	GS-07-014	7741186	2007	21	361040	6111550	NAD27	13O/03	A-7	Core	A-7-2	40.80	41.30	Actlabs	1H (Au+48)
13	GS-07-015	7741187	2007	21	361040	6111550	NAD27	13O/03	A-7	Core	A-7-2	42.08	42.30	Actlabs	1H (Au+48)
14	GS-07-016	7741188	2007	21	361040	6111550	NAD27	13O/03	A-7	Core	A-7-2	44.60	45.10	Actlabs	1H (Au+48)
15	GS-07-018	7740003	2007	21	361040	6111550	NAD27	13O/03	A-7	Core	A-7-2	67.50	67.80	GSNL	ICP Majors and Traces
16	GS-07-020	7740161	2007	21	361040	6111550	NAD27	13O/03	A-7	Core	A-7-2	71.65	72.05	GSNL	ICP Majors and Traces
17	GS-07-021	7740004	2007	21	361040	6111460	NAD27	13O/03	A-7	Core	A-7-5	5.20	5.70	GSNL	ICP Majors and Traces
18	GS-07-022	7740162	2007	21	361040	6111460	NAD27	13O/03	A-7	Core	A-7-5	15.42	15.92	GSNL	ICP Majors and Traces
19	GS-07-024	7740005	2007	21	361040	6111460	NAD27	13O/03	A-7	Core	A-7-5	30.50	31.00	GSNL	ICP Majors and Traces
20	GS-07-025	7740006	2007	21	361040	6111460	NAD27	13O/03	A-7	Core	A-7-5	37.10	37.60	GSNL	ICP Majors and Traces
21	GS-07-027	7740007	2007	21	361040	6111460	NAD27	13O/03	A-7	Core	A-7-5	60.85	61.25	GSNL	ICP Majors and Traces
22	GS-07-028	7740008	2007	21	361040	6111460	NAD27	13O/03	A-7	Core	A-7-5	62.13	62.73	GSNL	ICP Majors and Traces
23	GS-07-029	7740069	2007	21	361030	6111390	NAD27	13O/03	A-7	Core	A-7-6	5.20	5.70	GSNL; Bec.	ICP Majors and Traces; INAA
24	GS-07-030	7740009	2007	21	361030	6111390	NAD27	13O/03	A-7	Core	A-7-6	27.30	27.80	GSNL; Bec.	ICP Majors and Traces; INAA
25	GS-07-032	7741189	2007	21	361030	6111390	NAD27	13O/03	A-7	Core	A-7-6	41.28	41.58	Actlabs	1H (Au+48)
26	GS-07-034	7740163	2007	21	361040	6111520	NAD27	13O/03	A-7	Core	A-7-4	23.80	24.30	GSNL	ICP Majors and Traces
27	GS-07-037	7740071	2007	21	361040	6111520	NAD27	13O/03	A-7	Core	A-7-4	50.05	50.44	GSNL; Bec.	ICP Majors and Traces; INAA
28	GS-07-039	7740072	2007	21	361040	6111520	NAD27	13O/03	A-7	Core	A-7-4	55.80	56.07	GSNL; Bec.	ICP Majors and Traces; INAA
29	GS-07-040	7741191	2007	21	361040	6111520	NAD27	13O/03	A-7	Core	A-7-4	56.58	57.28	Actlabs	4E-Expl
30	GS-07-041	7741192	2007	21	361020	6111540	NAD27	13O/03	A-7	Core	A-7-1	19.03	19.53	Actlabs	4E-Expl
31	GS-07-043	7741193	2007	21	361020	6111540	NAD27	13O/03	A-7	Core	A-7-1	23.90	24.28	Actlabs	4E-Expl
32	GS-07-044	7740164	2007	21	361020	6111540	NAD27	13O/03	A-7	Core	A-7-1	30.08	30.58	GSNL	ICP Majors and Traces
33	GS-07-047	7740011	2007	21	233121	6047112	NAD27	13K/11	Canico Anomaly No 7	Core	51543	5.40	6.00	GSNL	ICP Majors and Traces
34	GS-07-048	7741194	2007	21	233121	6047112	NAD27	13K/11	Canico Anomaly No 7	Core	51543	12.25	12.30	Actlabs	4E-Expl
35	GS-07-050	7741195	2007	21	233121	6047112	NAD27	13K/11	Canico Anomaly No 7	Core	51543	14.40	15.40	Actlabs	1D (Au+34)
36	GS-07-051	7741196	2007	21	233121	6047112	NAD27	13K/11	Canico Anomaly No 7	Core	51543	31.54	32.14	Actlabs	4E-Expl
37	GS-07-052	7740012	2007	21	233121	6047112	NAD27	13K/11	Canico Anomaly No 7	Core	51543	42.20	42.70	GSNL	ICP Majors and Traces
38	GS-07-053	7741197	2007	21	230377	6054491	NAD27	13K/11	Two Time	Core	CMB-06-01	40.54	40.80	Actlabs	1H (Au+48)
39	GS-07-055	7740165	2007	21	230377	6054491	NAD27	13K/11	Two Time	Core	CMB-06-01	61.10	61.40	GSNL; Bec.	ICP Majors and Traces; INAA
40	GS-07-056	7741198	2007	21	230377	6054491	NAD27	13K/11	Two Time	Core	CMB-06-01	73.10	73.50	Actlabs	4E-Expl
41	GS-07-057	7741199	2007	21	230377	6054491	NAD27	13K/11	Two Time	Core	CMB-06-01	44.39	44.71	Actlabs	1H (Au+48)
42	GS-07-061	7740166	2007	21	233069	6047169	NAD27	13K/11	Canico Anomaly No 7	Core	51568	14.54	15.04	GSNL	ICP Majors and Traces
43	GS-07-062	7741201	2007	21	233069	6047169	NAD27	13K/11	Canico Anomaly No 7	Core	51568	37.71	38.11	Actlabs	4E-Expl
44	GS-07-063	7741202	2007	21	233069	6047169	NAD27	13K/11	Canico Anomaly No 7	Core	51568	59.05	59.40	Actlabs	1H (Au+48)
45	GS-07-065	7741203	2007	21	233069	6047169	NAD27	13K/11	Canico Anomaly No 7	Core	51568	61.15	61.45	Actlabs	1H (Au+48)
46	GS-07-066	7741204	2007	21	233069	6047169	NAD27	13K/11	Canico Anomaly No 7	Core	51568	71.25	71.65	Actlabs	1H (Au+48)
47	GS-07-067	7740167	2007	21	233069	6047169	NAD27	13K/11	Canico Anomaly No 7	Core	51568	102.36	102.86	GSNL	ICP Majors and Traces
48	GS-07-070	7741205	2007	21	233148	6047109	NAD27	13K/11	Canico Anomaly No 7	Core	51544	46.80	47.10	Actlabs	1H (Au+48)
49	GS-07-071	7741206	2007	21	361100	6111540	NAD27	13O/03	A-7	Core	A-7-7	102.56	103.06	Actlabs	4E-Expl
50	GS-07-072	7740168	2007	21	361100	6111540	NAD27	13O/03	A-7	Core	A-7-7	107.50	107.90	GSNL; Bec.	ICP Majors and Traces; INAA
51	GS-07-075	7740169	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	82.30	82.80	GSNL	ICP Majors and Traces
52	GS-07-076	7740171	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	97.84	98.25	GSNL; Bec.	ICP Majors and Traces; INAA
53	GS-07-077	7740172	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	105.02	105.61	GSNL	ICP Majors and Traces
54	GS-07-078	7740173	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	105.61	105.95	GSNL	ICP Majors and Traces
55	GS-07-079	7741207	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	136.00	136.50	Actlabs	1H (Au+48)
56	GS-07-080	7741208	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	175.07	175.57	Actlabs	1H (Au+48)
57	GS-07-081	7741209	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	194.08	195.03	Actlabs	1H (Au+48)

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
58	GS-07-087	7741211	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	254.33	254.73	Actlabs	1H (Au+48)
59	GS-07-089	7741212	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	264.00	264.52	Actlabs	4E-Expl
60	GS-07-090	7740013	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	287.00	288.04	GSNL; Bec.	ICP Majors and Traces; INAA
61	GS-07-091	7740014	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	328.64	329.20	GSNL	ICP Majors and Traces
62	GS-07-092	7741213	2007	21	230248	6054163	NAD27	13K/11	Two Time	Core	CMB-07-12	330.29	330.94	Actlabs	4E-Expl
63	GS-07-093	7740174	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	22.41	23.01	GSNL; Bec.	ICP Majors and Traces; INAA
64	GS-07-094	7740015	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	121.82	122.29	GSNL; Bec.	ICP Majors and Traces; INAA
65	GS-07-095	7741214	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	140.87	141.17	Actlabs	1H (Au+48)
66	GS-07-096	7741215	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	172.15	172.55	Actlabs	1H (Au+48)
67	GS-07-098	7740016	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	173.70	174.00	GSNL; Bec.	ICP Majors and Traces; INAA
68	GS-07-100	7741216	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	245.00	245.75	Actlabs	1H (Au+48)
69	GS-07-101	7740017	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	252.30	253.00	GSNL	ICP Majors and Traces
70	GS-07-102	7740175	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	250.60	251.16	GSNL	ICP Majors and Traces
71	GS-07-103	7741217	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	275.00	275.80	Actlabs	4E-Expl
72	GS-07-104	7740018	2007	21	230303	6054178	NAD27	13K/11	Two Time	Core	CMB-07-06	323.78	324.28	GSNL; Bec.	ICP Majors and Traces; INAA
73	GS-07-105	7740019	2007	21	230225	6054267	NAD27	13K/11	Two Time	Core	CMB-07-11	198.95	199.45	GSNL	ICP Majors and Traces
74	GS-07-108	7740176	2007	21	230225	6054267	NAD27	13K/11	Two Time	Core	CMB-07-11	274.55	275.55	GSNL	ICP Majors and Traces
75	GS-07-109	7740021	2007	21	230225	6054267	NAD27	13K/11	Two Time	Core	CMB-07-11	283.50	284.00	GSNL	ICP Majors and Traces
76	GS-07-110	7740177	2007	21	230398	6054095	NAD27	13K/11	Two Time	Core	CMB-07-07	220.59	221.09	GSNL; Bec.	ICP Majors and Traces; INAA
77	GS-07-112	7741218	2007	21	394405	6071317	NAD27	13J/15	Quinlan	Grab	07G.W.S.041			Actlabs	4E-Expl
78	GS-07-113	7740022	2007	21	394405	6071317	NAD27	13J/15	Quinlan	Grab	07G.W.S.041			GSNL	ICP Majors and Traces
79	GS-07-114	7741219	2007	21	264755	6047515	NAD27	13K/10	Ferguson-Brown	Grab	07G.W.S.044			Actlabs	1H (Au+48)
80	GS-07-115	7741221	2007	21	315109	6057206	NAD27	13J/12	Mustang Lake	Grab	07G.W.S.047			Actlabs	1H (Au+48)
81	GS-07-116	7741222	2007	21	314915	6056295	NAD27	13J/12	Mustang Lake	Core	SP-06-04	69.04	69.34	Actlabs	4E-Expl
82	GS-07-117	7741223	2007	21	314915	6056295	NAD27	13J/12	Mustang Lake	Core	SP-06-04	71.79	72.48	Actlabs	4E-Expl
83	GS-07-118	7740023	2007	21	314915	6056295	NAD27	13J/12	Mustang Lake	Core	SP-06-10	185.00	185.30	GSNL	ICP Majors and Traces
84	GS-07-120	7740024	2007	21	314915	6056295	NAD27	13J/12	Mustang Lake	Core	SP-06-10	154.56	155.06	GSNL	ICP Majors and Traces
85	GS-07-121	7741224	2007	21	314915	6056295	NAD27	13J/12	Mustang Lake	Core	SP-06-10	140.14	140.60	Actlabs	4E-Expl
86	GS-07-122	7741225	2007	21	314745	6056010	NAD27	13J/12	Mustang Lake	Grab	07G.W.S.049			Actlabs	1H (Au+48)
87	GS-07-123	7740025	2007	21	314745	6056010	NAD27	13J/12	Mustang Lake	Core	SP-06-10	34.38	35.00	GSNL	ICP Majors and Traces
88	GS-07-124	7741226	2007	21	317647	6058601	NAD27	13J/12	Mustang East	Grab	07G.W.S.050			Actlabs	4E-Expl
89	GS-07-125	7741227	2007	21	317647	6058601	NAD27	13J/12	Mustang East	Grab	07G.W.S.050			Actlabs	4E-Expl
90	GS-07-126	7741228	2007	21	250907	6047565	NAD27	13K/10	Moran Lake A Zone	Grab	07G.W.S.051			Actlabs	4E-Expl
91	GS-07-128	7741229	2007	21	250815	6047466	NAD27	13K/10	Moran Lake A Zone	Grab	07G.W.S.053			Actlabs	1H (Au+48)
92	GS-07-129	7741231	2007	21	252197	6037270	NAD27	13K/07	Sylvia Lake	Grab	07G.W.S.056			Actlabs	4E-Expl
93	GS-07-130	7741232	2007	21	250906	6047564	NAD27	13K/10	Moran Lake A Zone	Core	MOR-65-1S	5.66	6.42	Actlabs	1H (Au+48)
94	GS-07-131	7741233	2007	21	250906	6047564	NAD27	13K/10	Moran Lake A Zone	Core	MOR-65-1S	14.41	14.65	Actlabs	1H (Au+48)
95	GS-07-132	7740026	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-24	18.96	19.46	GSNL; Bec.	ICP Majors and Traces; INAA
96	GS-07-134	7741234	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-24	32.54	32.84	Actlabs	1H (Au+48)
97	GS-07-136	7741235	2007	21	231695	6008519	NAD27	13K/03	Stormy Lake	Grab	07G.W.S.011			Actlabs	1H (Au+48)
98	GS-07-138	7741236	2007	21	231695	6008519	NAD27	13K/03	Stormy Lake	Grab	07G.W.S.011			Actlabs	1H (Au+48)
99	GS-07-139	7741237	2007	21	231695	6008519	NAD27	13K/03	Stormy Lake	Grab	07G.W.S.011			Actlabs	4E-Expl
100	GS-07-140	7741238	2007	21	238081	6014192	NAD27	13K/03	Boundary Lake	Grab	07G.W.S.015			Actlabs	1H (Au+48)
101	GS-07-141	7741239	2007	21	227647	6049621	NAD27	13K/11	Canico Anomaly No 17	Grab	07G.W.S.016			Actlabs	4E-Expl
102	GS-07-142	7741241	2007	21	310857	6122534	NAD27	13O/04	Kanairiktok	Grab	07G.W.S.058			Actlabs	1D (Au+34)
103	GS-07-144	7741242	2007	21	310871	6122627	NAD27	13O/04	Kanairiktok	Grab	07G.W.S.057			Actlabs	1D (Au+34)
104	GS-07-146	7741243	2007	21	310896	6122616	NAD27	13O/04	Kanairiktok	Grab	07G.W.S.059			Actlabs	1H (Au+48)
105	GS-07-147	7740073	2007	21	310199	6125433	NAD27	13O/04	Dandy	Grab	07G.W.S.060			GSNL; Bec.	ICP Majors and Traces; INAA
106	GS-07-148	7740074	2007	21	310174	6125435	NAD27	13O/04	Dandy	Grab	07G.W.S.060			GSNL; Bec.	ICP Majors and Traces; INAA
107	GS-07-149	7741244	2007	21	242784	6098785	NAD27	13K/14	Stomach Lake	Grab	07G.W.S.061			Actlabs	1H (Au+48)
108	GS-07-150	7741245	2007	21	242784	6098785	NAD27	13K/14	Stomach Lake	Grab	07G.W.S.061			Actlabs	1D (Au+34)
109	GS-07-151	7740027	2007	21	307713	6062771	NAD27	13J/12	Melody Hill	Grab	07G.W.S.062			GSNL	ICP Majors and Traces
110	GS-07-152	7741246	2007	21	307705	6062769	NAD27	13J/12	Melody Hill	Grab	07G.W.S.062			Actlabs	1H (Au+48)
111	GS-07-153	7741247	2007	21	307702	6062780	NAD27	13J/12	Melody Hill	Grab	07G.W.S.062			Actlabs	1H (Au+48)
112	GS-07-154	7741248	2007	21	358696	6090856	NAD27	13J/14	Pitch Lake	Grab	07G.W.S.063			Actlabs	4E-Expl
113	GS-07-157	7741249	2007	21	340530	6097405	NAD27	13J/14	Kitts	Grab	07G.W.S.067			Actlabs	4E-Expl
114	GS-07-159	7740028	2007	21	340530	6097405	NAD27	13J/14	Kitts	Grab	07G.W.S.067			GSNL; Bec.	ICP Majors and Traces; INAA

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
115	GS-07-161	7740029	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-16	10.75	11.25	GSNL	ICP Majors and Traces
116	GS-07-162	7740031	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-16	23.53	23.83	GSNL; Bec.	ICP Majors and Traces; INAA
117	GS-07-163	7740032	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-16	42.47	42.87	GSNL; Bec.	ICP Majors and Traces; INAA
118	GS-07-164	7740033	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-16	43.95	46.90	GSNL	ICP Majors and Traces
119	GS-07-167	7740034	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-24	63.14	63.80	GSNL; Bec.	ICP Majors and Traces; INAA
120	GS-07-170	7740067	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-11	25.21	30.48	GSNL	ICP Majors and Traces
121	GS-07-171	7740035	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-11	49.65	49.95	GSNL; Bec.	ICP Majors and Traces; INAA
122	GS-07-172	7740075	2007	21	233095	6047161	NAD27	13K/11	Canico Anomaly No 7	Grab	07G.W.S.017			GSNL; Bec.	ICP Majors and Traces; INAA
123	GS-07-173	7740076	2007	21	233095	6047161	NAD27	13K/11	Canico Anomaly No 7	Grab	07G.W.S.017			GSNL; Bec.	ICP Majors and Traces; INAA
124	GS-07-174A	7740036	2007	21	233095	6047161	NAD27	13K/11	Canico Anomaly No 7	Grab	07G.W.S.017			GSNL	ICP Majors and Traces
125	GS-07-175	7741251	2007	21	233095	6047161	NAD27	13K/11	Canico Anomaly No 7	Grab	07G.W.S.017			Actlabs	1H (Au+48)
126	GS-07-176	7740077	2007	21	233095	6047161	NAD27	13K/11	Canico Anomaly No 7	Grab	07G.W.S.017			GSNL; Bec.	ICP Majors and Traces; INAA
127	GS-07-177	7740178	2007	21	233022	6047084	NAD27	13K/11	Canico Anomaly No 7	Grab	07G.W.S.018			GSNL; Bec.	ICP Majors and Traces; INAA
128	GS-07-178	7741252	2007	21	234497	6049153	NAD27	13K/11	Fish Hawk Lake South	Grab	07G.W.S.020			Actlabs	1H (Au+48)
129	GS-07-179	7740037	2007	21	234497	6049153	NAD27	13K/11	Fish Hawk Lake South	Grab	07G.W.S.020			GSNL	ICP Majors and Traces
130	GS-07-180	7741253	2007	21	234497	6049153	NAD27	13K/11	Fish Hawk Lake South	Grab	07G.W.S.020			Actlabs	1H (Au+48)
131	GS-07-181	7740179	2007	21	234437	6049133	NAD27	13K/11	Fish Hawk Lake South	Grab	07G.W.S.021			GSNL	ICP Majors and Traces
132	GS-07-182	7740038	2007	21	234501	6049144	NAD27	13K/11	Fish Hawk Lake South	Core	FHLS-07-04	48.20	48.70	GSNL; Bec.	ICP Majors and Traces; INAA
133	GS-07-183	7741254	2007	21	234501	6049144	NAD27	13K/11	Fish Hawk Lake South	Core	FHLS-07-06	71.26	71.86	Actlabs	1H (Au+48)
134	GS-07-186	7740039	2007	21	234501	6049144	NAD27	13K/11	Fish Hawk Lake South	Core	FHLS-07-06	118.50	118.93	GSNL; Bec.	ICP Majors and Traces; INAA
135	GS-07-187	7740041	2007	21	234501	6049144	NAD27	13K/11	Fish Hawk Lake South	Core	FHLS-07-06	127.64	128.02	GSNL	ICP Majors and Traces
136	GS-07-188	7740042	2007	21	234501	6049144	NAD27	13K/11	Fish Hawk Lake South	Core	FHLS-07-09	16.53	17.05	GSNL	ICP Majors and Traces
137	GS-07-190	7741255	2007	21	230974	6049359	NAD27	13K/11	Fish Hawk Lake Region	Grab	07G.W.S.025			Actlabs	1D (Au+34)
138	GS-07-193	7740078	2007	21	231160	6049347	NAD27	13K/11	Fish Hawk Lake Region	Grab	07G.W.S.027			GSNL; Bec.	ICP Majors and Traces; INAA
139	GS-07-194	7741256	2007	21	231450	6049565	NAD27	13K/11	Fish Hawk Lake Region	Grab	07G.W.S.028			Actlabs	1H (Au+48)
140	GS-07-195	7740079	2007	21	230351	6048343	NAD27	13K/11	Fish Hawk Lake Region	Grab	07G.W.S.024			GSNL; Bec.	ICP Majors and Traces; INAA
141	GS-07-196	7741257	2007	21	234501	6049144	NAD27	13K/11	Fish Hawk Lake South	Core	FHLS-07-03	37.75	38.28	Actlabs	1H (Au+48)
142	GS-07-197	7740043	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-18	1.80	2.30	GSNL	ICP Majors and Traces
143	GS-07-198	7740044	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-18	83.00	83.50	GSNL; Bec.	ICP Majors and Traces; INAA
144	GS-07-199	7740045	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-18	113.00	113.50	GSNL	ICP Majors and Traces
145	GS-07-204	7740046	2007	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-18	121.23	121.65	GSNL; Bec.	ICP Majors and Traces; INAA
146	GS-07-206	7741258	2007	21	243591	6043824	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-55	4.27	4.47	Actlabs	4E-Expl
147	GS-07-212	7741259	2007	21	243591	6043824	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-55	44.86	45.26	Actlabs	4E-Expl
148	GS-07-213	7740047	2007	21	333233	6066065	NAD27	13J/12	Jacques Lake	Core	JL-06-10	48.78	49.18	GSNL	ICP Majors and Traces
149	GS-07-214	7740048	2007	21	333233	6066065	NAD27	13J/12	Jacques Lake	Core	JL-06-10	84.30	84.47	GSNL; Bec.	ICP Majors and Traces; INAA
150	GS-07-215	7740049	2007	21	333233	6066065	NAD27	13J/12	Jacques Lake	Core	JL-06-10	100.04	100.54	GSNL; Bec.	ICP Majors and Traces; INAA
151	GS-07-216	7740051	2007	21	333233	6066065	NAD27	13J/12	Jacques Lake	Core	JL-06-10	119.75	120.56	GSNL; Bec.	ICP Majors and Traces; INAA
152	GS-07-218	7740182	2007	21	333233	6066065	NAD27	13J/12	Jacques Lake	Core	JL-06-10	261.00	261.50	GSNL	ICP Majors and Traces
153	GS-07-220	7740052	2007	21	333233	6066065	NAD27	13J/12	Jacques Lake	Core	JL-06-10	289.00	289.50	GSNL; Bec.	ICP Majors and Traces; INAA
154	GS-07-221	7741261	2007	21	333233	6066065	NAD27	13J/12	Jacques Lake	Core	JL-06-10	303.08	303.58	Actlabs	4E-Expl
155	GS-07-222	7740183	2007	21	333233	6066065	NAD27	13J/12	Jacques Lake	Core	JL-06-10	307.40	307.90	GSNL	ICP Majors and Traces
156	GS-07-225	7740068	2007	21	333233	6066065	NAD27	13J/12	Jacques Lake	Core	JL-06-10	360.00	372.00	GSNL; Bec.	ICP Majors and Traces; INAA
157	GS-07-226	7740184	2007	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-13	83.80	84.12	GSNL	ICP Majors and Traces
158	GS-07-227	7741262	2007	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-13	88.05	88.40	Actlabs	4E-Expl
159	GS-07-229	7741263	2007	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-13	123.30	123.66	Actlabs	1H (Au+48)
160	GS-07-230	7740053	2007	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-13	134.25	134.75	GSNL; Bec.	ICP Majors and Traces; INAA
161	GS-07-231	7740054	2007	21	334457	6068107	NAD27	13J/12	Jacques Lake	Core	JL-06-40	178.20	178.90	GSNL	ICP Majors and Traces
162	GS-07-232	7740055	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	18.90	19.40	GSNL	ICP Majors and Traces
163	GS-07-233	7740185	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	50.26	50.66	GSNL	ICP Majors and Traces
164	GS-07-234	7740056	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	64.00	64.40	GSNL; Bec.	ICP Majors and Traces; INAA
165	GS-07-235	7740057	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	96.12	96.52	GSNL	ICP Majors and Traces
166	GS-07-238	7740058	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	229.70	230.20	GSNL; Bec.	ICP Majors and Traces; INAA
167	GS-07-239	7740186	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	271.11	271.29	GSNL	ICP Majors and Traces
168	GS-07-240	7740059	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	281.34	281.79	GSNL; Bec.	ICP Majors and Traces; INAA
169	GS-07-241	7740061	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	296.17	296.69	GSNL; Bec.	ICP Majors and Traces; INAA
170	GS-07-242	7741264	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	310.95	311.46	Actlabs	1H (Au+48)
171	GS-07-244	7740187	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	336.24	336.71	GSNL; Bec.	ICP Majors and Traces; INAA

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
172	GS-07-245	7740188	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-11	363.45	363.96	GSNL	ICP Majors and Traces
173	GS-07-247	7740189	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-13	243.44	243.85	GSNL	ICP Majors and Traces
174	GS-07-248	7740062	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-13	244.23	244.63	GSNL	ICP Majors and Traces
175	GS-07-249	7740063	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-13	275.02	275.62	GSNL; Bec.	ICP Majors and Traces; INAA
176	GS-07-251	7740064	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-13	325.13	325.53	GSNL; Bec.	ICP Majors and Traces; INAA
177	GS-07-252	7740065	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-13	356.00	356.48	GSNL	ICP Majors and Traces
178	GS-07-254	7740066	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-13	422.60	423.06	GSNL; Bec.	ICP Majors and Traces; INAA
179	GS-07-255	7741265	2007	21	307400	6052550	NAD27	13J/12	Michelin	Core	M-06-13	434.82	435.28	Actlabs	4E-Expl
180	GS-07-256	7741266	2007	21	331802	6087492	NAD27	13J/13	Nash	Grab	07G.W.S.077			Actlabs	4E-Expl
181	GS-07-257	7741267	2007	21	310247	6125426	NAD27	13O/04	Dandy	Core	DS-07-04	170.04	170.32	Actlabs	1H (Au+48)
182	GS-07-259	7741268	2007	21	310247	6125426	NAD27	13O/04	Dandy	Core	DS-07-04	101.80	102.30	Actlabs	1H (Au+48)
183	GS-07-260	7741269	2007	21	310247	6125426	NAD27	13O/04	Dandy	Core	DS-07-04	109.20	109.57	Actlabs	1H (Au+48)
184	GS-07-261	7740081	2007	21	310247	6125426	NAD27	13O/04	Dandy	Core	DS-07-04	125.12	125.52	GSNL; Bec.	ICP Majors and Traces; INAA
185	GS-07-262	7741271	2007	21	382610	6072221	NAD27	13J/15	AT 649	Grab	07G.W.S.087			Actlabs	4E-Expl
186	GS-07-263	7741272	2007	21	382610	6072221	NAD27	13J/15	AT 649	Grab	07G.W.S.087			Actlabs	4E-Expl
187	GS-07-263B	7741629	2007	21	382610	6072221	NAD27	13J/15	AT 649	Grab	07G.W.S.087			Actlabs	4Litho; 5D-U-DNC
188	GS-07-268	7741273	2007	21	231788	6008220	NAD27	13K/03	Stormy Lake	Grab	07G.W.S.031			Actlabs	1H (Au+48)
189	GS-07-269	7741274	2007	21	231359	6008329	NAD27	13K/03	Stormy Lake	Grab	07G.W.S.033			Actlabs	1H (Au+48)
190	GS-07-270	7741275	2007	21	231359	6008329	NAD27	13K/03	Stormy Lake	Grab	07G.W.S.033			Actlabs	1H (Au+48)
191	GS-07-271	7741276	2007	21	240134	6014636	NAD27	13K/02	East Otter Lake	Grab	07G.W.S.038			Actlabs	1H (Au+48)
192	GS-07-272	7741277	2007	21	238940	6039273	NAD27	13K/06	Canico Anomaly No 15	Grab	07G.W.S.039			Actlabs	4E-Expl
193	GS-07-273	7741278	2007	21	238986	6039226	NAD27	13K/06	Canico Anomaly No 15	Grab	07G.W.S.040			Actlabs	1H (Au+48)
194	GS-08-003	7741293	2008	21	239078	6038995	NAD27	13K/06	Canico Anomaly No 15	Core	51549	1.15	1.65	Actlabs	4E-Expl
195	GS-08-005	7741294	2008	21	239078	6038995	NAD27	13K/06	Canico Anomaly No 15	Core	51549	13.70	14.20	Actlabs	1H (Au+48)
196	GS-08-007	7740082	2008	21	239122	6038989	NAD27	13K/06	Canico Anomaly No 15	Core	51562	13.52	14.02	GSNL; Bec.	ICP Majors and Traces; INAA
197	GS-08-008	7740083	2008	21	239122	6038989	NAD27	13K/06	Canico Anomaly No 15	Core	51562	17.02	17.52	GSNL	ICP Majors and Traces
198	GS-08-011	7741295	2008	21	239122	6038989	NAD27	13K/06	Canico Anomaly No 15	Core	51562	36.64	37.12	Actlabs	1D (Au+34)
199	GS-08-016	7740084	2008	21	239871	6039595	NAD27	13K/06	Canico Anomaly No 15	Core	51565	50.73	51.23	GSNL	ICP Majors and Traces
200	GS-08-017	7740085	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-42	13.50	14.00	GSNL	ICP Majors and Traces
201	GS-08-019	7741296	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-42	18.62	19.02	Actlabs	4E-Expl
202	GS-08-021	7741297	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-42	24.89	25.13	Actlabs	4E-Expl
203	GS-08-022	7741298	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-42	25.52	25.74	Actlabs	4E-Expl
204	GS-08-023	7741299	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-42	27.53	28.03	Actlabs	4E-Expl
205	GS-08-025	7740086	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-21	10.08	10.48	GSNL; Bec.	ICP Majors and Traces; INAA
206	GS-08-026	7741301	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-21	14.08	14.58	Actlabs	4E-Expl
207	GS-08-027	7740087	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-21	41.90	42.40	GSNL	ICP Majors and Traces
208	GS-08-028	7741302	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-21	67.06	68.06	Actlabs	1H (Au+48)
209	GS-08-031	7741303	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-21	86.40	86.80	Actlabs	4E-Expl
210	GS-08-033	7741304	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-21	110.08	110.58	Actlabs	4E-Expl
211	GS-08-034	7741305	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-21	110.58	110.80	Actlabs	4E-Expl
212	GS-08-035	7740088	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-21	132.98	133.50	GSNL; Bec.	ICP Majors and Traces; INAA
213	GS-08-036	7740089	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-08	17.70	18.20	GSNL	ICP Majors and Traces
214	GS-08-037	7740091	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-08	65.40	65.90	GSNL	ICP Majors and Traces
215	GS-08-038	7741306	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-08	74.29	74.79	Actlabs	1H (Au+48)
216	GS-08-039	7741307	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-08	91.03	91.53	Actlabs	1H (Au+48)
217	GS-08-040	7741308	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-08	106.45	106.95	Actlabs	1H (Au+48)
218	GS-08-042	7741309	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	K-74-08	116.50	117.00	Actlabs	1H (Au+48)
219	GS-08-043	7740092	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-47	16.63	17.13	GSNL; Bec.	ICP Majors and Traces; INAA
220	GS-08-044	7740093	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-47	60.50	60.90	GSNL	ICP Majors and Traces
221	GS-08-045	7740094	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-47	91.44	91.84	GSNL	ICP Majors and Traces
222	GS-08-047	7741311	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-47	111.66	112.16	Actlabs	1H (Au+48)
223	GS-08-048	7741312	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-47	119.74	120.24	Actlabs	1H (Au+48)
224	GS-08-049	7741313	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-47	131.40	131.90	Actlabs	1H (Au+48)
225	GS-08-050	7740095	2008	21	340900	6097160	NAD27	13J/14	Kitts	Core	B-47	142.30	143.30	GSNL	ICP Majors and Traces
226	GS-08-053	7740096	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	41.50	42.30	GSNL; Bec.	ICP Majors and Traces; INAA
227	GS-08-054	7741314	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	55.80	56.12	Actlabs	1H (Au+48)
228	GS-08-055	7741315	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	56.75	57.13	Actlabs	1H (Au+48)

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
229	GS-08-057	7741316	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	71.43	71.73	Actlabs	1H (Au+48)
230	GS-08-058	7741317	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	87.47	87.87	Actlabs	4E-Expl
231	GS-08-059	7741318	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	88.70	89.13	Actlabs	4E-Expl
232	GS-08-060	7741319	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	90.98	91.25	Actlabs	4E-Expl
233	GS-08-061	7741321	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	92.98	93.29	Actlabs	4E-Expl
234	GS-08-062	7741322	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	94.49	94.98	Actlabs	4E-Expl
235	GS-08-063	7740097	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	107.35	107.66	GSNL; Bec.	ICP Majors and Traces; INAA
236	GS-08-064	7741323	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	117.60	118.10	Actlabs	4E-Expl
237	GS-08-065	7741324	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	118.93	119.40	Actlabs	4E-Expl
238	GS-08-066	7741325	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	120.67	121.12	Actlabs	4E-Expl
239	GS-08-068	7740098	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-03	149.35	149.75	GSNL; Bec.	ICP Majors and Traces; INAA
240	GS-08-073	7741326	2008	21	243878	6043687	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-04	96.60	97.24	Actlabs	1H (Au+48)
241	GS-08-074	7740099	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-04	17.20	17.70	GSNL; Bec.	ICP Majors and Traces; INAA
242	GS-08-075	7740101	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-04	45.75	46.25	GSNL	ICP Majors and Traces
243	GS-08-076	7740102	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-04	49.80	50.20	GSNL; Bec.	ICP Majors and Traces; INAA
244	GS-08-078	7740103	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-04	66.05	66.60	GSNL; Bec.	ICP Majors and Traces; INAA
245	GS-08-079	7740104	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-02	101.00	101.50	GSNL	ICP Majors and Traces
246	GS-08-080	7740105	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-02	72.20	72.50	GSNL	ICP Majors and Traces
247	GS-08-081	7740106	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-02	62.27	62.77	GSNL; Bec.	ICP Majors and Traces; INAA
248	GS-08-082	7740107	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-02	9.00	9.50	GSNL	ICP Majors and Traces
249	GS-08-083	7740108	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-02	33.87	34.37	GSNL	ICP Majors and Traces
250	GS-08-084	7740109	2008	21	382551	6072100	NAD27	13J/15	AT 649	Core	MBAT-08-02	46.43	47.00	GSNL	ICP Majors and Traces
251	GS-08-088	7740111	2008	21	382570	6072136	NAD27	13J/15	AT 649	Core	MBAT-08-06	83.00	83.10	GSNL	ICP Majors and Traces
252	GS-08-089	7740112	2008	21	382570	6072136	NAD27	13J/15	AT 649	Core	MBAT-08-06	89.18	89.68	GSNL	ICP Majors and Traces
253	GS-08-090	7740113	2008	21	378697	6069937	NAD27	13J/15	Super 7	Core	MBAT-08-05	4.45	4.90	GSNL; Bec.	ICP Majors and Traces; INAA
254	GS-08-092	7740114	2008	21	378697	6069937	NAD27	13J/15	Super 7	Core	MBS7-08-05	41.23	41.73	GSNL	ICP Majors and Traces
255	GS-08-095	7740115	2008	21	378697	6069937	NAD27	13J/15	Super 7	Core	MBS7-08-05	96.57	97.17	GSNL	ICP Majors and Traces
256	GS-08-103	7741327	2008	21	243937	6043516	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-82	267.50	268.00	Actlabs	1H (Au+48)
257	GS-08-104	7740116	2008	21	243937	6043516	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-82	114.40	114.80	GSNL	ICP Majors and Traces
258	GS-08-107	7741328	2008	21	243669	6043395	NAD27	13K/07	Moran Lake Lower C Zone	Core	ML-63	377.15	377.65	Actlabs	1H (Au+48)
259	GS-08-128	7741329	2008	21	226971	6037932	NAD27	13K/06	Croteau Lake	Grab	08G.W.S.085			Actlabs	1D (Au+34)
260	GS-08-129	7741331	2008	21	227142	6038391	NAD27	13K/06	Croteau Lake	Grab	08G.W.S.089			Actlabs	1D (Au+34)
261	GS-08-131	7741332	2008	21	227208	6038302	NAD27	13K/06	Croteau Lake	Grab	08G.W.S.092			Actlabs	1H (Au+48)
262	GS-08-132	7741333	2008	21	227088	6037879	NAD27	13K/06	Croteau Lake	Grab	08G.W.S.093			Actlabs	1H (Au+48)
263	GS-08-133	7741334	2008	21	226943	6037874	NAD27	13K/06	Croteau Lake	Grab	08G.W.S.094			Actlabs	1H (Au+48)
264	GS-08-134	7741335	2008	21	226781	6037781	NAD27	13K/06	Croteau Lake	Grab	08G.W.S.097			Actlabs	1D (Au+34)
265	GS-08-135	7741336	2008	21	226732	6037793	NAD27	13K/06	Croteau Lake	Grab	08G.W.S.098			Actlabs	4E-Expl
266	GS-08-136	7740117	2008	21	226672	6037745	NAD27	13K/06	Croteau Lake	Grab	08G.W.S.099			GSNL	ICP Majors and Traces
267	GS-08-137	7740118	2008	21	226840	6037730	NAD27	13K/06	Croteau Lake	Core	CL-06	15.05	23.00	GSNL	ICP Majors and Traces
268	GS-08-142	7741337	2008	21	226840	6037730	NAD27	13K/06	Croteau Lake	Core	CL-06	68.10	68.37	Actlabs	1D (Au+34)
269	GS-08-143	7741338	2008	21	226840	6037730	NAD27	13K/06	Croteau Lake	Core	CL-06	72.77	73.20	Actlabs	1D (Au+34)
270	GS-08-144	7741339	2008	21	226840	6037730	NAD27	13K/06	Croteau Lake	Core	CL-06	82.03	82.63	Actlabs	1H (Au+48)
271	GS-08-145	7741341	2008	21	248461	6049458	NAD27	13K/10	Moran Heights	Core	ML-MH-13	7.75	8.35	Actlabs	1H (Au+48)
272	GS-08-146	7741342	2008	21	248461	6049458	NAD27	13K/10	Moran Heights	Core	ML-MH-13	29.83	30.48	Actlabs	1H (Au+48)
273	GS-08-150	7741343	2008	21	241421	6042575	NAD27	13K/07	Moran Lake Upper C Zone	Grab	08G.W.S.061			Actlabs	1D (Au+34)
274	GS-08-151	7741344	2008	21	241961	6042717	NAD27	13K/07	Moran Lake Upper C Zone	Grab	08G.W.S.063			Actlabs	1H (Au+48)
275	GS-08-152	7740119	2008	21	243631	6043933	NAD27	13K/07	Moran Lake Upper C Zone	Grab	08G.W.S.069			GSNL	ICP Majors and Traces
276	GS-08-153	7741345	2008	21	243647	6044137	NAD27	13K/07	Moran Lake Lower C Zone	Grab	08G.W.S.073			Actlabs	1D (Au+34)
277	GS-08-154	7741346	2008	21	243647	6044137	NAD27	13K/07	Moran Lake Lower C Zone	Grab	08G.W.S.073			Actlabs	1D (Au+34)
278	GS-08-156	7741347	2008	21	243892	6044140	NAD27	13K/07	Moran Lake Lower C Zone	Grab	08G.W.S.075			Actlabs	1D (Au+34)
279	GS-08-158	7741348	2008	21	240801	6041553	NAD27	13K/07	Armstrong	Core	ML-AR-04	201.40	201.90	Actlabs	1H (Au+48)
280	GS-08-161	7741349	2008	21	240801	6041553	NAD27	13K/07	Armstrong	Core	ML-AR-04	234.00	234.55	Actlabs	1H (Au+48)
281	GS-08-175	7740121	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	75.49	75.99	GSNL	ICP Majors and Traces
282	GS-08-176	7740122	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	83.62	84.24	GSNL; Bec.	ICP Majors and Traces; INAA
283	GS-08-177	7740123	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	99.15	99.75	GSNL	ICP Majors and Traces
284	GS-08-179	7740124	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	162.75	163.25	GSNL	ICP Majors and Traces
285	GS-08-180	7740125	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	173.40	174.00	GSNL	ICP Majors and Traces

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
286	GS-08-181	7740126	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	201.00	201.54	GSNL	ICP Majors and Traces
287	GS-08-182	7740127	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	67.42	68.02	GSNL	ICP Majors and Traces
288	GS-08-183	7740128	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	296.31	296.82	GSNL	ICP Majors and Traces
289	GS-08-184	7740129	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	318.16	318.76	GSNL; Bec.	ICP Majors and Traces; INAA
290	GS-08-185	7740131	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	327.35	327.81	GSNL	ICP Majors and Traces
291	GS-08-187	7740132	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	395.27	396.00	GSNL	ICP Majors and Traces
292	GS-08-188	7740133	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	459.24	460.00	GSNL	ICP Majors and Traces
293	GS-08-189	7740134	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	472.18	472.68	GSNL	ICP Majors and Traces
294	GS-08-190	7740135	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	543.61	544.11	GSNL	ICP Majors and Traces
295	GS-08-191	7740136	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	579.26	579.96	GSNL	ICP Majors and Traces
296	GS-08-192	7741351	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	660.87	661.35	Actlabs	4E-Expl
297	GS-08-193	7740137	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-75	763.45	763.95	GSNL; Bec.	ICP Majors and Traces; INAA
298	GS-08-195	7740211	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	729.60	730.30	GSNL	ICP Majors and Traces
299	GS-08-196	7740138	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	799.70	800.30	GSNL; Bec.	ICP Majors and Traces; INAA
300	GS-08-198	7740139	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	878.00	878.54	GSNL; Bec.	ICP Majors and Traces; INAA
301	GS-08-199	7740141	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	911.71	912.20	GSNL	ICP Majors and Traces
302	GS-08-200	7741352	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	971.00	971.37	Actlabs	1D (Au+34)
303	GS-08-201	7740142	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	1003.24	1003.64	GSNL	ICP Majors and Traces
304	GS-08-202	7741353	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	1093.44	1093.83	Actlabs	4E-Expl
305	GS-08-203	7741354	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	1119.14	1119.48	Actlabs	4E-Expl
306	GS-08-204	7740143	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	1127.74	1137.14	GSNL; Bec.	ICP Majors and Traces; INAA
307	GS-08-205	7740144	2008	21	306492	6051177	NAD27	13J/12	Michelin	Core	M-07-075A	1149.20	1149.70	GSNL; Bec.	ICP Majors and Traces; INAA
308	GS-08-206	7740145	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	114.36	116.78	GSNL; Bec.	ICP Majors and Traces; INAA
309	GS-08-207	7740146	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	285.25	285.62	GSNL	ICP Majors and Traces
310	GS-08-208	7740147	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	303.19	303.59	GSNL	ICP Majors and Traces
311	GS-08-209	7740212	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	354.94	355.44	GSNL	ICP Majors and Traces
312	GS-08-210	7740213	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	358.25	358.75	GSNL	ICP Majors and Traces
313	GS-08-211	7741355	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	358.98	359.40	Actlabs	4E-Expl
314	GS-08-212	7741356	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	423.36	428.80	Actlabs	4E-Expl
315	GS-08-213	7741357	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	424.70	425.10	Actlabs	4E-Expl
316	GS-08-214	7741358	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	428.15	428.44	Actlabs	4E-Expl
317	GS-08-215	7740148	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	438.95	447.45	GSNL; Bec.	ICP Majors and Traces; INAA
318	GS-08-216	7741359	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	540.42	540.63	Actlabs	Ultratrace 4; 1D (Au+34)
319	GS-08-217	7740149	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	542.20	543.74	GSNL; Bec.	ICP Majors and Traces; INAA
320	GS-08-218	7741361	2008	21	307146	6051898	NAD27	13J/12	Michelin	Core	M-07-072	554.13	554.61	Actlabs	4E-Expl
321	GS-08-219	7741362	2008	21	306546	6061654	NAD27	13J/12	Melody Hill	Core	M-07-11	57.00	57.30	Actlabs	4E-Expl
322	GS-08-220	7741363	2008	21	306546	6061654	NAD27	13J/12	Melody Hill	Core	M-07-11	65.46	65.91	Actlabs	4E-Expl
323	GS-08-221	7741364	2008	21	332769	6065965	NAD27	13J/12	Jacques Lake	Core	JL-07-058	18.06	18.40	Actlabs	1H (Au+48)
324	GS-08-222	7741365	2008	21	332769	6065965	NAD27	13J/12	Jacques Lake	Core	JL-07-058	22.50	22.91	Actlabs	1H (Au+48)
325	GS-08-224	7740151	2008	21	332769	6065965	NAD27	13J/12	Jacques Lake	Core	JL-07-058	46.40	46.75	GSNL	ICP Majors and Traces
326	GS-08-225	7740152	2008	21	332769	6065965	NAD27	13J/12	Jacques Lake	Core	JL-07-058	72.85	73.35	GSNL; Bec.	ICP Majors and Traces; INAA
327	GS-08-226	7740153	2008	21	332769	6065965	NAD27	13J/12	Jacques Lake	Core	JL-07-058	90.54	91.14	GSNL	ICP Majors and Traces
328	GS-08-228	7741366	2008	21	332769	6065965	NAD27	13J/12	Jacques Lake	Core	JL-07-058A	190.97	191.51	Actlabs	4E-Expl
329	GS-08-229	7740154	2008	21	332769	6065965	NAD27	13J/12	Jacques Lake	Core	JL-07-058A	235.65	240.49	GSNL	ICP Majors and Traces
330	GS-08-231	7741367	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	131.21	131.58	Actlabs	1D (Au+34)
331	GS-08-233	7740155	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	141.23	141.73	GSNL; Bec.	ICP Majors and Traces; INAA
332	GS-08-234	7740156	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	167.80	168.30	GSNL	ICP Majors and Traces
333	GS-08-235	7740157	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	168.85	171.27	GSNL; Bec.	ICP Majors and Traces; INAA
334	GS-08-237	7741368	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	202.69	203.29	Actlabs	4E-Expl
335	GS-08-238	7741369	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	214.60	214.79	Actlabs	1D (Au+34)
336	GS-08-239	7741371	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	215.35	215.65	Actlabs	4E-Expl
337	GS-08-240	7741372	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	216.15	216.40	Actlabs	4E-Expl
338	GS-08-241	7741373	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	216.40	216.65	Actlabs	4E-Expl
339	GS-08-242	7741374	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	234.50	235.00	Actlabs	1D (Au+34)
340	GS-08-244	7741375	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	239.98	240.17	Actlabs	1D (Au+34)
341	GS-08-245	7741376	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	244.60	244.72	Actlabs	1D (Au+34)
342	GS-08-246	7741377	2008	21	332815	6065831	NAD27	13J/12	Jacques Lake	Core	JL-07-60	246.78	247.11	Actlabs	1D (Au+34)

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
343	GS-08-247	7740198	2008	21	393594	6069783	NAD27	13J/15	Harbinger	Grab	08G.W.S.107			GSNL; Bec.	ICP Majors and Traces; INAA
344	GS-08-249	7741378	2008	21	356755	6105461	NAD27	13O/03	Grassey Point	Grab	08G.W.S.112			Actlabs	1H (Au+48)
345	GS-08-250	7741379	2008	21	362387	6093367	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.001			Actlabs	1D (Au+34)
346	GS-08-251	7741381	2008	21	362387	6093367	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.001			Actlabs	1D (Au+34)
347	GS-08-252A	7741382	2008	21	362485	6093306	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.002			Actlabs	4E-Expl
348	GS-08-252B	7740259	2008	21	362485	6093306	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.002			GSNL; Bec.	ICP Majors and Traces; INAA
349	GS-08-253	7740199	2008	21	362514	6093414	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.003			GSNL; Bec.	ICP Majors and Traces; INAA
350	GS-08-254	7741383	2008	21	362623	6093633	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.004			Actlabs	Ultratrace 4; 1D (Au+34)
351	GS-08-255	7741384	2008	21	362610	6093727	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.005			Actlabs	4E-Expl
352	GS-08-256	7740201	2008	21	362623	6093983	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.006			GSNL	ICP Majors and Traces
353	GS-08-257	7741385	2008	21	362623	6093983	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.006			Actlabs	1D (Au+34)
354	GS-08-259	7741386	2008	21	362938	6095563	NAD27	13J/14	East of Falls lake	Grab	08G.W.S.008			Actlabs	1D (Au+34)
355	GS-08-260	7741387	2008	21	340571	6097332	NAD27	13J/14	Kitts	Grab	08G.W.S.010			Actlabs	Ultratrace 4
356	GS-08-262	7741388	2008	21	340546	6097380	NAD27	13J/14	Kitts	Grab	08G.W.S.013			Actlabs	Ultratrace 4
357	GS-08-263	7740202	2008	21	340381	6097499	NAD27	13O/03	Kitts	Grab	08G.W.S.015			GSNL	ICP Majors and Traces
358	GS-08-264	7741389	2008	21	340325	6097816	NAD27	13O/03	Kitts	Grab	08G.W.S.020			Actlabs	1H (Au+48)
359	GS-08-265	7741391	2008	21	340335	6097873	NAD27	13O/03	Kitts	Grab	08G.W.S.021			Actlabs	1D (Au+34)
360	GS-08-266	7741392	2008	21	340488	6097935	NAD27	13O/03	Kitts	Grab	08G.W.S.022			Actlabs	1H (Au+48)
361	GS-08-267	7741393	2008	21	340761	6097176	NAD27	13J/14	Kitts	Grab	08G.W.S.023			Actlabs	1H (Au+48)
362	GS-08-268	7741394	2008	21	340763	6097165	NAD27	13J/14	Kitts	Grab	08G.W.S.025			Actlabs	Ultratrace 4; 1H (Au+48)
363	GS-08-269	7741395	2008	21	340763	6097165	NAD27	13J/14	Kitts	Grab	08G.W.S.025			Actlabs	4E-Expl
364	GS-08-270	7741396	2008	21	340763	6097165	NAD27	13J/14	Kitts	Grab	08G.W.S.025			Actlabs	4E-Expl
365	GS-08-271	7741397	2008	21	340740	6097583	NAD27	13O/03	Kitts	Grab	08G.W.S.032			Actlabs	Ultratrace 4
366	GS-08-272	7741398	2008	21	340740	6097583	NAD27	13O/03	Kitts	Grab	08G.W.S.032			Actlabs	1D (Au+34)
367	GS-08-273	7741399	2008	21	340743	6097582	NAD27	13O/03	Kitts	Grab	08G.W.S.033			Actlabs	Ultratrace 4
368	GS-08-274	7741401	2008	21	361278	6113904	NAD27	13O/03	Sunil	Grab	08G.W.S.038			Actlabs	Ultratrace 4; 1D (Au+34)
369	GS-08-275	7741402	2008	21	361278	6113904	NAD27	13O/03	Sunil	Grab	08G.W.S.038			Actlabs	1H (Au+48)
370	GS-08-276	7741403	2008	21	361278	6113904	NAD27	13O/03	Sunil	Grab	08G.W.S.038			Actlabs	Ultratrace 4; 1H (Au+48)
371	GS-08-277	7741404	2008	21	361317	6113811	NAD27	13O/03	Sunil	Grab	08G.W.S.039			Actlabs	1H (Au+48)
372	GS-08-278	7741405	2008	21	361317	6113811	NAD27	13O/03	Sunil	Grab	08G.W.S.039			Actlabs	1H (Au+48)
373	GS-08-281	7741406	2008	21	362156	6120344	NAD27	13O/03	Aillik	Grab	08G.W.S.040			Actlabs	1D (Au+34)
374	GS-08-282	7740203	2008	21	362229	6120342	NAD27	13O/03	Aillik	Grab	08G.W.S.041			GSNL; Bec.	ICP Majors and Traces; INAA
375	GS-08-283	7741407	2008	21	362156	6120344	NAD27	13O/03	Aillik	Grab	08G.W.S.040			Actlabs	1D (Au+34)
376	GS-08-284	7741408	2008	21	362092	6120196	NAD27	13O/03	Aillik	Grab	08G.W.S.042			Actlabs	Ultratrace 4; 1D (Au+34)
377	GS-08-285	7741409	2008	21	362092	6120196	NAD27	13O/03	Aillik	Grab	08G.W.S.042			Actlabs	1D (Au+34)
378	GS-08-286	7741411	2008	21	340494	6097380	NAD27	13J/14	Kitts	Grab	08G.W.S.043			Actlabs	1D (Au+34)
379	GS-08-288	7740204	2008	21	393594	6069783	NAD27	13J/15	Powe	Grab	08G.W.S.106			GSNL; Bec.	ICP Majors and Traces; INAA
380	GS-08-289	7741412	2008	21	349570	6091870	NAD27	13J/14	Present Lake	Grab	08G.W.S.048			Actlabs	1D (Au+34)
381	GS-08-290	7741413	2008	21	349435	6091760	NAD27	13J/14	Present Lake	Grab	08G.W.S.049			Actlabs	1H (Au+48)
382	GS-08-291	7741414	2008	21	349430	6091737	NAD27	13J/14	Present Lake	Grab	08G.W.S.050			Actlabs	1H (Au+48)
383	GS-08-292	7741415	2008	21	359019	6105008	NAD27	13O/03	Retreat Lake No 1	Grab	08G.W.S.053			Actlabs	Ultratrace 4; 1H (Au+48)
384	GS-08-293	7741416	2008	21	359019	6105008	NAD27	13O/03	Retreat Lake No 1	Grab	08G.W.S.053			Actlabs	Ultratrace 4
385	GS-08-294	7741417	2008	21	246870	6044969	NAD27	13K/07	Moran Lake B Zone	Core	ML-BZ-04	30.48	31.11	Actlabs	4E-Expl
386	GS-08-296	7741418	2008	21	246870	6044969	NAD27	13K/07	Moran Lake B Zone	Core	ML-BZ-04	75.28	75.82	Actlabs	4E-Expl
387	GS-08-297	7741419	2008	21	246870	6044969	NAD27	13K/07	Moran Lake B Zone	Core	ML-BZ-04	76.83	77.23	Actlabs	1D (Au+34)
388	GS-08-301	7741421	2008	21	242623	6042905	NAD27	13K/07	Moran Lake Upper C Zone	Grab	08G.W.S.078			Actlabs	1H (Au+48)
389	GS-08-302	7740205	2008	21	243178	6043052	NAD27	13K/07	Moran Lake Upper C Zone	Grab	08G.W.S.079			GSNL; Bec.	ICP Majors and Traces; INAA
390	GS-08-303	7741422	2008	21	243318	6042977	NAD27	13K/07	Moran Lake Upper C Zone	Grab	08G.W.S.080			Actlabs	Ultratrace 4
391	GS-08-304	7740206	2008	21	243750	6043039	NAD27	13K/07	Moran Lake Upper C Zone	Grab	08G.W.S.083			GSNL; Bec.	ICP Majors and Traces; INAA
392	GS-08-305	7740207	2008	21	242829	6042453	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-07	17.10	23.50	GSNL; Bec.	ICP Majors and Traces; INAA
393	GS-08-322	7740208	2008	21	298516	6064780	NAD27	13K/09	Anna Lake	Grab	08G.W.S.057			GSNL	ICP Majors and Traces
394	GS-09-004	7741423	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-14	255.28	255.46	Actlabs	4E-Expl
395	GS-09-008	7741424	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-14	287.50	288.30	Actlabs	4E-Expl
396	GS-09-009	7740261	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-14	312.80	313.30	GSNL; Bec.	ICP Majors and Traces; INAA
397	GS-09-010	7740262	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-14	374.40	375.00	GSNL; Bec.	ICP Majors and Traces; INAA
398	GS-09-011	7740263	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-15	236.49	236.89	GSNL; Bec.	ICP Majors and Traces; INAA
399	GS-09-013	7740307	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-15	305	305.33	GSNL	ICP Majors and Traces

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
400	GS-09-014	7740308	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-15	305.45	305.8	GSNL	ICP Majors and Traces
401	GS-09-015	7740229	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-15	346.4	346.9	GSNL	ICP Majors and Traces
402	GS-09-017	7741425	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-15	479.75	480.2	Actlabs	4E-Expl
403	GS-09-018	7741426	2009	21	230228	6054210	NAD27	13K/11	Two Time	Core	CMB-07-15	484.45	484.94	Actlabs	Ultratrace 4
404	GS-09-019	7740231	2009	21	230297	6054023	NAD27	13K/11	Two Time	Core	CMB-07-21	479.74	480.34	GSNL	ICP Majors and Traces
405	GS-09-020	7740264	2009	21	230297	6054023	NAD27	13K/11	Two Time	Core	CMB-07-21	453.8	454.25	GSNL; Bec.	ICP Majors and Traces; INAA
406	GS-09-022	7740265	2009	21	230297	6054023	NAD27	13K/11	Two Time	Core	CMB-07-21	379.1	379.6	GSNL; Bec.	ICP Majors and Traces; INAA
407	GS-09-023	7740266	2009	21	230297	6054023	NAD27	13K/11	Two Time	Core	CMB-07-21	378.28	378.5	GSNL; Bec.	ICP Majors and Traces; INAA
408	GS-09-024	7740267	2009	21	230297	6054023	NAD27	13K/11	Two Time	Core	CMB-07-21	348.04	348.48	GSNL; Bec.	ICP Majors and Traces; INAA
409	GS-09-028	7740232	2009	21	230297	6054023	NAD27	13K/11	Two Time	Core	CMB-07-21	218.6	219.14	GSNL	ICP Majors and Traces
410	GS-09-034	7741427	2009	21	230372	6054309	NAD27	13K/11	Two Time	Core	CMB-07-34	55	55.36	Actlabs	4E-Expl
411	GS-09-035	7740268	2009	21	226734	6050824	NAD27	13K/11	Near Miss	Core	SNNM-07-01	85	85.6	GSNL; Bec.	ICP Majors and Traces; INAA
412	GS-09-036	7740269	2009	21	230994	6052981	NAD27	13K/11	Snegamook	Core	SN-08-08	231.13	231.58	GSNL; Bec.	ICP Majors and Traces; INAA
413	GS-09-037	7740233	2009	21	230994	6052981	NAD27	13K/11	Snegamook	Core	SN-08-08	208	208.5	GSNL	ICP Majors and Traces
414	GS-09-038	7741428	2009	21	230994	6052981	NAD27	13K/11	Snegamook	Core	SN-08-08	183.35	183.75	Actlabs	4E-Expl
415	GS-09-041	7740271	2009	21	230994	6052981	NAD27	13K/11	Snegamook	Core	SN-08-08	119.4	119.9	GSNL; Bec.	ICP Majors and Traces; INAA
416	GS-09-042	7741429	2009	21	230994	6052981	NAD27	13K/11	Snegamook	Core	SN-08-08	81.6	82.2	Actlabs	4E-Expl
417	GS-09-048	7741431	2009	21	231504	6052224	NAD27	13K/11	Snegamook	Grab	09G.W.S.005			Actlabs	Ultratrace 4
418	GS-09-054	7741432	2009	21	234802	6050745	NAD27	13K/11	Fish Hawk Lake North	Grab	09G.W.S.010			Actlabs	Ultratrace 4
419	GS-09-055	7741433	2009	21	234828	6050703	NAD27	13K/11	Fish Hawk Lake North	Grab	09G.W.S.012			Actlabs	4E-Expl
420	GS-09-056	7740234	2009	21	234776	6050768	NAD27	13K/11	Fish Hawk Lake North	Grab	09G.W.S.013			GSNL	ICP Majors and Traces
421	GS-09-057	7741434	2009	21	235048	6050674	NAD27	13K/11	Fish Hawk Lake North	Grab	09G.W.S.014			Actlabs	4E-Expl
422	GS-09-058	7741435	2009	21	235048	6050674	NAD27	13K/11	Fish Hawk Lake North	Grab	09G.W.S.014			Actlabs	4E-Expl
423	GS-09-059	7741436	2009	21	235062	6050700	NAD27	13K/11	Fish Hawk Lake North	Grab	09G.W.S.015			Actlabs	Ultratrace 4
424	GS-09-060	7741437	2009	21	235062	6050700	NAD27	13K/11	Fish Hawk Lake North	Grab	09G.W.S.015			Actlabs	Ultratrace 4
425	GS-09-061	7741438	2009	21	235062	6050700	NAD27	13K/11	Fish Hawk Lake North	Grab	09G.W.S.015			Actlabs	4E-Expl
426	GS-09-062	7741439	2009	21	235628	6050956	NAD27	13K/11	Wisky Jack	Grab	09G.W.S.016			Actlabs	Ultratrace 4
427	GS-09-063	7741441	2009	21	235628	6050956	NAD27	13K/11	Wisky Jack	Grab	09G.W.S.016			Actlabs	1D (Au+34)
428	GS-09-064	7740235	2009	21	235062	6050709	NAD27	13K/11	Fish Hawk Lake North	Core	FHLN-07-01	95.8	96.25	GSNL	ICP Majors and Traces
429	GS-09-066	7740236	2009	21	235062	6050709	NAD27	13K/11	Fish Hawk Lake North	Core	FHLN-07-01	58.15	58.7	GSNL	ICP Majors and Traces
430	GS-09-067	7740237	2009	21	235062	6050709	NAD27	13K/11	Fish Hawk Lake North	Core	FHLN-07-01	49.3	49.75	GSNL	ICP Majors and Traces
431	GS-09-068	7740238	2009	21	235062	6050709	NAD27	13K/11	Fish Hawk Lake North	Core	FHLN-07-01	26.95	27.45	GSNL	ICP Majors and Traces
432	GS-09-069	7740272	2009	21	237942	6051461	NAD27	13K/11	Ford	Grab	09G.W.S.025			GSNL; Bec.	ICP Majors and Traces; INAA
433	GS-09-070	7741442	2009	21	237997	6051450	NAD27	13K/11	Ford	Grab	09G.W.S.025			Actlabs	Ultratrace 4
434	GS-09-071	7741443	2009	21	238541	6050939	NAD27	13K/11	Firestone	Grab	09G.W.S.026			Actlabs	4E-Expl
435	GS-09-072	7741444	2009	21	234518	6049192	NAD27	13K/11	Fish Hawk Lake South	Core	FHLS-07-04	138.28	138.38	Actlabs	1D (Au+34)
436	GS-09-073	7740239	2009	21	234518	6049192	NAD27	13K/11	Fish Hawk Lake South	Core	FHLS-07-04	102.35	102.95	GSNL	ICP Majors and Traces
437	GS-09-075	7740273	2009	21	234518	6049192	NAD27	13K/11	Fish Hawk Lake South	Core	FHLS-07-04	42.1	42.97	GSNL; Bec.	ICP Majors and Traces; INAA
438	GS-09-077	7740274	2009	21	314957	6056123	NAD27	13J/12	Mustang Lake	Core	SP-06-10	155.67	156.17	GSNL; Bec.	ICP Majors and Traces; INAA
439	GS-09-079	7740275	2009	21	314957	6056123	NAD27	13J/12	Mustang Lake	Core	SP-06-10	161.7	162.2	GSNL; Bec.	ICP Majors and Traces; INAA
440	GS-09-080	7740241	2009	21	314957	6056123	NAD27	13J/12	Mustang Lake	Core	SP-06-10	170.69	171.4	GSNL	ICP Majors and Traces
441	GS-09-084	7740242	2009	21	316015	6056271	NAD27	13J/12	Mustang Lake	Core	ML-08-04	281.5	282	GSNL	ICP Majors and Traces
442	GS-09-087	7740276	2009	21	315531	6055774	NAD27	13J/12	Mustang Lake	Core	ML-08-07	34.3	34.8	GSNL; Bec.	ICP Majors and Traces; INAA
443	GS-09-088	7740277	2009	21	314949	6056051	NAD27	13J/12	Mustang Lake	Core	SP-07-14	137.2	137.88	GSNL; Bec.	ICP Majors and Traces; INAA
444	GS-09-089	7741445	2009	21	314949	6056051	NAD27	13J/12	Mustang Lake	Core	SP-07-14	141	141.3	Actlabs	4E-Expl
445	GS-09-090	7740278	2009	21	314949	6056051	NAD27	13J/12	Mustang Lake	Core	SP-07-14	146.34	146.84	GSNL; Bec.	ICP Majors and Traces; INAA
446	GS-09-091	7740243	2009	21	314949	6056051	NAD27	13J/12	Mustang Lake	Core	SP-07-14	100.61	101.11	GSNL	ICP Majors and Traces
447	GS-09-092	7740244	2009	21	314949	6056051	NAD27	13J/12	Mustang Lake	Core	SP-07-14	118.16	118.9	GSNL	ICP Majors and Traces
448	GS-09-094	7740245	2009	21	315531	6055774	NAD27	13J/12	Mustang Lake	Core	ML-08-07	61.95	62.5	GSNL	ICP Majors and Traces
449	GS-09-095	7740246	2009	21	315531	6055774	NAD27	13J/12	Mustang Lake	Core	ML-08-07	73.17	73.7	GSNL	ICP Majors and Traces
450	GS-09-098	7740279	2009	21	315531	6055774	NAD27	13J/12	Mustang Lake	Core	ML-08-07	148.07	148.57	GSNL; Bec.	ICP Majors and Traces; INAA
451	GS-09-099	7740281	2009	21	315531	6055774	NAD27	13J/12	Mustang Lake	Core	ML-08-07	236.23	236.64	GSNL; Bec.	ICP Majors and Traces; INAA
452	GS-09-100	7740282	2009	21	315531	6055774	NAD27	13J/12	Mustang Lake	Core	ML-08-07	237.2	237.7	GSNL; Bec.	ICP Majors and Traces; INAA
453	GS-09-101	7740247	2009	21	315531	6055774	NAD27	13J/12	Mustang Lake	Core	ML-08-07	243.11	243.54	GSNL	ICP Majors and Traces
454	GS-09-102	7741446	2009	21	257331	6060484	NAD27	13K/10	Boiteau Lake	Grab	09G.W.S.030			Actlabs	Ultratrace 4
455	GS-09-103	7741447	2009	21	257213	6060520	NAD27	13K/10	Boiteau Lake	Grab	09G.W.S.031			Actlabs	Ultratrace 4
456	GS-09-104	7741448	2009	21	257265	6060535	NAD27	13K/10	Boiteau Lake	Grab	09G.W.S.032			Actlabs	Ultratrace 4

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
457	GS-09-105	7741449	2009	21	256732	6059746	NAD27	13K/10	Boiteau Lake	Grab	09G.W.S.035			Actlabs	Ultratrace 4
458	GS-09-106	7741451	2009	21	256673	6059771	NAD27	13K/10	Boiteau Lake	Grab	09G.W.S.035			Actlabs	Ultratrace 4
459	GS-09-107	7741452	2009	21	258297	6063691	NAD27	13K/10	Boiteau Lake	Grab	09G.W.S.037			Actlabs	Ultratrace 4
460	GS-09-108	7741453	2009	21	258303	6063726	NAD27	13K/10	Boiteau Lake	Grab	09G.W.S.037			Actlabs	4E-Expl
461	GS-09-109	7741454	2009	21	255520	6056423	NAD27	13K/10	Boiteau Lake	Grab	09G.W.S.038			Actlabs	Ultratrace 4
462	GS-09-111	7740283	2009	21	241905	6042607	NAD27	13K/07	Moran Lake Upper C Zone	Grab	09G.W.S.039			GSNL; Bec.	ICP Majors and Traces; INAA
463	GS-09-112	7740284	2009	21	243333	6042941	NAD27	13K/07	Moran Lake Upper C Zone	Grab	09G.W.S.040			GSNL; Bec.	ICP Majors and Traces; INAA
464	GS-09-113	7741455	2009	21	243333	6042941	NAD27	13K/07	Moran Lake Upper C Zone	Grab	09G.W.S.040			Actlabs	1D (Au+34)
465	GS-09-114	7740285	2009	21	243300	6042909	NAD27	13K/07	Moran Lake Upper C Zone	Grab	09G.W.S.041			GSNL; Bec.	ICP Majors and Traces; INAA
466	GS-09-115	7741456	2009	21	243300	6042909	NAD27	13K/07	Moran Lake Upper C Zone	Grab	09G.W.S.041			Actlabs	1H (Au+48)
467	GS-09-118	7740248	2009	21	243738	6042989	NAD27	13K/07	Moran Lake Upper C Zone	Grab	09G.W.S.044			GSNL	ICP Majors and Traces
468	GS-09-120	7741457	2009	21	242833	6042902	NAD27	13K/07	Moran Lake Upper C Zone	Grab	09G.W.S.046			Actlabs	Ultratrace 4
469	GS-09-121	7741458	2009	21	252999	6052583	NAD27	13K/10	Blue Star	Grab	09G.W.S.048			Actlabs	1D (Au+34)
470	GS-09-122	7741459	2009	21	253090	6049593	NAD27	13K/10	Apollo	Grab	09G.W.S.051			Actlabs	Ultratrace 4
471	GS-09-123	7741461	2009	21	253117	6049744	NAD27	13K/10	Apollo	Grab	09G.W.S.052			Actlabs	1D (Au+34)
472	GS-09-124	7741462	2009	21	248464	6049553	NAD27	13K/10	Moran Heights	Grab	09G.W.S.053			Actlabs	Ultratrace 4
473	GS-09-125	7741463	2009	21	248449	6049512	NAD27	13K/10	Moran Heights	Grab	09G.W.S.054			Actlabs	Ultratrace 4
474	GS-09-126	7741464	2009	21	244661	6048734	NAD27	13K/10	Area 51	Grab	09G.W.S.055			Actlabs	Ultratrace 4
475	GS-09-127	7740286	2009	21	237755	6031039	NAD27	13K/06	Madsen	Core	ML-MA-08	155.5	156	GSNL; Bec.	ICP Majors and Traces; INAA
476	GS-09-128	7740249	2009	21	237755	6031039	NAD27	13K/06	Madsen	Core	ML-MA-08	125.63	126.13	GSNL	ICP Majors and Traces
477	GS-09-129	7740251	2009	21	237755	6031039	NAD27	13K/06	Madsen	Core	ML-MA-08	119.2	119.53	GSNL	ICP Majors and Traces
478	GS-09-130	7741465	2009	21	237755	6031039	NAD27	13K/06	Madsen	Core	ML-MA-08	80.9	81.4	Actlabs	Ultratrace 4
479	GS-09-131	7741466	2009	21	237755	6031039	NAD27	13K/06	Madsen	Core	ML-MA-08	69.51	69.91	Actlabs	4E-Expl
480	GS-09-133	7741467	2009	21	237755	6031039	NAD27	13K/06	Madsen	Core	ML-MA-08	64.9	65.4	Actlabs	4E-Expl
481	GS-09-134	7740287	2009	21	237755	6031039	NAD27	13K/06	Madsen	Core	ML-MA-08	44.95	45.47	GSNL; Bec.	ICP Majors and Traces; INAA
482	GS-09-135	7741468	2009	21	237735	6030994	NAD27	13K/06	Madsen	Core	ML-MA-02	50	50.55	Actlabs	Ultratrace 4
483	GS-09-137	7740288	2009	21	248471	6049469	NAD27	13K/10	Moran Heights	Core	ML-MH-04	76.74	77.3	GSNL; Bec.	ICP Majors and Traces; INAA
484	GS-09-142	7741469	2009	21	248471	6049469	NAD27	13K/10	Moran Heights	Core	ML-MH-04	70.58	71.02	Actlabs	1H (Au+48)
485	GS-09-143	7741471	2009	21	248471	6049469	NAD27	13K/10	Moran Heights	Core	ML-MH-04	67.22	67.62	Actlabs	Ultratrace 4
486	GS-09-145	7741472	2009	21	248471	6049469	NAD27	13K/10	Moran Heights	Core	ML-MH-04	40	40.5	Actlabs	Ultratrace 4
487	GS-09-146	7741473	2009	21	248471	6049469	NAD27	13K/10	Moran Heights	Core	ML-MH-04	35.5	36	Actlabs	1D (Au+34)
488	GS-09-147	7741474	2009	21	248471	6049469	NAD27	13K/10	Moran Heights	Core	ML-MH-04	29.96	30.32	Actlabs	1D (Au+34)
489	GS-09-148	7740252	2009	21	248471	6049469	NAD27	13K/10	Moran Heights	Core	ML-MH-03	82.3	83	GSNL	ICP Majors and Traces
490	GS-09-150	7740289	2009	21	244916	6048710	NAD27	13K/10	Area 51	Core	ML-A51-06	107.77	108.37	GSNL; Bec.	ICP Majors and Traces; INAA
491	GS-09-151	7740291	2009	21	244916	6048710	NAD27	13K/10	Area 51	Core	ML-A51-06	96.57	97.07	GSNL; Bec.	ICP Majors and Traces; INAA
492	GS-09-152	7740292	2009	21	244916	6048710	NAD27	13K/10	Area 51	Core	ML-A51-06	90.3	91.04	GSNL; Bec.	ICP Majors and Traces; INAA
493	GS-09-155	7740293	2009	21	244916	6048710	NAD27	13K/10	Area 51	Core	ML-A51-06	41.01	41.32	GSNL; Bec.	ICP Majors and Traces; INAA
494	GS-09-156	7740294	2009	21	244916	6048710	NAD27	13K/10	Area 51	Core	ML-A51-06	37.79	38.15	GSNL; Bec.	ICP Majors and Traces; INAA
495	GS-09-157	7741475	2009	21	244916	6048710	NAD27	13K/10	Area 51	Core	ML-A51-06	23.31	23.83	Actlabs	Ultratrace 4
496	GS-09-158	7740295	2009	21	244671	6048643	NAD27	13K/10	Area 51	Core	ML-A51-03	97.74	98.28	GSNL; Bec.	ICP Majors and Traces; INAA
497	GS-09-159	7740296	2009	21	244671	6048643	NAD27	13K/10	Area 51	Core	ML-A51-03	53.4	53.9	GSNL; Bec.	ICP Majors and Traces; INAA
498	GS-09-161	7741476	2009	21	244671	6048643	NAD27	13K/10	Area 51	Core	ML-A51-03	33.53	34.22	Actlabs	Ultratrace 4
499	GS-09-163	7741477	2009	21	244671	6048643	NAD27	13K/10	Area 51	Core	ML-A51-03	19.62	20.1	Actlabs	1H (Au+48)
500	GS-09-164	7740297	2009	21	243328	6042908	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-EM-05	63.05	63.5	GSNL; Bec.	ICP Majors and Traces; INAA
501	GS-09-165	7740298	2009	21	243328	6042908	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-EM-05	43.4	43.92	GSNL; Bec.	ICP Majors and Traces; INAA
502	GS-09-166	7741478	2009	21	243328	6042908	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-EM-05	19.16	19.56	Actlabs	1H (Au+48)
503	GS-09-167	7740253	2009	21	243328	6042908	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-EM-05	2.1	2.7	GSNL	ICP Majors and Traces
504	GS-09-169	7741479	2009	21	243730	6042956	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-EM-03	30.44	31	Actlabs	1H (Au+48)
505	GS-09-170	7741481	2009	21	243730	6042956	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-EM-03	28.24	28.68	Actlabs	1D (Au+34)
506	GS-09-172	7740254	2009	21	243310	6042873	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-EM-04	56.67	57.07	GSNL	ICP Majors and Traces
507	GS-09-173	7741482	2009	21	240788	6041536	NAD27	13K/07	Armstrong	Core	ML-AR-09	162.41	162.94	Actlabs	1H (Au+48)
508	GS-09-174	7741483	2009	21	240788	6041536	NAD27	13K/07	Armstrong	Core	ML-AR-09	159.55	160	Actlabs	Ultratrace 4
509	GS-09-175	7741484	2009	21	240788	6041536	NAD27	13K/07	Armstrong	Core	ML-AR-09	154.63	155	Actlabs	1D (Au+34)
510	GS-09-177	7740299	2009	21	337400	6091040	NAD27	13J/13	Gear	Core	G-68-135	10	10.49	GSNL; Bec.	ICP Majors and Traces; INAA
511	GS-09-182	7741485	2009	21	337358	6091555	NAD27	13J/13	Gear	Core	G-68-132	73.81	74.33	Actlabs	1D (Au+34)
512	GS-09-184	7741486	2009	21	337358	6091555	NAD27	13J/13	Gear	Core	G-68-132	39.8	40.5	Actlabs	1D (Au+34)
513	GS-09-185	7740255	2009	21	337358	6091555	NAD27	13J/13	Gear	Core	G-68-132	51.83	52.25	GSNL	ICP Majors and Traces

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ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
514	GS-09-188	7740256	2009	21	337112	6091157	NAD27	13J/13	Gear	Core	G-68-142	28.72	29.22	GSNL	ICP Majors and Traces
515	GS-09-189	7740257	2009	21	337112	6091157	NAD27	13J/13	Gear	Core	G-68-142	49	49.5	GSNL	ICP Majors and Traces
516	GS-09-191	7741487	2009	21	337112	6091157	NAD27	13J/13	Gear	Core	G-68-142	83.2	83.5	Actlabs	4E-Expl
517	GS-09-193	7740301	2009	21	331763	6087237	NAD27	13J/13	Nash	Core	N-69-29	21.4	21.9	GSNL; Bec.	ICP Majors and Traces; INAA
518	GS-09-194	7740258	2009	21	331763	6087237	NAD27	13J/13	Nash	Core	N-69-29	61.7	62.3	GSNL	ICP Majors and Traces
519	GS-09-197	7740302	2009	21	331875	6087422	NAD27	13J/13	Nash	Core	N-68-02	42.83	43.3	GSNL; Bec.	ICP Majors and Traces; INAA
520	GS-09-199	7740303	2009	21	332085	6087470	NAD27	13J/13	Nash	Core	N-69-17	74.47	75.2	GSNL; Bec.	ICP Majors and Traces; INAA
521	GS-09-200	7740304	2009	21	332085	6087470	NAD27	13J/13	Nash	Core	N-69-17	95.4	95.7	GSNL; Bec.	ICP Majors and Traces; INAA
522	GS-09-201	7740305	2009	21	329918	6086993	NAD27	13J/13	Nash West	Core	NW-77-04	5.6	6.1	GSNL; Bec.	ICP Majors and Traces; INAA
523	GS-09-203	7741488	2009	21	329918	6086993	NAD27	13J/13	Nash West	Core	NW-77-04	43.25	43.65	Actlabs	4E-Expl
524	GS-09-204	7741489	2009	21	330458	6087013	NAD27	13J/13	Nash West	Core	NW-77-02	4.7	5.3	Actlabs	1D (Au+34)
525	GS-09-206	7741491	2009	21	325484	6058120	NAD27	13J/12	Burnt Lake/ White Bear	Grab	09G.W.S.060			Actlabs	4E-Expl
526	GS-09-207	7741492	2009	21	325484	6058120	NAD27	13J/12	Burnt Lake/ White Bear	Grab	09G.W.S.060			Actlabs	Ultratrace 4
527	GS-09-208	7741493	2009	21	325180	6057744	NAD27	13J/12	Burnt Lake/ White Bear	Grab	09G.W.S.061			Actlabs	1D (Au+34)
528	GS-09-210	7741494	2009	21	331272	6058367	NAD27	13J/12	Emben/ Otter Lake	Grab	09G.W.S.062			Actlabs	4E-Expl
529	GS-09-211	7741495	2009	21	329703	6063083	NAD27	13J/12	Burnt Brook	Grab	09G.W.S.063			Actlabs	Ultratrace 4
530	GS-09-213	7741496	2009	21	329703	6063083	NAD27	13J/12	Burnt Brook	Grab	09G.W.S.063			Actlabs	Ultratrace 4
531	GS-09-214	7741497	2009	21	329611	6063042	NAD27	13J/12	Burnt Brook	Grab	09G.W.S.064			Actlabs	4E-Expl
532	GS-09-215	7741498	2009	21	331600	6065651	NAD27	13J/12	Gayle	Grab	09G.W.S.065			Actlabs	4E-Expl
533	GS-09-217	7741499	2009	21	334500	6089220	NAD27	13J/13	Inda	Grab	09G.W.S.067			Actlabs	4E-Expl
534	GS-09-218	7741501	2009	21	339032	6093232	NAD27	13J/13	Punch Lake South	Grab	09G.W.S.068			Actlabs	4E-Expl
535	GS-09-220	7741502	2009	21	339032	6093232	NAD27	13J/13	Punch Lake South	Grab	09G.W.S.068			Actlabs	1H (Au+48)
536	GS-09-221	7741503	2009	21	197049	6048209	NAD27	13K/05	Baragar's Radioactive Conglomerate	Grab	N/A			Actlabs	Ultratrace 4
537	GS-09-222	7740306	2009	21	242784	6098785	NAD27	13K/14	Stomach Lake	Grab	07G.W.S.061			GSNL; Bec.	ICP Majors and Traces; INAA
538	GS-14-001	7740903	2014	21	231021	6052839	NAD27	13K/11	Snegamook	Core	SN-08-06	286.70	287.15	GSNL; Bec.	ICP Majors and Traces; INAA
539	GS-14-002	7740904	2014	21	231021	6052839	NAD27	13K/11	Snegamook	Core	SN-08-06	257.70	258.30	GSNL; Bec.	ICP Majors and Traces; INAA
540	GS-14-006	7740905	2014	21	231021	6052839	NAD27	13K/11	Snegamook	Core	SN-08-06	216.40	216.80	GSNL; Bec.	ICP Majors and Traces; INAA
541	GS-14-007	7740906	2014	21	231021	6052839	NAD27	13K/11	Snegamook	Core	SN-08-06	183.90	184.70	GSNL; Bec.	ICP Majors and Traces; INAA
542	GS-14-011	7740907	2014	21	231021	6052839	NAD27	13K/11	Snegamook	Core	SN-08-06	100.06	100.10	GSNL; Bec.	ICP Majors and Traces; INAA
543	GS-14-019	7740908	2014	21	230704	6053704	NAD27	13K/11	Snegamook	Core	SN-07-01	122.35	123.00	GSNL; Bec.	ICP Majors and Traces; INAA
544	GS-14-020	7740909	2014	21	230704	6053704	NAD27	13K/11	Snegamook	Core	SN-07-01	129.00	137.50	GSNL	ICP Majors and Traces
545	GS-14-033	7740911	2014	21	230801	6053679	NAD27	13K/11	Snegamook	Core	SN-08-12	300.90	306.30	GSNL	ICP Majors and Traces
546	GS-14-035	7740912	2014	21	230801	6053679	NAD27	13K/11	Snegamook	Core	SN-08-12	225.60	226.20	GSNL; Bec.	ICP Majors and Traces; INAA
547	GS-14-038	7740913	2014	21	230373	6054047	NAD27	13K/11	Two Time	Core	CMB-07-20	257.34	257.92	GSNL	ICP Majors and Traces
548	GS-14-039	7740914	2014	21	225458	6056696	NAD27	13K/11	Two Time	Grab	14G.W.S.005			GSNL; Bec.	ICP Majors and Traces; INAA
549	GS-14-040	7740915	2014	21	225458	6056696	NAD27	13K/11	Two Time	Grab	14G.W.S.005			GSNL; Bec.	ICP Majors and Traces; INAA
550	GS-14-041	7741504	2014	21	231301	6057204	NAD27	13K/11	Two Time	Grab	14G.W.S.007			Actlabs	4Litho
551	GS-14-043	7740917	2014	21	231476	6057386	NAD27	13K/11	Two Time	Grab	14G.W.S.010			GSNL; Bec.	ICP Majors and Traces; INAA
552	GS-14-046	7741505	2014	21	240725	6041181	NAD27	13K/07	Armstrong	Grab	14G.W.S.012			Actlabs	4Litho; 5D-U-DNC
553	GS-14-047	7741506	2014	21	239829	6040815	NAD27	13K/06	Canico Anomaly No 16	Grab	14G.W.S.013			Actlabs	4Litho
554	GS-14-048	7741507	2014	21	239782	6040805	NAD27	13K/06	Canico Anomaly No 16	Grab	14G.W.S.014			Actlabs	4Litho
555	GS-14-049	7740918	2014	21	239782	6040805	NAD27	13K/06	Canico Anomaly No 16	Grab	14G.W.S.014			GSNL; Bec.	ICP Majors and Traces; INAA
556	GS-14-051	7741508	2014	21	239666	6040843	NAD27	13K/06	Canico Anomaly No 16	Grab	14G.W.S.015			Actlabs	4Litho; 5D-U-DNC
557	GS-14-054	7740919	2014	21	243968	6043479	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-115	169.60	170.00	GSNL	ICP Majors and Traces
558	GS-14-057	7741001	2014	21	243968	6043479	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-115	164.40	164.70	GSNL	ICP Majors and Traces
559	GS-14-058	7741509	2014	21	243968	6043479	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-115	160.00	160.50	Actlabs	4Litho
560	GS-14-060	7740921	2014	21	243968	6043479	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-115	156.50	157.00	GSNL; Bec.	ICP Majors and Traces; INAA
561	GS-14-063	7740922	2014	21	243968	6043479	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-116	217.00	217.50	GSNL	ICP Majors and Traces
562	GS-14-064	7740923	2014	21	243968	6043479	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-116	203.30	203.70	GSNL	ICP Majors and Traces
563	GS-14-065	7741002	2014	21	243968	6043479	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-116	161.70	162.20	GSNL	ICP Majors and Traces
564	GS-14-067	7740924	2014	21	243968	6043479	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-116	147.47	148.00	GSNL	ICP Majors and Traces
565	GS-14-072	7741511	2014	21	243997	6043511	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-120	114.30	114.50	Actlabs	4Litho
566	GS-14-073	7741512	2014	21	242915	6042725	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-08	110.80	111.00	Actlabs	4Litho
567	GS-14-076	7740925	2014	21	242915	6042725	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-08	95.30	95.80	GSNL	ICP Majors and Traces
568	GS-14-077	7740926	2014	21	242915	6042725	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-08	70.50	70.90	GSNL	ICP Majors and Traces
569	GS-14-078	7740927	2014	21	242915	6042725	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-08	10.90	11.40	GSNL	ICP Majors and Traces
570	GS-14-079	7741513	2014	21	242709	6042828	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-12	89.30	89.70	Actlabs	4Litho

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
571	GS-14-081	7741514	2014	21	242709	6042828	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-12	78.70	79.25	Actlabs	4Litho
572	GS-14-087	7741515	2014	21	242709	6042828	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-12	50.85	51.15	Actlabs	4Litho
573	GS-14-088	7740928	2014	21	242709	6042828	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-12	40.65	41.20	GSNL	ICP Majors and Traces
574	GS-14-090	7740929	2014	21	240743	6043052	NAD27	13K/06	Moran Lake Area 1	Grab	14G.W.S.018			GSNL	ICP Majors and Traces
575	GS-14-091	7740931	2014	21	240696	6043055	NAD27	13K/06	Moran Lake Area 1	Grab	14G.W.S.018			GSNL	ICP Majors and Traces
576	GS-14-092	7740932	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	51.35	52.00	GSNL; Bec.	ICP Majors and Traces; INAA
577	GS-14-094	7740933	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	60.00	60.50	GSNL; Bec.	ICP Majors and Traces; INAA
578	GS-14-095	7740934	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	248.50	249.00	GSNL; Bec.	ICP Majors and Traces; INAA
579	GS-14-096	7740935	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	278.70	279.20	GSNL	ICP Majors and Traces
580	GS-14-097	7740936	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	284.10	284.70	GSNL	ICP Majors and Traces
581	GS-14-098	7741516	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	322.00	322.60	Actlabs	4Litho
582	GS-14-099	7740937	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	352.30	352.90	GSNL; Bec.	ICP Majors and Traces; INAA
583	GS-14-101	7740938	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	426.50	427.00	GSNL; Bec.	ICP Majors and Traces; INAA
584	GS-14-103	7741517	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	493.75	494.40	Actlabs	4Litho
585	GS-14-105	7740939	2014	21	230324	6053989	NAD27	13K/11	Two Time	Core	CMB-12-49	550.40	551.00	GSNL	ICP Majors and Traces
586	GS-14-106	7740941	2014	21	238561	6050833	NAD27	13K/11	Firestone	Core	FS-11-07	131.00	131.75	GSNL; Bec.	ICP Majors and Traces; INAA
587	GS-14-107	7740942	2014	21	238561	6050833	NAD27	13K/11	Firestone	Core	FS-11-07	116.50	117.15	GSNL	ICP Majors and Traces
588	GS-14-108	7741518	2014	21	238561	6050833	NAD27	13K/11	Firestone	Core	FS-11-07	89.40	89.80	Actlabs	4E-Expl
589	GS-14-109	7740943	2014	21	238561	6050833	NAD27	13K/11	Firestone	Core	FS-11-07	81.50	82.30	GSNL	ICP Majors and Traces
590	GS-14-110	7741519	2014	21	238561	6050833	NAD27	13K/11	Firestone	Core	FS-11-07	59.00	59.50	Actlabs	4E-Expl
591	GS-14-112	7740944	2014	21	238561	6050833	NAD27	13K/11	Firestone	Core	FS-11-07	29.90	30.50	GSNL; Bec.	ICP Majors and Traces; INAA
592	GS-14-113	7740945	2014	21	242976	6042935	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-193	8.10	8.70	GSNL; Bec.	ICP Majors and Traces; INAA
593	GS-14-114	7740946	2014	21	242976	6042935	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-193	34.50	34.90	GSNL; Bec.	ICP Majors and Traces; INAA
594	GS-14-115	7740947	2014	21	242976	6042935	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-193	49.30	50.00	GSNL	ICP Majors and Traces
595	GS-14-116	7740948	2014	21	242976	6042935	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-193	52.30	53.00	GSNL	ICP Majors and Traces
596	GS-14-118	7740949	2014	21	242976	6042935	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-193	69.50	70.00	GSNL; Bec.	ICP Majors and Traces; INAA
597	GS-14-120	7740951	2014	21	242976	6042935	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-193	102.50	103.00	GSNL; Bec.	ICP Majors and Traces; INAA
598	GS-14-128	7740952	2014	21	244157	6043818	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-166	119.00	119.60	GSNL	ICP Majors and Traces
599	GS-14-129	7740953	2014	21	246963	6044570	NAD27	13K/07	Moran Lake B Zone	Core	ML-GV-01	523.00	523.75	GSNL; Bec.	ICP Majors and Traces; INAA
600	GS-14-130	7740954	2014	21	246963	6044570	NAD27	13K/07	Moran Lake B Zone	Core	ML-GV-01	479.77	487.96	GSNL	ICP Majors and Traces
601	GS-14-131	7740955	2014	21	246963	6044570	NAD27	13K/07	Moran Lake B Zone	Core	ML-GV-01	427.20	427.90	GSNL; Bec.	ICP Majors and Traces; INAA
602	GS-14-132	7740956	2014	21	246963	6044570	NAD27	13K/07	Moran Lake B Zone	Core	ML-GV-01	405.00	405.60	GSNL; Bec.	ICP Majors and Traces; INAA
603	GS-14-135	7740957	2014	21	246963	6044570	NAD27	13K/07	Moran Lake B Zone	Core	ML-GV-01	395.00	395.70	GSNL	ICP Majors and Traces
604	GS-14-137	7741521	2014	21	246934	6044989	NAD27	13K/07	Moran Lake B Zone	Core	ML-BZ-15	107.00	107.65	Actlabs	4E-Expl
605	GS-14-138	7741522	2014	21	246934	6044989	NAD27	13K/07	Moran Lake B Zone	Core	ML-BZ-15	89.41	89.90	Actlabs	4E-Expl
606	GS-14-139	7741523	2014	21	246934	6044989	NAD27	13K/07	Moran Lake B Zone	Core	ML-BZ-15	87.50	88.00	Actlabs	4Litho
607	GS-14-140	7741524	2014	21	246934	6044989	NAD27	13K/07	Moran Lake B Zone	Core	ML-BZ-15	85.90	86.40	Actlabs	4E-Expl
608	GS-14-142	7740958	2014	21	243804	6043527	NAD27	13K/07	Moran Lake Lower C Zone	Core	ML-44	387.00	387.70	GSNL; Bec.	ICP Majors and Traces; INAA
609	GS-14-143	7741525	2014	21	243804	6043527	NAD27	13K/07	Moran Lake Lower C Zone	Core	ML-44	349.50	350.10	Actlabs	4E-Expl
610	GS-14-144	7741526	2014	21	243804	6043527	NAD27	13K/07	Moran Lake Lower C Zone	Core	ML-44	345.00	345.60	Actlabs	4E-Expl
611	GS-14-145	7741527	2014	21	243804	6043527	NAD27	13K/07	Moran Lake Lower C Zone	Core	ML-44	336.85	337.30	Actlabs	4E-Expl
612	GS-14-146	7741528	2014	21	243823	6043544	NAD27	13K/07	Moran Lake Lower C Zone	Core	ML-34	310.90	311.40	Actlabs	4E-Expl
613	GS-14-147	7741529	2014	21	243823	6043544	NAD27	13K/07	Moran Lake Lower C Zone	Core	ML-34	314.85	315.35	Actlabs	4E-Expl
614	GS-14-148	7741531	2014	21	243823	6043544	NAD27	13K/07	Moran Lake Lower C Zone	Core	ML-34	317.85	318.35	Actlabs	4E-Expl
615	GS-14-149	7741532	2014	21	243823	6043544	NAD27	13K/07	Moran Lake Lower C Zone	Core	ML-34	323.30	323.80	Actlabs	4E-Expl
616	GS-14-151	7741533	2014	21	247291	6045349	NAD27	13K/07	Moran Lake B Zone	Grab	14G.W.S.020			Actlabs	4Litho
617	GS-14-152	7741534	2014	21	247291	6045349	NAD27	13K/07	Moran Lake B Zone	Grab	14G.W.S.020			Actlabs	4Litho
618	GS-14-157	7741535	2014	21	247190	6044925	NAD27	13K/07	Moran Lake B Zone	Grab	14G.W.S.024			Actlabs	4Litho
619	GS-14-158	7741536	2014	21	246956	6044739	NAD27	13K/07	Moran Lake B Zone	Grab	14G.W.S.026			Actlabs	4Litho
620	GS-14-159	7741537	2014	21	246928	6044725	NAD27	13K/07	Moran Lake B Zone	Grab	14G.W.S.027			Actlabs	4Litho
621	GS-14-160	7740963	2014	21	246928	6044725	NAD27	13K/07	Moran Lake B Zone	Grab	14G.W.S.027			GSNL	ICP Majors and Traces
622	GS-14-161	7741003	2014	21	245468	6044939	NAD27	13K/07	Moran Lake B Zone	Grab	14G.W.S.030			GSNL	ICP Majors and Traces
623	GS-14-162	7741538	2014	21	245363	6044873	NAD27	13K/07	Moran Lake B Zone	Grab	14G.W.S.031			Actlabs	4E-Expl
624	GS-14-164	7741539	2014	21	249189	6049502	NAD27	13K/10	Moran Heights	Grab	14G.W.S.035			Actlabs	4E-Expl
625	GS-14-165	7741541	2014	21	249261	6049640	NAD27	13K/10	Moran Heights	Grab	14G.W.S.036			Actlabs	4E-Expl
626	GS-14-166	7741542	2014	21	249382	6049754	NAD27	13K/10	Moran Heights	Grab	14G.W.S.037			Actlabs	4E-Expl
627	GS-14-167	7741543	2014	21	249288	6049284	NAD27	13K/10	Moran Heights	Grab	14G.W.S.037			Actlabs	4E-Expl

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
628	GS-14-169	7740964	2014	21	240971	6045421	NAD27	13K/07	Moran Lake Area	Grab	14G.W.S.039			GSNL; Bec.	ICP Majors and Traces; INAA
629	GS-14-170	7740965	2014	21	241083	6045332	NAD27	13K/07	Moran Lake Area	Grab	14G.W.S.040			GSNL; Bec.	ICP Majors and Traces; INAA
630	GS-14-171	7740966	2014	21	244631	6046976	NAD27	13K/10	Moran Lake Area	Grab	14G.W.S.041			GSNL; Bec.	ICP Majors and Traces; INAA
631	GS-14-172	7740967	2014	21	334537	6088991	NAD27	13J/13	Inda	Core	I-07-003	76.90	77.60	GSNL; Bec.	ICP Majors and Traces; INAA
632	GS-14-173	7740968	2014	21	334537	6088991	NAD27	13J/13	Inda	Core	I-07-003	98.00	98.60	GSNL; Bec.	ICP Majors and Traces; INAA
633	GS-14-174	7740969	2014	21	334537	6088991	NAD27	13J/13	Inda	Core	I-07-003	112.70	120.80	GSNL; Bec.	ICP Majors and Traces; INAA
634	GS-14-176	7740971	2014	21	334537	6088991	NAD27	13J/13	Inda	Core	I-07-003	166.50	167.20	GSNL; Bec.	ICP Majors and Traces; INAA
635	GS-14-177	7740972	2014	21	334537	6088991	NAD27	13J/13	Inda	Core	I-07-003	216.80	217.40	GSNL; Bec.	ICP Majors and Traces; INAA
636	GS-14-179	7741544	2014	21	334537	6088991	NAD27	13J/13	Inda	Core	I-07-004	160.60	170.00	Actlabs	4Litho; 5D-U-DNC
637	GS-14-180	7740973	2014	21	334537	6088991	NAD27	13J/13	Inda	Core	I-07-004	211.30	216.45	GSNL; Bec.	ICP Majors and Traces; INAA
638	GS-14-181	7740974	2014	21	334537	6088991	NAD27	13J/13	Inda	Core	I-07-004	264.76	265.40	GSNL; Bec.	ICP Majors and Traces; INAA
639	GS-14-182	7741004	2014	21	334537	6088991	NAD27	13J/13	Inda	Core	I-07-004	327.90	328.70	GSNL	ICP Majors and Traces
640	GS-14-183	7741545	2014	21	334786	6089027	NAD27	13J/13	Inda	Core	I-07-008A	458.00	458.80	Actlabs	4E-Expl
641	GS-14-184	7740975	2014	21	247418	6050109	NAD27	13K/10	Moran Lake Area	Grab	14G.W.S.042			GSNL; Bec.	ICP Majors and Traces; INAA
642	GS-14-185	7741546	2014	21	238583	6050409	NAD27	13K/11	Moran Lake Area	Grab	14G.W.S.044			Actlabs	4E-Expl
643	GS-14-186	7740976	2014	21	238762	6050529	NAD27	13K/11	Moran Lake Area	Grab	14G.W.S.044			GSNL	ICP Majors and Traces
644	GS-14-187	7741547	2014	21	233248	6053845	NAD27	13K/11	Moran Lake Area	Grab	14G.W.S.046			Actlabs	4E-Expl
645	GS-14-188	7740977	2014	21	233078	6051980	NAD27	13K/11	Moran Lake Area	Grab	14G.W.S.047			GSNL	ICP Majors and Traces
646	GS-14-189	7741548	2014	21	235224	6054148	NAD27	13K/11	Moran Lake Area	Grab	14G.W.S.049			Actlabs	4E-Expl
647	GS-14-191	7741549	2014	21	235250	6054153	NAD27	13K/11	Moran Lake Area	Grab	14G.W.S.051			Actlabs	4E-Expl
648	GS-14-192	7740978	2014	21	228872	6047267	NAD27	13K/11	Moran Lake Area	Grab	14G.W.S.053			GSNL; Bec.	ICP Majors and Traces; INAA
649	GS-14-193	7741551	2014	21	228219	6049148	NAD27	13K/11	Moran Lake Area	Grab	14G.W.S.054			Actlabs	4E-Expl
650	GS-14-194	7741552	2014	21	227926	6049059	NAD27	13K/11	Moran Lake Area	Grab	14G.W.S.055			Actlabs	4E-Expl
651	GS-14-195	7741553	2014	21	242975	6042478	NAD27	13K/07	Moran Lake Area 1	Grab	14G.W.S.058			Actlabs	4E-Expl
652	GS-14-197	7740979	2014	21	244374	6040263	NAD27	13K/07	Moran Lake Area 1	Grab	14G.W.S.062			GSNL; Bec.	ICP Majors and Traces; INAA
653	GS-14-198	7740981	2014	21	244374	6040263	NAD27	13K/07	Moran Lake Area 1	Grab	14G.W.S.062			GSNL; Bec.	ICP Majors and Traces; INAA
654	GS-14-199	7740982	2014	21	249820	6034192	NAD27	13K/07	Sylvia Lake	Grab	14G.W.S.063			GSNL; Bec.	ICP Majors and Traces; INAA
655	GS-14-200	7740983	2014	21	242963	6012608	NAD27	13K/02	Minisinakwa	Core	ML-08-06	74.80	75.70	GSNL; Bec.	ICP Majors and Traces; INAA
656	GS-14-201	7740984	2014	21	242963	6012608	NAD27	13K/02	Minisinakwa	Core	ML-08-06	50.50	51.40	GSNL; Bec.	ICP Majors and Traces; INAA
657	GS-14-203	7740985	2014	21	242807	6012434	NAD27	13K/02	Minisinakwa	Core	ML-08-02	83.46	87.78	GSNL	ICP Majors and Traces
658	GS-14-207	7741554	2014	21	243092	6012520	NAD27	13K/02	Minisinakwa	Grab	14G.W.S.065			Actlabs	4Litho; 5D-U-DNC
659	GS-14-208	7741555	2014	21	297656	6063385	NAD27	13K/09	Anna Lake	Core	AL-08-57	620.20	620.80	Actlabs	4Litho
660	GS-14-209	7741556	2014	21	297656	6063385	NAD27	13K/09	Anna Lake	Core	AL-08-57	592.20	592.70	Actlabs	4Litho
661	GS-14-210	7741557	2014	21	297656	6063385	NAD27	13K/09	Anna Lake	Core	AL-08-57	570.50	571.10	Actlabs	4Litho
662	GS-14-211	7741558	2014	21	297656	6063385	NAD27	13K/09	Anna Lake	Core	AL-08-57	552.80	553.70	Actlabs	4Litho
663	GS-14-212	7741559	2014	21	295053	6054601	NAD27	13K/09	Active Pond	Grab	14G.W.S.067			Actlabs	4Litho
664	GS-14-220	7740986	2014	21	307249	6052131	NAD27	13J/12	Michelin	Core	ML-163	200.80	201.30	GSNL; Bec.	ICP Majors and Traces; INAA
665	GS-14-221	7741561	2014	21	305910	6054704	NAD27	13K/09	Michelin	Grab	14G.W.S.083			Actlabs	4Litho
666	GS-14-222	7741562	2014	21	306004	6054682	NAD27	13K/09	Michelin	Grab	14G.W.S.084			Actlabs	4Litho
667	GS-14-223	7741563	2014	21	306200	6054552	NAD27	13K/09	Michelin	Grab	14G.W.S.086			Actlabs	4Litho
668	GS-14-224	7741564	2014	21	306193	6054402	NAD27	13K/09	Michelin	Grab	14G.W.S.088			Actlabs	4Litho
669	GS-14-225	7741565	2014	21	306017	6054309	NAD27	13K/09	Michelin	Grab	14G.W.S.090			Actlabs	4Litho
670	GS-14-226	7741566	2014	21	305677	6054063	NAD27	13K/09	Michelin	Grab	14G.W.S.091			Actlabs	4Litho
671	GS-14-227	7740987	2014	21	306510	6052328	NAD27	13J/12	Michelin	Grab	14G.W.S.092			GSNL; Bec.	ICP Majors and Traces; INAA
672	GS-14-230	7740988	2014	21	307249	6052131	NAD27	13J/12	Michelin	Core	ML-163	203.66	204.10	GSNL; Bec.	ICP Majors and Traces; INAA
673	GS-14-232	7740989	2014	21	307249	6052131	NAD27	13J/12	Michelin	Core	ML-163	237.00	237.60	GSNL; Bec.	ICP Majors and Traces; INAA
674	GS-14-240	7741567	2014	21	307249	6052131	NAD27	13J/12	Michelin	Core	ML-163	274.50	275.00	Actlabs	4Litho; 5D-U-DNC
675	GS-14-241	7741568	2014	21	307249	6052131	NAD27	13J/12	Michelin	Core	ML-163	298.40	299.00	Actlabs	4Litho
676	GS-14-242	7741569	2014	21	307249	6052131	NAD27	13J/12	Michelin	Core	ML-163	351.05	351.60	Actlabs	4Litho
677	GS-14-243	7741571	2014	21	307249	6052131	NAD27	13J/12	Michelin	Core	ML-163	374.75	375.20	Actlabs	4Litho
678	GS-14-244	7741572	2014	21	307249	6052131	NAD27	13J/12	Michelin	Core	ML-163	391.50	392.00	Actlabs	4Litho
679	GS-14-245	7740991	2014	21	306236	6050125	NAD27	13J/12	Rainbow	Core	RZ-06-02	133.60	134.40	GSNL; Bec.	ICP Majors and Traces; INAA
680	GS-14-246	7740992	2014	21	306236	6050125	NAD27	13J/12	Rainbow	Core	RZ-06-02	115.40	116.00	GSNL; Bec.	ICP Majors and Traces; INAA
681	GS-14-247	7740993	2014	21	306236	6050125	NAD27	13J/12	Rainbow	Core	RZ-06-02	91.05	91.75	GSNL; Bec.	ICP Majors and Traces; INAA
682	GS-14-248	7741573	2014	21	306236	6050125	NAD27	13J/12	Rainbow	Core	RZ-06-02	66.50	67.00	Actlabs	4Litho; 5D-U-DNC
683	GS-14-249	7740994	2014	21	306236	6050125	NAD27	13J/12	Rainbow	Core	RZ-06-02	50.13	50.67	GSNL; Bec.	ICP Majors and Traces; INAA
684	GS-14-252	7740995	2014	21	307061	6052200	NAD27	13J/12	Michelin	Core	ML-157	72.90	81.06	GSNL	ICP Majors and Traces

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
685	GS-15-015	7741017	2015	21	315052	6057138	NAD27	13J/12	Mustang Lake	Core	IZ-79-05	24.40	25.10	GSNL	ICP Majors and Traces
686	GS-15-016	7741018	2015	21	315052	6057138	NAD27	13J/12	Mustang Lake	Core	IZ-79-05	46.20	46.70	GSNL	ICP Majors and Traces
687	GS-15-017	7741019	2015	21	315052	6057138	NAD27	13J/12	Mustang Lake	Core	IZ-79-07	12.50	13.10	GSNL	ICP Majors and Traces
688	GS-15-018	7741021	2015	21	315052	6057138	NAD27	13J/12	Mustang Lake	Core	IZ-79-07	45.00	45.70	GSNL	ICP Majors and Traces
689	GS-15-019	7741022	2015	21	239797	6041473	NAD27	13K/06	Armstrong	Grab	15G.W.S.100			GSNL	ICP Majors and Traces
690	GS-15-020	7741023	2015	21	243789	6043592	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-32	151.60	152.40	GSNL	ICP Majors and Traces
691	GS-15-022	7741024	2015	21	243789	6043592	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-32	132.80	133.40	GSNL	ICP Majors and Traces
692	GS-15-027	7741025	2015	21	242720	6042945	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-54	211.00	211.50	GSNL	ICP Majors and Traces
693	GS-15-028	7741574	2015	21	242720	6042945	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-54	206.90	207.30	Actlabs	4E-Expl
694	GS-15-029	7741026	2015	21	242720	6042945	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-54	195.50	196.10	GSNL	ICP Majors and Traces
695	GS-15-032	7741027	2015	21	242720	6042945	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-54	47.50	47.95	GSNL	ICP Majors and Traces
696	GS-15-033	7741028	2015	21	242720	6042945	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-54	25.20	25.80	GSNL	ICP Majors and Traces
697	GS-15-034	7741029	2015	21	239959	6041259	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.102			GSNL; Bec.	ICP Majors and Traces; INAA
698	GS-15-035	7741159	2015	21	239917	6041287	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.104			GSNL	ICP Majors and Traces
699	GS-15-037	7741575	2015	21	239827	6041131	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.105			Actlabs	4E-Expl
700	GS-15-039	7741031	2015	21	239756	6041073	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.107			GSNL; Bec.	ICP Majors and Traces; INAA
701	GS-15-040	7741576	2015	21	239634	6040976	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.108			Actlabs	4E-Expl
702	GS-15-041	7741032	2015	21	239796	6040930	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.109			GSNL	ICP Majors and Traces
703	GS-15-043	7741033	2015	21	241517	6042757	NAD27	13K/07	Moran Lake Area 1	Core	ML-A1-21	106.00	106.60	GSNL	ICP Majors and Traces
704	GS-15-045	7741577	2015	21	239850	6041296	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.113			Actlabs	4E-Expl
705	GS-15-046	7741034	2015	21	238623	6041199	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.116			GSNL; Bec.	ICP Majors and Traces; INAA
706	GS-15-048	7741035	2015	21	238941	6040290	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.120			GSNL	ICP Majors and Traces
707	GS-15-049	7741036	2015	21	239071	6040279	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.121			GSNL; Bec.	ICP Majors and Traces; INAA
708	GS-15-050	7741578	2015	21	239640	6040811	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.123			Actlabs	4E-Expl
709	GS-15-051	7741037	2015	21	239565	6040739	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.126			GSNL; Bec.	ICP Majors and Traces; INAA
710	GS-15-053	7741038	2015	21	239690	6040783	NAD27	13K/06	Canico Anomaly No 16	Hand drilled	15G.W.S.130			GSNL; Bec.	ICP Majors and Traces; INAA
711	GS-15-054	7741579	2015	21	239779	6040792	NAD27	13K/06	Canico Anomaly No 16	Hand drilled	15G.W.S.131			Actlabs	4E-Expl
712	GS-15-055	7741041	2015	21	239756	6041073	NAD27	13K/06	Canico Anomaly No 16	Hand drilled	15G.W.S.107			GSNL; Bec.	ICP Majors and Traces; INAA
713	GS-15-056	7741042	2015	21	239827	6041131	NAD27	13K/06	Canico Anomaly No 16	Hand drilled	15G.W.S.105			GSNL; Bec.	ICP Majors and Traces; INAA
714	GS-15-057	7741043	2015	21	240839	6041585	NAD27	13K/07	Armstrong	Core	ML-AR-12	21.00	21.60	GSNL	ICP Majors and Traces
715	GS-15-058	7741581	2015	21	308482	6052954	NAD27	13J/12	Michelin	Grab	15G.W.S.139			Actlabs	4Litho
716	GS-15-059	7741582	2015	21	308911	6053231	NAD27	13J/12	Michelin	Grab	15G.W.S.140			Actlabs	4Litho
717	GS-15-061	7741044	2015	21	309283	6053422	NAD27	13J/12	Michelin	Grab	15G.W.S.142			GSNL	ICP Majors and Traces
718	GS-15-062	7741045	2015	21	309327	6053458	NAD27	13J/12	Michelin	Grab	15G.W.S.143			GSNL	ICP Majors and Traces
719	GS-15-063	7741046	2015	21	309335	6053624	NAD27	13J/12	Michelin	Grab	15G.W.S.145			GSNL	ICP Majors and Traces
720	GS-15-064	7741047	2015	21	309240	6053739	NAD27	13J/12	Michelin	Grab	15G.W.S.146			GSNL; Bec.	ICP Majors and Traces; INAA
721	GS-15-065	7741048	2015	21	309646	6053556	NAD27	13J/12	Michelin	Grab	15G.W.S.150			GSNL; Bec.	ICP Majors and Traces; INAA
722	GS-15-066	7741049	2015	21	309903	6053475	NAD27	13J/12	Michelin	Grab	15G.W.S.152			GSNL	ICP Majors and Traces
723	GS-15-067	7741583	2015	21	309313	6053066	NAD27	13J/12	Michelin	Grab	15G.W.S.153			Actlabs	4Litho
724	GS-15-068	7741051	2015	21	308503	6052548	NAD27	13J/12	Michelin	Grab	15G.W.S.154			GSNL	ICP Majors and Traces
725	GS-15-069	7741052	2015	21	308587	6052405	NAD27	13J/12	Michelin	Grab	15G.W.S.155			GSNL	ICP Majors and Traces
726	GS-15-070	7741053	2015	21	308950	6052462	NAD27	13J/12	Michelin	Grab	15G.W.S.158			GSNL	ICP Majors and Traces
727	GS-15-071	7741584	2015	21	308950	6052462	NAD27	13J/12	Michelin	Grab	15G.W.S.158			Actlabs	4Litho
728	GS-15-072	7741055	2015	21	309063	6052436	NAD27	13J/12	Michelin	Grab	15G.W.S.159			GSNL	ICP Majors and Traces
729	GS-15-073	7741056	2015	21	309481	6052207	NAD27	13J/12	Michelin	Grab	15G.W.S.160			GSNL	ICP Majors and Traces
730	GS-15-074	7741057	2015	21	309283	6051665	NAD27	13J/12	Michelin	Grab	15G.W.S.162			GSNL	ICP Majors and Traces
731	GS-15-075	7741058	2015	21	308229	6052025	NAD27	13J/12	Michelin	Grab	15G.W.S.163			GSNL; Bec.	ICP Majors and Traces; INAA
732	GS-15-076	7741059	2015	21	308003	6052224	NAD27	13J/12	Michelin	Grab	15G.W.S.164			GSNL	ICP Majors and Traces
733	GS-15-077	7741061	2015	21	307564	6052337	NAD27	13J/12	Michelin	Grab	15G.W.S.166			GSNL	ICP Majors and Traces
734	GS-15-078	7741062	2015	21	307373	6052044	NAD27	13J/12	Michelin	Grab	15G.W.S.167			GSNL; Bec.	ICP Majors and Traces; INAA
735	GS-15-079	7741585	2015	21	307450	6051423	NAD27	13J/12	Michelin	Grab	15G.W.S.169			Actlabs	4Litho
736	GS-15-080	7741586	2015	21	307450	6051423	NAD27	13J/12	Michelin	Grab	15G.W.S.169			Actlabs	4Litho
737	GS-15-082	7741063	2015	21	306950	6051031	NAD27	13J/12	Michelin	Grab	15G.W.S.171			GSNL	ICP Majors and Traces
738	GS-15-083	7741064	2015	21	306849	6050812	NAD27	13J/12	Michelin	Grab	15G.W.S.172			GSNL	ICP Majors and Traces
739	GS-15-084	7741065	2015	21	306621	6051108	NAD27	13J/12	Michelin	Grab	15G.W.S.173			GSNL	ICP Majors and Traces
740	GS-15-085	7741066	2015	21	306635	6051301	NAD27	13J/12	Michelin	Grab	15G.W.S.174			GSNL	ICP Majors and Traces
741	GS-15-086	7741067	2015	21	306493	6052568	NAD27	13J/12	Michelin	Grab	15G.W.S.176			GSNL	ICP Majors and Traces

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
742	GS-15-087	7741068	2015	21	306355	6052544	NAD27	13J/12	Michelin	Grab	15G.W.S.177			GSNL	ICP Majors and Traces
743	GS-15-088	7741587	2015	21	305999	6052257	NAD27	13K/09	Michelin	Grab	15G.W.S.179			Actlabs	4Litho
744	GS-15-089	7741588	2015	21	305999	6052257	NAD27	13K/09	Michelin	Grab	15G.W.S.179			Actlabs	4Litho
745	GS-15-090	7741069	2015	21	306001	6052200	NAD27	13K/09	Michelin	Grab	15G.W.S.181			GSNL	ICP Majors and Traces
746	GS-15-091	7741071	2015	21	306423	6051828	NAD27	13J/12	Michelin	Grab	15G.W.S.184			GSNL	ICP Majors and Traces
747	GS-15-092	7741072	2015	21	306226	6051615	NAD27	13J/12	Michelin	Grab	15G.W.S.185			GSNL	ICP Majors and Traces
748	GS-15-093	7741073	2015	21	306037	6051526	NAD27	13K/09	Michelin	Grab	15G.W.S.186			GSNL	ICP Majors and Traces
749	GS-15-094	7741074	2015	21	306021	6051440	NAD27	13K/09	Michelin	Grab	15G.W.S.187			GSNL	ICP Majors and Traces
750	GS-15-095	7741075	2015	21	305964	6051090	NAD27	13K/09	Michelin	Grab	15G.W.S.189			GSNL	ICP Majors and Traces
751	GS-15-096	7741076	2015	21	305878	6051877	NAD27	13K/09	Michelin	Grab	15G.W.S.192			GSNL	ICP Majors and Traces
752	GS-15-097	7741077	2015	21	303383	6054172	NAD27	13K/09	Michelin	Grab	15G.W.S.193			GSNL	ICP Majors and Traces
753	GS-15-098	7741078	2015	21	303520	6054582	NAD27	13K/09	Michelin	Grab	15G.W.S.194			GSNL	ICP Majors and Traces
754	GS-15-099	7741079	2015	21	304138	6054497	NAD27	13K/09	Michelin	Grab	15G.W.S.195			GSNL	ICP Majors and Traces
755	GS-15-100	7741081	2015	21	304034	6054279	NAD27	13K/09	Michelin	Grab	15G.W.S.196			GSNL	ICP Majors and Traces
756	GS-15-101	7741082	2015	21	304033	6054184	NAD27	13K/09	Michelin	Grab	15G.W.S.197			GSNL	ICP Majors and Traces
757	GS-15-102	7741083	2015	21	303921	6054017	NAD27	13K/09	Michelin	Grab	15G.W.S.198			GSNL	ICP Majors and Traces
758	GS-15-103	7741084	2015	21	304398	6053820	NAD27	13K/09	Michelin	Grab	15G.W.S.199			GSNL	ICP Majors and Traces
759	GS-15-104	7741085	2015	21	303749	6053686	NAD27	13K/09	Michelin	Grab	15G.W.S.201			GSNL	ICP Majors and Traces
760	GS-15-105	7741086	2015	21	304391	6053514	NAD27	13K/09	Michelin	Grab	15G.W.S.203			GSNL	ICP Majors and Traces
761	GS-15-106	7741087	2015	21	304767	6053433	NAD27	13K/09	Michelin	Grab	15G.W.S.204			GSNL	ICP Majors and Traces
762	GS-15-107	7741088	2015	21	305952	6052876	NAD27	13K/09	Michelin	Grab	15G.W.S.205			GSNL	ICP Majors and Traces
763	GS-15-108	7741089	2015	21	306116	6052663	NAD27	13K/09	Michelin	Grab	15G.W.S.206			GSNL	ICP Majors and Traces
764	GS-15-109	7741091	2015	21	306543	6052311	NAD27	13J/12	Michelin	Grab	15G.W.S.207			GSNL	ICP Majors and Traces
765	GS-15-111	7741092	2015	21	306514	6052332	NAD27	13J/12	Michelin	Grab	15G.W.S.208			GSNL	ICP Majors and Traces
766	GS-15-112	7741093	2015	21	308862	6055676	NAD27	13J/12	Michelin	Grab	15G.W.S.209			GSNL	ICP Majors and Traces
767	GS-15-114	7741094	2015	21	310101	6055135	NAD27	13J/12	Michelin	Grab	15G.W.S.211			GSNL	ICP Majors and Traces
768	GS-15-115	7741095	2015	21	310163	6055068	NAD27	13J/12	Michelin	Grab	15G.W.S.212			GSNL	ICP Majors and Traces
769	GS-15-117	7741096	2015	21	310331	6054662	NAD27	13J/12	Michelin	Grab	15G.W.S.219			GSNL	ICP Majors and Traces
770	GS-15-118	7741097	2015	21	310376	6054545	NAD27	13J/12	Michelin	Grab	15G.W.S.221			GSNL	ICP Majors and Traces
771	GS-15-119	7741589	2015	21	310314	6054615	NAD27	13J/12	Michelin	Grab	15G.W.S.222			Actlabs	4Litho
772	GS-15-121	7741591	2015	21	310097	6054138	NAD27	13J/12	Michelin	Grab	15G.W.S.224			Actlabs	4Litho
773	GS-15-122	7741592	2015	21	310373	6054086	NAD27	13J/12	Michelin	Grab	15G.W.S.225			Actlabs	4Litho
774	GS-15-123	7741099	2015	21	307973	6053028	NAD27	13J/12	Michelin	Grab	15G.W.S.137			GSNL	ICP Majors and Traces
775	GS-15-124	7741101	2015	21	307849	6062761	NAD27	13J/12	Melody Hill	Core	MH-79-18	25.65	26.30	GSNL	ICP Majors and Traces
776	GS-15-126	7741102	2015	21	307860	6062745	NAD27	13J/12	Melody Hill	Core	MH-79-19	4.55	5.00	GSNL	ICP Majors and Traces
777	GS-15-128	7741103	2015	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-12	17.25	17.75	GSNL	ICP Majors and Traces
778	GS-15-129	7741104	2015	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-12	36.85	37.45	GSNL	ICP Majors and Traces
779	GS-15-130	7741105	2015	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-12	57.20	57.75	GSNL	ICP Majors and Traces
780	GS-15-131	7741106	2015	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-12	72.97	73.52	GSNL	ICP Majors and Traces
781	GS-15-132	7741107	2015	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-12	111.00	114.10	GSNL	ICP Majors and Traces
782	GS-15-133	7741108	2015	21	333035	6066263	NAD27	13J/12	Jacques Lake	Core	JL-06-12	123.75	124.30	GSNL	ICP Majors and Traces
783	GS-15-135	7741109	2015	21	334645	6066588	NAD27	13J/12	Jacques Lake	Grab	15G.W.S.232			GSNL	ICP Majors and Traces
784	GS-15-136	7741111	2015	21	334435	6066582	NAD27	13J/12	Jacques Lake	Grab	15G.W.S.233			GSNL	ICP Majors and Traces
785	GS-15-138	7741112	2015	21	332781	6065787	NAD27	13J/12	Jacques Lake	Core	JL-07-63	10.97	11.40	GSNL	ICP Majors and Traces
786	GS-15-139	7741113	2015	21	332781	6065787	NAD27	13J/12	Jacques Lake	Core	JL-07-63	47.35	47.80	GSNL	ICP Majors and Traces
787	GS-15-141	7741593	2015	21	332781	6065787	NAD27	13J/12	Jacques Lake	Core	JL-07-63	116.40	116.80	Actlabs	4E-Expl
788	GS-15-142	7741594	2015	21	332781	6065787	NAD27	13J/12	Jacques Lake	Core	JL-07-63	194.60	195.15	Actlabs	4Litho
789	GS-15-143	7741114	2015	21	332781	6065787	NAD27	13J/12	Jacques Lake	Core	JL-07-63	195.20	195.70	GSNL	ICP Majors and Traces
790	GS-15-144	7741115	2015	21	332781	6065787	NAD27	13J/12	Jacques Lake	Core	JL-07-63	210.40	210.85	GSNL	ICP Majors and Traces
791	GS-15-145	7741595	2015	21	332781	6065787	NAD27	13J/12	Jacques Lake	Core	JL-07-63	213.40	213.90	Actlabs	4Litho
792	GS-15-147	7741116	2015	21	332781	6065787	NAD27	13J/12	Jacques Lake	Core	JL-07-63	245.20	245.65	GSNL	ICP Majors and Traces
793	GS-15-148	7741117	2015	21	332781	6065787	NAD27	13J/12	Jacques Lake	Core	JL-07-63	283.00	283.50	GSNL	ICP Majors and Traces
794	GS-15-149	7741118	2015	21	333061	6065773	NAD27	13J/12	Jacques Lake	Core	JL-08-80	13.50	14.00	GSNL	ICP Majors and Traces
795	GS-15-150	7741119	2015	21	333061	6065773	NAD27	13J/12	Jacques Lake	Core	JL-08-80	42.80	43.30	GSNL	ICP Majors and Traces
796	GS-15-151	7741121	2015	21	333061	6065773	NAD27	13J/12	Jacques Lake	Core	JL-08-80	152.25	152.75	GSNL	ICP Majors and Traces
797	GS-15-152	7741122	2015	21	325032	6057745	NAD27	13J/12	Emben/ Otter Lake	Core	WB-06-01	132.65	133.10	GSNL	ICP Majors and Traces
798	GS-15-153	7741123	2015	21	325032	6057745	NAD27	13J/12	Emben/ Otter Lake	Core	WB-06-01	70.70	71.20	GSNL	ICP Majors and Traces

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	SampleYear	UTMZone	UTMEast	UTMNorth	Datum	NTS_Map	Prospect Or Area	SampleType	DDH_StationID	FromDepthm	ToDepthm	Lab	Analysis
Unit															
Upper Detection Limit															
Lower Detection Limit															
799	GS-15-154	7741124	2015	21	325032	6057745	NAD27	13J/12	Emben/ Otter Lake	Core	WB-06-01	39.60	40.00	GSNL	ICP Majors and Traces
800	GS-15-155	7741125	2015	21	325032	6057745	NAD27	13J/12	Emben/ Otter Lake	Core	WB-06-01	29.00	29.60	GSNL	ICP Majors and Traces
801	GS-15-156	7741596	2015	21	325032	6057745	NAD27	13J/12	Emben/ Otter Lake	Core	WB-06-01	17.10	17.68	Actlabs	4E-Expl
802	GS-15-158	7741597	2015	21	246843	6044948	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.238			Actlabs	4E-Expl
803	GS-15-159	7741598	2015	21	246822	6044912	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.239			Actlabs	4E-Expl
804	GS-15-160	7741599	2015	21	246827	6044862	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.240			Actlabs	4E-Expl
805	GS-15-161	7741601	2015	21	246827	6044862	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.240			Actlabs	4E-Expl
806	GS-15-162	7741602	2015	21	247001	6045060	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.241			Actlabs	4E-Expl
807	GS-15-163	7741126	2015	21	247152	6045112	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.242			GSNL	ICP Majors and Traces
808	GS-15-164	7741127	2015	21	247307	6045420	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.245			GSNL	ICP Majors and Traces
809	GS-15-165	7741128	2015	21	247410	6045380	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.246			GSNL	ICP Majors and Traces
810	GS-15-166	7741603	2015	21	247411	6045360	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.247			Actlabs	4E-Expl
811	GS-15-167	7741129	2015	21	248030	6015018	NAD27	13K/02	Minisinakwa	Grab	15G.W.S.251			GSNL; Bec.	ICP Majors and Traces; INAA
812	GS-15-168	7741131	2015	21	247906	6015004	NAD27	13K/02	Minisinakwa	Grab	15G.W.S.252			GSNL; Bec.	ICP Majors and Traces; INAA
813	GS-15-169	7741132	2015	21	250378	6014896	NAD27	13K/02	Minisinakwa	Grab	15G.W.S.253			GSNL	ICP Majors and Traces
814	GS-15-170	7741133	2015	21	248543	6028921	NAD27	13K/07	Pearl Lake	Grab	15G.W.S.254			GSNL	ICP Majors and Traces
815	GS-15-171	7741134	2015	21	252527	6034681	NAD27	13K/07	Northeast of Bruce Lake	Grab	15G.W.S.255			GSNL	ICP Majors and Traces
816	GS-15-172	7741135	2015	21	255661	6038578	NAD27	13K/07	West of Selby Lake	Grab	15G.W.S.259			GSNL	ICP Majors and Traces
817	GS-15-173	7741136	2015	21	261844	6039670	NAD27	13K/07	Northeast of Selby Lake	Grab	15G.W.S.261			GSNL	ICP Majors and Traces
818	GS-15-174	7741604	2015	21	396415	6072363	NAD27	13J/15	Salmon Bight/ Anomaly B-22	Grab	15G.W.S.262			Actlabs	4Litho
819	GS-15-175	7741605	2015	21	396415	6072363	NAD27	13J/15	Salmon Bight/ Anomaly B-22	Grab	15G.W.S.262			Actlabs	4Litho
820	GS-15-176	7741606	2015	21	396415	6072363	NAD27	13J/15	Salmon Bight/ Anomaly B-22	Grab	15G.W.S.262			Actlabs	4Litho
821	GS-15-177	7741137	2015	21	396184	6072393	NAD27	13J/15	Salmon Bight/ Anomaly B-22	Grab	15G.W.S.263			GSNL	ICP Majors and Traces
822	GS-15-178	7741138	2015	21	396090	6072344	NAD27	13J/15	Salmon Bight/ Anomaly B-22	Grab	15G.W.S.264			GSNL; Bec.	ICP Majors and Traces; INAA
823	GS-15-180	7741607	2015	21	394310	6070874	NAD27	13J/15	Priority One	Grab	15G.W.S.265			Actlabs	4E-Expl
824	GS-15-181	7741608	2015	21	394379	6070945	NAD27	13J/15	Priority One	Grab	15G.W.S.266			Actlabs	4Litho
825	GS-15-182	7741609	2015	21	394421	6070987	NAD27	13J/15	Priority One	Grab	15G.W.S.267			Actlabs	4Litho
826	GS-15-183	7741139	2015	21	394356	6071009	NAD27	13J/15	Priority One	Grab	15G.W.S.268			GSNL	ICP Majors and Traces
827	GS-15-184	7741141	2015	21	393397	6070316	NAD27	13J/15	Powe	Grab	15G.W.S.269			GSNL	ICP Majors and Traces
828	GS-15-186	7741611	2015	21	393624	6069672	NAD27	13J/15	Harbinger	Grab	15G.W.S.272			Actlabs	4E-Expl
829	GS-15-188	7741612	2015	21	392474	6066433	NAD27	13J/10	NB	Grab	15G.W.S.274			Actlabs	4Litho
830	GS-15-190	7741142	2015	21	417494	6057553	NAD27	13J/09	Benedict Mt. #1	Grab	15G.W.S.275			GSNL	ICP Majors and Traces
831	GS-15-191	7741143	2015	21	426645	6058467	NAD27	13J/09	Benedict Mt. #2	Grab	15G.W.S.277			GSNL	ICP Majors and Traces
832	GS-15-192	7741613	2015	21	304312	6055726	NAD27	13K/09	Ribs Lake	Grab	15G.W.S.277			Actlabs	4Litho
833	GS-15-193	7741614	2015	21	307724	6062760	NAD27	13J/12	Melody Hill	Grab	15G.W.S.279			Actlabs	4Litho
834	GS-15-195	7741615	2015	21	315409	6055652	NAD27	13J/12	Mustang Lake	Core	ML-08-08	19.25	19.75	Actlabs	4E-Expl
835	GS-15-196	7741144	2015	21	315409	6055652	NAD27	13J/12	Mustang Lake	Core	ML-08-08	31.80	32.30	GSNL	ICP Majors and Traces
836	GS-15-197	7741145	2015	21	315409	6055652	NAD27	13J/12	Mustang Lake	Core	ML-08-08	44.05	44.50	GSNL	ICP Majors and Traces
837	GS-15-198	7741146	2015	21	315409	6055652	NAD27	13J/12	Mustang Lake	Core	ML-08-08	177.00	177.50	GSNL	ICP Majors and Traces
838	GS-15-199	7741147	2015	21	237072	6039516	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.282			GSNL; Bec.	ICP Majors and Traces; INAA
839	GS-15-200	7741148	2015	21	237227	6039573	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.283			GSNL; Bec.	ICP Majors and Traces; INAA
840	GS-15-201	7741149	2015	21	236982	6039746	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.284			GSNL; Bec.	ICP Majors and Traces; INAA
841	GS-15-202	7741151	2015	21	238420	6039775	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.285			GSNL; Bec.	ICP Majors and Traces; INAA
842	GS-15-203	7741616	2015	21	238392	6039814	NAD27	13K/06	Canico Anomaly No 16	Grab	15G.W.S.286			Actlabs	4E-Expl
843	GS-15-204	7741152	2015	21	246975	6044365	NAD27	13K/07	Moran Lake B Zone	Grab	15G.W.S.288			GSNL	ICP Majors and Traces
844	MG-15-011	7741617	2015	21	243789	6043592	NAD27	13K/07	Moran Lake Upper C Zone	Core	ML-32	33.08	33.2	Actlabs	4E-Expl
845	MG-15-015	7741618	2015	21	242720	6042945	NAD27	13K/07	Poz Pond	Core	ML-A1-54	173.7	174.2	Actlabs	4E-Expl
846	MG-15-018	7741619	2015	21	242720	6042945	NAD27	13K/07	Poz Pond	Core	ML-A1-54	140.8	141.35	Actlabs	4E-Expl
847	MG-15-019	7741621	2015	21	242720	6042945	NAD27	13K/07	Poz Pond	Core	ML-A1-54	136.2	136.65	Actlabs	4E-Expl
848	MG-15-020	7741622	2015	21	242720	6042945	NAD27	13K/07	Poz Pond	Core	ML-A1-54	117.2	117.55	Actlabs	4E-Expl
849	MG-15-023	7741623	2015	21	241517	6042757	NAD27	13K/07	Trout Pond	Core	ML-A1-21	27.48	27.73	Actlabs	4E-Expl
850	MG-15-025	7741624	2015	21	241517	6042757	NAD27	13K/07	Trout Pond	Core	ML-A1-21	32.85	33	Actlabs	4E-Expl
851	MG-15-027	7741625	2015	21	241517	6042757	NAD27	13K/07	Trout Pond	Core	ML-A1-21	40	40.5	Actlabs	4E-Expl
852	MG-15-028	7741626	2015	21	241517	6042757	NAD27	13K/07	Trout Pond	Core	ML-A1-21	49.15	49.6	Actlabs	4E-Expl
853	MG-15-030	7741627	2015	21	240839	6041585	NAD27	13K/07	Armstrong	Core	ML-AR-12	179.5	180	Actlabs	4E-Expl
854	MG-15-032	7741628	2015	21	240839	6041585	NAD27	13K/07	Armstrong	Core	ML-AR-12	169.83	170.43	Actlabs	4E-Expl

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
1	GS-07-001	7740001	Quartz phyric crystal tuff	Aillik	Felsic tuff	Volcanic	76.55	10.88	2.62	-99
2	GS-07-002	7741178	Pale grey altered tuff marginal to dyke	Aillik	Felsic tuff	Volcanic	-99	-99	-99	-99
3	GS-07-003	7741179	Pale grey altered tuff adjacent to dyke	Aillik	Felsic tuff	Volcanic	-99	-99	-99	-99
4	GS-07-004	7741181	Fine-grained mafic dyke intruding tuff with mineralization developed marginal to dyke	Aillik	Mafic dyke	Dyke	47.00	16.64	9.58	-99
5	GS-07-005	7741182	Mineralized fracture zone in tuff containing trace Py, Cpy, Mo and anomalous radioactivity	Aillik	Felsic tuff	Volcanic	-99	-99	-99	-99
6	GS-07-006	7741183	Mineralized fracture zone in tuff containing trace Py, Cpy, Mo and anomalous radioactivity	Aillik	Felsic tuff	Volcanic	-99	-99	-99	-99
7	GS-07-008	7740158	Quartz phyric crystal tuff	Aillik	Felsic tuff	Volcanic	74.45	11.17	3.17	2.31
8	GS-07-010	7740002	Quartz phyric crystal tuff	Aillik	Felsic tuff	Volcanic	73.93	11.34	3.28	2.29
9	GS-07-011	7740159	Pale pink altered tuff marginal to mineralized zone	Aillik	Felsic tuff	Volcanic	75.12	11.88	3.05	1.62
10	GS-07-012	7741184	Transition into grey-green altered tuff adjacent to hematized zone	Aillik	Felsic tuff	Volcanic	75.46	11.12	3.38	-99
11	GS-07-013	7741185	Mineralized zone developed marginal to mafic dyke; hematized fractures with up to 245 cps	Aillik	Felsic tuff	Volcanic	64.89	17.66	5.24	-99
12	GS-07-014	7741186	Fine-grained mafic dyke	Aillik	Mafic dyke	Dyke	-99	-99	-99	-99
13	GS-07-015	7741187	Hematitized mafic dyke	Aillik	Mafic dyke	Dyke	-99	-99	-99	-99
14	GS-07-016	7741188	Hematized mafic dyke with up to 500 cps	Aillik	Mafic dyke	Dyke	-99	-99	-99	-99
15	GS-07-018	7740003	Fine-grained mafic dyke	Aillik	Mafic dyke	Dyke	51.65	13.72	14.36	3.02
16	GS-07-020	7740161	Crystal tuff	Aillik	Felsic tuff	Volcanic	75.33	10.86	3.44	2.00
17	GS-07-021	7740004	Plagioclase-phyric mafic dyke	Aillik	Mafic dyke	Dyke	46.24	16.47	14.55	2.98
18	GS-07-022	7740162	Fine-grained mafic dyke	Aillik	Mafic dyke	Dyke	46.06	14.53	16.99	3.62
19	GS-07-024	7740005	Relatively unaltered crystal tuff	Aillik	Felsic tuff	Volcanic	76.03	11.54	3.36	1.94
20	GS-07-025	7740006	Fine-grained diorite dyke	Undefined	Mafic dyke	Dyke	51.70	16.70	9.73	2.72
21	GS-07-027	7740007	Foliated, fine-grained mafic dyke	Aillik	Mafic dyke	Dyke	46.26	13.49	18.05	8.64
22	GS-07-028	7740008	Relatively undeformed, fine-grained mafic dyke	Aillik	Mafic dyke	Dyke	56.49	16.03	8.14	1.51
23	GS-07-029	7740069	Crystal tuff	Aillik	Felsic tuff	Volcanic	75.31	11.53	3.35	1.83
24	GS-07-030	7740009	Plagioclase-phyric mafic dyke	Aillik	Mafic dyke	Dyke	49.99	17.20	10.08	1.50
25	GS-07-032	7741189	Crystal tuff	Aillik	Felsic tuff	Volcanic	-99	-99	-99	-99
26	GS-07-034	7740163	Crystal tuff	Aillik	Felsic tuff	Volcanic	73.62	11.16	3.19	1.83
27	GS-07-037	7740071	Fine-grained mafic dyke	Aillik	Mafic dyke	Dyke	48.66	12.83	15.30	7.75
28	GS-07-039	7740072	Fine-grained, grey-green, weakly magnetic mafic dyke	Aillik	Mafic dyke	Dyke	50.28	13.39	14.03	6.33
29	GS-07-040	7741191	Strongly magnetic, massive hematitic alteration; zone contains up to 1880 cps	Aillik	Mafic dyke (??)	Alteration	62.72	15.70	7.79	-99
30	GS-07-041	7741192	Fine-grained mafic dyke	Aillik	Mafic dyke	Dyke	46.03	13.62	14.68	-99
31	GS-07-043	7741193	Strongly magnetic, massive hematitic alteration; zone contains up to 420 cps	Aillik	Mafic dyke	Dyke	49.72	12.94	16.35	-99
32	GS-07-044	7740164	Fine-grained diorite dyke	Aillik	Mafic dyke	Dyke	55.41	15.77	7.78	1.42
33	GS-07-047	7740011	Unmineralized granodiorite-tonalite	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	60.50	16.86	5.38	1.94
34	GS-07-048	7741194	Hematite altered granodiorite-tonalite, with up to 300 cps; moderate fracturing	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	54.03	15.83	5.67	-99
35	GS-07-050	7741195	Hematite altered granodiorite-tonalite with minor carbonate veining	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	-99	-99	-99	-99
36	GS-07-051	7741196	Unmineralized granodiorite-tonalite	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	59.89	15.79	5.47	-99
37	GS-07-052	7740012	Unmineralized granodiorite-tonalite	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	53.74	16.59	6.33	2.53
38	GS-07-053	7741197	Chlorite-rich breccia	Kanairiktok Intrusive Suite	Chlorite breccia	Alteration	-99	-99	-99	-99
39	GS-07-055	7740165	Hematite-chlorite-rich breccia	Kanairiktok Intrusive Suite	Chlorite breccia	Alteration	56.36	17.46	2.11	0.79
40	GS-07-056	7741198	Fine-grained mafic dyke with weak carbonate alteration	Undefined	Mafic dyke	Dyke	45.89	18.31	9.95	-99
41	GS-07-057	7741199	Hematized breccia with up to 300 cps	Kanairiktok Intrusive Suite	Hematite breccia	Alteration	-99	-99	-99	-99
42	GS-07-061	7740166	Unmineralized granodiorite-tonalite unit	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	60.81	16.54	5.68	2.33
43	GS-07-062	7741201	Granodiorite-tonalite with weak hematite alteration; rare hematized fractures with trace pyrite	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	49.63	16.13	5.61	-99
44	GS-07-063	7741202	Chlorite altered granodiorite-tonalite	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	-99	-99	-99	-99
45	GS-07-065	7741203	Uraniferous hematitic alteration	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	-99	-99	-99	-99
46	GS-07-066	7741204	Hematized and fractured granodiorite-tonalite with up to 310 cps	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	-99	-99	-99	-99
47	GS-07-067	7740167	Unmineralized granodiorite-tonalite	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	61.22	16.10	5.90	2.58
48	GS-07-070	7741205	Chloritic alteration with up to 230 cps	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	-99	-99	-99	-99
49	GS-07-071	7741206	Metasediment with up to 260 cps	Aillik	Metasediment	Sedimentary	54.80	14.52	11.92	-99
50	GS-07-072	7740168	Fine-grained mafic dyke	Aillik	Mafic dyke	Dyke	52.63	16.28	8.60	2.03
51	GS-07-075	7740169	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	36.54	16.58	13.74	2.21
52	GS-07-076	7740171	Chlorite-rich breccia in granodiorite-tonalite	Kanairiktok Intrusive Suite	Chlorite breccia	Alteration	64.87	16.82	2.38	0.48
53	GS-07-077	7740172	Felsic portion of Maggo gneiss	Archean	Gneiss	Metamorphic	72.70	14.81	0.58	0.40
54	GS-07-078	7740173	Mafic portion of Maggo gneiss	Archean	Gneiss	Metamorphic	66.84	16.22	1.99	0.92
55	GS-07-079	7741207	Unmineralized hematite-rich breccia	Kanairiktok Intrusive Suite	Hematite breccia	Alteration	-99	-99	-99	-99
56	GS-07-080	7741208	Chlorite-rich breccia	Kanairiktok Intrusive Suite	Chlorite breccia	Alteration	-99	-99	-99	-99
57	GS-07-081	7741209	Chloritic cataclastic brecciation with weak hematite alteration	Kanairiktok Intrusive Suite	Hematite breccia	Alteration	-99	-99	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
58	GS-07-087	7741211	Mineralized cataclastic breccia with moderate hematite alteration	Kanairiktok Intrusive Suite	Hematite breccia	Alteration	-99	-99	-99	-99
59	GS-07-089	7741212	Mineralized cataclastic breccia with strong hematite alteration	Kanairiktok Intrusive Suite	Hematite breccia	Alteration	63.64	16.73	3.13	-99
60	GS-07-090	7740013	Fine-grained mafic dyke with weak fracture-hosted hematite alteration	Undefined	Mafic dyke	Dyke	41.63	5.55	16.62	9.91
61	GS-07-091	7740014	Post-alteration, fine-grained mafic dyke (612742-43)	Undefined	Mafic dyke	Dyke	47.54	15.18	12.20	3.41
62	GS-07-092	7741213	Pervasive hematite-carbonate alteration	Kanairiktok Intrusive Suite	Granodiorite	Alteration	65.33	13.96	2.29	-99
63	GS-07-093	7740174	Maggo gneiss	Archean	Gneiss	Metamorphic	65.68	16.29	2.25	0.67
64	GS-07-094	7740015	Feldspar-rich pegmatite	Undefined	Pegmatite	Plutonic	73.31	16.21	0.19	-99
65	GS-07-095	7741214	Unmineralized cataclastic breccia with moderate hematite alteration	Kanairiktok Intrusive Suite	Hematite breccia	Alteration	-99	-99	-99	-99
66	GS-07-096	7741215	Pervasive hematite-carbonate alteration with up to 1860 cps	Kanairiktok Intrusive Suite	Hematite breccia	Alteration	-99	-99	-99	-99
67	GS-07-098	7740016	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	36.51	17.51	18.22	7.90
68	GS-07-100	7741216	Vuggy textured granodiorite-tonalite	Kanairiktok Intrusive Suite	Granodiorite	Alteration	-99	-99	-99	-99
69	GS-07-101	7740017	Pale pink, fine-grained plutonic rock	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	72.57	15.35	0.60	0.09
70	GS-07-102	7740175	Post-alteration, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	51.85	13.63	8.48	2.55
71	GS-07-103	7741217	Mineralized cataclastic breccia with moderate hematite alteration with up to 525 cps	Kanairiktok Intrusive Suite	Hematite breccia	Alteration	55.67	16.80	2.68	-99
72	GS-07-104	7740018	Pale pink, fine-grained plutonic rock	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	72.13	15.05	0.81	0.18
73	GS-07-105	7740019	Carbonate altered mafic dyke with weak, fracture-hosted hematite alteration	Undefined	Mafic dyke	Dyke	35.51	4.18	14.01	9.44
74	GS-07-108	7740176	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	40.22	14.75	13.17	5.82
75	GS-07-109	7740021	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	43.99	15.36	14.28	4.49
76	GS-07-110	7740177	Fine-grained granite overprinted by weak, darkpurple, hematite-rich brecciation	Undefined	Hematite breccia	Alteration	75.11	12.56	0.87	0.57
77	GS-07-112	7741218	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	39.22	17.26	13.80	-99
78	GS-07-113	7740022	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	55.12	17.53	8.49	2.32
79	GS-07-114	7741219	Fracture-hosted uranium mineralization in sandstone	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
80	GS-07-115	7741221	Uraniferious boulder of crystal tuff containing fracture-hosted magnetite	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
81	GS-07-116	7741222	Unaltered intemediate dyke	Undefined	Intermed. intrusive	Plutonic	59.19	16.29	7.51	-99
82	GS-07-117	7741223	Hematized, uraniferous intermediate volcanic	Aillik	Intermed. volcanic	Volcanic	56.31	16.41	4.29	-99
83	GS-07-118	7740023	Porphyritic intermediate volcanic	Aillik	Intermed. volcanic	Volcanic	58.92	15.94	9.25	3.95
84	GS-07-120	7740024	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	46.58	15.61	13.39	3.88
85	GS-07-121	7741224	Medium-grained dioritic dyke; dyke crosscuts hematitic alteration. Up to 400 cps @ contact with dyke and <140 cps in	Undefined	Diorite	Plutonic	50.71	15.95	9.28	-99
86	GS-07-122	7741225	Fine-grained, porphyritc mafic material with up to 8000 cps	Undefined	Intermed. intrusive	Plutonic	-99	-99	-99	-99
87	GS-07-123	7740025	Fine-grained intermediate dyke	Undefined	Intermed. intrusive	Plutonic	50.80	16.23	10.40	3.95
88	GS-07-124	7741226	Hematite altered porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	76.05	11.21	2.99	-99
89	GS-07-125	7741227	Relatively unaltered porphyritic felsic metavolcanic, with localized uranophane staining along fractures	Aillik	Felsic volcanic	Volcanic	76.67	11.39	2.99	-99
90	GS-07-126	7741228	Poorly sorted pebble conglomerate hosting uranium mineralization	Bruce River	Conglomerate	Sedimentary	78.23	12.29	1.73	-99
91	GS-07-128	7741229	Sheared pebble conglomerate containing localized rusty gossan zones	Bruce River	Conglomerate	Sedimentary	-99	-99	-99	-99
92	GS-07-129	7741231	Fracture-hosted uranium mineralization within felsic metavolcanic	Bruce River	Felsic volcanic	Volcanic	67.43	13.65	2.50	-99
93	GS-07-130	7741232	Sheared pebble conglomerate containing localized uranium mineralization	Bruce River	Conglomerate	Sedimentary	-99	-99	-99	-99
94	GS-07-131	7741233	Patchy pyritic alteration within pebbly congolomerate	Bruce River	Conglomerate	Sedimentary	-99	-99	-99	-99
95	GS-07-132	7740026	Metabasalt	Post Hill	Basalt	Volcanic	45.90	15.10	17.12	2.30
96	GS-07-134	7741234	Metasediment containing up to 770 cps	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
97	GS-07-136	7741235	Felsic metavolcanic containing localized copper staining and flourite along foliation planes	Bruce River	Felsic volcanic	Volcanic	-99	-99	-99	-99
98	GS-07-138	7741236	Foliated felsic metavolcanic containing elevated radioactivity	Bruce River	Felsic volcanic	Volcanic	-99	-99	-99	-99
99	GS-07-139	7741237	Quartz-phyric metavolcanic hosting elevated radioactivity	Bruce River	Felsic volcanic	Volcanic	79.47	6.65	3.31	-99
100	GS-07-140	7741238	Fine-grained granite	Undefined	Granite	Plutonic	-99	-99	-99	-99
101	GS-07-141	7741239	Hematized granodiorite	Undefined	Granodiorite	Plutonic	64.61	16.05	4.32	-99
102	GS-07-142	7741241	Biotite-bearing, quartz-rich pegmatitic dyke	Undefined	Pegmatite	Plutonic	-99	-99	-99	-99
103	GS-07-144	7741242	Biotite-bearing, quartz-rich pegmatitic dyke	Undefined	Pegmatite	Plutonic	-99	-99	-99	-99
104	GS-07-146	7741243	Biotite-rich shear zone hosting anomalous radioactivity	Undefined	Pegmatite	Plutonic	-99	-99	-99	-99
105	GS-07-147	7740073	Quartz-rich pegmatite	Undefined	Pegmatite	Plutonic	71.75	14.84	0.09	-99
106	GS-07-148	7740074	K-feldspar-rich pegmatite	Undefined	Pegmatite	Plutonic	76.41	14.26	0.03	-99
107	GS-07-149	7741244	Quartz-rich pegmatite hosting anomalous radioactivity	Undefined	Pegmatite	Plutonic	-99	-99	-99	-99
108	GS-07-150	7741245	Quartz-rich pegmatite with up to 325 cps	Undefined	Pegmatite	Plutonic	-99	-99	-99	-99
109	GS-07-151	7740027	Relatively unaltered, medium-grained granite	Undefined	Granite	Plutonic	65.57	16.17	5.86	4.65
110	GS-07-152	7741246	Magnetite-chlorite alteration	Undefined	Granite	Alteration	-99	-99	-99	-99
111	GS-07-153	7741247	Hematite-chlorite altered granite	Undefined	Granite	Plutonic	-99	-99	-99	-99
112	GS-07-154	7741248	Hematitic alteration hosting anomalous radioactivity	Undefined	Hematite alteration	Alteration	54.13	14.73	13.42	-99
113	GS-07-157	7741249	Pyrite-rich argillite hosting elevated radioactivity	Post Hill	Argillite	Sedimentary	46.82	14.59	15.85	-99
114	GS-07-159	7740028	Medium-grained gabbro; Kitts Metagabbro	Post Hill	Metagabbro	Plutonic	50.43	15.56	6.43	0.68

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ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
115	GS-07-161	7740029	Metabasalt	Post Hill	Basalt	Volcanic	51.76	13.18	14.87	1.91
116	GS-07-162	7740031	Diorite dyke	Post Hill	Diorite	Plutonic	54.28	14.48	8.91	1.10
117	GS-07-163	7740032	Diorite dyke	Post Hill	Diorite	Plutonic	53.95	15.87	7.38	1.00
118	GS-07-164	7740033	Diorite dyke	Post Hill	Diorite	Plutonic	52.17	18.06	6.40	1.16
119	GS-07-167	7740034	Medium-grained gabbro; Kitts Metagabbro	Post Hill	Metagabbro	Plutonic	49.14	14.21	10.39	0.98
120	GS-07-170	7740067	Diorite dyke; dated at 1662 ± 4 Ma	Post Hill	Diorite	Plutonic	54.60	15.38	8.50	1.85
121	GS-07-171	7740035	Quartz-feldspar porphyry dyke	Post Hill	QFP	Plutonic	75.17	11.71	1.59	0.01
122	GS-07-172	7740075	Relatively unaltered granodiorite	Undefined	Granodiorite	Plutonic	62.76	16.02	5.35	2.46
123	GS-07-173	7740076	Hematized granodiorite	Undefined	Granodiorite	Plutonic	59.66	17.91	6.06	2.61
124	GS-07-174A	7740036	Post-mineralization, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	41.41	13.81	15.53	7.84
125	GS-07-175	7741251	Hematized pegmatite hosting uranium mineralization	Undefined	Pegmatite	Alteration	-99	-99	-99	-99
126	GS-07-176	7740077	Relatively unaltered pegmatite	Undefined	Pegmatite	Plutonic	75.00	13.81	0.78	0.63
127	GS-07-177	7740178	Unaltered granodiorite	Undefined	Granodiorite	Plutonic	61.68	16.32	5.29	2.35
128	GS-07-178	7741252	Hematized pegmatite hosting uranium mineralization	Undefined	Pegmatite	Alteration	-99	-99	-99	-99
129	GS-07-179	7740037	Relatively unaltered pegmatite	Undefined	Pegmatite	Plutonic	79.55	12.35	0.33	0.08
130	GS-07-180	7741253	Hematized pegmatite hosting uranium mineralization	Undefined	Pegmatite	Alteration	-99	-99	-99	-99
131	GS-07-181	7740179	Unaltered granodiorite	Undefined	Granodiorite	Plutonic	63.65	16.67	4.10	0.86
132	GS-07-182	7740038	Relatively unaltered pegmatite	Undefined	Pegmatite	Plutonic	71.31	15.13	0.91	0.46
133	GS-07-183	7741254	Hematized granodiorite hosting up to 650 cps	Undefined	Granodiorite	Alteration	-99	-99	-99	-99
134	GS-07-186	7740039	Unaltered granodiorite	Undefined	Granodiorite	Plutonic	62.27	16.27	5.59	1.32
135	GS-07-187	7740041	Unaltered pegmatite	Undefined	Pegmatite	Plutonic	69.74	16.16	0.31	0.07
136	GS-07-188	7740042	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	42.67	13.52	15.39	5.29
137	GS-07-190	7741255	Hematized pegmatite	Undefined	Pegmatite	Alteration	-99	-99	-99	-99
138	GS-07-193	7740078	Pegmatite hosting anomalous radioactivity	Undefined	Pegmatite	Plutonic	80.67	10.70	0.63	0.39
139	GS-07-194	7741256	Hematized granodiorite	Undefined	Granodiorite	Plutonic	-99	-99	-99	-99
140	GS-07-195	7740079	Quartz-rich pegmatite	Undefined	Pegmatite	Plutonic	82.28	9.37	0.75	0.27
141	GS-07-196	7741257	Hematized granodiorite with up to 1200 cps	Undefined	Granodiorite	Plutonic	-99	-99	-99	-99
142	GS-07-197	7740043	Metabasalt	Post Hill	Basalt	Volcanic	50.48	13.54	13.60	1.27
143	GS-07-198	7740044	Metabasalt	Post Hill	Basalt	Volcanic	51.17	13.23	15.36	2.08
144	GS-07-199	7740045	Metabasalt	Post Hill	Basalt	Volcanic	52.14	15.01	17.62	0.91
145	GS-07-204	7740046	Quartz-feldspar porphyry	Post Hill	QFP	Plutonic	49.89	15.62	4.21	0.41
146	GS-07-206	7741258	Hematitic hydrothermal breccia	Moran Lake	Breccia	Alteration	30.09	8.60	7.71	-99
147	GS-07-212	7741259	Hematized chert with up to 1000 cps	Moran Lake	Chert	Sedimentary	82.58	0.44	5.90	-99
148	GS-07-213	7740047	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	52.87	14.94	9.14	2.99
149	GS-07-214	7740048	Felsic dyke	Undefined	Felsic dyke	Dyke	75.67	11.64	2.58	1.24
150	GS-07-215	7740049	Intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	55.60	16.68	6.65	5.03
151	GS-07-216	7740051	Strongly foliated intermediate volcanic	Aillik	Intermed. volcanic	Volcanic	62.72	14.82	5.57	3.17
152	GS-07-218	7740182	Fine-grained, post-mineral dyke	Undefined	Mafic dyke	Dyke	50.34	14.32	8.84	2.37
153	GS-07-220	7740052	Unmineralized intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	55.94	15.44	9.44	5.03
154	GS-07-221	7741261	Hematized intermediate metavolcanic hosting uranium mineralization	Aillik	Intermed. volcanic	Volcanic	61.91	15.77	6.65	-99
155	GS-07-222	7740183	Fine-grained, post-mineral dyke	Undefined	Mafic dyke	Dyke	45.63	16.03	11.84	3.92
156	GS-07-225	7740068	Quartz-feldspar porphyry dyke; dated at 1801 ± 0.9 Ma	Undefined	Complex dyke	Dyke	70.86	13.80	2.61	0.71
157	GS-07-226	7740184	Quartz-feldspar porphyry dyke	Undefined	Complex dyke	Dyke	63.05	17.65	2.49	1.35
158	GS-07-227	7741262	Chloritite altered intermediate volcanic	Aillik	Intermed. volcanic	Volcanic	50.38	14.25	10.87	-99
159	GS-07-229	7741263	Intermediate metavolcanic hosting network-style biotite-actinolite fracturing	Aillik	Intermed. volcanic	Volcanic	-99	-99	-99	-99
160	GS-07-230	7740053	Feldspar-porphyry	Aillik	Felsic dyke	Volcanic	65.13	18.37	2.86	1.81
161	GS-07-231	7740054	Quartz-K-feldpspar granite	Undefined	Granite	Plutonic	57.36	17.66	6.68	2.77
162	GS-07-232	7740055	K-feldpsar-quartz-biotite-bearing granite	Undefined	Granite	Plutonic	72.53	12.67	3.09	1.24
163	GS-07-233	7740185	Plagioclase-phyric, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	51.57	14.82	10.19	3.24
164	GS-07-234	7740056	Weakly porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.85	12.57	3.19	1.33
165	GS-07-235	7740057	Weakly porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.55	12.27	2.74	1.16
166	GS-07-238	7740058	Quartz-feldspar porphyry	Aillik	Complex dyke	Dyke	68.17	13.42	4.98	2.47
167	GS-07-239	7740186	Foliated fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	45.19	14.30	16.12	3.33
168	GS-07-240	7740059	Coarsely porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	72.70	12.41	3.57	1.93
169	GS-07-241	7740061	Weakly porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	74.77	12.28	2.51	1.23
170	GS-07-242	7741264	Weakly hematized metavolcanic	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
171	GS-07-244	7740187	Weakly porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.88	12.63	3.08	1.57

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Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
172	GS-07-245	7740188	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	45.00	15.38	15.17	3.81
173	GS-07-247	7740189	Magnetite-bearing mafic dyke	Undefined	Mafic dyke	Dyke	50.69	14.59	11.56	3.48
174	GS-07-248	7740062	Weakly porphyritic felsic metarhyolite	Aillik	Porph. dyke	Dyke	73.69	12.80	3.28	1.74
175	GS-07-249	7740063	Quartz-feldspar porphyry	Aillik	Complex dyke	Dyke	69.32	13.23	4.82	2.50
176	GS-07-251	7740064	Coarsely porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	66.55	16.11	3.65	1.03
177	GS-07-252	7740065	Weakly porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	73.26	12.50	3.13	2.00
178	GS-07-254	7740066	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	53.71	16.28	9.93	2.56
179	GS-07-255	7741265	Hematized coarsely porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	65.50	16.53	3.13	-99
180	GS-07-256	7741266	Uraniferous metasedimentary rock	Post Hill	Metasediment	Volcanic	43.60	12.06	12.97	-99
181	GS-07-257	7741267	Pegmatite with up to 1500 cps	Undefined	Pegmatite	Plutonic	-99	-99	-99	-99
182	GS-07-259	7741268	Amphibolite	Undefined	Amphibolite	Plutonic	-99	-99	-99	-99
183	GS-07-260	7741269	Biotite-bearing intrusive with up to 225 cps	Undefined	Pegmatite	Plutonic	-99	-99	-99	-99
184	GS-07-261	7740081	Quartz-rich pegmatite with wispy mm-scale biotite-filled fractures	Undefined	Pegmatite	Plutonic	74.65	13.13	1.19	0.17
185	GS-07-262	7741271	Unmineralized fine-grained granodiorite; weak to moderately magnetic; background ~200-225 cps	Undefined	Granodiorite	Plutonic	64.66	15.09	5.65	-99
186	GS-07-263	7741272	Mineralized fine-grained granodiorite; moderately to strongly magnetic with strong hematite alteration	Undefined	Granodiorite	Plutonic	55.74	13.62	13.38	-99
187	GS-07-263B	7741629	Mineralized fine-grained granodiorite containing 4-5 cm wide quartz vein	Undefined	Granodiorite	Plutonic	68.83	10.57	10.91	-99
188	GS-07-268	7741273	Pebble conglomerate locally containing up to 325 cps	Seal Lake	Conglomerate	Sedimentary	-99	-99	-99	-99
189	GS-07-269	7741274	Mica-rich quartz-pebble conglomerate; locally with up to 400 cps	Seal Lake	Conglomerate	Sedimentary	-99	-99	-99	-99
190	GS-07-270	7741275	Quartz veins in pebble conglomerate containing specularite	Seal Lake	Conglomerate	Sedimentary	-99	-99	-99	-99
191	GS-07-271	7741276	Quartz vein locally containing elevated radioactivity	Undefined	Vein	Vein	-99	-99	-99	-99
192	GS-07-272	7741277	Hematized/iron-carbonate altered basalt containing elevated radioactivity	Moran Lake	Fe-carb./hem. alt.	Alteration	43.56	10.61	13.25	-99
193	GS-07-273	7741278	Mineralized iron formation containing up to 1500 cps with fracture	Moran Lake	Fe-formation	Sedimentary	-99	-99	-99	-99
194	GS-08-003	7741293	Hematitic/iron carbonate alteration hosting anomalous radioactivity	Moran Lake	Fe-carb./hem. alt.	Alteration	34.10	9.93	10.39	-99
195	GS-08-005	7741294	Hematitic/iron carbonate alteration with up to 850 cps	Moran Lake	Fe-carb./hem. alt.	Alteration	-99	-99	-99	-99
196	GS-08-007	7740082	Feldspar-porphyry	Undefined	QFP	Plutonic	61.53	16.50	3.84	-99
197	GS-08-008	7740083	Feldspar-porphyry	Undefined	QFP	Plutonic	61.71	16.53	4.13	-99
198	GS-08-011	7741295	Hematitic/iron carbonate alteration with up to 200 cps	Moran Lake	Fe-carb./hem. alt.	Alteration	-99	-99	-99	-99
199	GS-08-016	7740084	Metabasalt	Moran Lake	Basalt	Volcanic	45.04	11.66	18.39	2.29
200	GS-08-017	7740085	Metabasalt	Post Hill	Basalt	Volcanic	51.16	13.54	15.45	2.31
201	GS-08-019	7741296	Argillite	Post Hill	Argillite	Sedimentary	52.58	14.43	14.46	-99
202	GS-08-021	7741297	Metabasalt	Post Hill	Basalt	Volcanic	51.63	13.80	15.22	-99
203	GS-08-022	7741298	Mineralized mafic metavolcanic with up to 680 cps	Post Hill	Mafic tuff	Volcanic	53.50	13.70	14.62	-99
204	GS-08-023	7741299	Mineralized mafic metavolcanic with carbonate veining; contains up to 1400 cps	Post Hill	Mafic tuff	Volcanic	44.02	11.72	14.63	-99
205	GS-08-025	7740086	Metabasalt	Post Hill	Basalt	Volcanic	50.84	13.59	14.55	2.07
206	GS-08-026	7741301	Unmineralized argillite	Post Hill	Argillite	Sedimentary	51.72	12.29	15.04	-99
207	GS-08-027	7740087	Metabasalt	Post Hill	Basalt	Volcanic	50.92	13.73	14.42	2.26
208	GS-08-028	7741302	Garnetiferous argillite	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
209	GS-08-031	7741303	Garnetiferous argillite	Post Hill	Argillite	Sedimentary	60.68	11.37	15.85	-99
210	GS-08-033	7741304	Quartz-feldspar porphyry	Post Hill	QFP	Plutonic	75.52	11.27	2.62	-99
211	GS-08-034	7741305	Quartz-feldspar porphyry containing fracture-hosted mineralization associated with up to 250 cps	Post Hill	QFP	Plutonic	78.06	11.41	1.89	-99
212	GS-08-035	7740088	Metagabbro	Post Hill	Metagabbro	Plutonic	47.01	15.14	6.37	0.88
213	GS-08-036	7740089	Metabasalt	Post Hill	Basalt	Volcanic	50.96	13.13	14.58	1.88
214	GS-08-037	7740091	Metabasalt	Post Hill	Basalt	Volcanic	50.65	13.28	13.73	2.14
215	GS-08-038	7741306	Garnetiferous argillite	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
216	GS-08-039	7741307	Sulphidic argillite	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
217	GS-08-040	7741308	Sulphidic argillite	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
218	GS-08-042	7741309	Metabasalt	Post Hill	Basalt	Volcanic	-99	-99	-99	-99
219	GS-08-043	7740092	Metabasalt	Post Hill	Basalt	Volcanic	51.61	13.17	14.88	1.97
220	GS-08-044	7740093	Metabasalt	Post Hill	Basalt	Volcanic	49.35	13.57	15.02	2.43
221	GS-08-045	7740094	Metabasalt	Post Hill	Basalt	Volcanic	49.88	13.56	15.14	2.11
222	GS-08-047	7741311	Sulphidic argillite	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
223	GS-08-048	7741312	Sulphidic argillite	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
224	GS-08-049	7741313	Argillite	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
225	GS-08-050	7740095	Felsic dyke	Post Hill	Felsic dyke	Dyke	56.10	16.57	11.23	-99
226	GS-08-053	7740096	Metabasalt	Moran Lake	Basalt	Volcanic	45.63	12.85	10.50	1.21
227	GS-08-054	7741314	Brecciated hematitic/iron carbonate alteration	Moran Lake	Breccia	Alteration	-99	-99	-99	-99
228	GS-08-055	7741315	Metabasalt	Moran Lake	Basalt	Volcanic	-99	-99	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
229	GS-08-057	7741316	Brecciated hematitic/iron carbonate alteration	Moran Lake	Breccia	Alteration	-99	-99	-99	-99
230	GS-08-058	7741317	Brecciated hematitic/iron carbonate alteration	Moran Lake	Breccia	Alteration	42.93	10.89	13.87	-99
231	GS-08-059	7741318	Weakly hematized chert	Moran Lake	Chert	Sedimentary	84.24	0.62	3.64	-99
232	GS-08-060	7741319	Strongly hematized chert	Moran Lake	Chert	Sedimentary	76.74	0.27	9.41	-99
233	GS-08-061	7741321	Weakly hematized chert	Moran Lake	Chert	Sedimentary	88.91	0.44	3.13	-99
234	GS-08-062	7741322	Hematized, variably brecciated, mafic volcanic	Moran Lake	Breccia	Alteration	35.98	9.89	14.39	-99
235	GS-08-063	7740097	Hematite-carbonate alterted breccia	Moran Lake	Breccia	Alteration	34.36	10.28	8.35	1.89
236	GS-08-064	7741323	Hematite-carbonate alterted breccia	Moran Lake	Breccia	Alteration	29.92	8.72	9.06	-99
237	GS-08-065	7741324	Transition from hematite-carbonate dominated to iron carbonate alteration	Moran Lake	Fe-carb./hem. alt.	Alteration	32.92	9.58	7.39	-99
238	GS-08-066	7741325	Massive iron carbonate alteration of the Lower Shear Zone	Moran Lake	Fe-carb./hem. alt.	Alteration	37.17	10.84	7.55	-99
239	GS-08-068	7740098	Metabasalt	Moran Lake	Basalt	Volcanic	42.71	11.86	10.80	0.56
240	GS-08-073	7741326	Weakly hematized chert	Moran Lake	Chert	Sedimentary	-99	-99	-99	-99
241	GS-08-074	7740099	Fine-grained granite	Undefined	Granite	Plutonic	76.30	12.00	0.57	0.22
242	GS-08-075	7740101	Plagioclase-phyric, weakly magnetic, mafic dyke	Undefined	Mafic dyke	Dyke	49.36	17.47	9.45	2.61
243	GS-08-076	7740102	Fine-grained granite	Undefined	Granite	Plutonic	77.80	11.76	0.84	0.65
244	GS-08-078	7740103	Fine-grained granodiorite	Undefined	Granodiorite	Plutonic	62.57	15.47	5.11	2.34
245	GS-08-079	7740104	Fine-grained granodiorite	Undefined	Granodiorite	Plutonic	62.65	15.15	5.94	2.43
246	GS-08-080	7740105	Fine-grained, weakly porphyritic felsic dyke	Undefined	Felsic dyke	Dyke	65.00	15.80	3.20	1.64
247	GS-08-081	7740106	Fine-grained granodiorite	Undefined	Granodiorite	Plutonic	62.89	14.73	6.44	3.29
248	GS-08-082	7740107	Fine-grained granite	Undefined	Granite	Plutonic	75.62	12.21	0.85	0.24
249	GS-08-083	7740108	Fine-grained, weakly foliated, granite	Undefined	Granite	Plutonic	80.24	10.04	0.64	0.22
250	GS-08-084	7740109	Fine-grained granite	Undefined	Granite	Plutonic	78.80	11.02	0.74	0.54
251	GS-08-088	7740111	Fine-grained, strongly foliated, granite	Undefined	Granite	Plutonic	86.68	5.84	0.15	-99
252	GS-08-089	7740112	Highly magnetic, fine-grained, chlorite alteration	Undefined	Granodiorite	Alteration	67.76	13.06	4.67	2.18
253	GS-08-090	7740113	Fine-grained granite	Undefined	Granite	Plutonic	77.11	12.08	1.21	0.81
254	GS-08-092	7740114	Fine-grained, weakly foliated, granite	Undefined	Granite	Plutonic	75.76	12.18	1.46	1.01
255	GS-08-095	7740115	Fine-grained granite	Undefined	Granite	Plutonic	77.10	11.94	0.86	-99
256	GS-08-103	7741327	Sulphidic siltstone	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
257	GS-08-104	7740116	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	52.85	13.56	9.27	2.77
258	GS-08-107	7741328	Medium-grained sandstone	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
259	GS-08-128	7741329	Boulder of rusty weathering, sulphidic siltstone of the Warren Creek Formation with up to 1000 cps	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
260	GS-08-129	7741331	Grey siltstone with cm-scale beds of iron formation	Moran Lake	Siltstone	Sedimentary	-99	-99	-99	-99
261	GS-08-131	7741332	Sulphidic siltstone containg rare copper mineralization	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
262	GS-08-132	7741333	Iron formation containing elevated radioactivity	Moran Lake	Fe-formation	Sedimentary	-99	-99	-99	-99
263	GS-08-133	7741334	Boulder of rusty sulphidic siltstone with up to 1000 cps locally	Moran Lake	Fe-formation	Sedimentary	-99	-99	-99	-99
264	GS-08-134	7741335	Weakly sericitized siltstone	Moran Lake	Siltstone	Sedimentary	-99	-99	-99	-99
265	GS-08-135	7741336	Iron formation containing up to 1400 cps	Moran Lake	Fe-formation	Sedimentary	76.40	1.09	18.89	-99
266	GS-08-136	7740117	Fine-grained, non-magnetic, mafic dyke	Undefined	Mafic dyke	Dyke	45.77	16.11	9.36	1.25
267	GS-08-137	7740118	Ash tuff interebedded with basal Brown Lake Formation; dated at 1665 ± 3.5 Ma	Bruce River	Tuff	Volcanic	74.55	11.94	0.91	0.89
268	GS-08-142	7741337	Hematized chert crosscut by fracture hosted pyrite	Moran Lake	Fe-formation	Sedimentary	-99	-99	-99	-99
269	GS-08-143	7741338	Brecciated chert with minor hematite alteration	Moran Lake	Fe-formation	Sedimentary	-99	-99	-99	-99
270	GS-08-144	7741339	Sulphidic black shale containing anomalous radioactivity	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
271	GS-08-145	7741341	Medium-grained, red sandstone	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
272	GS-08-146	7741342	Medium-grained, red sandstone	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
273	GS-08-150	7741343	Hematized metabasalt	Moran Lake	Breccia	Alteration	-99	-99	-99	-99
274	GS-08-151	7741344	Brecciated hematite-carbonate alteration hosting anomalous copper mineralization	Moran Lake	Breccia	Alteration	-99	-99	-99	-99
275	GS-08-152	7740119	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	65.14	11.34	4.50	0.72
276	GS-08-153	7741345	Fine-grained, green sandstone	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
277	GS-08-154	7741346	Brecciated green sandstone; matrix comprised of quartz-carbonate	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
278	GS-08-156	7741347	Brecciated green sandstone; matrix comprised of quartz-carbonate	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
279	GS-08-158	7741348	Sulphide-rich black shales containing up to 10-15% pyrite	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
280	GS-08-161	7741349	Pale grey siltstone	Moran Lake	Siltstone	Sedimentary	-99	-99	-99	-99
281	GS-08-175	7740121	Weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.49	12.59	2.91	1.20
282	GS-08-176	7740122	Weakly hematized, weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	73.43	11.87	2.25	1.13
283	GS-08-177	7740123	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	47.16	17.00	12.46	2.15
284	GS-08-179	7740124	Amphibolized, fine-grained, mafic dyke with 1-2% pyrite	Undefined	Mafic dyke	Dyke	46.42	15.18	13.00	4.00
285	GS-08-180	7740125	Fine-grained, dioritic dyke	Undefined	Diorite	Plutonic	47.02	18.16	11.20	2.02

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
286	GS-08-181	7740126	Weakly porphyritic, moderately foliated, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.75	12.25	2.69	1.09
287	GS-08-182	7740127	Weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	75.08	12.06	1.85	0.82
288	GS-08-183	7740128	Fine-grained, dioritic dyke	Undefined	Diorite	Plutonic	52.23	14.29	10.01	3.44
289	GS-08-184	7740129	Weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	75.57	11.80	1.57	0.47
290	GS-08-185	7740131	Very fine grained, non-porphyritic, moderately foliated felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	75.92	12.35	1.23	0.63
291	GS-08-187	7740132	Weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	75.62	12.15	1.34	0.79
292	GS-08-188	7740133	Fine-grained, dioritic dyke	Undefined	Diorite	Plutonic	50.86	13.06	10.08	3.13
293	GS-08-189	7740134	Fine grained, magnetic mafic dyke	Undefined	Mafic dyke	Dyke	48.80	14.64	12.01	3.65
294	GS-08-190	7740135	Weakly porphyritic, moderately foliated, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	76.59	11.89	1.32	1.14
295	GS-08-191	7740136	Fluorite-bearing, fine-grained, felsic dyke	Undefined	Felsic dyke	Dyke	74.59	12.31	1.33	0.91
296	GS-08-192	7741351	"Bleached" siliceous zone within felsic metavolcanic containing 1-2% magnetite	Aillik	Felsic volcanic	Alteration	76.36	12.34	1.33	-99
297	GS-08-193	7740137	Weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	69.01	12.53	4.16	2.33
298	GS-08-195	7740211	"Bleached" siliceous zone within felsic metavolcanic	Aillik	Felsic volcanic	Alteration	77.26	12.40	0.47	0.20
299	GS-08-196	7740138	Coarsely porphyritic, felsic core of dyke	Aillik	Complex dyke	Dyke	68.66	13.28	5.14	1.82
300	GS-08-198	7740139	Very fine grained, non-porphyritic, strongly foliated felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	76.15	12.10	1.32	1.09
301	GS-08-199	7740141	Weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	74.39	11.87	1.38	0.69
302	GS-08-200	7741352	Weakly porphyritic, felsic metavolcanic, containing 2-4% dissem pyrite	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
303	GS-08-201	7740142	Pale grey, moderately porphyritic felsic metavolcanic (20-30% phenocrysts)	Aillik	Felsic volcanic	Volcanic	71.10	12.74	3.42	1.28
304	GS-08-202	7741353	Pale grey, moderately porphyritic felsic metavolcanic (20-30% phenocrysts)	Aillik	Felsic volcanic	Volcanic	72.03	12.54	3.57	-99
305	GS-08-203	7741354	Hematitic alteration associated with up to 200 cps	Aillik	Felsic volcanic	Alteration	67.46	14.79	3.64	-99
306	GS-08-204	7740143	Undeformed diorite to monzodiorite; dated at 1644 ± 4 Ma	Undefined	Diorite	Plutonic	53.06	17.01	9.55	4.06
307	GS-08-205	7740144	Weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	73.66	12.08	2.03	0.87
308	GS-08-206	7740145	Medium-grained, quartz-K-feldspar-biotite bearing granite	Undefined	Granite	Plutonic	71.99	13.72	1.37	0.56
309	GS-08-207	7740146	Weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.07	12.82	2.88	1.19
310	GS-08-208	7740147	Weakly porphyritic, moderately foliated, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	74.07	12.22	1.63	0.94
311	GS-08-209	7740212	Coarsely porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	68.39	13.36	4.77	2.84
312	GS-08-210	7740213	Coarsely porphyritic, felsic core of dyke	Aillik	Complex dyke	Dyke	67.04	13.66	5.61	2.62
313	GS-08-211	7741355	Uranium mineralization developed immedatly below porphyritic metavolcanic/dyke contact	Aillik	Felsic volcanic	Alteration	51.41	14.07	9.05	-99
314	GS-08-212	7741356	Weakly mineralized, weakly porphyritic felsic metavolcanic, with up to 210 cps	Aillik	Felsic volcanic	Volcanic	76.21	11.82	2.08	-99
315	GS-08-213	7741357	Strongly mineralized, weakly porphyritic felsic metavolcanic, with up to 800 cps	Aillik	Felsic volcanic	Volcanic	64.25	15.91	3.08	-99
316	GS-08-214	7741358	Mineralized porphyritic felsic metavolcanic, with up to 480 cps; no visible hematite alteration	Aillik	Felsic volcanic	Volcanic	65.17	16.71	4.11	-99
317	GS-08-215	7740148	Weakly porphyritic felsic metavolcanic; dated at 1858 ± 2 Ma	Aillik	Felsic volcanic	Volcanic	71.30	12.73	2.93	1.40
318	GS-08-216	7741359	Weakly porphyritic, moderately foliated, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
319	GS-08-217	7740149	Fine-grained mafic dyke crosscutting mineralization	Undefined	Mafic dyke	Dyke	45.22	15.03	14.96	3.46
320	GS-08-218	7741361	Strongly hematized, coarsely porphyritic, metarhyolite, with up to 2090 cps	Aillik	Porph. dyke	Dyke	63.00	15.25	5.54	-99
321	GS-08-219	7741362	Medium-grained albitized granite, with up to 530 cps	Undefined	Granite	Alteration	72.83	12.98	2.52	-99
322	GS-08-220	7741363	Unmineralized, medium-grained granite	Undefined	Granite	Plutonic	73.59	11.98	2.51	-99
323	GS-08-221	7741364	Mineralized actinolite veinlets in intermediate metavolcanic, up to 875 cps	Aillik	Intermed. volcanic	Alteration	-99	-99	-99	-99
324	GS-08-222	7741365	Mineralized actinolite veinlets in intermediate metavolcanic, up to 1300 cps	Aillik	Intermed. volcanic	Alteration	-99	-99	-99	-99
325	GS-08-224	7740151	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	47.58	9.62	9.90	3.20
326	GS-08-225	7740152	Fine-grained, diorite dyke	Undefined	Diorite	Plutonic	53.27	14.13	11.11	2.48
327	GS-08-226	7740153	Fine-grained, unmineralized, intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	54.89	17.20	8.70	5.17
328	GS-08-228	7741366	Amphibole veining within intermediate metavolcanic, up to 400 cps	Aillik	Intermed. volcanic	Alteration	47.33	13.33	11.50	-99
329	GS-08-229	7740154	Medium-grained granodiorite/quartz-monzodiorite; dated at 1798 ± 2 Ma	Undefined	Granodiorite	Plutonic	64.87	15.42	4.06	1.45
330	GS-08-231	7741367	Hematized intermediate metavolcanic with up to 500 cps	Aillik	Intermed. volcanic	Volcanic	-99	-99	-99	-99
331	GS-08-233	7740155	Weak to moderate actinolite-carbonate veining within intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	55.87	15.08	8.92	5.18
332	GS-08-234	7740156	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	45.85	16.09	11.36	3.69
333	GS-08-235	7740157	Fine-grained, intermediate metavolcanic; contains titanite dated at 1781 ± 10 Ma	Aillik	Intermed. volcanic	Volcanic	56.43	15.89	9.44	5.62
334	GS-08-237	7741368	Quartz-feldspar porphyry dyke	Undefined	Complex dyke	Dyke	67.16	14.69	5.06	-99
335	GS-08-238	7741369	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	-99	-99	-99	-99
336	GS-08-239	7741371	Fine-grained, unmineralized, intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	58.98	15.28	8.36	-99
337	GS-08-240	7741372	Amphibole veining within intermediate metavolcanic, up to 700 cps	Aillik	Intermed. volcanic	Alteration	56.34	15.94	8.50	-99
338	GS-08-241	7741373	Rare amphibole veining within intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	55.06	15.27	9.94	-99
339	GS-08-242	7741374	Weak hematitic alteration within intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	-99	-99	-99	-99
340	GS-08-244	7741375	Massive, chlorite-biotite-carbonate alteration within intermediate metavolcanic	Aillik	Intermed. volcanic	Alteration	-99	-99	-99	-99
341	GS-08-245	7741376	Mineralized actinolite veinlets in intermediate metavolcanic, up to 770 cps	Aillik	Intermed. volcanic	Volcanic	-99	-99	-99	-99
342	GS-08-246	7741377	Hematized intermediate metavolcanic with up to 1400 cps	Aillik	Intermed. volcanic	Volcanic	-99	-99	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
343	GS-08-247	7740198	Spherulitic rhyolite	Aillik	Felsic volcanic	Volcanic	77.88	10.88	1.37	0.64
344	GS-08-249	7741378	Rusty gossan zone developed marginal to granite intrusion	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
345	GS-08-250	7741379	Fine-grained mafic intrusive containing weakly hematized fragments of adjacent felsic metavolcanic	Aillik	Amphibolite	Metamorphic	-99	-99	-99	-99
346	GS-08-251	7741381	Weakly hematized felsic metavolcanic with up to 300 cps	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
347	GS-08-252A	7741382	Hematite-albite alteration within felsic metavolcanic with up to 4600 cps	Aillik	Felsic volcanic	Volcanic	73.56	10.03	2.26	-99
348	GS-08-252B	7740259	Hematite-albite alteration within felsic metavolcanic with up to 4600 cps	Aillik	Felsic volcanic	Volcanic	66.60	18.55	1.76	0.78
349	GS-08-253	7740199	Unmineralized felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	75.59	11.62	2.26	1.08
350	GS-08-254	7741383	Rusty weathering, weakly hematized mafic metavolcanic	Aillik	Amphibolite	Metamorphic	-99	-99	-99	-99
351	GS-08-255	7741384	Hematite-albite alteration within felsic metavolcanic with up to 3000 cps	Aillik	Felsic volcanic	Alteration	64.49	17.45	1.77	-99
352	GS-08-256	7740201	Albitized felsic metavolcanic	Aillik	Felsic volcanic	Alteration	82.81	8.75	0.89	0.41
353	GS-08-257	7741385	Anomalous radioactivity within mafic fragments within felsic metavolcanic	Aillik	Felsic volcanic	Alteration	-99	-99	-99	-99
354	GS-08-259	7741386	Hematite-albite alteration within felsic metavolcanic	Aillik	Felsic volcanic	Alteration	-99	-99	-99	-99
355	GS-08-260	7741387	Sulphidic argillite containing up to 5200 cps	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
356	GS-08-262	7741388	Sulphidic argillite containing up to 60,000 cps	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
357	GS-08-263	7740202	Coarse-grained metagabbro (Kitts Metagabbro)	Post Hill	Metagabbro	Plutonic	50.55	12.92	16.63	3.37
358	GS-08-264	7741389	Magnetite-rich chert	Post Hill	Chert	Sedimentary	-99	-99	-99	-99
359	GS-08-265	7741391	Sheared metagabbro hosting up to 200 cps	Post Hill	Metagabbro	Plutonic	-99	-99	-99	-99
360	GS-08-266	7741392	Argillite containing up to 2700 cps	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
361	GS-08-267	7741393	Argillite containing strong radioactivity	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
362	GS-08-268	7741394	Mineralized argillite immediately adjacent to feldspar porphyry dyke	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
363	GS-08-269	7741395	Feldspar porphyry dyke, which crosscuts mineralization	Post Hill	QFP	Plutonic	59.30	17.27	3.40	-99
364	GS-08-270	7741396	Feldspar porphyry near contact with argillite; sample contains uranophane staining along fractures	Post Hill	QFP	Plutonic	59.91	17.14	4.35	-99
365	GS-08-271	7741397	Argillite with possible interbedded tuff containing up to 4300 cps	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
366	GS-08-272	7741398	Sulphidic argillite; no anomalous radioactivity	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
367	GS-08-273	7741399	Argillite with possible vein-hosted uranium mineralization	Post Hill	Argillite	Sedimentary	-99	-99	-99	-99
368	GS-08-274	7741401	Felsic metavolcanic hosting fracture-hosted disseminated pyrite and molybdenite mineralization	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
369	GS-08-275	7741402	Weakly hematized felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
370	GS-08-276	7741403	Weakly hematized felsic metavolcanic containing fracture-hosted uranium mineralization	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
371	GS-08-277	7741404	Coarsely crystalline, pyrite-rich, felsic metavolcanic hosting anomalous radioactivity	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
372	GS-08-278	7741405	Fine-grained, pyrite-poor, felsic metavolcanic with only weak radioactivity	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
373	GS-08-281	7741406	Hematite-albite alteration within felsic metavolcanic associated with anomalous radioactivity	Aillik	Felsic volcanic	Alteration	-99	-99	-99	-99
374	GS-08-282	7740203	Felsic metavolvcanic immediately adjacent to granite intrusion	Aillik	Felsic volcanic	Volcanic	73.64	11.04	3.54	3.08
375	GS-08-283	7741407	Hematite-albite alteration within felsic metavolcanic associated with anomalous radioactivity	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
376	GS-08-284	7741408	Pyrite-rich, altered volcanic with vein hosted flourite	Aillik	Felsic volcanic	Alteration	-99	-99	-99	-99
377	GS-08-285	7741409	Bleached felsic metavolcanic hosting molybdenite along foliation	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
378	GS-08-286	7741411	Pyrite-rich zone in metagabbro	Post Hill	Metagabbro	Plutonic	-99	-99	-99	-99
379	GS-08-288	7740204	Feldspar-phyric crystal tuff; dated at 1855.2 ± 1.4 Ma	Aillik	Felsic volcanic	Volcanic	74.69	12.78	1.92	1.34
380	GS-08-289	7741412	Rusty metasediment hosting anomalous radioactivity	Post Hill	Fe-formation	Sedimentary	-99	-99	-99	-99
381	GS-08-290	7741413	Gossan zone in metasediment; no radioactivity	Post Hill	Quartzite	Sedimentary	-99	-99	-99	-99
382	GS-08-291	7741414	Mineralized iron formation	Post Hill	Fe-formation	Sedimentary	-99	-99	-99	-99
383	GS-08-292	7741415	Altered felsic metavolcanic containing molybdenite and lesser uranium mineralization	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
384	GS-08-293	7741416	Felsic metavolcanic with fracture-hosted molybdenite and uranophane staining	Aillik	Felsic volcanic	Volcanic	-99	-99	-99	-99
385	GS-08-294	7741417	Red, fine-grained sandstone	Bruce River	Sandstone	Sedimentary	73.28	12.06	2.19	-99
386	GS-08-296	7741418	Unmineralized, relatively unaltered, carbonate-rich, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	37.15	17.56	13.19	-99
387	GS-08-297	7741419	Hematized mafic dyke with up to 1900 cps	Undefined	Mafic dyke	Dyke	-99	-99	-99	-99
388	GS-08-301	7741421	Hematite-albite breccia; no associated radioactivity	Moran Lake	Breccia	Alteration	-99	-99	-99	-99
389	GS-08-302	7740205	Fine-grained gabbro	Undefined	Gabbro	Dyke	42.61	13.80	17.98	4.79
390	GS-08-303	7741422	Quartz-carbonate veined metasediment with up to 26000 cps; minor Cu staining	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
391	GS-08-304	7740206	Fine-grained gabbro	Undefined	Gabbro	Dyke	41.60	12.45	19.71	5.98
392	GS-08-305	7740207	Coarse-grained gabbro	Undefined	Gabbro	Dyke	45.77	16.53	12.27	3.78
393	GS-08-322	7740208	Mafic metavolcanic	Post Hill	Basalt	Volcanic	48.88	12.58	15.78	3.50
394	GS-09-004	7741423	Mineralized, hemaitite altered breccia	Undefined	Hematite breccia	Alteration	53.72	18.07	9.23	-99
395	GS-09-008	7741424	Carbonate altered fine-grained granodiorite/tonalite with moderate network hematite fracturing	Undefined	Granodiorite	Plutonic	58.05	15.80	2.76	-99
396	GS-09-009	7740261	Weakly hematitized fine- to medium-grained granodiorite/tonalite	Undefined	Granodiorite	Plutonic	70.26	14.96	0.79	-99
397	GS-09-010	7740262	Relatively unaltered granodiorite/tonalite	Undefined	Granodiorite	Plutonic	70.20	15.59	2.03	0.05
398	GS-09-011	7740263	Carbonate-rich, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	38.00	13.54	10.77	1.53
399	GS-09-013	7740307	Hematite-carbonate altered granodiorite/tonalite	Undefined	Granodiorite	Plutonic	56.90	16.91	1.39	0.45

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
400	GS-09-014	7740308	Relatively unaltered granodiorite/tonalite	Undefined	Granodiorite	Plutonic	70.63	14.24	0.81	0.04
401	GS-09-015	7740229	Fine-grained, dark green mafic dyke	Undefined	Mafic dyke	Dyke	48.34	15.03	12.55	2.58
402	GS-09-017	7741425	Tonalitic gneiss with weak hematite alteration	Archean	Gneiss	Alteration	68.74	14.32	1.32	-99
403	GS-09-018	7741426	Hematite-rich breccia with up to 590 cps	Undefined	Hematite breccia	Alteration	-99	-99	-99	-99
404	GS-09-019	7740231	Plagioclase-phyric, grey-green, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	40.27	14.82	18.31	8.47
405	GS-09-020	7740264	Leucocratic portion of gneissic unit	Archean	Gneiss	Metamorphic	75.75	13.41	0.64	0.07
406	GS-09-022	7740265	Pale pink, medium-grained, homogeneous granodiorite/tonalite with moderate chlorite fracturing	Undefined	Granodiorite	Plutonic	72.89	14.95	0.58	-99
407	GS-09-023	7740266	Tonalitic gneiss	Archean	Gneiss	Metamorphic	70.72	13.80	1.84	0.31
408	GS-09-024	7740267	Medium-grained, pale pink homogeneous granodiorite/tonalite with moderate chlorite fracturing	Undefined	Granodiorite	Plutonic	70.84	14.43	0.77	-99
409	GS-09-028	7740232	Fine-grained granodiorite/tonalite dyke crosscutting gneiss	Undefined	Granodiorite	Plutonic	66.04	14.41	1.94	0.53
410	GS-09-034	7741427	Weak carbonate alteration with up to 400 cps; sample also includes fracture with uranophane	Undefined	Granodiorite	Plutonic	56.27	16.45	2.27	-99
411	GS-09-035	7740268	Medium-grained granodiorite/tonalite	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	66.38	15.34	3.10	1.28
412	GS-09-036	7740269	Crush breccia within granodiorite/tonalite	Kanairiktok Intrusive Suite	Granodiorite	Plutonic	73.62	14.22	1.10	0.19
413	GS-09-037	7740233	Pinkish-orange medium- to coarse-grained granite	Undefined	Granite	Plutonic	73.87	14.61	0.53	0.01
414	GS-09-038	7741428	Hematized gneiss with up to 500 cps	Archean	Gneiss	Alteration	69.38	14.54	1.87	-99
415	GS-09-041	7740271	Medium-grained greyish granodiorite/tonalite	Undefined	Granodiorite	Plutonic	70.02	15.11	1.66	0.37
416	GS-09-042	7741429	Hematite altered granodiorite/tonalite with minor crackle breccia containing up to 430 cps	Undefined	Granodiorite	Alteration	67.95	15.13	2.07	-99
417	GS-09-048	7741431	Hematized granodiorite/tonalite containing fracture-hosted radioactivity	Undefined	Granodiorite	Alteration	-99	-99	-99	-99
418	GS-09-054	7741432	Highly frac granodiorite/tonalite; taken from outcrop with >10 000 cps.	Undefined	Granodiorite	Plutonic	-99	-99	-99	-99
419	GS-09-055	7741433	Strongly hematized granodiorite/tonalite with up to 9000 cps	Undefined	Granodiorite	Alteration	60.79	16.32	4.56	-99
420	GS-09-056	7740234	Weak to moderately fractured, weakly hematized, medium-grained granodiorite/tonalite	Undefined	Granodiorite	Plutonic	58.65	17.09	4.76	2.46
421	GS-09-057	7741434	Cataclastic breccia within metasedimentary unit	Moran Lake	Siltstone	Sedimentary	72.53	12.60	3.53	-99
422	GS-09-058	7741435	Silicious siltstone containing anomalous radioactivity	Moran Lake	Siltstone	Sedimentary	70.34	14.41	3.43	-99
423	GS-09-059	7741436	Cataclastic breccia within metasedimentary unit with anomalous radioactivity	Moran Lake	Siltstone	Sedimentary	-99	-99	-99	-99
424	GS-09-060	7741437	Siltstone with up to 500 cps	Moran Lake	Siltstone	Sedimentary	-99	-99	-99	-99
425	GS-09-061	7741438	Pyrite-rich siltstone with up to 2100 cps	Moran Lake	Siltstone	Sedimentary	49.51	13.74	15.29	-99
426	GS-09-062	7741439	Light grey, pyritic siltstone with up to 450 cps	Moran Lake	Siltstone	Sedimentary	-99	-99	-99	-99
427	GS-09-063	7741441	Moderately fractured chert interbedded with the siltstone unit	Moran Lake	Chert	Sedimentary	-99	-99	-99	-99
428	GS-09-064	7740235	Medium-grained, chlorite-rich granodiorite/tonalite	Undefined	Granodiorite	Plutonic	62.53	16.56	5.04	2.62
429	GS-09-066	7740236	Medium-grained, chlorite-rich granodiorite/tonalite	Undefined	Granodiorite	Plutonic	46.42	16.70	13.31	9.27
430	GS-09-067	7740237	Fine-grained dark-green mafic dyke	Undefined	Mafic dyke	Dyke	45.73	16.38	12.56	1.31
431	GS-09-068	7740238	Fine-grained dark-green mafic dyke	Undefined	Mafic dyke	Dyke	46.19	16.71	12.57	2.46
432	GS-09-069	7740272	Variably hematized medium-grained granodiorite/tonalite with up to 1200 cps	Undefined	Granodiorite	Plutonic	68.19	12.62	5.97	4.41
433	GS-09-070	7741442	Hematite altered breccia from within main mineralized fracture; up to 800 cps.	Undefined	Granodiorite	Alteration	-99	-99	-99	-99
434	GS-09-071	7741443	Hematized intrusive with crosscutting specularite veinlets	Undefined	Granodiorite	Alteration	57.27	12.96	3.66	-99
435	GS-09-072	7741444	Galena-sphalerite vein hosted in pegmatite	Undefined	Vein	Vein	-99	-99	-99	-99
436	GS-09-073	7740239	Medium-grained unaltered graondiorite	Undefined	Granodiorite	Plutonic	61.73	16.64	5.20	1.22
437	GS-09-075	7740273	Quartz-feldspar-rich pegmatite	Undefined	Pegmatite	Plutonic	67.40	19.88	0.10	-99
438	GS-09-077	7740274	Weaky foliated, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	45.69	16.24	12.88	3.53
439	GS-09-079	7740275	Pale grey unaltered, chlorite-biotite-rich intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	68.12	14.75	2.92	0.95
440	GS-09-080	7740241	Fine-grained, foliated, weakly magnetic mafic dyke	Undefined	Mafic dyke	Dyke	45.85	14.41	14.66	4.85
441	GS-09-084	7740242	Fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	44.88	15.33	15.61	5.14
442	GS-09-087	7740276	Albitic alteration developed in intermediate metavolcanic	Aillik	Intermed. volcanic	Alteration	67.31	14.91	2.75	2.10
443	GS-09-088	7740277	Massive, dark purple, intermediate volcanic above mineralized zone	Aillik	Intermed. volcanic	Volcanic	64.26	15.64	6.14	2.03
444	GS-09-089	7741445	Mineralized, hematite-carbonate altered intermediate metavolcanic	Aillik	Intermed. volcanic	Alteration	53.70	15.63	5.09	-99
445	GS-09-090	7740278	Feldspar-phyric intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	62.18	15.66	6.44	2.02
446	GS-09-091	7740243	Coarsely porphyritic intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	60.30	17.04	4.76	2.64
447	GS-09-092	7740244	Fine-grained, undeformed diorite dyke	Undefined	Diorite	Plutonic	52.47	14.65	8.96	3.06
448	GS-09-094	7740245	Chlorite-rich intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	57.04	15.58	8.06	3.85
449	GS-09-095	7740246	Feldspar-phyric intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	66.54	15.29	4.06	3.44
450	GS-09-098	7740279	Quartz-feldspar-phyric metarhyolite	Aillik	Felsic volcanic	Volcanic	74.61	11.48	1.71	1.38
451	GS-09-099	7740281	Pale purple, highly fractured intermediate metavolcanic with discontinuous white carbonate veining	Aillik	Intermed. volcanic	Volcanic	49.02	15.36	6.91	5.29
452	GS-09-100	7740282	Pale cream coloured porphyritic metarhyolite	Aillik	Felsic volcanic	Volcanic	75.83	13.02	1.85	1.49
453	GS-09-101	7740247	Coarsely porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	72.39	12.78	4.80	4.19
454	GS-09-102	7741446	Moderately hematized tonalite hosting anomalous radioactivity	Kanairiktok Intrusive Suite	Tonalite	Alteration	-99	-99	-99	-99
455	GS-09-103	7741447	Highly fractured, rusty weathering, chlorite-rich siltstone	Moran Lake	Siltstone	Sedimentary	-99	-99	-99	-99
456	GS-09-104	7741448	Siliceous siltstone with disseminated pyrite and elevated radioactivity	Moran Lake	Siltstone	Sedimentary	-99	-99	-99	-99

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ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
457	GS-09-105	7741449	Radioactive iron-carbonate altered basalt in chloritic shear zone	Moran Lake	Basalt	Alteration	-99	-99	-99	-99
458	GS-09-106	7741451	Radioactive basalt with network style pink carbonate veining	Moran Lake	Basalt	Volcanic	-99	-99	-99	-99
459	GS-09-107	7741452	Sheared basalt elevated radioactivity	Moran Lake	Basalt	Alteration	-99	-99	-99	-99
460	GS-09-108	7741453	Chlorite-rich, sheared and radioactive basalt; minor uranophane along fracture surfaces	Moran Lake	Basalt	Volcanic	46.49	13.19	7.54	-99
461	GS-09-109	7741454	Semi consolidated till hosting anomalous radioactivity	Undefined	Surficial till	Surficial	-99	-99	-99	-99
462	GS-09-111	7740283	Unmineralized iron-carbonate veining developed in basalt	Moran Lake	Fe-carb./hem. alt.	Alteration	42.55	12.14	9.57	0.79
463	GS-09-112	7740284	Black sulfide-rich shale from area of anomalous radioactivity	Moran Lake	Argillite	Sedimentary	61.44	4.56	19.75	9.17
464	GS-09-113	7741455	Pale grey, highly fractured chert, hosting anomalous radioactivity	Moran Lake	Chert	Sedimentary	-99	-99	-99	-99
465	GS-09-114	7740285	Buff brown weathering, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	47.86	12.66	22.23	1.91
466	GS-09-115	7741456	Iron-carbonate veining developed within the chert	Moran Lake	Chert	Sedimentary	-99	-99	-99	-99
467	GS-09-118	7740248	Feldspar-phyric mafic dyke	Undefined	Mafic dyke	Dyke	42.78	12.97	19.93	5.88
468	GS-09-120	7741457	Moderately brecciated hematite-albite-carbonate alteration	Moran Lake	Breccia	Alteration	-99	-99	-99	-99
469	GS-09-121	7741458	Red coarse-grained Heggart Lake sandstone hosting anomalous radioactivity	Bruce River	Sandstone	Alteration	-99	-99	-99	-99
470	GS-09-122	7741459	Pale green massive sandstone with up to 300 cps	Bruce River	Sandstone	Alteration	-99	-99	-99	-99
471	GS-09-123	7741461	Heggart Lake conglomerate hosting anomalous radioactivity	Bruce River	Conglomerate	Alteration	-99	-99	-99	-99
472	GS-09-124	7741462	Malachite staining in metabasalt	Moran Lake	Basalt	Alteration	-99	-99	-99	-99
473	GS-09-125	7741463	Hematized Heggart Lake sandstone; strong carbonate flooding associated with intense radioactivity	Bruce River	Sandstone	Alteration	-99	-99	-99	-99
474	GS-09-126	7741464	Dolomite hosting weak radioactivity	Moran Lake	Dolostone	Sedimentary	-99	-99	-99	-99
475	GS-09-127	7740286	Strongly foliated, weakly sericitized ash flow tuff	Bruce River	Felsic volcanic	Volcanic	75.01	12.85	0.94	0.68
476	GS-09-128	7740249	Fine-grained dark-green, non-magnetic, carbonate altered, foliated mafic dyke	Undefined	Mafic dyke	Dyke	41.81	7.58	8.69	2.12
477	GS-09-129	7740251	Undeformed, fine-grained, non-magnetic mafic dyke	Undefined	Mafic dyke	Dyke	43.42	12.85	8.89	2.05
478	GS-09-130	7741465	Weakly radioactive hematite alteration in ash flow tuff	Bruce River	Felsic volcanic	Alteration	-99	-99	-99	-99
479	GS-09-131	7741466	Pervasively altered ash flow tuff	Bruce River	Felsic volcanic	Alteration	75.46	12.71	1.31	-99
480	GS-09-133	7741467	Altered ash flow tuff with up to 380 cps	Bruce River	Felsic volcanic	Alteration	70.17	11.92	1.62	-99
481	GS-09-134	7740287	Unaltered, massive, coarsely porphyritic ash flow tuff	Bruce River	Felsic volcanic	Volcanic	76.31	12.41	0.87	0.65
482	GS-09-135	7741468	Weakly altered, pale beige, ash flow tuff hosting anomalous radioactivity	Bruce River	Felsic volcanic	Volcanic	-99	-99	-99	-99
483	GS-09-137	7740288	Fine-grained, dark green, mafic volcanic with chlorite-carbonate filled fractures	Bruce River	Felsic volcanic	Volcanic	46.44	13.94	11.41	0.89
484	GS-09-142	7741469	Pebble conglomerate containing disseminated chalcopyrite	Bruce River	Conglomerate	Sedimentary	-99	-99	-99	-99
485	GS-09-143	7741471	Sandstone hosting finely disseminated chalcopyrite	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
486	GS-09-145	7741472	Pale red, carbonate altered sandstone with up to 1200 cps	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
487	GS-09-146	7741473	Pale green altered sandstone; no anomalous radioactivity	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
488	GS-09-147	7741474	Pale red sandstone	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
489	GS-09-148	7740252	Fine-grained, dark green, non-magnetic basalt; Joe Pond Formation	Moran Lake	Basalt	Volcanic	47.62	13.90	11.64	1.21
490	GS-09-150	7740289	Coarse-grained tonalite	Kanairiktok Intrusive Suite	Tonalite	Plutonic	67.68	15.25	2.16	-99
491	GS-09-151	7740291	Brecciated dolostone immediately above unconformity with tonalite	Moran Lake	Dolostone	Sedimentary	39.36	4.09	3.80	-99
492	GS-09-152	7740292	Massive pale grey dolostone	Moran Lake	Dolostone	Sedimentary	27.17	2.91	2.16	-99
493	GS-09-155	7740293	Unmineralized, brecciated dolostone	Moran Lake	Dolostone	Sedimentary	12.54	2.37	0.83	-99
494	GS-09-156	7740294	Mineralized brecciated dolostone with up to 300 cps	Moran Lake	Dolostone	Sedimentary	10.45	1.86	2.08	-99
495	GS-09-157	7741475	Thinly-bedded, sulfide-rich shale	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
496	GS-09-158	7740295	Medium-grained, sericite-chlorite altered tonalite	Kanairiktok Intrusive Suite	Tonalite	Plutonic	56.68	10.79	2.64	-99
497	GS-09-159	7740296	Highly fractured dolostone	Moran Lake	Dolostone	Sedimentary	11.46	2.37	3.13	-99
498	GS-09-161	7741476	Brecciated dolostone with up to 340 cps	Moran Lake	Dolostone	Sedimentary	-99	-99	-99	-99
499	GS-09-163	7741477	Sulphidic shale immediately above contact with dolostone	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
500	GS-09-164	7740297	Fine-grained, dark green mafic dyke	Undefined	Mafic dyke	Dyke	47.98	11.31	19.29	2.34
501	GS-09-165	7740298	Sulphide-rich shale xenolith contained in dyke	Moran Lake	Argillite	Sedimentary	46.38	4.75	26.29	-99
502	GS-09-166	7741478	Brecciated sulphidic shale	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
503	GS-09-167	7740253	Fine-grained, dark green, non-magnetic basalt	Moran Lake	Basalt	Volcanic	46.71	13.02	15.65	2.02
504	GS-09-169	7741479	Coarse-grained, pale red sandstone	Bruce River	Sandstone	Sedimentary	-99	-99	-99	-99
505	GS-09-170	7741481	Fine-grained ash with "spotty" Fe-carbonate alteration	Bruce River	Tuff	Volcanic	-99	-99	-99	-99
506	GS-09-172	7740254	Fine-grained gabbro	Undefined	Gabbro	Dyke	45.24	11.84	19.24	3.94
507	GS-09-173	7741482	Unmineralized pale beige alteration developed in siltstone	Moran Lake	Siltstone	Alteration	-99	-99	-99	-99
508	GS-09-174	7741483	Hematized-Fe-carbonate altered breccia with up to 400 cps	Moran Lake	Fe-carb./hem. alt.	Alteration	-99	-99	-99	-99
509	GS-09-175	7741484	Unmineralized graphitic, sulphide-rich shale	Moran Lake	Argillite	Sedimentary	-99	-99	-99	-99
510	GS-09-177	7740299	Biotite-carbonate-rich mafic tuff	Post Hill	Mafic tuff	Volcanic	40.13	13.54	12.65	5.61
511	GS-09-182	7741485	Garnetiferous metasediment	Post Hill	Semipelite	Sedimentary	-99	-99	-99	-99
512	GS-09-184	7741486	Thin'ly bedded to laminated siltstone	Post Hill	Semipelite	Sedimentary	-99	-99	-99	-99
513	GS-09-185	7740255	Fine-grained, dark green mafic volcanic	Post Hill	Basalt	Volcanic	50.20	14.26	11.64	1.09

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
514	GS-09-188	7740256	Fine-grained diorite	Post Hill	Diorite	Plutonic	54.02	18.24	7.87	2.31
515	GS-09-189	7740257	Foliated quartz-feldspar porphyry	Post Hill	QFP	Plutonic	77.80	8.69	1.55	0.20
516	GS-09-191	7741487	Altered mafic tuff with up to 300 cps	Post Hill	Tuff	Volcanic	45.33	10.83	21.38	-99
517	GS-09-193	7740301	Thinly bedded, siliceous, purple-pink, sericitic felsic tuff	Aillik	Felsic tuff	Volcanic	66.94	14.86	2.85	2.34
518	GS-09-194	7740258	Siliceous, weakly chlorite-sericite altered, felsic tuff	Aillik	Felsic tuff	Volcanic	63.07	14.89	5.01	3.61
519	GS-09-197	7740302	Chlorite-epidote altered mafic tuff	Post Hill	Mafic tuff	Volcanic	51.46	11.76	10.14	4.67
520	GS-09-199	7740303	Dark-green mafic tuff	Post Hill	Mafic tuff	Volcanic	50.75	14.27	13.26	5.20
521	GS-09-200	7740304	Pale green, chlorite-epidote altered mafic tuff hosting weakly anomalous radioactivity	Post Hill	Mafic tuff	Volcanic	47.69	10.49	11.13	5.79
522	GS-09-201	7740305	Quartz-feldspar porphyry	Undefined	QFP	Plutonic	74.63	9.61	1.38	0.88
523	GS-09-203	7741488	Carbonate altered, weakly hematized, chlorite-rich mafic tuff	Post Hill	Mafic tuff	Volcanic	39.73	12.33	12.43	-99
524	GS-09-204	7741489	Pale purple, fine-grained felsic tuff	Aillik	Felsic tuff	Volcanic	-99	-99	-99	-99
525	GS-09-206	7741491	Hematized, quartz-phyric tuff hosting anomalous radioactivity	Aillik	Felsic volcanic	Alteration	71.38	15.13	2.61	-99
526	GS-09-207	7741492	Pale grey to white albitized felsic metavolcanic	Aillik	Felsic volcanic	Alteration	-99	-99	-99	-99
527	GS-09-208	7741493	Sericite ± pyrite alteration overprinting(?) hematite-albitic altered metavolcanic	Aillik	Felsic volcanic	Alteration	-99	-99	-99	-99
528	GS-09-210	7741494	Hematite-albite altered felsic metavolcanic crosscut by late hematized fractures	Aillik	Felsic volcanic	Alteration	66.91	16.22	4.40	-99
529	GS-09-211	7741495	Strongly foliated, hematized, fine-grained, felsic metavolcanic	Aillik	Felsic volcanic	Alteration	-99	-99	-99	-99
530	GS-09-213	7741496	White weathering, less altered felsic metavolcanic	Aillik	Felsic volcanic	Alteration	-99	-99	-99	-99
531	GS-09-214	7741497	Amphibole-rich, fine-grained metasediment	Aillik	Metasediment	Sedimentary	56.89	15.73	9.08	-99
532	GS-09-215	7741498	Amphibole-magnetite-pyrite alteration within felsic metavolcanic	Aillik	Felsic volcanic	Alteration	52.77	15.72	9.47	-99
533	GS-09-217	7741499	Thin bedded sandstone and interbedded siltstone	Post Hill	Semipelite	Sedimentary	62.37	10.14	15.04	-99
534	GS-09-218	7741501	Fine- to medium-grained intermediate intrusive hosting anomalous radioactivity	Undefined	Granodiorite	Plutonic	56.28	13.33	3.44	-99
535	GS-09-220	7741502	Malachite-stained, sheared and carbonate altered granite	Undefined	Granite	Plutonic	-99	-99	-99	-99
536	GS-09-221	7741503	Weakly radioactive conglomerate with up to 300 cps	Undefined	Conglomerate	Sedimentary	-99	-99	-99	-99
537	GS-09-222	7740306	Gossan zone in mafic intrusive	Undefined	Mafic dyke	Dyke	57.08	15.13	9.52	4.53
538	GS-14-001	7740903	Maggo gneiss	Archean	Gneiss	Metamorphic	68.74	15.57	2.40	1.07
539	GS-14-002	7740904	Fine-grained, dark green Mafic dyke	Undefined	Mafic dyke	Dyke	48.60	15.87	12.29	3.42
540	GS-14-006	7740905	K-feldspar-quartz-rich pegmatite	Undefined	Pegmatite	Plutonic	71.54	14.83	0.64	0.24
541	GS-14-007	7740906	Unaltered, medium-grained granodiorite	Archean	Granodiorite	Plutonic	66.49	16.18	3.73	1.51
542	GS-14-011	7740907	Fine-grained, dark green Mafic dyke	Undefined	Mafic dyke	Dyke	39.48	14.55	18.19	9.07
543	GS-14-019	7740908	Amphibole-rich granodiorite due to contact metamorphism	Archean	Granodiorite	Plutonic	48.90	19.69	8.67	3.85
544	GS-14-020	7740909	Medium-grained, relatively unaltered, K-feldspar-rich grainte	Archean	Granite	Plutonic	63.85	17.23	3.43	2.83
545	GS-14-033	7740911	Fine-grained, dark green mafic dyke	Undefined	Mafic dyke	Dyke	40.93	15.27	17.98	6.96
546	GS-14-035	7740912	Unaltered, medium-grained granodiorite	Archean	Granodiorite	Plutonic	55.08	16.60	7.64	2.38
547	GS-14-038	7740913	Fine-grained, dark green mafic dyke	Undefined	Mafic dyke	Dyke	28.01	15.25	19.91	6.55
548	GS-14-039	7740914	Maggo gneiss	Archean	Gneiss	Metamorphic	72.27	14.70	0.91	0.07
549	GS-14-040	7740915	Quartz-K-feldspar-rich granite	Archean	Granodiorite	Plutonic	73.95	14.18	1.17	0.69
550	GS-14-041	7741504	Hematite altered pegmatite with up to 250 cps	Undefined	Pegmatite	Plutonic	86.15	2.92	6.36	-99
551	GS-14-043	7740917	Fine-grained, weakly plagioclase-phyric, mafic dyke	Undefined	Mafic dyke	Dyke	52.28	14.53	8.27	1.78
552	GS-14-046	7741505	Carbonate-rich, cataclastic breccia in fine-grained mafic volcanic	Moran Lake	Fe-carb./hem. alt.	Alteration	49.17	12.88	12.01	-99
553	GS-14-047	7741506	Hematite-Fe-carbonate altered mafic metavolcanic	Moran Lake	Fe-carb./hem. alt.	Alteration	37.94	10.83	10.11	-99
554	GS-14-048	7741507	Brecciated hematite-Fe-carbonate alteration within mafic metavolcanic	Moran Lake	Fe-carb./hem. alt.	Alteration	37.71	9.38	11.52	-99
555	GS-14-049	7740918	Unaltered, fine-grained mafic metavolcanic	Moran Lake	Basalt	Volcanic	47.07	13.96	12.57	1.66
556	GS-14-051	7741508	Weakly brecciated, hematite altered, fine-grained mafic metavolcanic	Moran Lake	Fe-carb./hem. alt.	Alteration	47.07	10.00	16.19	-99
557	GS-14-054	7740919	Unaltered, fine-grained mafic metavolcanic	Moran Lake	Basalt	Volcanic	43.78	12.75	11.52	0.78
558	GS-14-057	7741001	Brecciated hematite-Fe-carbonate alteration within mafic metavolcanic	Moran Lake	Breccia	Alteration	30.58	8.65	11.47	3.94
559	GS-14-058	7741509	Hematized conglomerate of the Heggart Lake Formation	Bruce River	Conglomerate	Alteration	62.65	10.89	3.68	-99
560	GS-14-060	7740921	Unaltered conglomerate of the Heggart Lake Formation	Bruce River	Conglomerate	Sedimentary	70.47	13.94	3.72	2.96
561	GS-14-063	7740922	Unaltered, fine-grained mafic metavolcanic	Moran Lake	Basalt	Volcanic	44.98	11.88	14.69	1.15
562	GS-14-064	7740923	Medium-grained, plagioclase-phyric gabbroic dyke	Undefined	Gabbro	Dyke	46.51	15.46	11.44	1.27
563	GS-14-065	7741002	Brecciated hematite-Fe-carbonate alteration within mafic metavolcanic	Moran Lake	Breccia	Alteration	29.84	7.17	12.04	0.92
564	GS-14-067	7740924	Plagioclase-phyric mafic dyke containing mm-scale zoned feldspar	Undefined	Mafic dyke	Dyke	37.69	10.11	10.67	0.97
565	GS-14-072	7741511	Fe-carbonate-albite alteration with anomalous radioactivity	Moran Lake	Fe-carb./hem. alt.	Alteration	44.38	9.88	12.59	-99
566	GS-14-073	7741512	Brecciated hematite-Fe-carbonate alteration with up to 700 cps	Moran Lake	Fe-carb./hem. alt.	Alteration	39.31	8.81	12.67	-99
567	GS-14-076	7740925	Unaltered, fine-grained mafic metavolcanic	Moran Lake	Basalt	Volcanic	44.21	12.15	10.97	1.12
568	GS-14-077	7740926	Fine-grained, gabbroic dyke	Undefined	Gabbro	Plutonic	43.75	14.10	15.30	3.58
569	GS-14-078	7740927	Unaltered, fine-grained mafic metavolcanic	Moran Lake	Basalt	Volcanic	46.41	11.34	17.77	1.06
570	GS-14-079	7741513	Fe-carbonate-albite alteration with anomalous radioactivity	Moran Lake	Breccia	Alteration	37.60	10.82	8.45	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
571	GS-14-081	7741514	Weakly brecciated hematite-Fe-carbonate alteration	Moran Lake	Breccia	Alteration	36.68	10.67	8.04	-99
572	GS-14-087	7741515	Weakly brecciated hematite-Fe-carbonate alteration	Moran Lake	Breccia	Alteration	32.89	9.83	9.21	-99
573	GS-14-088	7740928	Unaltered, fine-grained mafic metavolcanic	Undefined	Gabbro	Plutonic	44.62	15.08	17.58	6.63
574	GS-14-090	7740929	Fine-grained, dark green, non-magnetic mafic metavolcanic	Moran Lake	Mafic dyke	Dyke	46.84	14.38	11.78	1.82
575	GS-14-091	7740931	Medium-grained gabbro, mag 32.60	Undefined	Gabbro	Plutonic	48.63	15.62	12.11	2.42
576	GS-14-092	7740932	Chlorite altered tonalite	Archean	Granodiorite	Plutonic	69.62	15.28	1.62	0.47
577	GS-14-094	7740933	Fine- to -medium-grained, chlorite altered, granodiorite/tonalite	Archean	Granodiorite	Plutonic	68.99	15.69	3.16	0.59
578	GS-14-095	7740934	Medium-grained granodiorite	Archean	Granodiorite	Plutonic	69.38	15.71	2.28	0.77
579	GS-14-096	7740935	Strongly foliated mafic dyke	Undefined	Mafic dyke	Dyke	42.49	15.73	12.17	5.79
580	GS-14-097	7740936	Fine-grained, undeformed, dark green mafic dyke	Undefined	Mafic dyke	Dyke	47.01	15.59	13.53	2.57
581	GS-14-098	7741516	Hematite altered granodiorite/tonalite with rare carbonate veining and locally up to 1000 cps	Archean	Granodiorite	Alteration	49.19	15.63	3.64	-99
582	GS-14-099	7740937	Moderately foliated mafic dyke	Undefined	Mafic dyke	Dyke	41.49	4.92	13.82	3.96
583	GS-14-101	7740938	Medium-grained granodiorite	Archean	Granodiorite	Plutonic	69.21	14.29	2.13	0.63
584	GS-14-103	7741517	Cataclastic breccia in granodiorite hosting anomalous radioactivity	Archean	Granodiorite	Alteration	59.34	16.64	1.50	-99
585	GS-14-105	7740939	Fine-grained, dark green mafic dyke	Undefined	Mafic dyke	Dyke	31.46	18.73	18.08	6.30
586	GS-14-106	7740941	Weakly hematized, medium-grained granodiorite	Archean	Granodiorite	Plutonic	63.00	16.35	4.80	0.82
587	GS-14-107	7740942	Fine-grained, dark green mafic dyke with abundant white carbonate veining	Undefined	Mafic dyke	Dyke	47.03	14.30	12.19	1.70
588	GS-14-108	7741518	Pyrite-bearing, siltsone hosting cm-scale clasts of metavolcanic	Moran Lake	Siltstone	Sedimentary	80.40	5.07	4.04	-99
589	GS-14-109	7740943	Unaltered, fine-grained mafic metavolcanic	Moran Lake	Basalt	Volcanic	46.02	13.96	11.40	0.63
590	GS-14-110	7741519	Strong hematite alteration; no assocaited radioactivity	Archean	Granodiorite	Alteration	57.62	13.49	4.20	-99
591	GS-14-112	7740944	Hematized granodiorite	Archean	Granodiorite	Alteration	60.52	15.50	3.49	1.81
592	GS-14-113	7740945	Brecciated hematite-Fe-carbonate-albite alteration	Moran Lake	Breccia	Alteration	30.35	8.43	12.92	5.06
593	GS-14-114	7740946	Brecciated hematite-Fe-carbonate-albite alteration	Moran Lake	Breccia	Alteration	27.82	8.11	11.61	4.73
594	GS-14-115	7740947	Weakly brecciated hematite-Fe-carbonate alteration	Moran Lake	Breccia	Alteration	40.85	12.71	10.85	3.99
595	GS-14-116	7740948	Unaltered, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	43.77	14.67	16.98	6.30
596	GS-14-118	7740949	Weakly brecciated hematite-Fe-carbonate alteration	Moran Lake	Fe-carb./hem. alt.	Alteration	37.83	10.85	8.58	5.47
597	GS-14-120	7740951	Milled hydrothermal breccia in hematite-carbonate-albite alteration	Moran Lake	Breccia	Alteration	36.61	10.74	11.40	4.34
598	GS-14-128	7740952	Unaltered, fine-grained mafic metavolcanic	Moran Lake	Basalt	Volcanic	43.34	12.36	11.15	0.89
599	GS-14-129	7740953	Medium-grained gabbro	Bruce River	Gabbro	Plutonic	55.38	15.71	8.01	1.71
600	GS-14-130	7740954	Pale grey, medium-grained granite; dated at 1772 ± 10 Ma	Bruce River	Granite	Plutonic	68.75	14.93	2.54	0.33
601	GS-14-131	7740955	Medium-grained, diorite phase of Henri Lake gabbro	Bruce River	Diorite	Plutonic	52.21	12.71	7.98	1.93
602	GS-14-132	7740956	Medium-grained, gabbroic phase of Henri Lake gabbro	Bruce River	Gabbro	Plutonic	41.73	5.08	9.56	4.89
603	GS-14-135	7740957	Fine-grained, marginal mafic phase of Henri Lake gabbro	Bruce River	Gabbro	Plutonic	48.31	9.46	9.22	1.56
604	GS-14-137	7741521	Unmineralized red sandstone	Bruce River	Sandstone	Sedimentary	73.50	12.44	2.11	-99
605	GS-14-138	7741522	Weakly radioactive red sandstone adjacent to dyke	Bruce River	Sandstone	Sedimentary	59.55	13.29	5.20	-99
606	GS-14-139	7741523	Mineralized, fine-grained mafic dyke	Undefined	Mafic dyke	Dyke	41.39	17.75	14.71	-99
607	GS-14-140	7741524	Weakly mineralized, pale red, carbonate altered sandstone; contains minor chalcopyrite	Bruce River	Sandstone	Sedimentary	49.81	16.33	5.39	-99
608	GS-14-142	7740958	Unaltered, fine-grained mafic metavolcanic	Moran Lake	Basalt	Volcanic	45.81	14.09	12.12	0.65
609	GS-14-143	7741525	Mineralized chloritic sandstone	Bruce River	Sandstone	Sedimentary	71.01	9.71	2.21	-99
610	GS-14-144	7741526	Unmineralized, chloritic sandstone	Bruce River	Sandstone	Sedimentary	72.48	10.62	2.49	-99
611	GS-14-145	7741527	Unmineralized red sandstone above mineralized zone	Bruce River	Sandstone	Sedimentary	75.48	11.49	2.57	-99
612	GS-14-146	7741528	Unmineralized red sandstone above mineralized zone	Bruce River	Sandstone	Sedimentary	76.91	12.49	2.17	-99
613	GS-14-147	7741529	Unmineralized, chloritic sandstone	Bruce River	Sandstone	Sedimentary	74.49	9.90	2.92	-99
614	GS-14-148	7741531	Mineralized chloritic sandstone with disseminated pyrite and up to 500 cps	Bruce River	Sandstone	Sedimentary	65.52	8.03	3.79	-99
615	GS-14-149	7741532	Unmineralized, chloritic sandstone with siltstone rip-ups	Bruce River	Sandstone	Sedimentary	68.45	10.15	2.75	-99
616	GS-14-151	7741533	Hematite-carbonate altered mafic intrusive hosting anomalous radioactiviity	Undefined	Mafic dyke	Alteration	43.82	13.54	7.40	-99
617	GS-14-152	7741534	Fe-carbonate-albite-hematite alteration within mafic intrusive	Undefined	Mafic dyke	Alteration	42.08	12.18	6.43	-99
618	GS-14-157	7741535	450-500 cps, Fe-carb alt	Bruce River	Sandstone	Sedimentary	33.67	9.60	10.76	-99
619	GS-14-158	7741536	Red, fine-grained sandstone	Bruce River	Sandstone	Sedimentary	72.74	12.68	2.48	-99
620	GS-14-159	7741537	Hematite-carbonate altered sandstone with up to 500-600 cps	Bruce River	Sandstone	Alteration	41.77	14.70	10.13	-99
621	GS-14-160	7740963	Red, fine-grained sandstone	Bruce River	Sandstone	Sedimentary	69.43	12.99	2.08	1.13
622	GS-14-161	7741003	Fine-grained, pale grey sandstone hosting anomalous radioactivity	Bruce River	Sandstone	Sedimentary	72.92	11.07	2.01	0.47
623	GS-14-162	7741538	Pyrite-rich, pale grey sandstone hosting rare rip-up clasts	Bruce River	Sandstone	Sedimentary	69.64	11.31	3.33	-99
624	GS-14-164	7741539	Fine-grained, light green siltstone	Moran Lake	Siltstone	Sedimentary	52.64	13.16	17.09	-99
625	GS-14-165	7741541	Fine-grained, interbedded siltstone and shale	Moran Lake	Siltstone	Sedimentary	55.17	16.56	11.80	-99
626	GS-14-166	7741542	Fine-grained, interbedded siltstone and shale	Moran Lake	Siltstone	Sedimentary	54.51	20.78	10.31	-99
627	GS-14-167	7741543	Weakly radioactive dolostone	Moran Lake	Dolostone	Sedimentary	22.71	0.73	1.44	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
628	GS-14-169	7740964	Biotite- bearing, feldspar-rich granite	Archean	Granite	Plutonic	67.26	15.31	2.68	0.78
629	GS-14-170	7740965	Biotite-bearing, K-feldspar-rich granite	Archean	Granite	Plutonic	67.66	16.05	3.09	1.47
630	GS-14-171	7740966	Medium-grained granodiorite	Archean	Granodiorite	Plutonic	69.63	14.43	3.21	0.56
631	GS-14-172	7740967	Thinly banded/foliated, very siliceous, pale red metasediment	Post Hill	Semipelite	Sedimentary	68.27	13.23	2.23	1.19
632	GS-14-173	7740968	Thinly banded/foliated, fine-grained, dark green metasediment	Post Hill	Amphibolite	Metamorphic	51.25	13.17	13.87	2.68
633	GS-14-174	7740969	Fine-grained, pale pink, felsic dyke or tuff	Undefined	QFP	Plutonic	71.37	15.01	1.41	0.65
634	GS-14-176	7740971	Strongly foliated sammite to semipelite	Post Hill	Semipelite	Sedimentary	61.64	9.18	11.12	3.37
635	GS-14-177	7740972	Fine-grained, amphibolite/mafic metavolcanic	Post Hill	Amphibolite	Metamorphic	48.26	14.19	11.03	2.00
636	GS-14-179	7741544	Amphibolite hosting amphibole-carbonate-bearing veins associated with up to 830 cps	Post Hill	Amphibolite	Metamorphic	42.89	11.44	18.20	-99
637	GS-14-180	7740973	Fine-grained, pale grey, weak to moderately foliated felsic dyke	Undefined	Felsic dyke	Dyke	75.25	13.55	1.10	0.45
638	GS-14-181	7740974	Fine-grained, dark green mafic metavolcanic	Post Hill	Basalt	Volcanic	47.99	14.15	12.37	1.92
639	GS-14-182	7741004	Fine-grained, thinly bedded semipelite	Post Hill	Semipelite	Sedimentary	59.60	13.73	13.63	1.66
640	GS-14-183	7741545	White quartz vein hosting fine-grained, pale pink mineral	Undefined	Vein	Vein	74.38	14.97	0.74	-99
641	GS-14-184	7740975	Coarse-grained granodiorite/monzodiorite	Archean	Granodiorite	Plutonic	67.16	15.18	3.65	1.48
642	GS-14-185	7741546	Aplite dyke associated with weakly anomalous radioactivity	Undefined	Aplite dyke	Dyke	74.21	14.77	1.16	-99
643	GS-14-186	7740976	Medium-grained granodiorite/monzodiorite	Archean	Granodiorite	Plutonic	69.21	15.14	2.80	0.35
644	GS-14-187	7741547	K-feldspar-rich pegmatite with anomalous radioactivity	Undefined	Pegmatite	Plutonic	74.20	13.45	1.12	-99
645	GS-14-188	7740977	Fine-grained, siliceous siltstone	Moran Lake	Siltstone	Sedimentary	69.07	13.58	4.22	0.79
646	GS-14-189	7741548	Hematite altered breccia	Archean	Granodiorite	Alteration	63.61	13.95	5.59	-99
647	GS-14-191	7741549	Pale pink, radioactive pegmatite	Undefined	Pegmatite	Plutonic	73.35	13.35	1.22	-99
648	GS-14-192	7740978	Medium-grained, chlorite-epidote altered granodiorite	Archean	Granodiorite	Plutonic	62.73	17.06	4.70	1.77
649	GS-14-193	7741551	Rusty weathering, black shale	Moran Lake	Siltstone	Sedimentary	64.75	17.43	4.75	-99
650	GS-14-194	7741552	Rusty weathering siltstone	Moran Lake	Siltstone	Sedimentary	58.36	16.13	9.42	-99
651	GS-14-195	7741553	Pale pink fine-grained sandstone hosting anomalous radioactivity	Bruce River	Sandstone	Sedimentary	72.79	13.90	2.01	-99
652	GS-14-197	7740979	Pale grey, intermediate volcanic	Bruce River	Intermed. volcanic	Volcanic	51.02	11.70	8.66	1.83
653	GS-14-198	7740981	Pale purple, feldspar-phyric intermediate volcanic	Bruce River	Intermed. volcanic	Volcanic	49.71	12.86	8.57	4.28
654	GS-14-199	7740982	Pale purple, feldspar-phyric, felsic crystal tuff	Bruce River	Felsic volcanic	Volcanic	71.73	13.55	1.84	1.23
655	GS-14-200	7740983	Pale pink, feldspar-phyric, crystal tuff	Bruce River	Felsic volcanic	Volcanic	74.45	12.57	1.28	0.83
656	GS-14-201	7740984	Pale pink, feldspar-phyric, crystal tuff hosting magnetite veining	Bruce River	Felsic volcanic	Volcanic	61.71	18.02	3.54	2.24
657	GS-14-203	7740985	Pink, feldspar-phyric crystal tuff; dated at 1645 ± 4 Ma	Bruce River	Felsic volcanic	Volcanic	74.59	12.66	1.24	0.89
658	GS-14-207	7741554	Hematite-magnetite alteration in strongly foliated felsic metavolcanic with elevated radioactivity	Bruce River	Felsic volcanic	Volcanic	49.55	14.32	23.45	-99
659	GS-14-208	7741555	Unmineralized semipelite	Post Hill	Semipelite	Sedimentary	62.95	14.27	8.21	-99
660	GS-14-209	7741556	Minerlalized semipelite with up to 450 cps	Post Hill	Semipelite	Alteration	54.59	16.03	11.39	-99
661	GS-14-210	7741557	Mineralized semipelite with locally up to 200 cps	Post Hill	Semipelite	Alteration	55.47	16.43	11.90	-99
662	GS-14-211	7741558	Unmineralized semipelite above mineralized zone	Post Hill	Semipelite	Sedimentary	59.69	15.00	10.81	-99
663	GS-14-212	7741559	Fine- to medium-grained granodiorite, up to 2000 cps locally	Undefined	Granodiorite	Plutonic	67.18	16.99	2.33	-99
664	GS-14-220	7740986	Albitic alteration with relic "vuggy" textured zones within felsic metavolcanic	Aillik	Intermed. volcanic	Volcanic	72.66	12.55	3.63	2.15
665	GS-14-221	7741561	Foliated, pale pink, felsic metavolcanic; background of 250 cps	Aillik	Felsic volcanic	Volcanic	75.32	11.97	1.80	-99
666	GS-14-222	7741562	Sugary textured, moderately foliated, felsic metavolcanic with up to 350 cps	Aillik	Felsic volcanic	Volcanic	74.85	12.47	1.98	-99
667	GS-14-223	7741563	Hematite-albite alteration within strongly foliated felsic metavolcanic with up to 250-300 cps	Aillik	Felsic volcanic	Volcanic	77.63	11.36	2.00	-99
668	GS-14-224	7741564	Strongly foliated, altered metavolcanic locally hosting up to 1400 cps	Aillik	Felsic volcanic	Volcanic	76.48	11.17	1.69	-99
669	GS-14-225	7741565	Strongly foliated grey metavolcanic, locally hosting up to 700 cps	Aillik	Felsic volcanic	Volcanic	76.74	12.14	1.58	-99
670	GS-14-226	7741566	Medium-grained leucogranite	Undefined	Leucogranite	Plutonic	76.55	12.29	1.89	-99
671	GS-14-227	7740987	Strongly foliated granodiorite	Undefined	Granodiorite	Plutonic	69.22	14.79	2.36	0.96
672	GS-14-230	7740988	Felsic core of the coarsely porphyritic complex dyke	Aillik	Complex dyke	Dyke	67.34	13.57	6.02	3.65
673	GS-14-232	7740989	Unmineralized, coarsely porphyritic metavolcanic	Aillik	Felsic volcanic	Volcanic	73.20	12.23	3.38	2.16
674	GS-14-240	7741567	Mineralized coarsely porphyritic metavolcanic	Aillik	Felsic volcanic	Volcanic	68.38	14.05	4.02	-99
675	GS-14-241	7741568	Unmineralized metavolcanic between upper and lower mineralized zones	Aillik	Felsic volcanic	Volcanic	71.89	13.39	3.58	-99
676	GS-14-242	7741569	Mineralized metavolcanic from top portion of lower mineralized zone	Aillik	Felsic volcanic	Volcanic	76.64	11.56	2.48	-99
677	GS-14-243	7741571	Mineralized coarsely porphyritic metarhyolite from center of lower mineralized zone	Aillik	Porph. dyke	Dyke	72.71	13.82	3.45	-99
678	GS-14-244	7741572	Mineralized metavolcanic from lower portion of mineralized zone	Aillik	Felsic volcanic	Volcanic	70.57	13.25	4.67	-99
679	GS-14-245	7740991	Fine-grained, chlorite-rich mafic metavolcanic	Aillik	Basalt	Volcanic	47.00	8.65	9.43	2.57
680	GS-14-246	7740992	Medium-grained, quartz monzodiotite	Undefined	Monzonite	Plutonic	63.33	16.63	4.96	1.69
681	GS-14-247	7740993	Fine-grained, non-magnetic, chlorite-rich mafic metavolcanic	Aillik	Basalt	Volcanic	50.61	11.06	8.77	1.55
682	GS-14-248	7741573	Amphibole alteration associated with mineralization within mafic metavolcanic	Aillik	Basalt	Volcanic	60.14	13.74	6.23	-99
683	GS-14-249	7740994	Fine-grained felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.67	12.77	1.83	0.81
684	GS-14-252	7740995	Felsic core of the coarsely porphyritic complex dyke; dated at 1854.5 ± 3 Ma	Aillik	Complex dyke	Dyke	69.01	12.90	5.39	3.09

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ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
685	GS-15-015	7741017	Quartz-feldspar porphyry dyke	Aillik	QFP	Plutonic	61.98	16.40	6.13	3.87
686	GS-15-016	7741018	Quartz-feldspar porphyry with bluish, mm-scale quartz phenocyrsts	Aillik	QFP	Plutonic	76.83	11.82	2.64	1.43
687	GS-15-017	7741019	Fine-grained intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	59.82	16.15	6.59	3.86
688	GS-15-018	7741021	Quartz-feldspar porphyry with bluish, mm-scale quartz phenocyrsts	Aillik	QFP	Plutonic	75.02	12.00	3.69	2.01
689	GS-15-019	7741022	Moderately to strongly magnetic, mafic hyaloclastite	Moran Lake	Hyaloclastite	Volcanic	37.82	5.42	21.11	3.54
690	GS-15-020	7741023	Unaltered metabasalt	Moran Lake	Basalt	Volcanic	44.17	12.57	10.33	1.28
691	GS-15-022	7741024	Post mineralization, dark green, porphyritic mafic dyke	Undefined	Mafic dyke	Dyke	44.24	12.20	9.60	1.10
692	GS-15-027	7741025	Fine-grained gabbro dyke	Undefined	Gabbro	Plutonic	47.52	16.74	12.63	4.74
693	GS-15-028	7741574	Radioactive, magnetite-bearing breccia	Moran Lake	Breccia	Alteration	45.27	12.27	11.33	-99
694	GS-15-029	7741026	Medium-grained gabbro	Undefined	Gabbro	Plutonic	44.61	14.49	16.96	6.38
695	GS-15-032	7741027	Pale green, porphyritc mafic dyke containing subrounded dark green phenocrysts	Undefined	Mafic dyke	Dyke	40.50	16.06	8.65	1.99
696	GS-15-033	7741028	Unaltered metabasalt	Moran Lake	Basalt	Volcanic	47.09	14.55	10.98	-99
697	GS-15-034	7741029	Maroon, moderately magnetic, weakly radioactive mafic metavolcanic	Moran Lake	Basalt	Alteration	42.77	12.89	11.45	3.41
698	GS-15-035	7741159	Dark purple, weakly radioactive mafic metavolcanics	Moran Lake	Basalt	Alteration	39.63	11.89	10.35	4.47
699	GS-15-037	7741575	Radioactive, magnetite-bearing breccia in hematized mafic metavolcanic	Moran Lake	Breccia	Alteration	43.14	12.56	15.52	-99
700	GS-15-039	7741031	Hematite-rich breccia	Moran Lake	Breccia	Alteration	35.73	10.23	11.73	9.62
701	GS-15-040	7741576	Up to 500 cps in non-magnetic, weakly hematized chert	Moran Lake	Chert	Alteration	56.22	3.27	14.45	-99
702	GS-15-041	7741032	Intermediate, fine-grained, non-magnetic intrusive	Undefined	Gabbro	Plutonic	48.98	16.24	9.51	1.30
703	GS-15-043	7741033	Fine-grained metabasalt crosscut by abundant white quartz-carbonate veins	Moran Lake	Basalt	Volcanic	48.32	13.67	12.70	2.36
704	GS-15-045	7741577	Foliated and weakly brecciated, carbonate altered, metabasalt	Moran Lake	Basalt	Alteration	42.22	10.27	10.65	-99
705	GS-15-046	7741034	Moderately to strongly magnetic, mafic hyaloclastite	Moran Lake	Hyaloclastite	Volcanic	36.76	5.28	21.44	2.75
706	GS-15-048	7741035	Moderately to strongly magnetic, fine-grained gabbro	Undefined	Gabbro	Plutonic	44.03	4.32	12.84	5.50
707	GS-15-049	7741036	Chlorite altered fine-grained mafic metavolcanic	Moran Lake	Basalt	Volcanic	47.58	14.19	15.58	1.51
708	GS-15-050	7741578	Moderately hematite altered and brecciated mafic volcanic with up to 300 cps	Moran Lake	Breccia	Alteration	37.31	10.03	8.11	-99
709	GS-15-051	7741037	Hematite and carbonate altered, moderately fractured, mafic metavolcanic with up to 400 cps	Moran Lake	Breccia	Alteration	41.73	12.56	15.77	2.47
710	GS-15-053	7741038	Fine-grained mafic metavolcanic with weakly developed brecciation	Moran Lake	Hematite breccia	Alteration	39.60	14.98	21.72	3.00
711	GS-15-054	7741579	Fe-oxide-rich breccia	Moran Lake	Hematite breccia	Alteration	35.14	10.62	8.54	-99
712	GS-15-055	7741041	Fe-oxide-rich breccia	Moran Lake	Hematite breccia	Alteration	30.06	8.74	10.25	7.73
713	GS-15-056	7741042	Fe-oxide-rich breccia	Moran Lake	Hematite breccia	Alteration	40.23	11.80	18.87	15.25
714	GS-15-057	7741043	Unaltered mafic metavolcanic	Moran Lake	Basalt	Volcanic	49.53	14.27	12.09	1.45
715	GS-15-058	7741581	Sugary textured, porphyritic felsic metarhyolite with up to 400 cps	Aillik	Porph. dyke	Dyke	73.87	12.00	3.31	-99
716	GS-15-059	7741582	Moderately foliated, hematite-altered, porphyritic metarhyolite with up to 2500 cps	Aillik	Porph. dyke	Dyke	71.76	13.06	5.12	-99
717	GS-15-061	7741044	Vessicular pillow basalt	Aillik	Basalt	Volcanic	54.38	16.31	7.57	1.77
718	GS-15-062	7741045	Fine-grained, foliated felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	70.81	14.82	2.31	0.36
719	GS-15-063	7741046	Sugary textured, fine-grained, felsic metavolcanic with up to 500 cps	Aillik	Felsic volcanic	Volcanic	73.89	12.12	1.96	0.75
720	GS-15-064	7741047	Rusty weathering, altered granite	Undefined	Granite	Plutonic	76.19	12.61	1.25	-99
721	GS-15-065	7741048	Magnetite-rich breccia cutting coarsely-porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	68.84	12.11	7.29	4.31
722	GS-15-066	7741049	Mafic tuff with cm-scale elongate carbonate-rich lenses	Aillik	Mafic tuff	Volcanic	52.84	16.16	6.39	0.93
723	GS-15-067	7741583	Hematite altered, moderately foliated, felsic metavolcanic rock with up to 4500 cps	Aillik	Felsic volcanic	Volcanic	64.97	16.24	5.84	-99
724	GS-15-068	7741051	Biotite-bearing, fine-grained, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	70.34	13.01	4.27	2.17
725	GS-15-069	7741052	Weakly porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	70.52	12.63	4.43	1.83
726	GS-15-070	7741053	Foliated mafic dyke	Undefined	Mafic dyke	Dyke	49.24	14.56	11.61	3.06
727	GS-15-071	7741584	Weakly hematite altered, porphyritic felsic metavolcanic hosting elevated radioactivity	Aillik	Felsic volcanic	Alteration	71.68	12.92	4.97	-99
728	GS-15-072	7741055	Sugary textured, porphyritic felsic metavolcanic with up to 350 cps	Aillik	Felsic volcanic	Volcanic	71.29	12.57	4.09	1.98
729	GS-15-073	7741056	Weakly hematite altered, porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	70.24	12.90	4.52	2.17
730	GS-15-074	7741057	Moderately to strongly altered, porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Alteration	76.25	11.35	1.90	1.20
731	GS-15-075	7741058	Magnetite-veined, porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Alteration	66.59	13.54	6.77	2.98
732	GS-15-076	7741059	Finely porphyritic metavolcanic	Aillik	Felsic volcanic	Volcanic	70.63	12.54	4.77	2.36
733	GS-15-077	7741061	Moderately altered, coarsely porphyritic, metarhyolite	Aillik	Porph. dyke	Dyke	73.53	11.40	3.01	1.44
734	GS-15-078	7741062	Magnetite-amphibolite veining in felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	68.93	12.56	4.78	1.70
735	GS-15-079	7741585	Coarse-grained, post-tectonic, granite	Undefined	Granite	Plutonic	65.85	15.28	3.42	-99
736	GS-15-080	7741586	Radioactive, felsic metavolcanic immediately adjacent to granite intrusion	Aillik	Felsic volcanic	Volcanic	78.08	11.49	1.69	-99
737	GS-15-082	7741063	Finely porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.76	12.46	3.23	1.43
738	GS-15-083	7741064	Medium-grained, biotite-bearing granite	Undefined	Granite	Plutonic	66.18	16.43	2.53	0.44
739	GS-15-084	7741065	Moderately altered, finely porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	70.72	12.55	3.68	1.62
740	GS-15-085	7741066	Weakly altered, finely porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.12	12.24	3.48	0.87
741	GS-15-086	7741067	Strongly foliated, biotite-rich schist	Undefined	Schist	Metamorphic	53.76	15.32	9.55	3.19

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ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
742	GS-15-087	7741068	Biotite-bearing, xenolith-rich, foliated granite	Undefined	Granite	Plutonic	72.21	12.88	2.42	0.58
743	GS-15-088	7741587	Mineralized felsic metavolcanic immediately adjacent to granite intrusion	Aillik	Felsic volcanic	Volcanic	68.63	12.42	7.26	-99
744	GS-15-089	7741588	Fine-grained, moderately foliated mineralized felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	63.90	16.52	6.15	-99
745	GS-15-090	7741069	Moderately foliated intermediate intrusion	Undefined	Granodiorite	Plutonic	68.32	12.63	6.18	3.42
746	GS-15-091	7741071	Moderately foliated, coarsely porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	70.66	12.69	4.14	2.11
747	GS-15-092	7741072	Weakly altered, fine-grained, weakly porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	75.68	11.95	2.26	0.87
748	GS-15-093	7741073	Strongly altered, coarsely porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	75.19	11.70	2.23	0.74
749	GS-15-094	7741074	Strongly foliated and altered felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	76.24	11.86	2.43	0.72
750	GS-15-095	7741075	Weakly altered, porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	71.74	12.66	3.59	1.56
751	GS-15-096	7741076	Weakly altered porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	72.85	12.73	3.66	0.77
752	GS-15-097	7741077	Weakly hematized, strongly foliated weakly porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	74.47	10.30	3.52	2.35
753	GS-15-098	7741078	Weakly hematized, coarsely porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	60.10	17.58	4.61	2.98
754	GS-15-099	7741079	Weakly hematized, coarsely porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	72.10	12.63	3.48	1.60
755	GS-15-100	7741081	Relatively fresh, weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	71.67	12.82	4.06	1.80
756	GS-15-101	7741082	Moderately altered, porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	71.42	12.63	4.25	2.39
757	GS-15-102	7741083	Weakly hematized, porphyritic metarhyolite	Aillik	Porph. dyke	Dyke	70.77	12.32	3.25	1.43
758	GS-15-103	7741084	Unaltered, porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	69.51	12.51	4.15	1.02
759	GS-15-104	7741085	Relatively fresh, weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	71.48	12.54	4.27	1.98
760	GS-15-105	7741086	Weakly altered, porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	71.37	12.21	4.62	2.37
761	GS-15-106	7741087	Medium-grained, K-feldspar-rich granite	Undefined	Granite	Plutonic	75.99	12.81	1.36	0.05
762	GS-15-107	7741088	Weakly altered, finely porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	69.46	12.50	4.68	2.44
763	GS-15-108	7741089	Moderately hematized, porphyritic, felsic metavolanic	Aillik	Felsic volcanic	Volcanic	71.98	11.76	3.48	1.73
764	GS-15-109	7741091	Moderatly altered, coarsely porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	71.04	12.53	3.96	1.94
765	GS-15-111	7741092	Fine-grained, weakly porhpyritic metavolcanic adjacent to intrusive	Aillik	Felsic volcanic	Volcanic	73.22	12.43	2.63	1.15
766	GS-15-112	7741093	Relatively fresh, weakly porphyritic, metarhyolite	Aillik	Porph. dyke	Dyke	72.53	11.88	2.97	1.49
767	GS-15-114	7741094	Relatively fresh, weakly porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	71.48	12.54	3.74	3.09
768	GS-15-115	7741095	Foliated and weakly altered, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	75.15	11.77	1.72	1.15
769	GS-15-117	7741096	Moderately altered, coarsely porphyritic, metarhyolite	Aillik	Porph. dyke	Dyke	60.52	17.68	5.43	3.16
770	GS-15-118	7741097	Weak to moderately altered, porphyritic, metarhyolite	Aillik	Porph. dyke	Dyke	71.96	12.23	3.35	2.01
771	GS-15-119	7741589	Strongly foliated and albitized, porphyritic, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	67.78	16.43	3.56	-99
772	GS-15-121	7741591	Strongly foliated, non-magnetic, amphibole-rich metavolcanic	Aillik	Felsic volcanic	Volcanic	61.49	19.64	3.57	-99
773	GS-15-122	7741592	Hematite-albite altered, felsic metavolcanic hosting elevated radioactivity	Aillik	Felsic volcanic	Volcanic	63.91	17.07	3.33	-99
774	GS-15-123	7741099	Fine-grained granite	Undefined	Granite	Plutonic	73.10	13.34	1.84	0.73
775	GS-15-124	7741101	Coarse-grained, K-feldspar porphyritic, granite	Undefined	Granite	Plutonic	64.45	13.76	6.58	1.67
776	GS-15-126	7741102	Quartz-K-feldspar-rich granite	Undefined	Granite	Plutonic	68.48	14.35	3.80	1.63
777	GS-15-128	7741103	Altered intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	56.07	14.97	8.79	6.06
778	GS-15-129	7741104	Weakly altered intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	55.42	15.59	9.60	8.22
779	GS-15-130	7741105	Post-alteration, fine-grained, mafic dyke	Undefined	Mafic dyke	Dyke	51.43	16.74	8.65	3.22
780	GS-15-131	7741106	Quartz-feldspar porphyry with pinkish groundmass	Undefined	QFP	Plutonic	62.11	17.19	1.93	0.72
781	GS-15-132	7741107	Fine-grained, feldspar-porphyry	Undefined	Feldspar porphyry	Plutonic	62.85	18.09	3.64	1.89
782	GS-15-133	7741108	Quartz-feldspar porphyry with dark purple, more mafic-rich groundmass	Undefined	QFP	Plutonic	66.11	14.42	5.08	1.75
783	GS-15-135	7741109	Feldspar-phyric, purple, ash-flow tuff	Aillik	Felsic volcanic	Volcanic	78.92	9.81	1.97	1.29
784	GS-15-136	7741111	Strongly foliated, purple to pink, epidote-rich metavolcanic	Aillik	Intermed. volcanic	Volcanic	73.51	10.51	2.90	1.69
785	GS-15-138	7741112	Quartz-K-feldspar phyric rhyolite	Aillik	Felsic volcanic	Volcanic	73.19	11.66	3.20	1.00
786	GS-15-139	7741113	Weakly feldspar-phyric rhyolite	Aillik	Felsic volcanic	Volcanic	76.00	12.04	1.84	0.36
787	GS-15-141	7741593	Hematite altered intermediate metavolcanic , hosting elevated radioactivity	Aillik	Intermed. volcanic	Volcanic	51.30	14.41	9.03	-99
788	GS-15-142	7741594	Intermediate metavolcanic hosting amphibole-rich veining and elevated radioactivity	Aillik	Intermed. volcanic	Volcanic	57.26	15.38	8.36	-99
789	GS-15-143	7741114	Fine-grained, plagioclase-phyric, mafic dyke	Undefined	Mafic dyke	Dyke	46.62	16.06	11.63	3.53
790	GS-15-144	7741115	Quartz-feldspar porphyry with dark purple, more mafic-rich groundmass	Undefined	QFP	Plutonic	64.84	14.74	5.61	1.90
791	GS-15-145	7741595	Intermediate metavolcanic hosting amphibole-rich veining and elevated radioactivity	Aillik	Intermed. volcanic	Volcanic	56.35	16.03	8.86	-99
792	GS-15-147	7741116	Non-radioactive, intermediate metavolcanic above mineralized zone	Aillik	Intermed. volcanic	Volcanic	63.15	16.37	5.04	2.19
793	GS-15-148	7741117	Intermediate metavolcanic hosting amphibole-rich veining and elevated radioactivity	Aillik	Intermed. volcanic	Volcanic	56.53	16.09	10.01	6.82
794	GS-15-149	7741118	Intermediate metavolcanic hosting variably developed carbonate veining	Aillik	Intermed. volcanic	Volcanic	55.85	17.54	5.91	4.70
795	GS-15-150	7741119	Porphyritc mafic dyke	Undefined	Mafic dyke	Dyke	50.43	14.02	7.97	3.05
796	GS-15-151	7741121	Fine-grained, crystal tuff	Aillik	Crystal tuff	Volcanic	78.00	10.47	2.45	1.49
797	GS-15-152	7741122	Unaltered, feldspar and quartz-phyric, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	73.16	11.69	2.15	0.93
798	GS-15-153	7741123	Weakly altered, feldspar and quartz-phyric, felsic metavolcanic below mineralized zone	Aillik	Felsic volcanic	Volcanic	73.91	11.76	2.07	1.08

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Description	Group	Rock Type	Classification	SiO2	Al2O3	Fe2O3(T)	Fe2O3
Unit							wt.%	wt.%	wt.%	wt.%
Upper Detection Limit										
Lower Detection Limit										
							0.01	0.01	0.01	0.01
799	GS-15-154	7741124	Intermediate, carbonate altered, fine-grained dyke	Undefined	Intermed. dyke	Dyke	42.27	12.13	17.11	9.81
800	GS-15-155	7741125	Weakly altered, feldspar and quartz-phyric, felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	71.98	12.94	2.58	1.60
801	GS-15-156	7741596	Altered porphyritic metavolcanic hosting elevated radioactivity	Aillik	Felsic volcanic	Volcanic	75.41	12.50	2.62	-99
802	GS-15-158	7741597	Pervasively hematite altered, fine-grained mafic dyke (?)	Undefined	Felsic volcanic	Dyke	44.20	15.31	13.69	-99
803	GS-15-159	7741598	Hematized and brecciated fine-grained mafic intrusive (?)	Undefined	Mafic dyke	Dyke	55.24	15.00	8.90	-99
804	GS-15-160	7741599	Fine-grained, dark grey, intermediate dyke (?)	Undefined	Intermed. dyke	Dyke	38.50	18.46	16.82	-99
805	GS-15-161	7741601	Pervasively hematite altered, non-magnetic, fine-grained sandstone (?)	Bruce River	Sandstone	Sedimentary	59.39	14.88	3.15	-99
806	GS-15-162	7741602	Red, relatively unaltered, fine-grained sandstone	Bruce River	Sandstone	Sedimentary	76.29	11.59	1.86	-99
807	GS-15-163	7741126	Brecciated, Fe-carbonate altered, porphyritic mafic dyke	Undefined	Mafic dyke	Dyke	34.64	10.82	8.30	1.47
808	GS-15-164	7741127	Fe-carbonate altered and brecciated mafic intrusive	Undefined	Mafic dyke	Dyke	21.79	6.11	8.52	1.44
809	GS-15-165	7741128	Fe-carbonate altered and brecciated red sandstone hosting anomalous radioactivity	Bruce River	Sandstone	Sedimentary	38.07	9.76	8.51	5.72
810	GS-15-166	7741603	Hematized and weakly brecciated sandstone (?), hosting anomalous radioactivity	Bruce River	Sandstone	Sedimentary	42.30	12.75	11.74	-99
811	GS-15-167	7741129	Variably altered, pyrite-bearing, felsic metavolcanic	Bruce River	Felsic volcanic	Volcanic	56.41	17.12	6.55	4.47
812	GS-15-168	7741131	Strongly foliated and altered, pyritic felsic metavolcanic	Bruce River	Felsic volcanic	Volcanic	70.98	13.70	1.32	0.29
813	GS-15-169	7741132	Fine-grained gabbro	Undefined	Gabbro	Plutonic	45.34	14.29	16.69	3.49
814	GS-15-170	7741133	Pale purple, fine-grained, felsic ash-flow tuff	Bruce River	Felsic volcanic	Volcanic	68.80	15.13	2.16	1.08
815	GS-15-171	7741134	Grey-green, intermediate, crystal tuff	Bruce River	Intermed. volcanic	Volcanic	50.60	14.05	9.72	7.33
816	GS-15-172	7741135	Pale grey intermediate dyke	Undefined	Intermed. dyke	Dyke	50.75	14.09	9.37	4.35
817	GS-15-173	7741136	Dark green, fine-grained, intermediate crystal tuff	Bruce River	Intermed. volcanic	Volcanic	72.10	13.02	3.07	1.92
818	GS-15-174	7741604	Rusty weathering, pyritic, felsic volcanic from area of anomalous radioactivitiy	Aillik	Felsic volcanic	Volcanic	75.76	11.64	2.83	-99
819	GS-15-175	7741605	Rusty weathering, pyritic, porphyritic felsic volcanic	Aillik	Felsic volcanic	Volcanic	78.93	10.41	2.78	-99
820	GS-15-176	7741606	Porphyritic felsic volcanic	Aillik	Felsic volcanic	Volcanic	77.25	10.81	2.91	-99
821	GS-15-177	7741137	Altered felsic volcanic from area of anomalous radioactivity	Aillik	Felsic volcanic	Volcanic	68.00	14.49	2.72	0.99
822	GS-15-178	7741138	Rusty weathering, altered felsic volcanic rock displaying localized vuggy texture	Aillik	Felsic volcanic	Volcanic	81.23	6.82	2.97	1.51
823	GS-15-180	7741607	Fine-grained, altered, felsic volcanic from zone of anomalous radioactivity	Aillik	Felsic volcanic	Volcanic	78.52	10.88	0.93	-99
824	GS-15-181	7741608	Altered felsic volcanic from zone of anomalous radioactivity	Aillik	Felsic volcanic	Volcanic	88.04	5.24	2.54	-99
825	GS-15-182	7741609	Mylonitic felsic volcanic hosting radioactivity	Aillik	Felsic volcanic	Volcanic	60.17	15.55	8.30	-99
826	GS-15-183	7741139	Relatively unaltered felsic volcanic host rock	Aillik	Felsic volcanic	Volcanic	75.04	11.80	2.52	1.31
827	GS-15-184	7741141	Porphyritic crystal tuff	Aillik	Crystal tuff	Volcanic	77.48	11.95	1.28	0.20
828	GS-15-186	7741611	Hematite altered felsic volcanic hosting anomalous radioactivity	Aillik	Felsic volcanic	Volcanic	73.55	13.31	1.94	-99
829	GS-15-188	7741612	Hematite altered felsic volcanic rock with moderate to strong magnetite alteration	Aillik	Felsic volcanic	Volcanic	58.48	16.66	7.20	-99
830	GS-15-190	7741142	Medium-grained granite with anomalous radioactivity	Undefined	Granite	Plutonic	70.01	14.68	2.27	1.00
831	GS-15-191	7741143	Pale grey crystal tuff from zone of anomalous radioactivity	Aillik	Crystal tuff	Volcanic	74.91	12.67	1.75	0.16
832	GS-15-192	7741613	Boulder of "Michelin-style" alteration hosting elevated radioactivity	Aillik	Felsic volcanic	Volcanic	70.61	11.31	3.72	-99
833	GS-15-193	7741614	Medium-grained, chlorite-rich granite	Undefined	Granite	Plutonic	64.58	15.51	5.08	-99
834	GS-15-195	7741615	Hematite-magnetite altered, moderately foliated, intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	56.24	14.57	6.95	-99
835	GS-15-196	7741144	Relatively unaltered intermediate metavolcanic	Aillik	Intermed. volcanic	Volcanic	55.59	15.72	8.94	5.46
836	GS-15-197	7741145	Relatively unaltered, finely-porphyritic felsic metavolcanic	Aillik	Felsic volcanic	Volcanic	73.94	11.86	1.88	1.34
837	GS-15-198	7741146	Coarsely porphyritic metavolcanic	Aillik	Porph. dyke	Dyke	71.54	12.61	4.33	3.49
838	GS-15-199	7741147	Moderately to strongly magnetic, mafic hyaloclastite	Moran Lake	Hyaloclastite	Volcanic	36.64	5.45	21.26	5.55
839	GS-15-200	7741148	Moderately to strongly magnetic, mafic hyaloclastite	Moran Lake	Hyaloclastite	Volcanic	35.71	5.27	20.93	6.99
840	GS-15-201	7741149	Fe-carbonate-rich dolostone	Moran Lake	Dolostone	Sedimentary	6.73	1.32	7.80	0.20
841	GS-15-202	7741151	Cataclastic breccia (?)	Bruce River	Breccia	Alteration	74.92	7.27	1.99	-99
842	GS-15-203	7741616	Fe-oxide-rich breccia	Moran Lake	Hematite alteration	Alteration	43.18	12.77	10.78	-99
843	GS-15-204	7741152	Fine-grained intermediate dyke	Undefined	Intermed. dyke	Dyke	46.79	15.77	10.33	2.74
844	MG-15-011	7741617	Chloritic breccia with white elongated fragments	Moran Lake	Chlorite breccia	Alteration	41.44	13.38	10.22	-99
845	MG-15-015	7741618	Hematitic breccia	Moran Lake	Hematite breccia	Alteration	38.56	10.89	7.82	-99
846	MG-15-018	7741619	Chloritic breccia with cream coloured fragments	Moran Lake	Chlorite breccia	Alteration	42.08	9.74	10.84	-99
847	MG-15-019	7741621	Chloritic breccia with hematite altered fragments	Moran Lake	Chlorite breccia	Alteration	36.49	11.56	9.97	-99
848	MG-15-020	7741622	Hematitic breccia	Moran Lake	Hematite breccia	Alteration	36.80	10.38	12.26	-99
849	MG-15-023	7741623	Fe-carbonate altered breccia	Moran Lake	Fe-carb./hem. alt.	Alteration	35.66	8.82	11.01	-99
850	MG-15-025	7741624	Hematitic breccia	Moran Lake	Hematite breccia	Alteration	35.35	10.62	8.82	-99
851	MG-15-027	7741625	Hematitic breccia	Moran Lake	Hematite breccia	Alteration	33.19	10.12	9.34	-99
852	MG-15-028	7741626	Pyritic breccia	Moran Lake	Pyrite breccia	Alteration	47.25	10.00	8.60	-99
853	MG-15-030	7741627	Chlorite-pyrite breccia	Moran Lake	Chlorite breccia	Alteration	45.34	9.98	8.92	-99
854	MG-15-032	7741628	Fe-carbonate alteration	Moran Lake	Basalt	Alteration	54.23	15.03	6.89	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
1	GS-07-001	7740001	-99	0.22	0.091	0.61	6.07	0.23	0.184	0.024	1.66	99.13	-0.1	-99	38	-2	95	2.8	-99	-0.5	-99	0.3	220	2	1	-0.5	14	14.3	-99	-1	92	1.9	-99	-99
2	GS-07-002	7741178	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.8	5.31	10.5	-2	-50	2	-2	-0.5	0.29	0.9	157	4	17	-1	29	-99	-99	1.7	-99	2.54	-99	-99
3	GS-07-003	7741179	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.7	6.02	7.1	-2	470	3	-2	-0.5	0.62	2.2	130	-1	-2	-1	52	-99	-99	1.2	-99	2.13	-99	-99
4	GS-07-004	7741181	-99	4.59	0.32	8.50	4.80	2.96	1.050	0.25	4.32	100.00	0.8	-99	9	-5	659	3	-2	-1	-99	0.5	22	29	33	5.3	26	-99	-99	1.2	-99	-99	-99	-99
5	GS-07-005	7741182	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	8.6	5.23	5.2	-2	-50	5	-2	-0.5	0.24	1.3	127	-1	13	-1	1480	-99	-99	1.1	-99	2.04	-99	-99
6	GS-07-006	7741183	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	32.3	5.55	4.8	12	440	4	-2	-0.5	0.40	5.5	103	-1	33	-1	4260	-99	-99	-0.2	-99	2.16	-99	-99
7	GS-07-008	7740158	0.78	0.09	0.048	0.56	3.01	5.25	0.213	0.008	0.56	98.53	-0.1	-99	5	-99	62	4.8	-99	-99	-99	-0.2	246	2	1	-99	18	18.4	-99	-99	-99	-99	-99	-99
8	GS-07-010	7740002	0.89	0.08	0.079	0.71	3.89	4.14	0.253	0.015	0.63	98.35	-0.1	-99	6	-99	122	2.7	-99	-99	-99	0.3	206	3	1	-99	10	13.8	-99	-99	170	-99	-99	-99
9	GS-07-011	7740159	1.28	0.24	0.081	0.76	5.39	2.68	0.251	0.011	0.41	99.86	-0.1	-99	3	-2	84	3.1	-99	0.5	-99	0.3	203	3	2	-0.5	14	13.5	-99	2	-99	2.1	-99	-99
10	GS-07-012	7741184	-99	0.14	0.05	0.41	5.37	2.10	0.229	0.02	0.12	98.39	1.2	-99	5	-5	79	4	-2	-1	-99	0.5	149	4	-1	-0.5	80	-99	-99	1.6	-99	-99	-99	-99
11	GS-07-013	7741185	-99	0.32	0.08	0.91	10.28	0.39	0.374	0.04	0.32	100.50	1.4	-99	-2	-5	28	6	-2	-1	-99	-0.5	213	3	9	-0.5	9	-99	-99	3.6	-99	-99	-99	-99
12	GS-07-014	7741186	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.4	4.26	5.8	-2	-50	10	-2	-0.5	6.85	0.7	21	34	55	4	13	-99	-99	0.9	-99	7.00	-99	-99
13	GS-07-015	7741187	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.6	5.80	7.1	-2	230	8	-2	-0.5	4.29	1.4	16	57	73	2	21	-99	-99	1.6	-99	9.68	-99	-99
14	GS-07-016	7741188	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.4	4.53	10.5	-2	7740	6	-2	-0.5	5.06	2.9	-3	33	67	-1	56	-99	-99	1.1	-99	8.31	-99	-99
15	GS-07-018	7740003	10.21	3.79	0.210	7.46	5.71	0.47	2.487	0.544	0.43	100.83	-0.1	-99	11	-99	696	0.9	-99	-99	-99	-0.2	69	50	3	-99	25	7.7	-99	-99	536	-99	-99	-99
16	GS-07-020	7740161	1.30	0.19	0.064	0.95	4.66	2.48	0.241	0.018	0.32	98.56	-0.1	-99	4	-99	114	3.8	-99	-99	-99	-0.2	199	3	2	-99	5	13.1	-99	-99	-99	-99	-99	-99
17	GS-07-021	7740004	10.42	5.70	0.196	8.65	3.76	1.78	1.914	0.232	1.16	100.66	-0.1	-99	5	-99	446	0.1	-99	-99	-99	-0.2	26	58	13	-99	60	4.0	-99	-99	227	-99	-99	-99
18	GS-07-022	7740162	12.03	5.14	0.262	6.98	3.80	2.45	2.181	0.266	1.05	99.70	-0.1	-99	5	-99	611	1.1	-99	-99	-99	0.3	32	61	11	-99	85	7.0	-99	-99	-99	-99	-99	-99
19	GS-07-024	7740005	1.28	0.18	0.066	0.64	4.18	4.10	0.276	0.026	0.41	100.80	-0.1	-99	5	-99	135	3.5	-99	-99	-99	-0.2	204	4	2	-99	3	13.8	-99	-99	117	-99	-99	-99
20	GS-07-025	7740006	6.31	5.26	0.149	7.54	4.05	1.84	0.946	0.192	1.98	100.08	-0.1	-99	6	-99	630	0.8	-99	-99	-99	-0.2	43	32	35	-99	61	3.0	-99	-99	394	-99	-99	-99
21	GS-07-027	7740007	8.47	3.43	0.351	7.89	4.85	2.35	1.422	0.251	1.19	99.53	-0.1	-99	7	-99	343	4.3	-99	-99	-99	3.0	38	44	69	-99	17	7.0	-99	-99	2160	-99	-99	-99
22	GS-07-028	7740008	5.97	4.34	0.153	6.13	4.47	2.74	0.682	0.165	1.18	100.52	-0.1	-99	4	-99	1050	1.0	-99	-99	-99	-0.2	41	28	18	-99	20	2.5	-99	-99	398	-99	-99	-99
23	GS-07-029	7740069	1.37	0.17	0.099	0.61	4.34	3.85	0.275	0.027	0.32	99.87	-0.1	-99	3	-2	158	3.9	-99	-0.5	-99	0.6	146	-1	2	-1	11	13.7	-99	1.8	134	2.3	-99	-99
24	GS-07-030	7740009	7.73	5.43	0.175	6.95	4.20	2.80	1.108	0.243	1.39	99.56	-0.1	-99	5	-2	677	1.4	-99	0.6	-99	-0.2	32	39	24	2.6	14	3.4	-99	-1	635	6.8	-99	-99
25	GS-07-032	7741189	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1	5.04	4.8	-2	-50	5	-2	-0.5	0.75	0.3	132	-1	34	-1	45	-99	-99	1.3	-99	1.94	-99	-99
26	GS-07-034	7740163	1.23	0.13	0.093	0.73	3.33	4.95	0.252	0.014	0.68	98.15	-0.1	-99	4	-99	170	3.7	-99	-99	-99	0.2	219	3	1	-99	6	12.3	-99	-99	-99	-99	-99	-99
27	GS-07-037	7740071	6.79	3.96	0.380	8.52	5.06	2.09	1.372	0.243	0.92	99.32	-0.1	-99	4	-2	145	4.9	-99	-0.5	-99	1.7	35	37	74	2	6	5.1	-99	1.3	2870	10.7	-99	-99
28	GS-07-039	7740072	6.93	3.51	0.285	6.93	6.64	0.35	2.485	0.480	0.92	99.29	-0.1	-99	14	-2	45	2.6	-99	-0.5	-99	0.5	54	29	3	2	-1	9.0	-99	2.4	1210	9.8	-99	-99
29	GS-07-040	7741191	-99	0.80	0.22	2.65	9.31	0.27	0.595	0.10	0.18	100.30	8.4	-99	-2	18	19	17	-2	-1	-99	0.7	-3	22	127	-0.5	25	-99	-99	-0.1	-99	-99	-99	-99
30	GS-07-041	7741192	-99	3.95	0.37	11.12	3.06	3.46	1.360	0.26	0.94	98.85	-0.5	-99	7	-5	757	7	-2	-1	-99	0.9	36	38	76	1.8	6	-99	-99	1.3	-99	-99	-99	-99
31	GS-07-043	7741193	-99	2.74	0.35	7.94	5.90	0.62	1.131	0.21	0.57	98.48	1.4	-99	8	-5	58	8	-2	-1	-99	2.8	-3	36	65	-0.5	19	-99	-99	1.8	-99	-99	-99	-99
32	GS-07-044	7740164	5.72	4.05	0.152	6.60	4.34	2.50	0.681	0.141	1.18	98.61	-0.1	-99	6	-99	1035	0.8	-99	-99	-99	-0.2	45	33	19	-99	36	3.5	-99	-99	-99	-99	-99	-99
33	GS-07-047	7740011	3.10	2.39	0.088	3.95	5.21	1.29	0.685	0.239	3.54	100.13	-0.1	-99	3	-99	395	0.9	-99	-99	-99	-0.2	49	17	13	-99	86	1.5	-99	-99	314	-99	-99	-99
34	GS-07-048	7741194	-99	1.94	0.09	6.39	8.00	0.19	0.725	0.24	5.83	98.95	1.8	-99	-2	-5	80	3	-2	-1	-99	-0.5	-3	14	43	-0.5	18	-99	-99	-0.1	-99	-99	-99	-99
35	GS-07-050	7741195	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	15	10	2500	-99	-99	-1	17	-99	-3	-5	124	-2	-99	-99	-99	-0.1	-99	4.37	-99	-99
36	GS-07-051	7741196	-99	2.71	0.06	3.14	6.82	0.68	0.659	0.22	3.72	99.17	-0.5	-99	-2	-5	213	3	-2	-1	-99	-0.5	41	12	17	-0.5	6	-99	-99	1	-99	-99	-99	-99
37	GS-07-052	7740012	3.43	2.45	0.066	5.35	7.76	0.36	0.737	0.238	5.18	98.80	-0.1	-99	3	-99	167	1.4	-99	-99	-99	-0.2	43	18	14	-99	3	1.6	-99	-99	291	-99	-99	-99
38	GS-07-053	7741197	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	4.85	2.6	-2	180	1	-2	-0.5	0.30	-0.3	9	4	27	-1	6	-99	-99	0.3	-99	1.14	-99	-99
39	GS-07-055	7740165	1.18	2.97	0.070	6.14	8.62	0.13	0.247	0.076	6.38	100.55	-0.1	-99	-2	-2	76	1.1	-99	0.8	-99	0.2	104	5	5	-0.5	19	1.0	-99	-1	-99	1.6	-99	-99
40	GS-07-056	7741198	-99	11.87	0.15	0.77	5.16	0.16	1.384	0.10	5.74	99.49	-0.5	-99	-2	-5	54	3	-2	-1	-99	0.6	25	42	147	-0.5	6	-99	-99	0.6	-99	-99	-99	-99
41	GS-07-057	7741199	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.1	5.94	-0.5	-2	-50	1	-2	-0.5	5.96	-0.3	-3	10	28	-1	12	-99	-99	-0.2	-99	2.38	-99	-99
42	GS-07-061	7740166	3.01	2.37	0.082	5.08	4.72	0.97	0.760	0.243	1.81	99.06	-0.1	-99	-2	-99	244	0.6	-99	-99	-99	0.2	43	17	16	-99	10	2.7	-99	-99	-99	-99	-99	-99
43	GS-07-062	7741201	-99	2.32	0.10	8.42	7.13	0.64	0.609	0.22	7.91	98.71	0.7	-99	-2	-5	249	2	-2	-1	-99	-0.5	40	15	24	-0.5	13	-99	-99	-0.1	-99	-99	-99	-99
44	GS-07-063	7741202	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	6.25	3.8	-2	200	1	-2	-0.5	1.31	0.3	20	14	23	2	2	-99	-99	0.8	-99	3.01	-99	-99
45	GS-07-065	7741203	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	6.82	-0.5	-2	-50	1	-2	-0.5	5.59	0.3	89	12	20	-1	4	-99	-99	-0.2	-99	4.01	-99	-99
46	GS-07-066	7741204	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.5	8.34	-0.5	-2	-50	3	-2	-0.5	6.39	0.4	-3	11	66	-1	108	-99	-99	-0.2	-99	3.95	-99	-99
47	GS-07-067	7740167	2.99	2.22	0.087	5.09	4.76	0.95	0.719	0.233	1.66	98.94	0.2	-99	-2	-99	366	0.6	-99	-99	-99	0.2	53	17	15	-99	50	2.8	-99	-99	-99	-99	-99	-99
48	GS-07-070	7741205	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.4	8.15	2.9	-2	-50	2	-2	-0.5	7.16	0.4	-3	10	37	-1	118	-99	-99	-0.2	-99	5.38	-99	-99
49	GS-07-071	7741206	-99	2.15	0.28	7.31	6.77	1.27	0.919	0.15	0.92	101.00	-0.5	-99	4	-5	83	5	-2	-1	-99	4.4	49	25	49	-0.5	5	-99	-99	1	-99	-99	-99	-99
50	GS-07-072	7740168	5.91	4.63	0.133	7.10	5.33	1.99	0.773	0.193	1.30	98.96	-0.1	-99	6	-2	690	0.8	-99	0.7	-99	-0.2	49	30	22	1.1	43	4.0	-99	1	-99	6.1	-99	-99
51	GS-07-075	7740169	10.38	10.95	0.253	5.99	3.23	0.08	0.853	0.059	10.51	98.79	-0.1	-99	2	-99	19	0.9	-99	-99	-99	0.5	9	50	199	-99	3	3.7	-99	-99	-99	-99	-99	-99
52	GS-07-076	7740171	1.71	1.58	0.074	2.04	7.65	0.60	0.378	0.111	2.61	99.10	-0.1	-99	-2	-2	240	0.9	-99	0.8	-99	-0.2	14	6	2	-0.5	5	1.6	-99	-1	-99	1.7	-99	-99
53	GS-07-077	7740172	0.17	0.44	0.015	1.17	5.86	2.01	0.095	0.026	1.53	99.24	-0.1	-99	-2	-99	386	1.0	-0.5	-99	-99	-0.2	15.6	1	2	1.0	2	0.6	0.3	0.36	-99	-99	16	0.8
54	GS-07-078	7740173	0.96	1.20	0.041	1.88	5.61	1.84	0.328	0.096	2.43	98.48	-0.1	-99	-2	-99	291	1.2	-0.5	-99	-99	-0.2	19.9	6	2	2.5	3	0.9	0.4	0.41	-99	-99	20	1.1
55	GS-07-079	7741207	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	7.95	2.3	-2	360	3	-2	-0.5	0.93	-0.3	15	5	8	-1	8	-99	-99	-0.2	-99	1.37	-99	-99
56	GS-07-080	7741208	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.6	6.08	2.6	-2	340	1	-2	-0.5	0.34	-0.3	21	-1	37	-1	4	-99	-99	-0.2	-99	0.90	-99	-99
57	GS-07-081	7741209	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.4	7.44	2.9	-2	270	1	-2	-0.5	1.43	-0.3	9	5	10	-1	10	-99	-99	-0.2	-99	1.58	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
58	GS-07-087	7741211	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	3.82	1.9	-2	-50	1	-2	-0.5	4.53	-0.3	18	4	39	-1	12	-99	-99	-0.2	-99	1.29	-99	-99
59	GS-07-089	7741212	-99	2.64	0.05	1.40	7.74	0.16	0.292	0.06	2.73	98.58	1.3	-99	2	-5	82	2	-2	-1	-99	-0.5	86	7	44	-0.5	13	-99	-99	2.5	-99	-99	-99	-99
60	GS-07-090	7740013	6.04	11.40	0.223	12.20	0.16	0.03	0.809	0.058	10.74	99.42	-0.1	-99	4	-2	19	3.6	-99	-0.5	-99	0.3	11	66	940	-0.5	26	3.7	-99	-1	849	9.6	-99	-99
61	GS-07-091	7740014	7.91	8.37	0.171	4.57	4.13	0.11	0.939	0.070	7.57	100.85	-0.1	-99	3	-99	82	1.1	-99	-99	-99	0.2	13	46	265	-99	8	3.3	-99	-99	361	-99	-99	-99
62	GS-07-092	7741213	-99	1.02	0.06	5.34	7.27	0.19	0.278	0.09	5.06	100.90	1.2	-99	-2	-5	135	2	-2	-1	-99	-0.5	57	5	40	-0.5	174	-99	-99	2.2	-99	-99	-99	-99
63	GS-07-093	7740174	1.42	1.35	0.047	1.94	6.33	1.36	0.389	0.123	2.69	98.45	-0.1	-99	-2	-2	472	1.0	-0.5	-0.5	-99	-0.2	18.4	6	3	0.9	6	0.7	0.3	0.62	-99	1.9	18	1.1
64	GS-07-094	7740015	-99	0.16	0.005	0.91	8.84	0.20	0.033	0.017	1.08	100.96	-0.1	-99	3	-2	76	1.0	-99	0.9	-99	-0.2	11	-1	2	-0.5	7	1.0	-99	1	65	0.3	-99	-99
65	GS-07-095	7741214	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	3.99	4	-2	440	1	-2	-0.5	0.83	-0.3	17	2	13	-1	8	-99	-99	-0.2	-99	1.41	-99	-99
66	GS-07-096	7741215	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.8	2.61	6.2	-2	-50	2	-2	-0.5	4.21	0.6	-3	22	74	-1	59	-99	-99	2.4	-99	5.23	-99	-99
67	GS-07-098	7740016	9.28	13.79	0.177	0.61	2.69	0.14	3.241	0.356	7.28	100.51	-0.1	-99	3	-2	128	0.8	-99	-0.5	-99	-0.2	19	59	27	-0.5	5	2.1	-99	1	763	11.3	-99	-99
68	GS-07-100	7741216	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.6	8.32	4.5	-2	290	1	-2	-0.5	1.43	-0.3	178	5	16	-1	29	-99	-99	0.8	-99	0.79	-99	-99
69	GS-07-101	7740017	0.45	0.64	0.017	1.15	8.15	0.23	0.088	0.028	1.49	100.31	-0.1	-99	3	-99	136	1.1	-99	-99	-99	-0.2	19	2	3	-99	11	-0.1	-99	-99	99	-99	-99	-99
70	GS-07-102	7740175	5.34	6.59	0.164	5.98	4.37	0.23	0.555	0.086	6.49	98.43	-0.1	-99	-2	-99	177	1.4	-99	-99	-99	0.3	21	32	127	-99	14	3.7	-99	-99	-99	-99	-99	-99
71	GS-07-103	7741217	-99	3.17	0.12	5.76	8.33	0.13	0.269	0.08	6.01	99.02	1.5	-99	2	-5	150	2	-2	-1	-99	-0.5	74	7	26	-0.5	49	-99	-99	2.4	-99	-99	-99	-99
72	GS-07-104	7740018	0.57	0.62	0.017	1.75	7.69	0.38	0.212	0.058	1.94	100.67	-0.1	-99	6	-2	172	1.0	-99	1.2	-99	-0.2	35	2	3	-0.5	11	-0.1	-99	-1	122	0.7	-99	-99
73	GS-07-105	7740019	4.11	10.57	0.181	16.91	0.03	-0.01	0.526	0.041	16.46	98.42	-0.1	-99	4	-99	32	0.8	-99	-99	-99	-0.2	6	70	1096	-99	2	2.2	-99	-99	902	-99	-99	-99
74	GS-07-108	7740176	6.62	8.08	0.242	7.38	4.40	0.06	0.935	0.067	9.98	99.28	-0.1	-99	-2	-99	68	1.2	-99	-99	-99	0.6	6	42	249	-99	6	4.4	-99	-99	-99	-99	-99	-99
75	GS-07-109	7740021	8.81	10.55	0.233	3.94	3.27	0.15	0.871	0.063	7.99	100.69	-0.1	-99	3	-99	87	1.4	-99	-99	-99	0.2	7	54	209	-99	10	4.2	-99	-99	545	-99	-99	-99
76	GS-07-110	7740177	0.27	0.38	0.011	0.85	5.87	1.81	0.087	0.017	1.14	98.70	-0.1	-99	-2	-2	510	0.5	-99	1.0	-99	-0.2	5	2	3	-0.5	2	0.2	-99	-1	-99	0.9	-99	-99
77	GS-07-112	7741218	-99	8.38	1.08	8.49	0.69	4.62	1.207	0.44	3.23	98.40	-0.5	-99	13	-5	181	8	-2	-1	-99	1.1	95	11	1440	14.6	5	-99	-99	3.1	-99	-99	-99	-99
78	GS-07-113	7740022	5.55	3.55	0.140	6.72	4.12	3.32	1.041	0.530	0.27	100.82	-0.1	-99	6	-99	1083	1.9	-99	-99	-99	-0.2	77	29	51	-99	100	4.3	-99	-99	583	-99	-99	-99
79	GS-07-114	7741219	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	6.8	7.13	37.1	-2	1200	1	-2	-0.5	1.81	0.9	70	3	42	2	271	-99	-99	-0.2	-99	1.33	-99	-99
80	GS-07-115	7741221	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.2	7.74	5.1	-2	1240	3	-2	-0.5	0.54	0.3	-3	9	32	-1	3	-99	-99	-0.2	-99	2.90	-99	-99
81	GS-07-116	7741222	-99	3.36	0.06	2.58	5.96	2.32	0.684	0.17	1.03	99.15	-0.5	-99	3	11	972	2	-2	-1	-99	0.7	34	29	52	-0.5	39	-99	-99	0.7	-99	-99	-99	-99
82	GS-07-117	7741223	-99	2.21	0.07	5.68	8.22	1.06	0.624	0.16	3.99	99.03	-0.5	-99	3	-5	542	6	-2	-1	-99	-0.5	69	8	125	-0.5	12	-99	-99	3	-99	-99	-99	-99
83	GS-07-118	7740023	4.77	3.23	0.040	0.78	6.79	2.07	0.680	0.173	0.57	98.46	-0.1	-99	4	-99	903	1.7	-99	-99	-99	-0.2	79	20	50	-99	5	1.4	-99	-99	646	-99	-99	-99
84	GS-07-120	7740024	8.56	7.29	0.179	8.91	2.97	1.02	1.807	0.515	1.62	99.88	-0.1	-99	6	-99	623	0.2	-99	-99	-99	-0.2	33	57	108	-99	32	4.9	-99	-99	339	-99	-99	-99
85	GS-07-121	7741224	-99	4.48	0.14	8.37	3.83	2.05	0.790	0.32	2.61	98.54	0.9	-99	5	6	922	2	-2	-1	-99	0.5	49	31	33	-0.5	80	-99	-99	1.6	-99	-99	-99	-99
86	GS-07-122	7741225	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.6	8.94	4.9	-2	740	3	-2	-0.5	2.55	0.5	39	10	56	3	3	-99	-99	-0.2	-99	4.08	-99	-99
87	GS-07-123	7740025	5.80	5.16	0.199	4.90	5.85	2.43	1.337	0.320	2.45	100.08	-0.1	-99	6	-99	1163	3.9	-99	-99	-99	-0.2	56	38	159	-99	22	5.3	-99	-99	619	-99	-99	-99
88	GS-07-124	7741226	-99	0.18	0.01	0.49	6.47	0.19	0.255	0.04	0.72	98.60	1.5	-99	39	-5	179	173	-2	-1	-99	-0.5	-99	4	21	-0.5	18	-99	-99	-0.1	-99	-99	-99	-99
89	GS-07-125	7741227	-99	0.04	0.07	0.72	5.78	1.50	0.243	0.03	0.70	100.10	2.4	-99	-2	-5	178	3	-2	-1	-99	-0.5	222	3	60	-0.5	3	-99	-99	3.1	-99	-99	-99	-99
90	GS-07-126	7741228	-99	0.25	-0.01	0.18	0.33	3.14	0.382	0.10	2.55	99.20	3.4	-99	254	27	576	2	-2	-1	-99	0.9	133	19	82	5.1	168	-99	-99	2.4	-99	-99	-99	-99
91	GS-07-128	7741229	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.9	6.15	512	-2	410	2	-2	-0.5	0.05	2.1	51	4	50	4	10	-99	-99	-0.2	-99	2.33	-99	-99
92	GS-07-129	7741231	-99	0.57	0.06	1.05	3.86	5.22	0.159	0.03	1.99	96.51	82.9	-99	1270	49	459	4	-2	-1	-99	1.0	-3	14	194	-0.5	132	-99	-99	-0.1	-99	-99	-99	-99
93	GS-07-130	7741232	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.6	6.28	174	13	680	2	-2	-0.5	1.12	0.8	62	18	83	4	63	-99	-99	1	-99	2.09	-99	-99
94	GS-07-131	7741233	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.4	5.93	70	-2	440	1	-2	-0.5	1.79	0.6	35	10	61	3	30	-99	-99	0.7	-99	2.32	-99	-99
95	GS-07-132	7740026	13.34	6.82	0.279	8.37	2.25	1.63	1.389	0.121	0.91	99.91	-0.1	-99	53	5	355	0.8	-0.5	0.7	-99	0.3	18.4	54	78	3.1	69	3.9	2.2	1.13	390	11.8	20	3.6
96	GS-07-134	7741234	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.2	4.57	225	-2	-50	2	-2	-0.5	7.03	1.7	58	41	108	3	187	-99	-99	-0.2	-99	9.88	-99	-99
97	GS-07-136	7741235	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	23.2	5.81	13.4	722	1820	3	66	-0.5	0.57	-0.3	125	8	20	1	3610	-99	-99	1.4	-99	0.96	-99	-99
98	GS-07-138	7741236	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.8	4.02	18.7	18	3230	-1	2	-0.5	3.01	0.4	44	18	52	-1	104	-99	-99	0.8	-99	1.37	-99	-99
99	GS-07-139	7741237	-99	0.06	0.05	2.34	0.11	5.93	0.383	0.04	1.80	100.10	1.3	-99	206	53	1560	1	14	-1	-99	0.6	85	143	43	-0.5	13	-99	-99	2.4	-99	-99	-99	-99
100	GS-07-140	7741238	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.5	5.18	4.8	-2	350	6	-2	-0.5	0.16	-0.3	22	-1	39	6	3	-99	-99	-0.2	-99	1.06	-99	-99
101	GS-07-141	7741239	-99	1.28	0.05	1.05	6.81	1.36	0.586	0.22	1.97	98.30	3.4	-99	5	-5	175	3	-2	-1	-99	-0.5	-3	15	80	-0.5	75	-99	-99	1.7	-99	-99	-99	-99
102	GS-07-142	7741241	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	-2	9	422	-99	-99	-1	-1	-99	9	-5	-10	-2	-99	-99	-99	0.6	-99	1.06	-99	-99
103	GS-07-144	7741242	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	-2	-5	250	-99	-99	-1	-1	-99	29	-5	-10	-2	-99	-99	-99	-0.1	-99	0.80	-99	-99
104	GS-07-146	7741243	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	8.90	2.6	-2	260	1	-2	-0.5	1.42	0.7	15	60	103	22	-1	-99	-99	0.6	-99	8.08	-99	-99
105	GS-07-147	7740073	-99	0.11	0.003	0.89	2.72	7.67	0.013	0.031	0.53	98.65	-0.1	-99	-2	-2	596	1.0	-99	-0.5	-99	-0.2	2	2	2	-1	2	-0.1	-99	-1	70	0.1	-99	-99
106	GS-07-148	7740074	-99	0.07	0.006	0.71	7.77	0.18	0.004	0.028	0.50	99.98	0.2	-99	-2	-2	13	2.9	-99	-0.5	-99	-0.2	7	-1	1	-1	-1	1.4	-99	-1	61	-0.1	-99	-99
107	GS-07-149	7741244	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1	9.26	3.2	-2	-50	2	-2	-0.5	2.23	-0.3	56	-1	9	-1	6	-99	-99	-0.2	-99	0.74	-99	-99
108	GS-07-150	7741245	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	-2	-5	240	-99	-99	-1	-1	-99	8	-5	-10	-2	-99	-99	-99	0.4	-99	0.27	-99	-99
109	GS-07-151	7740027	1.09	0.26	0.089	2.38	9.64	0.06	0.549	0.092	0.17	100.83	-0.1	-99	5	-99	120	7.0	-99	-99	-99	-0.2	158	7	4	-99	3	5.8	-99	-99	129	-99	-99	-99
110	GS-07-152	7741246	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	5	3.57	4.1	-2	190	8	-2	-0.5	11.10	1.0	219	14	61	-1	12	-99	-99	6	-99	9.88	-99	-99
111	GS-07-153	7741247	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	5.6	8.44	-0.5	-2	-50	9	-2	-0.5	1.32	0.4	190	-1	31	-1	3	-99	-99	12.1	-99	3.75	-99	-99
112	GS-07-154	7741248	-99	3.90	0.19	1.42	6.70	0.16	0.744	0.08	3.42	98.90	0.7	-99	29	-5	84	3	-2	-1	-99	0.5	51	29	58	-0.5	1	-99	-99	2.4	-99	-99	-99	-99
113	GS-07-157	7741249	-99	5.57	0.15	6.24	3.75	0.71	1.276	0.07	4.08	99.11	2.1	-99	209	-5	51	3	-2	-1	-99	1.4	97	53	122	-0.5	476	-99	-99	1.9	-99	-99	-99	-99
114	GS-07-159	7740028	5.18	10.65	0.144	12.63	1.81	0.52	0.348	0.034	1.74	100.30	-0.1	-99	79	8	69	-0.1	-0.5	1.1	-99	0.5	1.6	33	272	0.5	68	1.4	0.8	0.29	111	4.6	10	1.0

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
115	GS-07-161	7740029	11.67	5.85	0.242	8.50	2.44	0.49	1.330	0.143	0.44	99.24	-0.1	-99	13	-99	138	0.5	-0.5	-99	-99	0.2	23.8	51	57	0.6	180	4.3	2.6	1.22	175	-99	17	4.1
116	GS-07-162	7740031	7.03	7.06	0.158	9.02	2.90	1.95	0.634	0.211	1.23	100.84	-0.1	-99	4	-2	773	1.1	-0.5	0.8	-99	-0.2	49.7	31	192	-0.5	99	3.5	2.0	1.37	438	6.2	16	4.2
117	GS-07-163	7740032	5.74	4.83	0.120	7.87	3.19	2.34	0.676	0.244	2.09	98.55	-0.1	-99	4	-2	810	1.0	-0.5	1.5	-99	-0.2	45.8	28	81	0.5	81	2.8	1.3	1.45	356	5.3	17	3.7
118	GS-07-164	7740033	4.71	3.76	0.087	9.05	4.27	1.23	0.669	0.416	2.85	98.97	-0.1	-99	7	-99	390	1.1	-0.5	-99	-99	-0.2	45.9	25	34	0.5	141	2.7	1.4	1.43	279	-99	18	3.6
119	GS-07-167	7740034	8.47	9.65	0.188	10.19	2.35	0.35	0.749	0.056	0.81	98.08	-0.1	-99	65	40	75	0.1	-0.5	1.1	-99	0.3	4.4	37	367	1.1	28	2.7	1.6	0.58	200	7.4	13	2.1
120	GS-07-170	7740067	5.99	5.30	0.112	7.42	3.05	2.24	0.736	0.204	1.99	99.53	-0.1	-99	3	-99	717	0.9	0.5	-99	-99	-0.2	43.1	27	95	1.6	19	2.7	1.4	1.39	448	-99	18	3.7
121	GS-07-171	7740035	1.42	0.25	0.033	2.09	2.54	4.02	0.100	0.019	1.68	99.19	-0.1	-99	6	-2	269	1.1	-0.5	-0.5	-99	-0.2	160.3	1	3	-0.5	5	5.1	2.9	0.21	51	1.3	26	6.3
122	GS-07-172	7740075	2.60	2.13	0.074	2.20	7.91	0.18	0.651	0.240	2.63	100.15	-0.1	-99	-2	-2	65	0.7	-99	-0.5	-99	-0.2	29	13	13	-1	-1	1.4	-99	1.1	365	3.7	-99	-99
123	GS-07-173	7740076	3.10	2.53	0.080	1.97	8.60	0.18	0.807	0.278	2.65	100.72	-0.1	-99	-2	-2	74	1.3	-99	-0.5	-99	-0.2	69	14	16	-1	-1	2.6	-99	1.6	375	4.2	-99	-99
124	GS-07-174A	7740036	6.92	6.14	0.202	7.41	4.99	0.05	1.499	0.134	8.25	99.43	-0.1	-99	2	-99	29	1.5	-99	-99	-99	0.3	17	54	102	-99	136	4.9	-99	-99	347	-99	-99	-99
125	GS-07-175	7741251	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.7	9.62	-0.5	-2	12000	2	-2	-0.5	1.89	-0.3	-3	9	41	-1	96	-99	-99	-0.2	-99	0.94	-99	-99
126	GS-07-176	7740077	0.14	0.12	0.014	0.24	5.51	3.51	0.028	0.018	0.41	99.44	-0.1	-99	-2	-2	57	1.7	-99	-0.5	-99	-0.2	6	-1	2	13	-1	1.4	-99	-1	70	0.5	-99	-99
127	GS-07-177	7740178	2.64	2.20	0.094	3.33	4.88	1.04	0.684	0.196	2.42	98.14	-0.1	-99	-2	-2	299	0.9	-99	0.6	-99	-0.2	48	16	15	0.9	24	2.5	-99	2	-99	3.8	-99	-99
128	GS-07-178	7741252	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.7	4.95	5.8	-2	540	2	-2	-0.5	1.00	0.3	55	10	17	-1	297	-99	-99	-0.2	-99	3.01	-99	-99
129	GS-07-179	7740037	0.22	0.31	0.008	0.37	6.89	0.13	0.022	0.008	0.88	100.86	0.3	-99	2	-99	36	0.9	-99	-99	-99	-0.2	6	2	1	-99	19	-0.1	-99	-99	55	-99	-99	-99
130	GS-07-180	7741253	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.6	4.68	3.6	65	2670	2	-2	-0.5	1.64	-0.3	-3	9	24	-1	313	-99	-99	-0.2	-99	2.03	-99	-99
131	GS-07-181	7740179	2.91	2.83	0.047	1.01	6.44	0.98	0.677	0.224	2.71	99.34	-0.1	-99	-2	-99	274	2.1	-99	-99	-99	-0.2	95	16	14	-99	360	0.8	-99	-99	-99	-99	-99	-99
132	GS-07-182	7740038	0.40	0.30	0.019	2.02	8.81	0.06	0.014	0.019	1.95	100.55	-0.1	-99	3	-2	285	1.4	-99	1.0	-99	-0.2	19	-1	3	-0.5	5	0.3	-99	2	44	0.8	-99	-99
133	GS-07-183	7741254	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.9	6.93	-0.5	-2	-50	2	-2	-0.5	4.76	-0.3	-3	10	25	-1	54	-99	-99	-0.2	-99	2.77	-99	-99
134	GS-07-186	7740039	3.84	3.00	0.085	2.82	5.83	0.76	0.754	0.268	2.92	100.56	-0.1	-99	3	-2	223	0.9	-99	0.5	-99	-0.2	61	22	17	-0.5	7	2.2	-99	2	339	4.0	-99	-99
135	GS-07-187	7740041	0.22	0.19	0.006	0.70	3.83	7.74	0.025	0.026	0.88	99.62	-0.1	-99	3	-99	1217	1.1	-99	-99	-99	-0.2	3	-1	2	-99	1	-0.1	-99	-99	40	-99	-99	-99
136	GS-07-188	7740042	9.09	5.91	0.216	7.79	2.31	1.03	2.805	0.753	6.41	98.81	-0.1	-99	6	-99	520	0.8	-99	-99	-99	-0.2	70	66	154	-99	25	8.3	-99	-99	606	-99	-99	-99
137	GS-07-190	7741255	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	2	-5	-100	-99	-99	-1	-1	-99	6	-5	-10	-2	-99	-99	-99	0.8	-99	1.22	-99	-99
138	GS-07-193	7740078	0.22	0.27	0.008	0.33	3.56	3.55	0.102	0.014	0.69	100.53	-0.1	-99	-2	-2	355	0.5	-99	1.2	-99	-0.2	7	-1	1	2	-1	3.9	-99	1	103	0.4	-99	-99
139	GS-07-194	7741256	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	7.86	-0.5	-2	-50	1	-2	-0.5	0.96	-0.3	61	7	33	-1	3	-99	-99	-0.2	-99	1.98	-99	-99
140	GS-07-195	7740079	0.43	0.30	0.014	0.12	2.41	3.76	0.032	0.008	0.66	99.70	-0.1	-99	-2	-2	208	0.5	-99	1.4	-99	-0.2	4	-1	1	2	3	1.0	-99	0.4	68	0.5	-99	-99
141	GS-07-196	7741257	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1	7.62	6.9	-2	710	5	-2	-0.5	3.51	0.6	-3	10	40	-1	48	-99	-99	1.2	-99	3.03	-99	-99
142	GS-07-197	7740043	11.10	6.42	0.207	9.32	2.55	0.70	1.128	0.090	0.63	98.68	-0.1	-99	4	-99	182	0.2	-0.5	-99	-99	0.3	16.6	53	103	1.2	165	3.3	2.0	1.05	131	-99	16	3.3
143	GS-07-198	7740044	11.96	5.71	0.265	8.59	3.01	0.69	1.297	0.109	0.37	99.80	-0.1	-99	5	7	205	0.3	-0.5	-0.5	-99	0.4	20.3	55	49	1.2	249	4.0	2.3	1.24	135	10.8	17	4.0
144	GS-07-199	7740045	15.04	5.42	0.292	3.93	3.85	0.59	1.416	0.129	0.44	100.83	-0.1	-99	31	-99	200	1.0	-0.5	-99	-99	0.4	21.2	58	69	-0.5	64	4.4	2.5	1.21	239	-99	19	4.2
145	GS-07-204	7740046	3.42	1.53	0.171	14.06	4.81	2.28	0.149	0.022	6.83	99.58	0.3	-99	9	6	548	1.5	-0.5	1.9	-99	10.5	213.2	4	4	-0.5	44	6.1	3.7	0.53	79	3.0	30	7.6
146	GS-07-206	7741258	-99	8.78	0.18	16.06	4.88	0.24	0.364	0.04	22.15	99.10	0.9	-99	4	-5	17	4	-2	-1	-99	0.6	7	41	149	-0.5	588	-99	-99	0.5	-99	-99	-99	-99
147	GS-07-212	7741259	-99	1.43	0.06	3.36	0.19	-0.01	0.014	0.02	5.52	99.51	2.8	-99	8	-5	7	1	-2	-1	-99	-0.5	-3	5	94	-0.5	13	-99	-99	-0.1	-99	-99	-99	-99
148	GS-07-213	7740047	5.53	5.62	0.173	7.53	5.08	0.91	0.912	0.136	1.50	98.81	-0.1	-99	10	-99	268	2.5	-0.5	-99	-99	-0.2	26.7	41	59	1.4	27	3.7	2.2	1.10	776	-99	15	3.7
149	GS-07-214	7740048	1.21	0.21	0.030	0.57	3.62	4.61	0.214	0.019	0.33	99.51	-0.1	-99	9	-2	69	6.4	-0.5	-0.5	-99	-0.2	255.6	3	2	0.7	18	18.7	11.7	0.22	814	1.9	34	18.1
150	GS-07-215	7740049	1.46	2.34	0.084	4.19	7.75	2.28	0.940	0.404	3.01	99.92	-0.1	-99	16	-2	1250	0.9	-0.5	-0.5	-99	-0.2	43.8	21	31	0.8	-1	3.3	1.9	1.42	418	4.1	16	3.8
151	GS-07-216	7740051	2.16	2.46	0.136	4.55	9.23	0.07	0.680	0.171	0.55	100.96	-0.1	-99	9	-2	40	1.7	-0.5	0.6	-99	0.3	71.4	19	119	-0.5	47	4.2	2.6	1.09	624	3.8	19	4.7
152	GS-07-218	7740182	5.83	8.06	0.151	8.60	3.65	2.09	0.595	0.177	1.56	98.40	-0.1	-99	3	-99	975	0.8	-0.5	-99	-99	-0.2	33.1	37	340	1.5	48	3.1	1.6	1.26	-99	-99	14	3.8
153	GS-07-220	7740052	3.97	2.76	0.110	4.08	8.13	1.26	1.153	0.330	1.62	100.28	-0.1	-99	10	-2	1124	1.5	-0.5	-0.5	-99	-0.2	97.4	31	21	1.3	38	6.3	3.4	2.97	738	6.6	24	7.5
154	GS-07-221	7741261	-99	1.25	0.10	2.92	9.49	0.06	0.685	0.23	1.00	100.10	3.1	-99	14	10	1170	12	-2	-1	-99	0.7	136	7	50	-0.5	76	-99	-99	5.9	-99	-99	-99	-99
155	GS-07-222	7740183	7.13	7.88	0.199	9.33	3.98	1.36	1.270	0.198	1.06	98.77	-0.1	-99	6	-99	1793	0.1	-0.5	-99	-99	-0.2	20.0	53	129	3.4	135	3.6	2.2	1.34	-99	-99	16	3.5
156	GS-07-225	7740068	1.71	0.34	0.044	1.10	3.94	5.41	0.360	0.077	0.52	99.06	-0.1	-99	9	-2	621	5.4	-0.5	-0.5	-99	-0.2	187.1	6	2	2.6	2	10.0	6.2	1.34	1470	1.9	27	10.8
157	GS-07-226	7740184	1.03	0.26	0.052	1.63	6.37	5.75	0.423	0.017	0.92	98.61	-0.1	-99	7	-99	833	4.1	-0.5	-99	-99	-0.2	215.5	6	2	0.6	3	11.6	7.1	1.45	-99	-99	29	11.5
158	GS-07-227	7741262	-99	4.57	0.18	9.79	5.78	0.35	1.011	0.26	1.20	98.64	1.5	-99	9	-5	474	6	-2	-1	-99	1.0	74	36	122	-0.5	57	-99	-99	2	-99	-99	-99	-99
159	GS-07-229	7741263	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.6	8.57	8.8	-2	720	7	-2	-0.5	0.95	0.3	76	13	29	-1	3	-99	-99	2.9	-99	4.40	-99	-99
160	GS-07-230	7740053	0.94	0.09	0.019	0.46	6.10	7.13	0.216	0.016	0.53	100.92	-0.1	-99	9	-2	227	3.4	-0.5	-0.5	-99	-0.2	346.7	2	2	0.7	2	27.1	17.1	0.28	63	2.2	44	26.0
161	GS-07-231	7740054	3.52	2.03	0.116	5.04	4.34	3.39	1.123	0.514	1.43	99.67	-0.1	-99	9	-99	1590	1.9	-0.5	-99	-99	-0.2	92.8	22	7	2.2	40	5.8	3.4	2.39	688	-99	25	6.9
162	GS-07-232	7740055	1.67	0.33	0.044	1.19	3.51	4.99	0.383	0.066	0.70	99.50	-0.1	-99	7	-99	1696	2.9	-0.5	-99	-99	-0.2	164.5	6	2	1.7	4	8.0	4.9	1.74	689	-99	24	8.8
163	GS-07-233	7740185	6.25	5.75	0.186	9.44	2.98	1.32	0.857	0.232	1.16	98.50	-0.1	-99	2	-99	474	0.8	-0.5	-99	-99	0.2	44.2	33	97	1.0	20	3.2	1.9	1.22	-99	-99	17	3.9
164	GS-07-234	7740056	1.67	0.32	0.044	1.16	3.51	4.97	0.373	0.065	0.72	99.77	-0.1	-99	8	-2	1690	3.0	-0.5	-0.5	-99	-0.2	171.6	6	2	1.8	6	8.4	5.0	1.80	731	2.4	26	9.3
165	GS-07-235	7740057	1.41	0.30	0.029	0.86	3.64	5.18	0.305	0.052	0.67	98.59	-0.1	-99	5	-99	1273	2.8	-0.5	-99	-99	-0.2	167.9	5	2	0.8	7	7.7	4.7	1.40	490	-99	26	8.9
166	GS-07-238	7740058	2.26	0.44	0.069	1.78	3.42	4.82	0.499	0.109	0.36	98.07	-0.1	-99	7	-2	1423	3.4	-0.5	1.5	-99	-0.2	350.5	9	3	0.7	6	18.7	10.6	3.41	897	3.6	39	20.6
167	GS-07-239	7740186	11.51	5.53	0.265	7.58	4.38	1.77	2.161	1.187	1.02	99.50	-0.1	-99	-2	-99	1268	0.9	-0.5	-99	-99	-0.2	77.1	53	8	1.4	99	6.4	3.3	2.88	-99	-99	22	8.2
168	GS-07-240	7740059	1.48	0.38	0.036	1.09	4.45	4.44	0.352	0.064	0.70	100.19	-0.1	-99	7	-2	1372	4.3	-0.5	-0.5	-99	-0.2	252.2	6	2	-0.5	-1	12.9	7.8	2.68	387	2.6	33	14.3
169	GS-07-241	7740061	1.15	0.26	0.025	0.93	3.92	4.90	0.302	0.051	0.74	100.69	-0.1	-99	6	-2	1231	2.5	-0.5	-0.5	-99	-0.2	174.9	5	2	-0.5	1	7.5	4.5	1.32	516	2.0	25	8.5
170	GS-07-242	7741264	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.8	8.38	4.5	-2	840	2	-2	-0.5	1.34	-0.3	143	-1	14	-1	28	-99	-99	1.4	-99	2.01	-99	-99
171	GS-07-244	7740187	1.36	0.26	0.049	1.25	4.07	4.82	0.377	0.063	0.76	100.22	-0.1	-99	4	-2	1537	3.1	-0.5	-0.5	-99	-0.2	155.8	6	2	0.7	4	7.6	4.6	1.61	-99	2.4	25	8.7

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
172	GS-07-245	7740188	10.22	6.54	0.198	7.59	3.77	1.95	2.161	0.365	1.21	99.32	-0.1	-99	-2	-99	1862	0.3	-0.5	-99	-99	-0.2	31.5	59	47	2.5	16	5.7	3.3	2.07	-99	-99	19	5.8
173	GS-07-247	7740189	7.27	4.84	0.153	6.80	3.33	2.57	2.018	1.161	0.90	98.61	-0.1	-99	3	-99	2048	1.1	-0.5	-99	-99	-0.2	94.3	41	102	1.0	32	5.1	2.4	3.37	-99	-99	24	8.0
174	GS-07-248	7740062	1.39	0.33	0.037	1.05	3.88	5.03	0.391	0.074	0.34	100.91	-0.1	-99	7	-99	1665	3.1	-0.5	-99	-99	-0.2	158.7	7	2	0.8	4	7.9	4.7	1.66	359	-99	24	8.6
175	GS-07-249	7740063	2.09	0.40	0.081	2.04	3.87	5.00	0.488	0.113	0.59	99.96	-0.1	-99	11	-2	1634	3.5	-0.5	-0.5	-99	-0.2	311.0	8	3	0.8	3	16.2	9.3	3.25	571	3.5	34	18.3
176	GS-07-251	7740064	2.36	0.24	0.114	2.73	9.04	0.26	0.387	0.057	0.84	99.98	-0.1	-99	11	8	110	10.1	-0.5	0.5	-99	15.6	390.1	9	2	-0.5	18	21.0	13.1	2.78	155	2.6	44	22.8
177	GS-07-252	7740065	1.02	0.33	0.044	1.14	7.83	0.08	0.358	0.065	0.88	99.62	-0.1	-99	6	-99	1493	3.7	-0.5	-99	-99	-0.2	163.0	6	2	-0.5	2	7.9	4.8	1.62	197	-99	25	8.9
178	GS-07-254	7740066	6.64	4.11	0.131	6.63	6.03	0.85	1.043	0.330	0.58	99.63	-0.1	-99	4	-2	1169	1.0	-0.5	-0.5	-99	-0.2	49.6	33	37	2.2	42	3.8	2.2	1.62	511	6.8	20	4.6
179	GS-07-255	7741265	-99	0.39	0.07	1.95	10.23	0.02	0.293	0.07	0.91	99.11	4.6	-99	-2	-5	1940	8	-2	-1	-99	-0.5	247	-1	91	-0.5	3	-99	-99	-0.1	-99	-99	-99	-99
180	GS-07-256	7741266	-99	7.37	0.26	16.96	2.04	0.52	0.949	0.07	1.88	98.67	5.2	-99	9	-5	94	15	-2	-1	-99	1.1	-3	50	199	2.5	179	-99	-99	1.5	-99	-99	-99	-99
181	GS-07-257	7741267	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.8	7.75	3.3	-2	-50	2	-2	-0.5	1.29	-0.3	-3	8	62	3	26	-99	-99	-0.2	-99	1.54	-99	-99
182	GS-07-259	7741268	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	8.16	-0.5	-2	-50	2	-2	-0.5	5.35	0.7	6	46	153	3	229	-99	-99	0.5	-99	7.30	-99	-99
183	GS-07-260	7741269	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	10.90	-0.5	7	280	2	-2	-0.5	3.34	0.3	110	14	48	5	5	-99	-99	0.7	-99	2.88	-99	-99
184	GS-07-261	7740081	0.92	0.51	0.024	0.82	2.52	6.27	0.111	0.020	0.49	99.75	-0.1	-99	-2	-2	688	1.0	-99	-0.5	-99	-0.2	11	2	2	1	7	0.6	-99	-1	253	0.8	-99	-99
185	GS-07-262	7741271	-99	1.48	0.13	3.01	4.90	3.96	0.684	0.26	0.57	100.40	0.7	-99	2	-5	1140	2	-2	-1	-99	-0.5	79	10	15	-0.5	18	-99	-99	1.5	-99	-99	-99	-99
186	GS-07-263	7741272	-99	1.59	0.41	5.22	6.56	0.59	0.729	0.26	0.65	98.76	5	-99	-2	-5	269	12	-2	-1	-99	0.7	-3	19	138	-0.5	4	-99	-99	-0.1	-99	-99	-99	-99
187	GS-07-263B	7741629	-99	0.85	0.25	3.29	4.94	0.33	0.553	0.19	0.07	100.80	0.9	-99	6	-99	194	9	-0.4	-99	-99	-99	84.5	9	30	-0.5	-10	5.2	3.0	1.75	-99	-99	16	5.6
188	GS-07-268	7741273	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	4.86	2	-2	390	1	-2	-0.5	0.12	-0.3	18	5	42	6	3	-99	-99	0.4	-99	2.37	-99	-99
189	GS-07-269	7741274	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.5	3.86	1.9	-2	340	1	-2	-0.5	0.35	-0.3	68	4	85	4	1	-99	-99	1	-99	2.05	-99	-99
190	GS-07-270	7741275	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	2.11	2.1	-2	180	-1	-2	-0.5	0.47	-0.3	63	5	55	4	6	-99	-99	0.5	-99	3.16	-99	-99
191	GS-07-271	7741276	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.7	4.87	5.2	-2	1350	2	-2	-0.5	1.15	-0.3	30	2	66	-1	11	-99	-99	-0.2	-99	0.85	-99	-99
192	GS-07-272	7741277	-99	3.59	0.24	9.25	3.84	0.11	1.670	0.16	13.02	99.31	0.8	-99	60	-5	78	3	-2	-1	-99	0.8	32	37	23	-0.5	120	-99	-99	1.7	-99	-99	-99	-99
193	GS-07-273	7741278	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.9	0.29	216	-2	-50	1	-2	-0.5	0.50	1.8	-3	4	159	-1	95	-99	-99	-0.2	-99	14.90	-99	-99
194	GS-08-003	7741293	-99	5.77	0.06	14.35	4.46	0.17	0.711	0.05	19.83	99.83	0.6	-99	26	-5	134	1	-2	-1	-99	-0.5	-99	39	113	-0.5	24	-99	-99	1.9	-99	-99	-99	-99
195	GS-08-005	7741294	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.3	2.25	14.4	-2	-99	2	-2	1.0	14.20	0.5	-99	59	681	-0.5	12	-99	-99	4.2	-99	9.01	-99	-99
196	GS-08-007	7740082	-99	1.36	0.078	2.90	5.80	1.80	0.590	0.261	4.21	98.86	-0.1	-99	80	-2	540	1.9	-99	0.7	-99	-0.2	81	9	8	0.9	68	2.1	-99	-1	-99	2.8	-99	-99
197	GS-08-008	7740083	-99	1.32	0.066	2.93	5.92	1.91	0.596	0.275	4.03	99.41	-0.1	-99	15	-99	623	1.9	-99	-99	-99	3.7	81	9	8	-99	38	2.3	-99	-99	-99	-99	-99	-99
198	GS-08-011	7741295	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	4	-5	1560	-99	-99	-1	9	-99	25	25	72	-2	-99	-99	-99	-0.1	-99	6.12	-99	-99
199	GS-08-016	7740084	14.49	6.07	0.238	6.51	0.99	0.02	1.954	0.168	8.19	99.23	-0.1	-99	5	-99	22	-0.1	-99	-99	-99	0.7	20	52	40	-99	85	7.1	-99	-99	-99	-99	-99	-99
200	GS-08-017	7740085	11.82	6.17	0.240	9.03	2.52	0.32	1.260	0.098	0.46	100.24	-0.1	-99	15	-99	95	-0.1	-0.5	-99	-99	0.6	19.3	47	56	0.7	235	3.9	2.3	1.17	-99	-99	18	4.0
201	GS-08-019	7741296	-99	4.23	0.04	7.84	1.70	0.75	1.262	0.09	2.77	100.10	0.8	-99	20	-5	90	2	-2	-1	-99	-0.5	41	55	76	3.0	559	-99	-99	1.5	-99	-99	-99	-99
202	GS-08-021	7741297	-99	5.57	0.05	8.22	4.06	0.45	1.363	0.14	0.30	100.80	0.6	-99	48	9	21	1	-2	-1	-99	-0.5	24	56	83	2.2	123	-99	-99	1.1	-99	-99	-99	-99
203	GS-08-022	7741298	-99	5.08	0.04	6.11	4.19	0.45	1.257	0.10	0.62	99.69	1.1	-99	76	-5	34	2	-2	-1	-99	0.6	-99	49	88	-0.5	195	-99	-99	2.0	-99	-99	-99	-99
204	GS-08-023	7741299	-99	4.12	0.08	14.18	2.81	1.39	1.172	0.12	5.46	99.70	9.1	-99	17	12	284	2	-2	-1	-99	1.1	-99	47	196	1.3	219	-99	-99	-0.1	-99	-99	-99	-99
205	GS-08-025	7740086	11.23	6.70	0.255	9.18	2.71	0.52	1.178	0.089	0.72	100.32	-0.1	-99	248	44	144	-0.1	-0.5	-0.5	-99	0.6	17.0	47	78	0.6	71	3.7	2.1	1.16	-99	10.1	18	3.6
206	GS-08-026	7741301	-99	4.28	0.05	7.90	2.28	0.96	1.093	0.08	3.68	99.38	1.3	-99	336	15	269	2	-2	-1	-99	0.6	36	47	115	-0.5	890	-99	-99	1.3	-99	-99	-99	-99
207	GS-08-027	7740087	10.95	6.13	0.218	10.04	2.49	0.35	1.133	0.089	0.43	99.94	-0.1	-99	3	-99	96	-0.1	-0.5	-99	-99	0.6	17.2	47	82	0.7	226	3.6	2.1	0.95	-99	-99	17	3.5
208	GS-08-028	7741302	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.6	6.33	64.8	-2	336	3	-2	-0.5	1.00	0.8	68	47	113	2	246	-99	-99	1.4	-99	10.70	-99	-99
209	GS-08-031	7741303	-99	4.18	0.03	1.66	2.25	0.57	1.235	0.07	1.74	99.64	-0.5	-99	24	-5	59	1	-2	-1	-99	-0.5	28	41	73	-0.5	169	-99	-99	1.0	-99	-99	-99	-99
210	GS-08-033	7741304	-99	0.26	-0.01	1.68	3.63	3.36	0.106	-0.01	1.77	100.20	2.1	-99	90	-5	409	-1	-2	-1	-99	55.4	147	-1	17	1.5	70	-99	-99	0.8	-99	-99	-99	-99
211	GS-08-034	7741305	-99	0.23	-0.01	1.20	4.02	2.94	0.105	0.02	0.88	100.80	1	-99	29	-5	469	-1	-2	-1	-99	13.7	140	3	11	-0.5	65	-99	-99	-0.1	-99	-99	-99	-99
212	GS-08-035	7740088	4.94	10.70	0.123	12.74	1.36	0.97	0.351	0.023	2.43	97.22	-0.1	-99	-2	3	113	-0.1	-0.5	0.9	-99	0.5	1.6	33	1008	1.2	45	1.3	0.8	0.29	-99	4.5	12	1.1
213	GS-08-036	7740089	11.44	5.80	0.245	8.51	3.13	0.22	1.168	0.092	0.30	98.14	-0.1	-99	5	-99	45	-0.1	-0.5	-99	-99	0.8	18.1	50	65	-0.5	237	3.8	2.2	1.08	-99	-99	16	3.5
214	GS-08-037	7740091	10.43	6.56	0.230	7.53	3.43	0.58	1.124	0.115	0.89	98.12	-0.1	-99	16	-99	171	0.3	-0.5	-99	-99	0.6	25.4	48	140	-0.5	179	3.7	2.1	1.14	-99	-99	14	3.9
215	GS-08-038	7741306	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.3	5.94	68.3	25	-50	2	-2	-0.5	1.45	0.4	52	38	103	-0.5	132	-99	-99	1.1	-99	8.68	-99	-99
216	GS-08-039	7741307	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1	5.90	745	-2	-50	3	-2	-0.5	1.08	0.5	50	62	236	6	259	-99	-99	1.1	-99	11.63	-99	-99
217	GS-08-040	7741308	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.5	7.07	288	-2	-50	1	-2	-0.5	1.16	0.3	59	50	80	-0.5	281	-99	-99	1.6	-99	7.39	-99	-99
218	GS-08-042	7741309	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.4	5.49	221	-2	-50	1	-2	-0.5	6.44	0.5	24	52	71	2	117	-99	-99	1.3	-99	11.02	-99	-99
219	GS-08-043	7740092	11.61	5.63	0.209	7.39	3.44	0.21	1.309	0.122	0.13	98.10	-0.1	-99	13	7	93	-0.1	-0.5	0.5	-99	0.6	23.6	47	71	-0.5	194	4.3	2.7	1.22	-99	10.3	14	4.4
220	GS-08-044	7740093	11.33	5.62	0.214	9.92	2.46	0.19	1.349	0.121	0.26	98.06	-0.1	-99	-2	-99	48	-0.1	-0.5	-99	-99	0.6	24.7	48	61	-0.5	178	4.2	2.7	1.37	-99	-99	19	4.5
221	GS-08-045	7740094	11.72	6.04	0.227	8.34	3.07	0.32	1.248	0.096	0.35	98.26	-0.1	-99	17	-99	85	-0.1	-0.5	-99	-99	0.6	19.5	51	61	-0.5	192	3.9	2.3	1.15	-99	-99	19	4.0
222	GS-08-047	7741311	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.8	6.70	423	-2	-50	2	-2	-0.5	1.33	0.4	40	96	80	2	629	-99	-99	1.1	-99	10.56	-99	-99
223	GS-08-048	7741312	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.7	3.23	99.8	-2	-50	2	-2	-0.5	1.23	0.4	118	30	85	-0.5	518	-99	-99	2.0	-99	7.21	-99	-99
224	GS-08-049	7741313	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.7	3.45	95.5	-2	-50	2	-2	-0.5	0.51	0.3	37	70	94	-0.5	389	-99	-99	1.2	-99	6.13	-99	-99
225	GS-08-050	7740095	-99	2.33	0.100	0.85	8.06	0.17	1.444	0.029	2.04	98.91	-0.1	-99	419	-99	43	0.4	-0.5	-99	-99	0.6	23.1	96	83	-0.5	358	4.1	2.5	1.03	-99	-99	21	3.7
226	GS-08-053	7740096	8.36	6.09	0.153	9.26	3.41	0.09	0.755	0.055	11.10	99.88	-0.1	-99	-2	4	18	0.2	-99	-0.5	-99	0.4	6	40	212	-0.5	145	1.4	-99	-1	-99	7.3	-99	-99
227	GS-08-054	7741314	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	3.57	3.4	11	-50	1	-2	-0.5	8.08	-0.3	6	36	157	-0.5	44	-99	-99	-0.2	-99	5.82	-99	-99
228	GS-08-055	7741315	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	5.83	-0.5	185	192	1	-2	-0.5	6.03	0.3	7	46	185	-0.5	192	-99	-99	0.7	-99	7.64	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit					0.001,					0.001,			0.1		0.1		1 to		0.02		0.01,	0.1 to			1 to	0.05				0.1		0.02,	0.1,	
			0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.01		to 5	0.01	to 5	2, 5	100	0.1, 1	to 2	0.5, 1	1	0.5	3	1, 5	20	to 2	1, 10	0.1	0.1	to 1	5	0.1	1	0.1
229	GS-08-057	7741316	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.8	4.54	3.4	-2	-50	1	-2	-0.5	10.30	0.5	8	46	61	-0.5	192	-99	-99	0.4	-99	6.68	-99	-99
230	GS-08-058	7741317	-99	3.60	0.03	8.43	6.02	0.12	2.090	0.23	12.29	100.50	-0.5	-99	26	-5	27	2	-2	-1	-99	-0.5	24	40	23	2.6	19	-99	-99	1.4	-99	-99	-99	-99
231	GS-08-059	7741318	-99	1.96	-0.01	4.06	-0.01	-0.01	0.031	0.04	6.25	100.80	-0.5	-99	20	-5	-3	-1	-2	-1	-99	-0.5	-3	11	22	-0.5	35	-99	-99	0.3	-99	-99	-99	-99
232	GS-08-060	7741319	-99	2.03	0.01	4.66	-0.01	0.09	0.052	0.06	6.89	100.20	1.3	-99	21	-5	9	1	-2	-1	-99	-0.5	-99	16	24	1.3	12	-99	-99	-0.1	-99	-99	-99	-99
233	GS-08-061	7741321	-99	1.15	-0.01	2.60	-0.01	0.05	0.021	0.03	3.94	100.30	-0.5	-99	22	-5	3	-1	-2	1	-99	-0.5	-3	8	22	-0.5	11	-99	-99	-0.1	-99	-99	-99	-99
234	GS-08-062	7741322	-99	4.68	0.04	11.21	5.32	0.22	1.835	0.25	16.03	99.83	-0.5	-99	23	-5	22	2	-2	-1	-99	-0.5	15	41	20	-0.5	39	-99	-99	1.4	-99	-99	-99	-99
235	GS-08-063	7740097	5.82	6.43	0.158	13.33	5.38	0.35	0.400	0.027	20.47	99.52	-0.1	-99	-2	4	43	0.4	-99	-0.5	-99	0.6	2	32	162	-0.5	138	1.6	-99	-1	-99	6.0	-99	-99
236	GS-08-064	7741323	-99	7.86	0.04	14.96	5.08	0.02	0.456	0.04	22.95	99.10	-0.5	-99	23	-5	8	3	-2	-1	-99	-0.5	-3	44	130	-0.5	5	-99	-99	0.5	-99	-99	-99	-99
237	GS-08-065	7741324	-99	6.60	0.03	14.97	5.51	0.06	0.623	0.10	22.17	99.96	1	-99	21	-5	11	2	-2	-1	-99	-0.5	22	38	134	-0.5	7	-99	-99	-0.1	-99	-99	-99	-99
238	GS-08-066	7741325	-99	5.83	0.03	12.73	6.16	0.06	0.583	0.05	19.71	100.70	3.1	-99	21	36	12	2	-2	-1	-99	-0.5	5	43	198	-0.5	133	-99	-99	0.4	-99	-99	-99	-99
239	GS-08-068	7740098	9.22	6.23	0.182	11.23	2.31	0.15	0.730	0.054	12.36	98.62	-0.1	-99	38	8	36	-0.1	-99	-0.5	-99	0.4	7	39	183	-0.5	145	2.1	-99	-1	-99	7.7	-99	-99
240	GS-08-073	7741326	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.6	0.26	3.8	8	312	-1	-2	1.8	4.91	-0.3	11	10	11	-0.5	138	-99	-99	-0.2	-99	3.41	-99	-99
241	GS-08-074	7740099	0.31	0.12	0.024	0.41	4.19	4.01	0.084	0.007	0.39	98.11	-0.1	-99	3	-2	116	2.3	-99	-0.5	-99	-0.2	104	2	1	-0.5	6	4.9	-99	-1	-99	0.6	-99	-99
242	GS-08-075	7740101	6.16	5.30	0.157	9.19	3.20	1.32	0.767	0.130	2.00	98.35	-0.1	-99	-2	-99	573	0.2	-99	-99	-99	-0.2	24	33	72	-99	84	2.8	-99	-99	-99	-99	-99	-99
243	GS-08-076	7740102	0.18	0.09	0.022	0.39	5.34	2.14	0.093	0.007	0.40	98.89	-0.1	-99	-2	-2	76	4.9	-99	-0.5	-99	0.2	107	1	1	-0.5	4	7.5	-99	-1	-99	0.8	-99	-99
244	GS-08-078	7740103	2.49	1.35	0.145	3.17	4.81	3.93	0.734	0.281	0.59	98.17	-0.1	-99	2	-2	1263	1.6	-99	0.6	-99	-0.2	102	14	5	1.1	7	4.1	-99	2	-99	3.8	-99	-99
245	GS-08-079	7740104	3.15	1.50	0.148	3.02	4.12	4.30	0.747	0.294	0.78	98.64	-0.1	-99	2	-99	1267	1.8	-99	-99	-99	-0.2	98	15	4	-99	30	4.1	-99	-99	-99	-99	-99	-99
246	GS-08-080	7740105	1.40	0.56	0.093	1.57	4.31	5.46	0.561	0.134	0.50	97.18	-0.1	-99	-2	-99	2931	1.5	-99	-99	-99	-0.2	84	7	1	-99	6	3.0	-99	-99	-99	-99	-99	-99
247	GS-08-081	7740106	2.84	1.54	0.156	3.46	4.37	3.81	0.768	0.297	0.47	98.93	-0.1	-99	2	-2	1271	1.5	-99	-0.5	-99	-0.2	96	14	5	0.7	4	3.9	-99	-1	-99	4.4	-99	-99
248	GS-08-082	7740107	0.55	0.13	0.020	0.43	4.24	4.04	0.107	0.009	0.40	98.05	-0.1	-99	-2	-99	108	4.4	-99	-99	-99	-0.2	118	2	1	-99	10	6.4	-99	-99	-99	-99	-99	-99
249	GS-08-083	7740108	0.38	0.07	0.013	0.19	4.31	2.11	0.085	0.005	0.32	98.02	-0.1	-99	-2	-99	75	2.4	-99	-99	-99	-0.2	86	-1	-1	-99	4	5.8	-99	-99	-99	-99	-99	-99
250	GS-08-084	7740109	0.17	0.08	0.008	0.41	4.71	2.24	0.081	0.006	0.28	98.37	-0.1	-99	3	-99	88	3.5	-99	-99	-99	-0.2	92	-1	1	-99	4	4.6	-99	-99	-99	-99	-99	-99
251	GS-08-088	7740111	-99	0.05	0.007	0.26	2.45	1.25	0.041	0.007	0.35	97.09	-0.1	-99	-2	-99	57	1.6	-99	-99	-99	-0.2	58	1	-1	-99	13	2.7	-99	-99	-99	-99	-99	-99
252	GS-08-089	7740112	2.24	1.03	0.272	3.93	6.40	1.03	0.084	0.007	0.61	98.85	-0.1	-99	3	-99	439	28.6	-99	-99	-99	-0.2	61	6	1	-99	11	5.1	-99	-99	-99	-99	-99	-99
253	GS-08-090	7740113	0.36	0.15	0.018	0.46	6.98	0.15	0.130	0.018	0.45	98.74	-0.1	-99	2	3	46	5.3	-99	-0.5	-99	-0.2	158	2	1	-0.5	6	7.9	-99	-1	-99	1.0	-99	-99
254	GS-08-092	7740114	0.40	0.11	0.026	0.70	5.59	2.35	0.132	0.016	0.49	98.81	-0.1	-99	2	-99	114	7.2	-99	-99	-99	-0.2	156	2	1	-99	3	8.2	-99	-99	-99	-99	-99	-99
255	GS-08-095	7740115	-99	0.11	0.009	0.36	6.73	0.17	0.152	0.014	0.61	98.07	-0.1	-99	-2	-99	26	4.3	-99	-99	-99	-0.2	114	2	1	-99	74	5.6	-99	-99	-99	-99	-99	-99
256	GS-08-103	7741327	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.2	7.82	54.5	31	264	2	-2	-0.5	0.54	0.8	58	36	281	2	212	-99	-99	1.2	-99	7.96	-99	-99
257	GS-08-104	7740116	5.85	3.83	0.123	6.54	0.99	3.01	0.642	0.229	8.94	99.98	-0.1	-99	2	-99	628	1.7	-99	-99	-99	-0.2	50	28	19	-99	1	2.5	-99	-99	-99	-99	-99	-99
258	GS-08-107	7741328	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	5.92	4.0	-2	480	2	-2	-0.5	3.06	-0.3	82	5	32	4	2	-99	-99	1.1	-99	1.73	-99	-99
259	GS-08-128	7741329	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	36	79	663	-99	-99	-1	3	-99	39	17	1270	-2	-99	-99	-99	-0.1	-99	9.75	-99	-99
260	GS-08-129	7741331	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	8	-5	754	-99	-99	-1	-1	-99	101	69	87	9	-99	-99	-99	4.0	-99	9.95	-99	-99
261	GS-08-131	7741332	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.6	1.51	9.6	13	312	1	-2	-0.5	0.13	-0.3	35	480	25	-0.5	802	-99	-99	1.7	-99	15.12	-99	-99
262	GS-08-132	7741333	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.1	1.14	81.4	12	264	1	-2	-0.5	1.17	8.0	82	76	48	-0.5	72	-99	-99	-0.2	-99	25.20	-99	-99
263	GS-08-133	7741334	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.3	0.57	112	10	-50	1	-2	-0.5	1.41	4.0	103	66	47	-0.5	11	-99	-99	-0.2	-99	19.56	-99	-99
264	GS-08-134	7741335	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	4	-5	650	-99	-99	-1	-1	-99	39	-5	85	4	-99	-99	-99	0.9	-99	3.48	-99	-99
265	GS-08-135	7741336	-99	0.55	0.08	0.98	0.04	-0.01	0.046	0.74	1.44	100.10	1.5	-99	58	25	38	2	-2	-1	-99	3.4	-99	32	52	-0.5	125	-99	-99	-0.1	-99	-99	-99	-99
266	GS-08-136	7740117	7.30	4.84	0.152	7.43	3.08	1.25	0.996	0.228	9.24	98.47	-0.1	-99	13	-99	369	0.7	-99	-99	-99	0.4	31	26	71	-99	13	2.5	-99	-99	-99	-99	-99	-99
267	GS-08-137	7740118	0.02	0.50	0.024	0.63	1.64	4.03	0.234	0.045	1.91	96.40	-0.1	-99	2	-99	1371	2.5	-99	-99	-99	-0.2	107	3	2	-99	-1	3.4	-99	-99	-99	-99	-99	-99
268	GS-08-142	7741337	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	117	99	-100	-99	-99	-1	-1	-99	16	7	253	-2	-99	-99	-99	-0.1	-99	16.64	-99	-99
269	GS-08-143	7741338	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	18	-5	1950	-99	-99	-1	-1	-99	38	77	112	9	-99	-99	-99	1.6	-99	8.49	-99	-99
270	GS-08-144	7741339	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.6	5.83	208	34	-50	3	-2	-0.5	2.50	13.1	26	52	150	-0.5	350	-99	-99	1.0	-99	12.60	-99	-99
271	GS-08-145	7741341	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.4	4.56	4.8	-2	288	2	-2	-0.5	0.45	-0.3	65	2	32	4	3	-99	-99	1.1	-99	1.46	-99	-99
272	GS-08-146	7741342	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.4	5.61	21.4	-2	336	2	-2	1.0	1.78	-0.3	56	5	29	2	2	-99	-99	1.1	-99	2.00	-99	-99
273	GS-08-150	7741343	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	4	-5	-100	-99	-99	-1	4	-99	-3	35	67	3	-99	-99	-99	-0.1	-99	7.02	-99	-99
274	GS-08-151	7741344	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.8	2.94	3.2	19	-50	1	-2	1.7	10.50	-0.3	16	44	152	-0.5	776	-99	-99	1.3	-99	6.48	-99	-99
275	GS-08-152	7740119	3.40	7.55	0.039	0.39	0.08	1.34	0.224	0.052	4.72	95.38	0.2	-99	5	-99	323	1.3	-99	-99	-99	-0.2	60	14	35	-99	59	2.5	-99	-99	-99	-99	-99	-99
276	GS-08-153	7741345	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	21	-5	-100	-99	-99	-1	5	-99	5	43	173	-2	-99	-99	-99	1.2	-99	7.67	-99	-99
277	GS-08-154	7741346	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	33	-5	676	-99	-99	-1	-1	-99	14	40	161	-2	-99	-99	-99	-0.1	-99	5.29	-99	-99
278	GS-08-156	7741347	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	7	-5	468	-99	-99	-1	3	-99	21	53	219	-2	-99	-99	-99	-0.1	-99	13.39	-99	-99
279	GS-08-158	7741348	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.9	5.15	234	66	264	1	-2	5.3	3.03	1.3	67	44	323	-0.5	333	-99	-99	2.2	-99	11.18	-99	-99
280	GS-08-161	7741349	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	3.31	5.6	-2	156	1	-2	-0.5	13.30	-0.3	43	7	34	-0.5	13	-99	-99	0.5	-99	1.62	-99	-99
281	GS-08-175	7740121	1.54	0.24	0.043	1.13	3.44	4.98	0.367	0.058	0.43	98.67	-0.1	-99	4	-99	1654	2.8	-0.5	-99	-99	-0.2	160.1	5	2	2.4	7	7.5	4.6	1.77	-99	-99	22	8.6
282	GS-08-176	7740122	1.00	0.31	0.028	1.08	3.42	4.92	0.298	0.041	0.73	98.37	-0.1	-99	4	-2	1262	2.7	-0.5	0.9	-99	-0.2	153.0	4	2	1.3	12	7.5	4.3	1.23	-99	1.8	20	8.2
283	GS-08-177	7740123	9.28	6.33	0.202	8.09	3.19	1.22	1.640	0.225	1.05	98.56	-0.1	-99	9	-99	404	-0.1	-0.5	-99	-99	0.9	25.1	52	40	5.7	25	4.2	2.4	1.65	-99	-99	18	4.8
284	GS-08-179	7740124	8.10	6.49	0.190	8.09	2.85	2.82	1.614	0.970	1.24	98.87	-0.1	-99	3	-99	1031	0.6	-0.5	-99	-99	-0.2	70.0	46	120	2.4	89	5.4	3.0	2.60	-99	-99	18	7.1
285	GS-08-180	7740125	8.27	8.35	0.160	9.51	2.93	0.68	0.923	0.089	1.15	100.19	-0.1	-99	-2	-99	164	-0.1	-0.5	-99	-99	0.4	7.9	47	36	0.6	51	3.1	2.0	0.81	-99	-99	16	2.9

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
286	GS-08-181	7740126	1.44	0.20	0.036	1.37	3.32	5.05	0.285	0.035	0.96	98.94	-0.1	-99	3	-99	1196	3.1	-0.5	-99	-99	1.2	154.2	7	2	1.7	52	7.7	4.6	1.13	-99	-99	21	8.7
287	GS-08-182	7740127	0.93	0.22	0.016	0.95	3.32	4.42	0.235	0.025	0.44	98.61	-0.1	-99	3	-99	808	2.4	-0.5	-99	-99	-0.2	161.5	5	2	-0.5	10	7.6	4.5	0.94	-99	-99	21	8.6
288	GS-08-183	7740128	5.92	6.43	0.184	9.25	2.91	1.29	0.694	0.228	1.99	99.49	-0.1	-99	-2	-99	419	0.9	-0.5	-99	-99	0.3	45.8	31	116	0.7	25	3.6	2.1	1.35	-99	-99	16	4.4
289	GS-08-184	7740129	0.99	0.11	0.017	0.67	3.39	5.11	0.212	0.017	0.62	99.09	-0.1	-99	4	-2	785	3.3	-0.5	-0.5	-99	0.9	159.2	3	1	-0.5	49	7.4	4.5	0.75	-99	1.4	19	8.3
290	GS-08-185	7740131	0.53	0.05	0.009	0.42	3.59	5.01	0.110	0.030	0.24	98.95	-0.1	-99	3	-99	39	4.4	-0.5	-99	-99	-0.2	174.8	1	1	0.7	5	14.0	8.8	0.18	-99	-99	29	13.3
291	GS-08-187	7740132	0.50	0.07	0.013	0.41	2.79	5.99	0.130	0.006	0.38	98.90	-0.1	-99	2	-99	248	2.9	-0.5	-99	-99	-0.2	201.5	1	1	3.1	2	11.4	6.8	0.50	-99	-99	30	12.1
292	GS-08-188	7740133	6.25	8.37	0.176	10.79	2.55	1.16	0.639	0.161	1.35	99.20	-0.1	-99	-2	-99	430	0.6	0.8	-99	-99	0.3	30.9	41	473	0.8	45	3.3	1.7	1.10	-99	-99	14	3.6
293	GS-08-189	7740134	7.53	4.53	0.162	7.12	4.01	1.72	2.164	1.576	1.43	98.17	-0.1	-99	2	-99	1357	0.7	-0.5	-99	-99	-0.2	148.0	40	105	1.1	27	5.9	2.6	3.85	-99	-99	28	9.5
294	GS-08-190	7740135	0.16	0.03	0.012	0.42	4.20	4.39	0.139	0.011	0.36	99.36	-0.1	-99	3	-99	257	2.2	-0.5	-99	-99	-0.2	180.4	1	1	-0.5	4	8.9	5.4	0.39	-99	-99	21	9.8
295	GS-08-191	7740136	0.38	0.11	0.018	0.64	4.76	3.84	0.104	0.008	0.36	98.07	-0.1	-99	4	-99	169	9.7	-0.5	-99	-99	-0.2	159.5	1	-1	0.7	4	7.6	4.9	0.38	-99	-99	28	8.0
296	GS-08-192	7741351	-99	0.06	-0.01	0.57	4.78	3.59	0.066	0.02	0.38	99.51	-0.5	-99	17	-5	97	12	-2	-1	-99	-0.5	60	-1	-1	1.3	3	-99	-99	-0.1	-99	-99	-99	-99
297	GS-08-193	7740137	1.64	0.35	0.060	1.49	3.54	5.57	0.425	0.069	1.02	98.22	-0.1	-99	4	-2	1792	4.5	-0.5	-0.5	-99	-0.2	223.7	5	4	0.9	5	12.1	7.0	2.86	-99	3.0	32	13.2
298	GS-08-195	7740211	0.24	0.05	0.011	0.59	4.24	4.25	0.108	0.005	0.28	99.67	-0.1	-99	2	-99	141	4.0	-0.5	-99	-99	-0.2	80.0	1	1	0.8	1	2.9	2.2	0.22	-99	-99	19	3.3
299	GS-08-196	7740138	2.99	0.29	0.082	1.92	3.43	4.96	0.541	0.115	0.32	98.74	-0.1	-99	7	-2	1479	3.1	-0.5	-0.5	-99	-0.2	305.0	7	2	2.0	5	15.6	9.1	3.00	-99	3.7	36	18.0
300	GS-08-198	7740139	0.21	0.02	0.009	0.59	4.16	4.53	0.109	0.004	0.50	99.49	-0.1	-99	5	-2	49	5.5	-0.5	-0.5	-99	-0.2	173.6	-1	1	0.6	3	14.0	9.1	0.19	-99	0.8	31	13.1
301	GS-08-199	7740141	0.62	0.09	0.028	0.77	2.63	6.61	0.121	0.010	0.73	98.62	-0.1	-99	5	-99	309	2.5	-0.5	-99	-99	-0.2	243.5	1	1	0.5	5	21.8	14.6	1.06	-99	-99	35	19.4
302	GS-08-200	7741352	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	5	-5	2340	-99	-99	-1	-1	-99	159	-5	-10	-2	-99	-99	-99	2.0	-99	1.98	-99	-99
303	GS-08-201	7740142	1.93	0.29	0.051	1.32	3.64	4.78	0.414	0.072	0.84	98.67	-0.1	-99	3	-99	1915	2.9	-0.5	-99	-99	-0.2	156.7	6	2	0.7	10	7.9	4.8	1.82	-99	-99	26	9.0
304	GS-08-202	7741353	-99	0.24	0.01	1.25	3.12	5.20	0.389	0.08	0.30	98.74	-0.5	-99	21	8	1760	4	-2	-1	-99	-0.5	138	4	9	-0.5	3	-99	-99	1.6	-99	-99	-99	-99
305	GS-08-203	7741354	-99	0.32	0.07	2.51	6.96	2.23	0.357	0.07	1.07	99.48	0.9	-99	22	-5	876	11	-2	-1	-99	-0.5	197	6	15	-0.5	2	-99	-99	2.4	-99	-99	-99	-99
306	GS-08-204	7740143	4.94	3.04	0.145	6.09	4.06	2.39	1.164	0.546	0.95	98.01	-0.1	-99	-2	-2	1061	1.1	-0.5	2.3	-99	-0.2	112.2	28	5	1.4	22	5.8	3.2	2.19	-99	6.8	25	7.3
307	GS-08-205	7740144	1.05	0.15	0.030	0.81	3.34	5.11	0.250	0.029	0.54	98.03	-0.1	-99	4	3	1073	3.2	0.6	-0.5	-99	-0.2	168.2	3	2	0.9	4	7.9	4.5	1.08	-99	1.6	26	8.6
308	GS-08-206	7740145	0.73	0.38	0.041	1.09	3.84	5.01	0.320	0.048	0.52	98.33	-0.1	-99	3	3	632	2.8	-0.5	-0.5	-99	-0.2	122.1	4	2	3.7	3	5.9	3.7	1.15	-99	1.2	20	6.7
309	GS-08-207	7740146	1.52	0.26	0.045	1.08	3.81	5.18	0.388	0.056	0.63	99.22	-0.1	-99	4	-99	1694	2.4	-0.5	-99	-99	-0.2	154.0	5	2	0.7	6	7.6	4.5	1.62	-99	-99	25	8.7
310	GS-08-208	7740147	0.62	0.10	0.020	0.64	3.87	4.92	0.148	0.014	0.58	98.21	-0.1	-99	4	-99	254	2.8	-0.5	-99	-99	-0.2	247.2	2	1	-0.5	6	14.0	9.1	0.64	-99	-99	34	13.7
311	GS-08-209	7740212	1.74	0.41	0.054	1.61	7.18	0.73	0.478	0.097	1.19	98.27	-0.1	-99	6	-99	1125	4.2	-0.5	-99	-99	-0.2	285.1	7	2	-0.5	7	14.6	8.8	2.79	-99	-99	33	17.0
312	GS-08-210	7740213	2.69	1.45	0.083	2.76	7.14	1.21	0.554	0.119	0.67	100.29	-0.1	-99	6	-99	1190	4.4	-0.5	-99	-99	-0.2	227.7	13	14	0.7	11	13.7	8.2	2.27	-99	-99	30	14.4
313	GS-08-211	7741355	-99	2.84	0.23	8.10	6.62	0.98	0.950	0.26	3.71	98.21	-0.5	-99	33	-5	882	5	-2	-1	-99	-0.5	87	32	36	-0.5	1	-99	-99	2.2	-99	-99	-99	-99
314	GS-08-212	7741356	-99	0.17	-0.01	0.90	7.22	0.11	0.229	0.05	0.57	99.36	-0.5	-99	19	6	727	4	-2	-1	-99	0.5	134	5	-1	-0.5	8	-99	-99	0.8	-99	-99	-99	-99
315	GS-08-213	7741357	-99	0.31	0.02	3.89	10.13	0.10	0.309	0.05	2.79	100.80	0.6	-99	22	-5	458	7	-2	-1	-99	-0.5	-99	-1	25	2.0	1	-99	-99	1.8	-99	-99	-99	-99
316	GS-08-214	7741358	-99	0.34	0.04	1.39	10.56	0.07	0.383	0.08	0.58	99.43	0.6	-99	19	-5	1340	8	-2	-1	-99	-0.5	243	-1	13	-0.5	-1	-99	-99	-0.1	-99	-99	-99	-99
317	GS-08-215	7740148	1.37	0.24	0.044	1.13	3.77	5.17	0.387	0.060	0.58	98.33	-0.1	-99	5	-2	1613	2.8	-0.5	0.8	-99	-0.2	151.7	5	2	0.7	5	7.5	4.4	1.54	-99	2.4	25	8.5
318	GS-08-216	7741359	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.08	7.29	4	-5	208	6.6	0.28	-1	0.54	0.1	193	0.8	37	0.93	10	15.8	11.8	0.85	-99	1.58	31.5	12
319	GS-08-217	7740149	10.35	6.76	0.203	8.22	3.38	1.37	1.478	0.731	0.84	98.20	-0.1	-99	-2	-2	1114	-0.1	-0.5	-0.5	-99	-0.2	36.7	52	118	-0.5	126	4.2	2.5	2.06	-99	10.3	20	5.3
320	GS-08-218	7741361	-99	0.31	0.07	2.58	9.93	0.08	0.523	0.12	1.03	98.42	3.5	-99	7	-5	643	7	-2	-1	-99	-0.5	-99	10	57	-0.5	2	-99	-99	3.4	-99	-99	-99	-99
321	GS-08-219	7741362	-99	0.08	0.03	0.56	7.37	0.20	0.216	0.05	0.32	97.17	0.6	-99	21	-5	198	14	-2	-1	-99	-0.5	-99	-1	14	-0.5	2	-99	-99	1.6	-99	-99	-99	-99
322	GS-08-220	7741363	-99	0.06	0.03	0.79	4.64	3.43	0.223	0.03	0.49	97.77	-0.5	-99	23	-5	992	3	-2	-1	-99	-0.5	203	-1	-1	1.3	3	-99	-99	2.1	-99	-99	-99	-99
323	GS-08-221	7741364	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2	6.71	8.8	-2	-99	6	-2	0.9	6.97	0.8	-99	26	73	-0.5	87	-99	-99	4.5	-99	6.01	-99	-99
324	GS-08-222	7741365	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.9	7.35	15.6	-2	-99	6	-2	1.2	4.75	0.3	-99	22	126	-0.5	27	-99	-99	-0.2	-99	5.56	-99	-99
325	GS-08-224	7740151	6.02	17.23	0.170	7.34	2.09	1.67	0.447	0.205	2.14	98.39	-0.1	-99	-2	-99	434	0.8	-0.5	-99	-99	0.2	35.0	52	1811	6.1	4	2.3	1.2	1.05	-99	-99	11	3.2
326	GS-08-225	7740152	7.77	4.25	0.180	6.65	3.74	2.18	1.651	0.349	0.87	98.36	-0.1	-99	6	5	824	0.9	-0.5	0.7	-99	0.2	71.6	37	74	2.1	62	7.6	4.6	2.20	-99	7.8	22	7.8
327	GS-08-226	7740153	3.18	2.17	0.108	3.76	7.90	1.15	1.215	0.183	1.94	99.21	-0.1	-99	12	-99	368	2.7	-0.5	-99	-99	0.3	60.2	21	35	1.6	-1	3.6	2.0	1.85	-99	-99	23	4.3
328	GS-08-228	7741366	-99	5.25	0.16	12.89	4.04	0.59	1.573	0.30	1.72	98.69	0.6	-99	28	-5	580	4	-2	6	-99	-0.5	-99	39	49	1.9	37	-99	-99	-0.1	-99	-99	-99	-99
329	GS-08-229	7740154	2.35	0.91	0.079	2.53	4.06	4.67	0.834	0.230	0.43	98.09	-0.1	-99	6	-99	1556	1.9	-0.5	-99	-99	-0.2	104.1	11	3	0.8	21	6.6	4.0	1.82	-99	-99	22	7.4
330	GS-08-231	7741367	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	-2	-5	10000	-99	-99	-1	-1	-99	-99	26	67	-2	-99	-99	-99	-0.1	-99	6.59	-99	-99
331	GS-08-233	7740155	3.36	2.26	0.149	5.04	8.23	0.36	1.111	0.305	2.06	99.39	-0.1	-99	9	4	1150	1.3	-0.5	-0.5	-99	-0.2	96.3	25	19	-0.5	25	6.3	3.4	3.52	-99	6.2	23	7.4
332	GS-08-234	7740156	6.90	7.99	0.176	9.72	3.62	1.57	1.148	0.179	1.44	99.15	-0.1	-99	5	-99	1169	-0.1	-0.5	-99	-99	-0.2	20.8	48	153	3.9	79	3.4	2.1	1.25	-99	-99	15	3.5
333	GS-08-235	7740157	3.44	2.09	0.137	4.91	8.18	0.38	1.131	0.312	1.63	100.52	0.2	-99	8	15	862	2.4	-0.5	-0.5	-99	0.7	99.5	25	19	-0.5	281	6.4	3.4	2.95	-99	6.5	24	7.7
334	GS-08-237	7741368	-99	0.87	0.02	2.31	3.92	5.21	0.777	0.24	0.55	100.80	-0.5	-99	27	-5	982	3	-2	-1	-99	-0.5	126	9	14	2.3	22	-99	-99	2.0	-99	-99	-99	-99
335	GS-08-238	7741369	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	5	-5	513	-99	-99	-1	-1	-99	62	34	107	-2	-99	-99	-99	1.6	-99	6.12	-99	-99
336	GS-08-239	7741371	-99	2.05	0.03	5.45	8.14	0.27	1.064	0.36	0.70	100.70	-0.5	-99	14	-5	716	2	-2	-1	-99	-0.5	82	19	10	2.2	106	-99	-99	2.9	-99	-99	-99	-99
337	GS-08-240	7741372	-99	2.08	0.03	5.46	8.38	0.26	1.119	0.40	2.09	100.60	1.5	-99	11	-5	836	5	-2	-1	-99	-0.5	-99	19	38	-0.5	32	-99	-99	-0.1	-99	-99	-99	-99
338	GS-08-241	7741373	-99	2.29	0.03	5.77	8.29	0.15	1.051	0.37	2.41	100.60	-0.5	-99	10	-5	1810	8	-2	-1	-99	-0.5	93	17	-1	-0.5	7	-99	-99	3.1	-99	-99	-99	-99
339	GS-08-242	7741374	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	14	-5	1040	-99	-99	-1	-1	-99	89	12	13	-2	-99	-99	-99	3.2	-99	5.91	-99	-99
340	GS-08-244	7741375	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	9	-5	729	-99	-99	-1	12	-99	86	35	-10	5	-99	-99	-99	2.0	-99	7.71	-99	-99
341	GS-08-245	7741376	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	28	-5	1200	-99	-99	-1	16	-99	-99	38	165	-2	-99	-99	-99	-0.1	-99	7.41	-99	-99
342	GS-08-246	7741377	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	17	11	300	-99	-99	-1	15	-99	-99	24	180	-2	-99	-99	-99	-0.1	-99	4.34	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
343	GS-08-247	7740198	0.65	0.15	0.047	0.53	3.89	3.48	0.104	0.012	0.29	98.62	-0.1	-99	3	-2	162	3.1	-99	-0.5	-99	1.4	90	2	1	0.8	3	4.4	-99	-1	-99	1.2	-99	-99
344	GS-08-249	7741378	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.2	7.26	52.4	38	660	4	-2	-0.5	1.58	0.8	102	20	17	-0.5	3550	-99	-99	1.6	-99	7.04	-99	-99
345	GS-08-250	7741379	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	14	-5	1160	-99	-99	-1	7	-99	107	31	12	8	-99	-99	-99	4.5	-99	8.84	-99	-99
346	GS-08-251	7741381	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	5	-5	648	-99	-99	-1	-1	-99	69	-5	-10	-2	-99	-99	-99	-0.1	-99	1.97	-99	-99
347	GS-08-252A	7741382	-99	0.44	0.12	4.71	5.80	0.16	0.185	0.02	2.92	100.20	-0.5	-99	-2	-5	84	24	-2	-1	-99	1.1	-99	4	12	-0.5	8	-99	-99	-0.1	-99	-99	-99	-99
348	GS-08-252B	7740259	0.88	0.36	0.070	1.29	10.58	0.19	0.219	0.005	1.11	-99	-0.1	-99	4	-2	154	11.5	-99	-0.5	-99	1.9	40	3	5	0.9	39	2.2	-99	-1	-99	1.2	-99	-99
349	GS-08-253	7740199	1.05	0.11	0.023	0.33	3.37	4.85	0.200	0.008	0.38	98.74	-0.1	-99	3	-2	256	4.4	-99	1.0	-99	-0.2	179	2	1	-0.5	11	10.6	-99	-1	-99	1.8	-99	-99
350	GS-08-254	7741383	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.3	7.25	4	11	682	3.3	0.29	-1	4.93	0.2	95	26.4	29.7	3.35	69.5	8.8	5.3	2.82	-99	10.84	21	8.5
351	GS-08-255	7741384	-99	0.37	0.02	2.91	10.01	0.14	0.529	0.04	1.80	99.54	2.1	-99	6	-5	134	3	-2	-1	-99	2.3	-99	8	20	-0.5	4	-99	-99	2.2	-99	-99	-99	-99
352	GS-08-256	7740201	0.44	0.17	0.018	0.15	5.10	0.16	0.069	0.019	0.38	98.53	-0.1	-99	-2	-99	32	1.5	-99	-99	-99	-0.2	28	1	3	-99	4	1.2	-99	-99	-99	-99	-99	-99
353	GS-08-257	7741385	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	3	-5	797	-99	-99	-1	-1	-99	47	-5	-10	-2	-99	-99	-99	-0.1	-99	0.93	-99	-99
354	GS-08-259	7741386	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	3	8	325	-99	-99	-1	-1	-99	34	-5	18	-2	-99	-99	-99	-0.1	-99	2.02	-99	-99
355	GS-08-260	7741387	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.10	8.36	43.9	-99	248	2.0	0.33	-99	4.08	0.4	42.7	28	85	1.65	290	4.8	3.3	1.44	-99	10.50	26.7	6
356	GS-08-262	7741388	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.32	6.57	65.1	-99	13	1.9	0.75	-99	9.63	0.5	65.9	31.5	48.3	0.51	381	9.9	6.6	2.99	-99	8.68	21.1	10.7
357	GS-08-263	7740202	11.94	5.20	0.248	8.31	2.93	0.31	1.298	0.101	0.44	98.94	-0.1	-99	3	-99	73	-0.1	-0.5	-99	-99	0.7	9.8	51	2	-0.5	181	4.7	2.9	1.08	-99	-99	17	4.1
358	GS-08-264	7741389	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	0.15	6.0	36	-50	1	-2	-0.5	0.18	0.5	5	1	31	2	15	-99	-99	-0.2	-99	14.52	-99	-99
359	GS-08-265	7741391	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	832	-5	962	-99	-99	-1	7	-99	29	87	165	-2	-99	-99	-99	-0.1	-99	9.93	-99	-99
360	GS-08-266	7741392	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.7	6.04	64.0	43	696	2	-2	-0.5	2.85	-0.3	106	11	25	4	89	-99	-99	1.6	-99	9.35	-99	-99
361	GS-08-267	7741393	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.1	3.81	614	35	528	1	-2	-0.5	5.60	-0.3	98	48	101	2	187	-99	-99	1.7	-99	9.88	-99	-99
362	GS-08-268	7741394	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.2	8.10	133	52	211	2.2	0.25	-0.5	2.23	-0.1	82	16.3	137	1.94	215	2.1	1.4	0.44	-99	4.82	28.9	2
363	GS-08-269	7741395	-99	1.90	0.02	7.45	5.96	1.96	0.311	0.12	2.90	100.60	-0.5	-99	7	-5	514	1	-2	-1	-99	-0.5	-99	4	14	2.0	2	-99	-99	0.7	-99	-99	-99	-99
364	GS-08-270	7741396	-99	1.77	0.02	5.94	6.01	2.02	0.314	0.12	2.08	99.68	1.5	-99	29	-5	619	2	-2	-1	-99	-0.5	-99	7	44	-0.5	1	-99	-99	-0.1	-99	-99	-99	-99
365	GS-08-271	7741397	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.14	6.23	366	-99	208	2.2	0.59	-99	2.51	0.1	22.1	40.2	81.2	0.79	191	4.7	3.1	1.12	-99	5.45	21.4	4.5
366	GS-08-272	7741398	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	9	-5	689	-99	-99	-1	-1	-99	13	-5	64	4	-99	-99	-99	-0.1	-99	4.65	-99	-99
367	GS-08-273	7741399	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	10.2	7.37	379	-99	261	2.9	3.46	-99	4.62	0.2	36.9	22.6	82.3	0.76	582	6.9	4.7	2.7	-99	7.77	28.5	7.3
368	GS-08-274	7741401	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	14.2	6.51	43	-5	102	1.7	0.79	-1	0.36	17.3	140	1.2	20	0.55	31.2	10.9	7.0	2.52	-99	2.64	20.3	9.5
369	GS-08-275	7741402	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	5.3	5.91	32.6	48	1920	4	-2	-0.5	1.29	32.5	221	-1	24	-0.5	15	-99	-99	-0.2	-99	2.96	-99	-99
370	GS-08-276	7741403	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.35	6.25	48.2	59	159	2.3	0.05	-0.5	1.78	24.5	172	6.8	21.3	0.48	18.8	13.1	8.3	2.41	-99	2.77	29.5	10.6
371	GS-08-277	7741404	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.7	5.66	39.4	26	2600	3	-2	-0.5	0.53	14.5	203	10	13	-0.5	15	-99	-99	3.8	-99	4.37	-99	-99
372	GS-08-278	7741405	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.3	5.67	39.1	31	1240	2	-2	-0.5	0.82	16.1	152	4	-2	-0.5	23	-99	-99	3.9	-99	3.79	-99	-99
373	GS-08-281	7741406	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	49	-5	1110	-99	-99	-1	-1	-99	-99	-5	-10	-2	-99	-99	-99	5.5	-99	5.53	-99	-99
374	GS-08-282	7740203	0.41	0.10	0.082	0.98	7.77	0.08	0.221	0.036	0.62	98.11	-0.1	-99	7	-2	569	7.8	-99	-0.5	-99	-0.2	211	2	2	-0.5	1	19.1	-99	2	-99	2.5	-99	-99
375	GS-08-283	7741407	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	23	-5	2470	-99	-99	-1	-1	-99	150	-5	15	-2	-99	-99	-99	3.6	-99	3.58	-99	-99
376	GS-08-284	7741408	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.33	8.03	111	-5	143	3.6	0.04	-1	2.34	-0.1	101	1.4	15.2	-0.05	17.9	11.9	7.2	3.09	-99	5.71	26.6	11.5
377	GS-08-285	7741409	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	118	-5	-100	-99	-99	-1	-1	-99	18	-5	-10	-2	-99	-99	-99	1.2	-99	4.56	-99	-99
378	GS-08-286	7741411	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	-2	9	-100	-99	-99	-1	5	-99	29	42	-10	-2	-99	-99	-99	2.2	-99	10.63	-99	-99
379	GS-08-288	7740204	0.52	0.14	0.031	0.32	4.14	4.66	0.216	0.024	0.13	99.05	-0.1	-99	4	-2	358	3.7	-99	0.9	-99	-0.2	158	2	2	-0.5	3	8.5	-99	-1	-99	1.4	-99	-99
380	GS-08-289	7741412	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	29	-5	468	-99	-99	-1	-1	-99	10	-5	-10	-2	-99	-99	-99	-0.1	-99	5.49	-99	-99
381	GS-08-290	7741413	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.7	0.63	13.7	33	-50	1	-2	-0.5	0.52	43.7	8	78	29	-0.5	929	-99	-99	-0.2	-99	21.12	-99	-99
382	GS-08-291	7741414	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.2	3.69	33.5	34	2340	4	-2	-0.5	7.99	1.8	87	9	38	1	134	-99	-99	-0.2	-99	17.28	-99	-99
383	GS-08-292	7741415	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.06	3.55	19.7	-2	93	1.5	3.11	0.9	1.50	-0.1	-3	5.9	6	2.4	347	19.7	15.4	0.86	-99	5.18	20.5	10.3
384	GS-08-293	7741416	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.19	6.12	7.0	-99	123	1.3	0.79	-99	1.21	1.2	139	2.4	13.2	0.51	114	14.1	11.4	0.95	-99	2.06	26.8	14.3
385	GS-08-294	7741417	-99	0.76	0.01	2.19	6.67	0.24	0.202	0.06	2.68	100.40	-0.5	-99	3	-5	1500	1	-2	-1	-99	-0.5	54	5	23	-0.5	1	-99	-99	0.9	-99	-99	-99	-99
386	GS-08-296	7741418	-99	6.48	0.06	9.12	0.79	3.94	2.890	0.41	8.15	99.74	8.8	-99	7	58	330	6	-2	-1	-99	0.9	43	46	170	2.7	1800	-99	-99	1.9	-99	-99	-99	-99
387	GS-08-297	7741419	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	-2	-5	11300	-99	-99	-1	12	-99	-99	44	156	4	-99	-99	-99	3.8	-99	8.87	-99	-99
388	GS-08-301	7741421	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.8	4.79	8.5	35	273	1	-2	-0.5	6.37	0.6	12	36	166	-0.5	305	-99	-99	0.9	-99	6.13	-99	-99
389	GS-08-302	7740205	11.87	6.06	0.237	8.35	2.19	0.65	3.440	0.697	3.19	99.19	-0.1	-99	2	-2	255	0.4	-99	-0.5	-99	0.5	58	66	88	-0.5	19	9.0	-99	2	-99	11.9	-99	-99
390	GS-08-303	7741422	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.88	3.21	10.9	-99	44	1.1	0.60	-99	0.44	0.3	38.2	17.6	104	0.1	350	4	2.8	2.38	-99	11.10	9.9	5.2
391	GS-08-304	7740206	12.37	5.11	0.205	5.99	2.34	0.52	4.311	0.993	6.76	100.01	-0.1	-99	3	-2	273	1.1	-99	-0.5	-99	0.5	93	49	37	-0.5	25	11.9	-99	4	-99	13.1	-99	-99
392	GS-08-305	7740207	7.64	7.00	0.172	7.53	2.97	1.55	0.983	0.187	3.39	98.38	-0.1	-99	3	-2	598	0.2	-99	-0.5	-99	-0.2	20	49	40	1.8	132	4.2	-99	2	-99	8.3	-99	-99
393	GS-08-322	7740208	11.05	6.24	0.264	9.60	2.28	0.68	1.309	0.101	1.19	98.90	-0.1	-99	-2	-99	168	0.3	-99	-99	-99	0.6	8	43	97	-99	33	6.3	-99	-99	-99	-99	-99	-99
394	GS-09-004	7741423	-99	5.37	0.08	1.71	7.31	0.12	0.501	0.08	4.63	100.80	0.8	-99	-2	-5	439	2	-2	-1	-99	-0.5	74	15	63	-0.5	14	-99	-99	2.2	-99	-99	-99	-99
395	GS-09-008	7741424	-99	2.66	0.10	5.92	7.65	0.21	0.455	0.13	6.40	100.10	1	-99	-2	-5	101	1	-2	-1	-99	-0.5	-3	6	22	-0.5	53	-99	-99	1.5	-99	-99	-99	-99
396	GS-09-009	7740261	-99	0.74	0.023	2.46	7.97	0.29	0.198	0.053	2.57	100.32	-0.1	-99	3	-2	199	1.1	-99	1.2	-99	-0.2	34	2	1	-0.5	26	1.1	-99	1	-99	0.6	-99	-99
397	GS-09-010	7740262	1.78	1.69	0.021	0.71	7.15	0.71	0.477	0.117	1.66	100.36	-0.1	-99	2	-2	345	1.2	-99	-0.5	-99	-0.2	37	7	2	-0.5	7	0.5	-99	1	-99	1.4	-99	-99
398	GS-09-011	7740263	8.31	8.67	0.231	12.10	2.87	0.04	0.664	0.041	13.99	100.90	-0.1	-99	3	-2	19	0.8	-99	-0.5	-99	0.5	12	42	140	-0.5	5	2.6	-99	-1	-99	7.5	-99	-99
399	GS-09-013	7740307	0.85	1.81	0.047	6.52	9.13	0.18	0.159	0.046	6.41	99.52	-0.1	-99	4	-99	97	1.0	-99	-99	-99	-0.2	22	4	1	-99	10	-0.1	-99	-99	-99	-99	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
400	GS-09-014	7740308	0.69	1.46	0.020	1.97	7.30	0.39	0.178	0.058	2.59	99.64	-0.1	-99	3	-99	247	1.1	-99	-99	-99	-0.2	29	3	1	-99	5	0.3	-99	-99	-99	-99	-99	-99
401	GS-09-015	7740229	8.97	8.34	0.211	7.66	3.53	1.01	0.774	0.051	2.29	99.78	-0.1	-99	3	-99	287	0.2	-99	-99	-99	0.5	14	50	204	-99	33	3.6	-99	-99	-99	-99	-99	-99
402	GS-09-017	7741425	-99	0.91	0.03	2.65	7.28	0.39	0.173	0.10	4.06	99.98	-0.5	-99	-2	-5	281	1	-2	-1	-99	-0.5	31	-1	23	-0.5	8	-99	-99	-0.1	-99	-99	-99	-99
403	GS-09-018	7741426	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.50	8.02	0.7	-99	202	1.3	0.19	-99	4.05	0.2	17.7	5	18.6	0.1	248	1	0.5	0.61	-99	1.34	18.7	1.5
404	GS-09-019	7740231	8.85	6.96	0.212	5.08	2.99	1.21	4.158	1.208	5.26	100.47	-0.1	-99	3	-99	591	1.0	-99	-99	-99	0.3	117	66	58	-99	-1	11.9	-99	-99	-99	-99	-99	-99
405	GS-09-020	7740264	0.51	0.40	0.018	1.23	6.77	0.94	0.079	0.008	1.34	100.59	-0.1	-99	3	-2	516	0.4	-0.5	1.5	-99	-0.2	4.7	2	7	-0.5	2	0.2	0.2	0.22	-99	0.4	9	0.4
406	GS-09-022	7740265	-99	0.43	0.016	1.65	6.13	2.57	0.088	0.013	1.61	100.93	-0.1	-99	3	-2	917	0.8	-99	1.1	-99	-0.2	17	2	1	-0.5	3	0.2	-99	-1	-99	0.4	-99	-99
407	GS-09-023	7740266	1.38	1.19	0.035	1.73	5.84	1.68	0.551	0.147	1.16	98.71	-0.1	-99	4	-2	736	0.6	-0.5	0.9	-99	-0.2	98.1	9	1	-0.5	3	1.3	0.5	1.00	-99	1.3	17	2.6
408	GS-09-024	7740267	-99	0.68	0.024	2.23	7.63	0.28	0.154	0.048	2.32	99.39	-0.1	-99	3	-2	232	1.2	-99	1.1	-99	-0.2	32	2	2	-0.5	7	0.8	-99	-1	-99	0.5	-99	-99
409	GS-09-028	7740232	1.27	0.92	0.041	4.05	6.10	1.88	0.280	0.067	3.94	99.66	0.1	-99	3	-99	464	0.6	-99	-99	-99	-0.2	9	5	4	-99	3	0.7	-99	-99	-99	-99	-99	-99
410	GS-09-034	7741427	-99	1.17	0.10	6.92	8.92	0.25	0.248	0.09	6.73	99.42	0.9	-99	-2	-5	243	1	-2	-1	-99	-0.5	-3	6	25	-0.5	22	-99	-99	-0.1	-99	-99	-99	-99
411	GS-09-035	7740268	1.64	1.72	0.035	1.61	5.90	1.99	0.464	0.118	2.58	99.23	-0.1	-99	3	-2	414	1.3	-99	1.6	-99	-0.2	48	10	9	0.8	-1	0.7	-99	-1	-99	2.2	-99	-99
412	GS-09-036	7740269	0.82	0.59	0.015	0.97	6.56	1.07	0.104	0.030	1.39	99.66	-0.1	-99	3	-2	493	0.7	-99	1.2	-99	-0.2	19	2	2	-0.5	2	0.2	-99	-1	-99	0.8	-99	-99
413	GS-09-037	7740233	0.48	0.16	0.009	1.01	6.15	2.54	0.031	0.013	1.18	100.12	-0.1	-99	3	-99	934	0.6	-99	-99	-99	-0.2	8	-1	-1	-99	1	0.4	-99	-99	-99	-99	-99	-99
414	GS-09-038	7741428	-99	1.26	0.05	2.67	7.52	0.20	0.134	0.05	3.18	100.90	0.6	-99	-2	-5	267	1	-2	-1	-99	-0.5	-3	5	20	-0.5	12	-99	-99	-0.1	-99	-99	-99	-99
415	GS-09-041	7740271	1.16	0.96	0.026	1.51	6.68	0.98	0.358	0.115	2.16	99.57	-0.1	-99	-2	-2	610	0.4	-99	0.6	-99	-0.2	73	4	4	-0.5	5	0.5	-99	-1	-99	1.2	-99	-99
416	GS-09-042	7741429	-99	0.75	0.04	1.93	8.07	0.24	0.217	0.07	2.55	99.03	0.9	-99	3	-5	497	1	-2	-1	-99	-0.5	74	-1	25	-0.5	13	-99	-99	0.9	-99	-99	-99	-99
417	GS-09-048	7741431	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.35	6.20	0.8	-99	313	1.1	0.43	-99	2.00	16.9	29.6	2.5	19.2	0.16	122	0.6	0.3	0.44	-99	1.08	15.4	1.2
418	GS-09-054	7741432	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.23	8.94	-0.1	-99	110	1.3	0.42	-99	0.87	-0.1	29.4	16.8	19.2	0.48	115	2.3	1.1	1.19	-99	3.64	19.1	3.2
419	GS-09-055	7741433	-99	3.07	0.07	1.74	7.28	0.41	0.653	0.23	3.46	98.58	2.7	-99	-2	-5	432	2	-2	-1	-99	-0.5	207	15	66	-0.5	97	-99	-99	-0.1	-99	-99	-99	-99
420	GS-09-056	7740234	2.07	2.54	0.079	3.78	7.82	0.42	0.707	0.247	4.30	100.40	-0.1	-99	4	-99	297	1.4	-99	-99	-99	-0.2	70	14	14	-99	166	0.9	-99	-99	-99	-99	-99	-99
421	GS-09-057	7741434	-99	2.70	0.04	0.94	5.66	0.09	0.171	0.09	2.54	100.90	-0.5	-99	-2	-5	58	-1	-2	-1	-99	0.6	225	8	16	-0.5	11	-99	-99	2.4	-99	-99	-99	-99
422	GS-09-058	7741435	-99	1.99	0.03	0.46	6.58	0.23	0.401	0.15	2.52	100.50	7.5	-99	-2	-5	214	1	-2	-1	-99	0.8	-3	5	18	-0.5	964	-99	-99	1	-99	-99	-99	-99
423	GS-09-059	7741436	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	8.95	4.80	39.0	-99	45	0.8	0.95	-99	0.20	4.3	36.5	40	51.3	0.14	3000	2	0.8	1.06	-99	5.01	15.3	1.9
424	GS-09-060	7741437	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	14.1	7.29	67.1	-99	64	0.8	0.89	-99	0.13	0.2	45.7	35.9	122	0.18	1630	3.5	1.6	2.08	-99	9.02	25.2	3.6
425	GS-09-061	7741438	-99	4.22	0.05	0.22	3.90	0.39	0.917	0.12	7.56	95.91	23.9	-99	39	162	643	2	-2	-1	-99	1.8	160	61	153	-0.5	22500	-99	-99	4	-99	-99	-99	-99
426	GS-09-062	7741439	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.90	7.11	83.6	-99	109	3.9	0.08	-99	2.34	0.2	151	114	700	4.88	337	17.2	9.1	8.23	-99	4.09	43.5	23.3
427	GS-09-063	7741441	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	14	-5	200	-99	-99	-1	-1	-99	24	-5	30	-2	-99	-99	-99	0.6	-99	2.07	-99	-99
428	GS-09-064	7740235	2.18	2.91	0.075	2.05	5.76	1.13	0.629	0.234	1.89	98.81	-0.1	-99	3	-99	297	0.8	-99	-99	-99	-0.2	64	11	9	-99	-1	1.0	-99	-99	-99	-99	-99	-99
429	GS-09-066	7740236	3.64	8.52	0.180	4.18	3.23	1.69	1.474	0.123	2.41	98.24	-0.1	-99	4	-99	571	0.9	-99	-99	-99	-0.2	105	18	14	-99	-1	2.1	-99	-99	-99	-99	-99	-99
430	GS-09-067	7740237	10.13	8.10	0.182	4.12	3.04	1.62	1.423	0.122	5.00	98.28	-0.1	-99	3	-99	539	14.1	-99	-99	-99	0.3	19	59	244	-99	51	5.2	-99	-99	-99	-99	-99	-99
431	GS-09-068	7740238	9.10	7.98	0.154	3.28	3.86	0.96	1.338	0.107	6.01	99.17	-0.1	-99	3	-99	293	1.0	-99	-99	-99	0.3	20	51	201	-99	62	5.0	-99	-99	-99	-99	-99	-99
432	GS-09-069	7740272	1.40	1.17	0.024	2.20	6.56	0.16	0.400	1.174	1.48	99.95	-0.1	-99	4	-2	78	0.7	-99	1.8	-99	-0.2	41	8	3	-0.5	1	4.3	-99	1	-99	4.2	-99	-99
433	GS-09-070	7741442	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.10	4.72	40.3	-99	153	2.6	0.27	-99	13.60	-0.1	38.5	24	79.8	0.05	307	110	103	8.06	-99	2.48	14.3	49.4
434	GS-09-071	7741443	-99	1.96	0.07	8.09	6.69	0.04	0.922	2.59	4.53	98.79	3.2	-99	6	-5	201	3	-2	-1	-99	-0.5	114	12	79	-0.5	55	-99	-99	5.6	-99	-99	-99	-99
435	GS-09-072	7741444	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	-2	65	-100	-99	-99	-1	17	-99	8	9	-10	-2	-99	-99	-99	-0.1	-99	0.68	-99	-99
436	GS-09-073	7740239	3.58	3.14	0.073	2.25	5.35	1.11	0.662	0.279	2.68	99.09	-0.1	-99	4	-99	273	0.7	-99	-99	-99	-0.2	75	18	13	-99	-1	2.6	-99	-99	-99	-99	-99	-99
437	GS-09-075	7740273	-99	0.19	0.005	0.57	11.15	0.25	0.045	0.008	0.88	100.49	-0.1	-99	3	-2	49	1.1	-99	1.1	-99	-0.2	2	-1	-1	-0.5	9	1.5	-99	-1	-99	0.1	-99	-99
438	GS-09-077	7740274	8.42	7.24	0.179	8.82	3.31	0.55	1.715	0.451	2.16	99.24	-0.1	-99	7	-2	274	-0.1	-99	-0.5	-99	0.4	35	47	107	-0.5	6	4.7	-99	2	-99	9.0	-99	-99
439	GS-09-079	7740275	1.77	0.96	0.017	0.45	4.82	4.78	0.299	0.089	0.87	98.08	-0.1	-99	3	-2	3247	1.2	-99	-0.5	-99	-0.2	20	6	11	-0.5	4	1.1	-99	-1	-99	2.0	-99	-99
440	GS-09-080	7740241	8.83	6.47	0.200	8.96	4.07	1.10	2.217	0.584	2.31	100.82	-0.1	-99	4	-99	826	6.9	-99	-99	-99	0.2	43	45	105	-99	-1	6.3	-99	-99	-99	-99	-99	-99
441	GS-09-084	7740242	9.42	6.43	0.308	8.87	3.21	1.06	2.362	0.636	0.89	99.59	-0.1	-99	4	-99	844	-0.1	-99	-99	-99	0.3	46	58	111	-99	7	7.2	-99	-99	-99	-99	-99	-99
442	GS-09-087	7740276	0.58	1.02	0.054	2.07	8.87	0.05	0.378	0.112	1.29	98.81	0.1	-99	4	-2	467	1.7	-99	-0.5	-99	-0.2	49	8	11	-0.5	-1	1.3	-99	-1	-99	1.9	-99	-99
443	GS-09-088	7740277	3.69	2.40	0.058	1.82	6.26	1.63	0.686	0.194	0.74	99.83	-0.1	-99	4	-2	919	1.6	-99	-0.5	-99	-0.2	84	16	31	0.7	15	2.4	-99	-1	-99	4.3	-99	-99
444	GS-09-089	7741445	-99	2.08	0.15	7.90	7.88	0.80	0.802	0.21	6.51	100.70	1.3	-99	-2	-5	395	3	-2	-1	-99	-0.5	151	13	74	-0.5	55	-99	-99	1.3	-99	-99	-99	-99
445	GS-09-090	7740278	3.97	2.63	0.075	1.76	6.57	1.89	0.652	0.169	0.95	98.98	-0.1	-99	4	-2	840	1.8	-99	-0.5	-99	-0.2	69	16	52	-0.5	10	2.2	-99	-1	-99	4.5	-99	-99
446	GS-09-091	7740243	1.91	1.53	0.067	2.82	9.20	0.24	0.462	0.128	1.72	98.27	0.1	-99	5	-99	1022	11.4	-99	-99	-99	-0.2	51	10	10	-99	19	1.8	-99	-99	-99	-99	-99	-99
447	GS-09-092	7740244	5.31	6.02	0.147	8.18	3.46	1.81	0.707	0.208	1.71	98.32	-0.1	-99	5	-99	892	1.3	-99	-99	-99	-0.2	55	34	93	-99	73	3.7	-99	-99	-99	-99	-99	-99
448	GS-09-094	7740245	3.79	2.68	0.171	3.62	7.14	1.69	0.712	0.182	2.71	99.59	-0.1	-99	4	-99	774	1.3	-99	-99	-99	-0.2	67	19	47	-99	19	2.9	-99	-99	-99	-99	-99	-99
449	GS-09-095	7740246	0.56	0.72	0.066	1.72	8.48	0.13	0.676	0.154	1.31	99.15	-0.1	-99	7	-99	1022	2.5	-99	-99	-99	-0.2	80	7	15	-99	-1	2.6	-99	-99	-99	-99	-99	-99
450	GS-09-098	7740279	0.30	0.63	0.047	0.37	1.67	7.78	0.101	0.022	0.59	99.01	-0.1	-99	6	-2	131	1.7	-99	-0.5	-99	-0.2	143	1	-1	-0.5	2	6.0	-99	-1	-99	1.2	-99	-99
451	GS-09-099	7740281	1.46	3.59	0.206	7.78	7.55	0.84	0.812	0.209	7.33	99.61	0.5	-99	6	-2	624	6.6	-99	-0.5	-99	-0.2	57	23	163	2.4	5	5.1	-99	-1	-99	4.8	-99	-99
452	GS-09-100	7740282	0.33	0.24	0.023	0.55	7.71	0.04	0.209	0.035	0.68	100.19	-0.1	-99	7	-2	794	6.9	-99	-0.5	-99	-0.2	290	3	1	-0.5	1	11.5	-99	-1	-99	1.3	-99	-99
453	GS-09-101	7740247	0.55	0.42	0.048	0.72	7.15	0.06	0.467	0.082	0.60	99.51	-0.1	-99	6	-99	1617	7.4	-99	-99	-99	-0.2	214	5	-1	-99	-1	9.8	-99	-99	-99	-99	-99	-99
454	GS-09-102	7741446	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.79	8.58	4.4	-99	109	1.7	0.55	-99	5.36	0.1	37.6	14.9	18.6	0.1	891	2.5	1.2	1.16	-99	3.59	24.5	3.6
455	GS-09-103	7741447	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.61	6.65	29.6	-99	71	2.1	0.05	-99	5.26	0.4	17.7	24.9	39.3	0.45	128	5.8	3.5	1.28	-99	7.69	17.9	4.5
456	GS-09-104	7741448	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.32	0.58	11.0	-99	13	1.2	0.10	-99	7.50	0.2	22.7	8.8	40.3	0.15	88	2.6	1.5	0.62	-99	12.70	2.1	2.5

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
457	GS-09-105	7741449	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.14	7.30	15.5	-99	20	3.2	0.06	-99	2.77	0.2	17.3	63	68.5	3.12	228	7	4.2	2.22	-99	19.10	18.4	6.1
458	GS-09-106	7741451	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.09	6.51	13.0	-99	36	2.0	-0.02	-99	3.98	0.1	17.4	46.3	57	1.79	161	5.1	2.8	1.86	-99	11.90	15.1	4.7
459	GS-09-107	7741452	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.31	7.13	12.0	-99	43	1.4	-0.02	-99	8.36	0.2	6.3	34.5	91.7	0.87	121	3.8	2.6	1	-99	5.99	14.3	2.6
460	GS-09-108	7741453	-99	4.50	0.12	10.74	4.60	0.05	1.374	0.65	10.28	99.53	5.2	-99	14	-5	193	3	-2	-1	-99	-0.5	212	18	98	-0.5	34	-99	-99	2.5	-99	-99	-99	-99
461	GS-09-109	7741454	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.14	6.49	1.1	-99	285	2.4	0.37	-99	5.70	0.4	74.6	8.8	27.4	1.43	19.5	6.1	3.6	1.23	-99	2.82	17	6
462	GS-09-111	7740283	7.91	5.46	0.140	8.60	5.21	0.20	0.617	0.049	14.10	98.64	-0.1	-99	4	7	34	0.8	-99	-0.5	-99	0.4	10	34	147	-0.5	518	2.0	-99	-1	-99	6.7	-99	-99
463	GS-09-112	7740284	9.52	1.24	0.077	0.74	0.10	0.62	0.308	0.056	9.48	98.36	0.7	-99	16	12	48	0.8	-99	1.1	-99	1.3	33	16	99	-0.5	277	2.6	-99	-1	-99	13.8	-99	-99
464	GS-09-113	7741455	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	3	-5	-100	-99	-99	-1	-1	-99	4	-5	30	-2	-99	-99	-99	0.3	-99	0.43	-99	-99
465	GS-09-114	7740285	18.29	4.53	0.132	1.48	0.65	0.46	2.602	0.281	5.08	97.98	-0.1	-99	18	-2	169	0.5	-99	-0.5	-99	0.7	33	58	21	-0.5	43	5.5	-99	2	-99	15.5	-99	-99
466	GS-09-115	7741456	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	0.56	1.6	6	-50	-1	-2	-0.5	17.40	0.4	11	7	23	-1	54	-99	-99	1.5	-99	3.51	-99	-99
467	GS-09-118	7740248	12.65	4.98	0.211	5.26	2.51	0.56	4.523	1.054	6.12	100.91	-0.1	-99	6	-99	330	0.8	-99	-99	-99	0.4	99	58	35	-99	19	12.5	-99	-99	-99	-99	-99	-99
468	GS-09-120	7741457	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	5.03	4.47	7.8	-99	38	1.2	-0.02	-99	7.80	0.3	5.1	49.4	162	0.16	661	2.5	1.5	0.63	-99	6.05	13	2.1
469	GS-09-121	7741458	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	4	-5	300	-99	-99	-1	-1	-99	71	5	50	-2	-99	-99	-99	0.7	-99	1.76	-99	-99
470	GS-09-122	7741459	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.05	3.94	19.2	-99	643	1.2	0.21	-99	3.60	0.1	39.2	5.7	27.6	1.33	17.2	2.6	1.4	0.54	-99	2.40	5.9	2.8
471	GS-09-123	7741461	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	120	-5	1000	-99	-99	-1	-1	-99	62	7	50	2	-99	-99	-99	-0.1	-99	1.24	-99	-99
472	GS-09-124	7741462	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.10	7.33	-0.1	-99	13	0.7	2.59	-99	7.05	-0.1	9.7	58.6	80.7	0.41	5130	5.5	2.7	1.25	-99	8.06	16.8	5
473	GS-09-125	7741463	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.68	5.17	26.0	-99	443	2.7	0.61	-99	4.00	0.2	52.8	16.8	26.1	2.28	97.3	8.2	4.1	2.1	-99	2.40	11.3	8.2
474	GS-09-126	7741464	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.43	2.62	21.1	-99	239	1.6	0.29	-99	13.10	0.1	29.3	8.1	13.1	1.27	55.6	3.4	1.7	1.11	-99	1.59	5.1	4.3
475	GS-09-127	7740286	0.24	0.20	0.023	0.27	3.27	5.41	0.210	0.014	0.89	99.09	-0.1	-99	9	-2	65	3.6	-99	-0.5	-99	-0.2	159	2	-1	3.6	-1	6.0	-99	-1	-99	0.7	-99	-99
476	GS-09-128	7740249	5.91	19.24	0.206	6.55	0.10	0.96	0.486	0.217	10.50	96.34	-0.1	-99	5	-99	266	1.4	-99	-99	-99	-0.2	34	57	1218	-99	1	2.5	-99	-99	-99	-99	-99	-99
477	GS-09-129	7740251	6.16	7.89	0.196	8.59	0.54	2.65	0.824	0.198	10.92	96.98	-0.1	-99	8	-99	131	1.1	-99	-99	-99	0.4	32	40	280	-99	3	4.0	-99	-99	-99	-99	-99	-99
478	GS-09-130	7741465	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.19	2.28	15.9	-99	39	1.2	0.03	-99	15.60	-0.1	40.6	2	14.2	0.84	4.9	2.2	1.3	0.38	-99	1.30	4.9	2.7
479	GS-09-131	7741466	-99	0.23	0.02	0.24	3.08	5.55	0.218	0.05	1.13	99.98	0.5	-99	6	-5	100	5	-2	-1	-99	-0.5	103	2	22	4.7	26	-99	-99	0.7	-99	-99	-99	-99
480	GS-09-133	7741467	-99	0.60	0.10	3.49	4.11	3.29	0.184	0.02	3.79	99.29	-0.5	-99	7	-5	145	3	-2	-1	-99	-0.5	112	4	28	4.8	19	-99	-99	0.7	-99	-99	-99	-99
481	GS-09-134	7740287	0.20	0.09	0.037	0.71	4.32	4.35	0.201	0.010	1.03	100.36	-0.1	-99	10	-2	40	2.2	-99	-0.5	-99	-0.2	148	1	-1	3.4	-1	4.6	-99	-1	-99	0.6	-99	-99
482	GS-09-135	7741468	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	8.98	7.12	8.4	-99	70	2.7	0.09	-99	0.43	-0.1	153	1	10.3	4.18	17.2	7	4.4	0.34	-99	1.11	19.4	7.5
483	GS-09-137	7740288	9.47	12.49	0.127	3.72	1.81	0.02	0.881	0.064	8.26	99.16	-0.1	-99	11	-2	5	0.3	-99	-0.5	-99	0.5	13	48	216	-0.5	151	3.1	-99	-1	-99	8.0	-99	-99
484	GS-09-142	7741469	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.8	4.76	82.1	12	400	1	-2	-0.5	6.73	-0.3	60	5	12	2	1670	-99	-99	0.7	-99	1.42	-99	-99
485	GS-09-143	7741471	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.56	4.17	127	-99	280	1.5	0.32	-99	6.36	-0.1	47.2	12.8	15.1	1.35	479	4.8	2.6	1.18	-99	1.46	7.5	4.8
486	GS-09-145	7741472	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.67	4.37	44.3	-99	392	1.9	1.07	-99	6.94	0.2	42.0	15.7	65.2	1.88	35.5	4.4	2.4	0.89	-99	1.51	9.5	4.4
487	GS-09-146	7741473	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	14	-5	600	-99	-99	-1	6	-99	65	8	50	3	-99	-99	-99	0.8	-99	1.37	-99	-99
488	GS-09-147	7741474	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	6	-5	700	-99	-99	-1	-1	-99	56	-5	30	2	-99	-99	-99	1	-99	1.58	-99	-99
489	GS-09-148	7740252	9.39	8.05	0.234	10.12	3.17	0.37	0.720	0.042	3.06	98.93	-0.1	-99	16	-99	85	-0.1	-99	-99	-99	0.5	11	48	127	-99	124	3.2	-99	-99	-99	-99	-99	-99
490	GS-09-150	7740289	-99	1.06	0.028	3.05	4.88	1.51	0.318	0.089	3.81	99.82	-0.1	-99	3	-2	521	0.7	-99	0.6	-99	-0.2	21	7	6	0.7	-1	-0.1	-99	-1	-99	1.5	-99	-99
491	GS-09-151	7740291	-99	5.27	0.263	22.41	0.10	1.05	0.107	0.207	23.81	100.47	2.0	-99	55	8	122	0.7	-99	0.8	-99	1.6	16	5	21	-0.5	20	1.5	-99	-1	-99	2.7	-99	-99
492	GS-09-152	7740292	-99	12.78	0.156	21.05	0.11	0.92	0.115	0.049	30.79	98.21	0.3	-99	4	-2	159	0.8	-99	0.5	-99	-0.2	13	4	14	-0.5	5	0.5	-99	-1	-99	1.5	-99	-99
493	GS-09-155	7740293	-99	16.73	0.101	26.96	-0.01	0.68	0.086	0.342	39.42	100.08	-0.1	-99	8	-2	118	0.9	-99	1.2	-99	-0.2	10	3	14	-0.5	5	0.8	-99	-1	-99	0.6	-99	-99
494	GS-09-156	7740294	-99	15.29	0.303	28.95	0.02	0.50	0.059	2.974	36.50	99.00	-0.1	-99	22	-2	100	1.1	-99	1.7	-99	0.2	16	2	19	0.7	5	12.8	-99	2	-99	1.5	-99	-99
495	GS-09-157	7741475	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.19	7.46	34.6	-99	520	1.6	0.09	-99	3.53	0.3	37.5	14.6	55.7	1.97	56.2	2.4	1.4	0.69	-99	4.51	16.1	2.7
496	GS-09-158	7740295	-99	3.83	0.131	7.64	3.26	1.64	0.289	0.123	11.31	98.34	0.1	-99	23	-2	251	0.8	-99	1.2	-99	-0.2	26	12	14	1.3	3	1.1	-99	-1	-99	1.8	-99	-99
497	GS-09-159	7740296	-99	13.51	0.535	28.96	0.01	0.59	0.087	1.126	37.52	99.30	0.6	-99	24	-2	120	0.7	-99	1.1	-99	1.3	20	5	16	-0.5	5	7.1	-99	1	-99	2.2	-99	-99
498	GS-09-161	7741476	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.21	1.05	5.3	-99	95	0.8	-0.02	-99	18.90	0.3	12.8	3.1	21	0.52	5.5	2.8	1.7	0.63	-99	1.80	2.2	2.8
499	GS-09-163	7741477	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2	7.73	86.3	24	620	1	-2	-0.5	4.33	-0.3	41	13	95	3	62	-99	-99	0.8	-99	3.45	-99	-99
500	GS-09-164	7740297	15.26	1.67	0.251	6.34	2.72	0.03	2.496	0.322	6.41	98.82	-0.1	-99	-2	-2	5	0.3	-99	-0.5	-99	0.5	46	41	-1	0.6	7	9.3	-99	2	-99	13.5	-99	-99
501	GS-09-165	7740298	-99	2.44	0.227	5.44	-0.01	-0.01	0.330	0.388	12.04	98.28	1.6	-99	571	64	-1	0.4	-99	1.9	-99	2.1	38	30	127	-0.5	663	3.3	-99	1	-99	18.4	-99	-99
502	GS-09-166	7741478	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2	3.74	32.9	37	-50	1	-2	2.9	5.56	8.8	31	39	232	-1	502	-99	-99	1.2	-99	11.00	-99	-99
503	GS-09-167	7740253	12.27	4.28	0.203	6.13	3.48	0.23	2.763	0.302	5.92	98.69	-0.1	-99	12	-99	106	-0.1	-99	-99	-99	0.5	36	60	23	-99	32	7.4	-99	-99	-99	-99	-99	-99
504	GS-09-169	7741479	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.7	8.19	3.5	-2	770	3	-2	-0.5	2.33	-0.3	84	8	25	-1	1	-99	-99	1.6	-99	3.32	-99	-99
505	GS-09-170	7741481	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	-2	-5	-100	-99	-99	-1	-1	-99	86	-5	40	-2	-99	-99	-99	1.1	-99	1.55	-99	-99
506	GS-09-172	7740254	13.78	4.73	0.268	8.13	2.49	1.11	4.109	1.148	2.09	100.40	-0.1	-99	4	-99	730	0.3	-99	-99	-99	0.4	101	67	26	-99	10	14.0	-99	-99	-99	-99	-99	-99
507	GS-09-173	7741482	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.3	5.17	3.2	-2	410	-1	-2	-0.5	9.13	0.4	11	25	132	-1	190	-99	-99	-0.2	-99	4.09	-99	-99
508	GS-09-174	7741483	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.08	4.20	8.6	-99	202	0.9	-0.02	-99	8.24	0.2	6.2	39.9	119	0.18	2.8	2.5	1.5	0.59	-99	5.76	8.6	2.1
509	GS-09-175	7741484	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	20	-5	500	-99	-99	-1	-1	-99	65	17	160	-2	-99	-99	-99	1.4	-99	4.16	-99	-99
510	GS-09-177	7740299	6.34	5.20	0.235	11.40	4.25	3.44	0.964	0.062	8.10	99.98	-0.1	-99	7	6	113	4.9	-0.5	-0.5	-99	0.6	9.2	48	62	3.6	11	3.8	2.1	1.01	-99	8.8	14	3.2
511	GS-09-182	7741485	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	5	-5	600	-99	-99	-1	-1	-99	78	40	110	3	-99	-99	-99	2	-99	9.77	-99	-99
512	GS-09-184	7741486	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	32	-5	600	-99	-99	-1	-1	-99	50	40	120	5	-99	-99	-99	1.6	-99	10.20	-99	-99
513	GS-09-185	7740255	9.50	8.66	0.255	10.62	2.59	0.33	0.861	0.053	0.65	100.13	-0.1	-99	11	-99	69	0.5	-0.5	-99	-99	0.5	5.1	36	344	0.8	-1	3.0	2.0	0.66	-99	-99	11	2.5

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
514	GS-09-188	7740256	5.00	4.01	0.108	6.61	3.70	2.48	0.579	0.151	2.87	100.65	-0.1	-99	4	-99	530	1.0	-99	-99	-99	-0.2	52	25	7	-99	-1	3.0	-99	-99	-99	-99	-99	-99
515	GS-09-189	7740257	1.21	0.87	0.055	1.40	1.05	6.23	0.191	0.035	0.86	98.72	1.2	-99	4	-99	216	1.2	-0.5	-99	-99	-0.2	121.8	6	8	0.9	33	2.0	1.0	0.63	-99	-99	15	3.0
516	GS-09-191	7741487	-99	2.84	0.65	7.41	3.83	0.53	0.323	0.11	1.77	94.99	85.3	-99	18	85	146	22	-2	-1	-99	38.9	66	36	80	-0.5	23900	-99	-99	1.3	-99	-99	-99	-99
517	GS-09-193	7740301	0.46	1.30	0.058	2.67	7.00	2.97	0.493	0.056	0.38	99.58	-0.1	-99	15	-2	1029	1.8	-99	-0.5	-99	-0.2	112	10	42	0.6	-1	3.4	-99	1	-99	2.0	-99	-99
518	GS-09-194	7740258	1.26	3.17	0.091	4.33	8.64	0.13	0.529	0.174	0.59	100.61	-0.1	-99	18	-99	58	3.0	-99	-99	-99	0.3	92	14	91	-99	2	5.6	-99	-99	-99	-99	-99	-99
519	GS-09-197	7740302	4.93	5.77	0.204	13.62	3.93	1.00	1.079	0.093	1.01	100.06	-0.1	-99	5	-2	107	2.8	-99	0.9	-99	0.7	17	39	176	-0.5	239	2.9	-99	1	-99	7.1	-99	-99
520	GS-09-199	7740303	7.26	6.34	0.187	7.36	4.41	1.65	1.361	0.121	0.79	100.50	0.4	-99	4	64	193	2.3	-99	-0.5	-99	0.5	33	48	167	4.5	267	4.4	-99	2	-99	9.3	-99	-99
521	GS-09-200	7740304	4.80	6.72	0.216	17.23	2.47	0.34	1.058	0.087	1.08	98.52	-0.1	-99	4	-2	81	17.0	-99	1.7	-99	0.6	14	35	142	-0.5	72	3.1	-99	1	-99	7.8	-99	-99
522	GS-09-201	7740305	0.45	0.81	0.032	2.01	1.38	6.12	0.202	0.044	2.03	98.24	0.3	-99	7	-2	773	0.8	-0.5	-0.5	-99	-0.2	140.2	4	10	-0.5	66	2.2	1.4	0.54	-99	1.0	17	3.4
523	GS-09-203	7741488	-99	7.08	0.21	14.16	2.73	1.06	0.990	0.09	8.44	99.25	0.9	-99	4	-5	182	7	-2	-1	-99	1.1	32	45	231	-0.5	132	-99	-99	1.4	-99	-99	-99	-99
524	GS-09-204	7741489	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	15	-5	-100	-99	-99	-1	4	-99	8	42	220	-2	-99	-99	-99	0.5	-99	7.50	-99	-99
525	GS-09-206	7741491	-99	0.14	0.06	0.22	9.64	0.08	0.164	0.04	0.45	99.93	5.8	-99	7	85	496	9	-2	-1	-99	2.2	194	-1	23	-0.5	494	-99	-99	0.8	-99	-99	-99	-99
526	GS-09-207	7741492	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.13	5.65	5.5	-99	90	7.3	0.85	-99	0.20	2.0	153	1.5	14.3	-0.05	293	7.4	5.0	0.49	-99	1.18	20.2	7.5
527	GS-09-208	7741493	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-5	-99	125	-5	300	-99	-99	-1	-1	-99	77	-5	10	-2	-99	-99	-99	-0.1	-99	1.69	-99	-99
528	GS-09-210	7741494	-99	0.10	0.05	0.48	10.62	0.16	0.354	0.04	0.50	99.83	4.4	-99	-2	-5	77	12	-2	-1	-99	0.7	262	-1	32	-0.5	44	-99	-99	2	-99	-99	-99	-99
529	GS-09-211	7741495	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.15	8.92	2.9	-99	105	9.6	0.15	-99	1.79	0.1	54.2	9.1	11.3	0.17	6.6	2.7	1.5	0.58	-99	1.79	26.5	3.1
530	GS-09-213	7741496	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.64	6.07	5.4	-99	46	5.7	0.32	-99	0.33	-0.1	22.4	3.4	11.5	0.08	11.2	1.4	0.9	0.23	-99	1.18	14.8	1.3
531	GS-09-214	7741497	-99	2.83	0.09	3.55	7.92	0.78	0.773	0.10	1.71	99.45	1.2	-99	8	-5	274	7	-2	-1	-99	-0.5	113	23	84	-0.5	88	-99	-99	1.3	-99	-99	-99	-99
532	GS-09-215	7741498	-99	3.40	0.22	8.20	5.50	0.96	1.212	0.21	2.17	99.83	4.2	-99	6	22	819	5	-2	-1	-99	0.7	99	31	33	3.1	4860	-99	-99	2.3	-99	-99	-99	-99
533	GS-09-217	7741499	-99	3.17	0.36	3.59	2.15	1.45	0.375	0.07	2.05	100.80	3.4	-99	4	20	105	5	-2	-1	-99	2.4	82	32	75	4.5	144	-99	-99	1.1	-99	-99	-99	-99
534	GS-09-218	7741501	-99	5.61	0.13	12.22	4.85	0.73	1.612	0.15	2.06	100.40	-0.5	-99	21	-5	140	2	-2	-1	-99	-0.5	39	5	59	-0.5	7	-99	-99	2	-99	-99	-99	-99
535	GS-09-220	7741502	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	26.7	3.95	13.4	311	-50	3	7	-0.5	11.50	12.8	80	40	215	-1	12300	-99	-99	1.3	-99	5.60	-99	-99
536	GS-09-221	7741503	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.05	3.48	2.5	-99	412	0.4	0.02	-99	0.49	-0.1	59.1	3.1	20.9	0.22	1.7	2.1	1.3	0.69	-99	1.51	6.1	2.2
537	GS-09-222	7740306	4.49	1.37	0.075	3.93	5.02	0.78	1.077	0.070	4.68	98.71	-0.1	-99	3	-2	260	-0.1	-99	-0.5	-99	0.3	13	45	229	2.6	221	2.1	-99	-1	-99	6.7	-99	-99
538	GS-14-001	7740903	1.20	1.11	0.050	2.98	4.85	1.87	0.152	0.044	1.48	99.25	-0.1	-99	-2	-2	749	0.7	-0.5	1	-99	-0.2	14.6	7	20	-0.5	3	0.7	0.4	0.38	-99	1.7	18	1.0
539	GS-14-002	7740904	7.98	7.52	0.216	7.86	2.06	1.09	1.025	0.085	3.03	99.63	-0.1	-99	-2	-2	297	0.5	-0.5	-1	-99	-0.2	18.5	49	106	1.6	48	3.5	2.1	1.00	-99	8.6	17	3.3
540	GS-14-006	7740905	0.36	0.13	0.009	0.79	4.31	6.00	0.042	0.014	0.77	99.07	-0.1	-99	-2	-2	2540	0.3	-0.5	-1	-99	-0.2	9.0	-1	2	0.6	25	0.2	-0.1	0.47	-99	0.4	13	0.4
541	GS-14-007	7740906	2.00	1.29	0.045	2.25	5.48	1.54	0.668	0.176	-99	-99	-0.1	-99	2	-2	514	0.9	-0.5	-1	-99	-0.2	90.3	8	2	0.7	11	1.6	0.6	1.20	-99	2.6	24	2.9
542	GS-14-011	7740907	8.21	6.36	0.222	5.81	3.56	0.26	4.176	1.333	5.23	99.17	-0.1	-99	3	3	149	2.3	-0.5	-1	-99	0.4	128.7	43	56	-0.5	7	12.9	6.9	3.66	-99	12.7	28	14.2
543	GS-14-019	7740908	4.34	2.93	0.138	4.35	3.84	3.48	0.837	0.360	5.70	98.91	-0.1	-99	-2	-2	535	1.6	-0.5	1	-99	-0.2	25.5	17	-1	1.6	2	2.4	1.4	1.06	-99	6.1	23	2.8
544	GS-14-020	7740909	0.54	0.31	0.022	1.39	5.43	4.32	0.130	0.082	1.89	98.08	-0.1	-99	2	-99	879	2.0	-0.5	-99	-99	-0.2	36.3	1	3	1.0	4	1.6	1.1	0.64	-99	-99	20	1.9
545	GS-14-033	7740911	9.92	7.82	0.220	4.76	0.18	3.21	2.457	1.139	6.30	100.27	-0.1	-99	2	-99	1176	1.4	-0.5	-99	-99	-0.2	63.1	51	57	1.1	3	7.1	3.8	3.08	-99	-99	31	8.6
546	GS-14-035	7740912	4.74	5.48	0.166	4.18	3.45	2.69	0.748	0.187	3.91	100.14	-0.1	-99	19	-2	662	0.9	-0.5	1	-99	-0.2	60.2	25	26	-0.5	3	2.4	1.2	1.14	-99	5.3	19	2.9
547	GS-14-038	7740913	12.02	8.75	0.276	10.03	0.06	2.26	2.841	1.259	11.69	100.32	-0.1	-99	-2	-99	691	1.2	-0.5	-99	-99	-0.2	50.5	60	59	1.7	7	7.9	4.3	2.87	-99	-99	29	9.3
548	GS-14-039	7740914	0.75	0.41	0.020	0.99	5.79	2.33	0.086	0.030	0.74	98.26	-0.1	-99	-2	-2	533	0.7	-0.5	2	-99	-0.2	21.0	1	3	0.6	11	0.5	0.3	0.37	-99	0.6	16	0.9
549	GS-14-040	7740915	0.43	0.35	0.018	0.57	5.17	3.69	0.064	0.021	0.77	99.95	-0.1	-99	-2	-2	909	0.5	-0.5	2	-99	-0.2	8.5	2	3	0.6	7	0.3	0.1	0.38	-99	0.8	15	0.4
550	GS-14-041	7741504	-99	0.07	0.01	0.68	0.04	1.08	1.745	0.03	0.53	99.62	6.8	-99	-5	-99	178	-1	-0.4	-99	-99	-99	186	4	150	-0.5	-10	4.3	2.8	1.46	-99	-99	7	5
551	GS-14-043	7740917	5.85	4.75	0.128	7.03	2.86	2.07	0.795	0.241	5.20	98.16	-0.1	-99	2	-2	622	1.4	-0.5	2	-99	-0.2	37.6	26	56	1.0	14	2.7	1.5	1.35	-99	5.8	18	3.2
552	GS-14-046	7741505	-99	5.78	0.18	6.70	2.91	0.08	0.765	0.19	8.70	99.37	7	-99	-5	-99	53	4	-0.4	-99	-99	-99	9.3	38	170	0.6	100	2.8	1.8	0.78	-99	-99	19	2.2
553	GS-14-047	7741506	-99	4.91	0.24	11.92	5.77	0.13	0.617	0.05	17.78	100.30	-0.5	-99	6	-99	42	1	-0.4	-99	-99	-99	5.3	42	130	-0.5	170	2.3	1.7	0.53	-99	-99	14	1.8
554	GS-14-048	7741507	-99	4.76	0.31	13.72	4.54	0.13	0.589	0.03	17.39	100.10	1	-99	23	-99	19	2	-0.4	-99	-99	-99	4.4	67	150	-0.5	1430	2.1	1.5	0.48	-99	-99	11	1.5
555	GS-14-049	7740918	9.82	7.83	0.158	6.20	3.00	0.33	0.798	0.058	8.33	100.28	-0.1	-99	4	3	24	0.2	-0.5	-1	-99	-0.2	4.9	38	131	0.5	127	3.2	2.1	0.61	-99	8.8	11	2.5
556	GS-14-051	7741508	-99	3.47	0.26	6.72	2.86	0.34	1.294	0.17	10.74	99.13	2.5	-99	46	-99	67	3	-0.4	-99	-99	-99	12.5	37	60	1.1	200	3.9	2.5	0.89	-99	-99	17	3.2
557	GS-14-054	7740919	9.66	6.99	0.174	7.12	3.27	0.48	0.793	0.058	12.88	99.82	-0.1	-99	-2	-99	41	0.5	-0.5	-99	-99	-0.2	6.6	54	191	-0.5	107	2.9	1.9	0.53	-99	-99	14	2.3
558	GS-14-057	7741001	6.78	6.89	0.229	14.05	4.67	0.20	0.787	0.111	21.53	99.15	0.1	-99	3	-99	23	0.7	-0.5	-99	-99	-0.2	11.9	38	45	-0.5	42	4.4	2.3	0.75	-99	-99	10	3.8
559	GS-14-058	7741509	-99	2.28	0.12	5.29	5.77	0.21	0.220	0.06	7.59	98.77	2	-99	26	-99	687	1	-0.4	-99	-99	-99	73.2	14	50	-0.5	20	5.7	3.6	0.97	-99	-99	19	4.7
560	GS-14-060	7740921	0.68	0.55	0.012	0.53	5.51	1.67	0.396	0.063	1.61	98.46	-0.1	-99	4	-2	771	1.6	-0.5	-1	-99	-0.2	99.1	2	25	1.0	3	5.8	3.9	0.98	-99	2.6	19	6.0
561	GS-14-063	7740922	12.19	4.52	0.236	7.09	1.86	1.12	1.772	0.167	11.81	100.13	-0.1	-99	17	-99	276	1.0	-0.5	-99	-99	-0.2	16.3	37	8	-0.5	106	7.2	4.5	1.49	-99	-99	18	5.9
562	GS-14-064	7740923	9.15	2.60	0.198	7.26	4.94	0.79	2.547	0.586	7.40	99.72	-0.1	-99	4	-99	748	4.6	-0.5	-99	-99	-0.2	175.4	26	-1	0.7	4	11.0	4.9	5.53	-99	-99	40	14.6
563	GS-14-065	7741002	10.01	7.62	0.284	15.31	2.74	0.13	1.066	0.199	22.98	99.39	0.5	-99	8	-99	17	0.5	-0.5	-99	-99	-0.2	15.9	44	14	-0.5	33	4.5	2.3	1.25	-99	-99	19	3.9
564	GS-14-067	7740924	8.73	11.14	0.191	10.35	0.07	1.24	0.526	0.086	18.84	100.93	-0.1	-99	-2	-99	112	1.0	-0.5	-99	-99	-0.2	11.9	53	1063	2.0	6	1.6	0.9	0.57	-99	-99	12	1.7
565	GS-14-072	7741511	-99	4.27	0.23	8.29	4.58	0.16	1.092	0.14	14.87	100.50	1.1	-99	18	-99	41	2	-0.4	-99	-99	-99	12.7	37	100	-0.5	100	4.6	3.0	1.08	-99	-99	14	3.9
566	GS-14-073	7741512	-99	5.00	0.18	11.50	4.97	0.07	1.348	0.13	16.84	100.80	1.7	-99	16	-99	21	2	-0.4	-99	-99	-99	14.2	38	80	0.6	100	5	3.0	1.27	-99	-99	15	4.4
567	GS-14-076	7740925	8.87	7.62	0.184	10.28	2.44	0.03	0.722	0.051	11.35	100.00	-0.1	-99	-2	-99	20	0.2	-0.5	-99	-99	-0.2	5.8	42	172	-0.5	112	2.8	1.9	0.58	-99	-99	12	2.3
568	GS-14-077	7740926	10.55	5.30	0.254	7.34	3.49	1.75	2.056	1.037	4.33	98.72	-0.1	-99	2	-99	1055	0.6	-0.5	-99	-99	-0.2	51.7	41	3	1.3	65	6.2	3.2	2.63	-99	-99	20	7.4
569	GS-14-078	7740927	15.04	7.82	0.251	8.88	2.29	0.18	1.324	0.099	-99	-99	-0.1	-99	2	-99	30	0.3	-0.5	-99	-99	-0.2	10.4	65	123	0.5	90	4.7	3.0	1.15	-99	-99	14	4.1
570	GS-14-079	7741513	-99	5.27	0.13	12.77	6.04	0.05	0.677	0.05	19.11	101.00	0.7	-99	-5	-99	52	1	-0.4	-99	-99	-99	5.9	33	220	-0.5	230	2.6	1.6	0.6	-99	-99	14	2.1

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
571	GS-14-081	7741514	-99	5.73	0.13	13.29	5.97	0.05	0.539	0.05	19.56	100.70	-0.5	-99	-5	-99	22	-1	-0.4	-99	-99	-99	4.2	27	190	-0.5	220	2.2	1.3	0.47	-99	-99	13	1.7
572	GS-14-087	7741515	-99	6.03	0.15	14.61	5.51	0.07	0.536	0.05	21.87	100.70	-0.5	-99	-5	-99	31	-1	-0.4	-99	-99	-99	4.4	29	190	-0.5	90	2.2	1.4	0.55	-99	-99	12	1.7
573	GS-14-088	7740928	9.86	5.61	0.235	6.26	3.70	1.82	2.303	1.046	2.64	100.91	-0.1	-99	3	-99	1390	0.7	-0.5	-99	-99	-0.2	49.3	51	7	1.6	84	6.0	3.2	2.51	-99	-99	20	7.1
574	GS-14-090	7740929	8.97	7.58	0.203	14.69	1.16	-0.01	0.837	0.062	3.07	100.61	-0.1	-99	-2	-99	13	0.2	-0.5	-99	-99	-0.2	7.0	44	202	-0.5	127	2.9	1.9	0.75	-99	-99	17	2.7
575	GS-14-091	7740931	8.72	6.97	0.198	8.36	3.10	1.00	1.195	0.251	3.16	100.59	-0.1	-99	-2	-99	536	0.4	-0.5	-99	-99	-0.2	23.8	42	34	2.0	86	4.3	2.4	1.42	-99	-99	16	4.3
576	GS-14-092	7740932	1.03	0.88	0.028	1.12	7.57	0.62	0.144	0.035	1.58	98.48	-0.1	-99	-2	-2	170	0.8	-0.5	-1	-99	0.2	4.6	3	2	-0.5	6	0.4	0.2	0.21	-99	1.1	14	0.5
577	GS-14-094	7740933	2.31	1.92	0.042	0.44	7.14	0.61	0.271	0.076	1.51	99.85	-0.1	-99	-2	-2	163	0.8	-0.5	-1	-99	-0.2	1.9	7	4	-0.5	7	0.3	0.2	0.17	-99	2.2	19	0.5
578	GS-14-095	7740934	1.36	1.23	0.035	0.80	8.30	0.43	0.391	0.114	1.09	99.76	-0.1	-99	2	-2	173	0.9	-0.5	1	-99	-0.2	30.8	4	4	-0.5	8	0.9	0.4	0.47	-99	1.6	17	1.4
579	GS-14-096	7740935	5.75	6.12	0.220	14.70	0.15	0.07	0.950	0.065	7.40	100.06	-0.1	-99	-2	-99	16	0.7	1.0	-99	-99	-0.2	14.2	51	147	-0.5	16	4.6	2.7	0.97	-99	-99	22	3.7
580	GS-14-097	7740936	9.86	8.49	0.227	3.19	3.59	0.32	1.442	0.108	6.40	99.90	-0.1	-99	-2	-99	169	1.3	-0.5	-99	-99	-0.2	6.1	43	193	-0.5	15	4.9	3.2	0.65	-99	-99	21	3.6
581	GS-14-098	7741516	-99	2.92	0.12	11.15	6.80	0.37	0.394	0.12	10.38	100.70	0.9	-99	-5	-99	139	2	-0.4	-99	-99	-99	68.7	6	40	1.6	30	2.5	1.1	1.89	-99	-99	19	4.2
582	GS-14-099	7740937	8.87	13.26	0.304	15.71	0.33	0.11	0.538	0.054	8.56	99.09	-0.1	-99	-2	-2	11	1.0	-0.5	-1	-99	0.3	7.0	102	1621	-0.5	15	1.7	0.9	0.62	-99	9.7	12	1.8
583	GS-14-101	7740938	1.35	1.16	0.032	2.50	6.84	0.49	0.307	0.087	2.35	99.40	-0.1	-99	2	-2	280	0.9	-0.5	1	-99	-0.2	64.0	4	6	-0.5	5	0.8	0.3	0.50	-99	1.5	16	1.4
584	GS-14-103	7741517	-99	1.53	0.05	5.67	8.68	0.13	0.126	0.03	5.31	99.00	-0.5	-99	-5	-99	79	1	-0.4	-99	-99	-99	31.6	3	30	-0.5	-10	0.6	0.3	0.42	-99	-99	23	1.1
585	GS-14-105	7740939	10.61	8.28	0.152	5.73	0.15	2.56	4.275	1.387	8.79	99.60	-0.1	-99	2	-99	458	1.0	-0.5	-99	-99	-0.2	110.9	54	55	0.8	4	11.7	6.6	3.04	-99	-99	40	12.1
586	GS-14-106	7740941	3.59	2.36	0.053	2.53	5.94	1.08	0.537	0.156	3.10	99.91	-0.1	-99	2	-2	262	0.9	-0.5	1	-99	-0.2	54.9	12	22	-0.5	4	2.5	1.2	0.74	-99	3.4	23	3.7
587	GS-14-107	7740942	9.44	5.52	0.163	7.52	3.29	0.47	1.190	0.107	8.36	100.14	-0.1	-99	-2	-99	138	0.6	-0.5	-99	-99	-0.2	33.2	41	52	-0.5	222	3.9	2.2	1.29	-99	-99	23	4.1
588	GS-14-108	7741518	-99	2.00	0.04	2.32	0.14	1.06	0.497	0.08	3.55	99.19	0.7	-99	4	-5	54	-1	-2	-1	-99	-0.5	19	14	170	-0.5	23	-99	-99	0.7	-99	-99	-99	-99
589	GS-14-109	7740943	9.69	8.82	0.145	6.02	2.33	0.46	0.801	0.059	9.41	99.42	-0.1	-99	-2	-99	45	1.0	-0.5	-99	-99	0.2	5.0	42	199	0.6	93	2.2	1.5	0.40	-99	-99	14	1.8
590	GS-14-110	7741519	-99	1.62	0.05	7.86	6.82	0.05	0.629	3.61	3.17	99.11	-0.5	-99	6	-5	47	5	-2	-1	-99	-0.5	63	19	69	-0.5	44	-99	-99	2.9	-99	-99	-99	-99
591	GS-14-112	7740944	1.51	2.12	0.051	4.61	8.15	0.17	0.338	1.001	3.30	99.24	-0.1	-99	3	-2	61	1.0	-0.5	2	-99	0.2	33.9	8	12	-0.5	9	13.6	11.0	2.04	-99	2.4	11	12.1
592	GS-14-113	7740945	7.07	7.07	0.213	14.75	4.03	0.40	0.637	0.077	21.92	100.79	0.9	-99	2	34	34	1.1	-0.5	-1	-99	0.2	11.7	57	157	-0.5	205	2.7	1.7	0.77	-99	9.0	10	2.5
593	GS-14-114	7740946	6.19	8.18	0.239	15.78	4.71	0.04	0.396	0.034	24.08	101.00	-0.1	-99	3	-2	13	0.7	-0.5	-1	-99	0.3	5.0	40	101	-0.5	15	2.0	1.3	0.54	-99	8.1	9	1.8
594	GS-14-115	7740947	6.17	5.51	0.186	11.70	5.21	0.29	0.827	0.061	-99	-99	0.5	-99	4	-99	164	1.7	-0.5	-99	-99	-0.2	5.8	36	189	1.6	143	3.0	1.9	0.62	-99	-99	9	2.5
595	GS-14-116	7740948	9.61	5.39	0.232	7.05	3.04	1.24	2.242	1.060	3.85	99.51	-0.1	-99	3	-99	1339	0.6	-0.5	-99	-99	-0.2	45.2	45	3	2.0	77	5.7	3.0	2.29	-99	-99	20	6.6
596	GS-14-118	7740949	2.80	5.80	0.141	11.67	6.47	0.04	0.602	0.053	16.96	99.00	0.6	-99	5	-2	22	0.8	-0.5	-1	-99	0.3	5.1	30	99	-0.5	515	2.2	1.4	0.47	-99	6.0	11	1.8
597	GS-14-120	7740951	6.35	5.17	0.183	11.83	6.19	0.02	0.835	0.087	17.44	100.51	0.1	-99	3	2	24	0.7	-0.5	-1	-99	0.4	6.2	33	99	-0.5	18	2.9	2.0	0.63	-99	8.0	13	2.3
598	GS-14-128	7740952	9.23	6.82	0.167	10.40	2.74	0.03	0.716	0.051	11.83	99.59	-0.1	-99	-2	-99	11	0.3	-0.5	-99	-99	-0.2	4.7	39	170	-0.5	121	2.2	1.6	0.51	-99	-99	11	1.9
599	GS-14-129	7740953	5.67	6.54	0.118	6.56	3.71	2.60	0.744	0.325	0.75	100.45	-0.1	-99	2	2	794	1.0	-0.5	2	-99	-0.2	42.9	27	281	1.7	58	2.6	1.3	1.24	-99	5.6	18	3.3
600	GS-14-130	7740954	1.99	0.56	0.024	2.17	4.28	3.36	0.234	0.098	2.30	99.25	-0.1	-99	3	-99	757	1.4	-0.5	-99	-99	-0.2	54.7	3	5	0.9	5	1.4	0.7	0.63	-99	-99	18	2.0
601	GS-14-131	7740955	5.44	11.77	0.124	5.80	3.10	2.88	0.590	0.292	0.92	98.38	-0.1	-99	2	-2	747	1.1	-0.5	1	-99	-0.2	39.8	36	886	1.7	54	1.9	1.1	0.82	-99	5.6	15	2.9
602	GS-14-132	7740956	4.20	29.51	0.159	4.21	0.76	0.97	0.249	0.139	7.08	99.45	-0.1	-99	-2	-2	325	0.4	-0.5	4	-99	-0.2	14.7	85	2626	1.4	37	0.9	0.5	0.41	-99	6.7	6	1.3
603	GS-14-135	7740957	6.89	16.98	0.175	7.27	1.83	1.03	0.467	0.166	4.08	98.99	-0.1	-99	17	-99	428	0.8	-0.5	-99	-99	-0.2	21.0	59	1665	1.4	37	2.0	1.1	0.71	-99	-99	9	2.3
604	GS-14-137	7741521	-99	0.52	0.04	1.58	6.30	0.70	0.277	0.06	1.88	99.42	-0.5	-99	3	-5	1470	1	-2	-1	-99	-0.5	58	-1	60	-0.5	4	-99	-99	0.7	-99	-99	-99	-99
605	GS-14-138	7741522	-99	2.45	0.14	5.75	5.65	0.45	0.509	0.13	5.93	99.04	1.4	-99	4	-5	567	2	-2	-1	-99	-0.5	106	11	61	-0.5	36	-99	-99	-0.1	-99	-99	-99	-99
606	GS-14-139	7741523	-99	6.64	0.26	6.90	0.64	3.71	2.848	0.42	5.47	100.70	4.4	-99	-5	-99	229	5	0.8	-99	-99	-99	48.6	43	200	2.9	2240	7.4	4.2	2.08	-99	-99	23	7.7
607	GS-14-140	7741524	-99	3.91	0.21	7.39	6.09	1.02	1.004	0.17	7.56	98.89	3.5	-99	-2	-5	299	2	-2	-1	-99	-0.5	76	21	106	-0.5	593	-99	-99	-0.1	-99	-99	-99	-99
608	GS-14-142	7740958	10.32	9.43	0.168	4.87	2.69	0.04	0.889	0.061	8.31	98.48	-0.1	-99	40	2	43	0.4	-0.5	-1	-99	0.2	5.2	40	217	1.1	137	3.0	1.9	0.51	-99	8.5	15	2.2
609	GS-14-143	7741525	-99	1.01	0.08	6.30	0.11	3.02	0.179	0.05	6.72	100.40	2.8	-99	26	-5	662	2	-2	-1	-99	-0.5	151	7	121	-0.5	253	-99	-99	1.5	-99	-99	-99	-99
610	GS-14-144	7741526	-99	1.42	0.06	3.40	0.16	3.03	0.256	0.05	4.61	98.59	0.7	-99	7	-5	949	2	-2	-1	-99	-0.5	65	-1	65	-0.5	13	-99	-99	0.7	-99	-99	-99	-99
611	GS-14-145	7741527	-99	0.49	0.04	2.49	0.13	3.85	0.257	0.06	3.53	100.40	-0.5	-99	11	-5	1700	2	-2	-1	-99	-0.5	51	-1	49	-0.5	3	-99	-99	0.7	-99	-99	-99	-99
612	GS-14-146	7741528	-99	0.58	0.02	0.75	0.13	3.88	0.304	0.07	2.45	99.75	-0.5	-99	6	-5	734	2	-2	-1	-99	-0.5	69	4	50	3.8	3	-99	-99	1.1	-99	-99	-99	-99
613	GS-14-147	7741529	-99	1.32	0.05	2.96	0.09	3.16	0.252	0.07	4.40	99.61	0.9	-99	46	-5	845	2	-2	-1	-99	-0.5	62	8	31	-0.5	6	-99	-99	2.3	-99	-99	-99	-99
614	GS-14-148	7741531	-99	2.98	0.10	7.38	0.06	1.96	0.195	0.04	8.46	98.51	1.4	-99	179	-5	515	1	-2	-1	-99	5.7	72	12	65	2	12	-99	-99	1.6	-99	-99	-99	-99
615	GS-14-149	7741532	-99	1.30	0.08	5.95	0.09	3.09	0.228	0.05	6.57	98.70	0.5	-99	7	-5	737	1	-2	-1	-99	-0.5	66	-1	32	2.8	8	-99	-99	0.6	-99	-99	-99	-99
616	GS-14-151	7741533	-99	4.90	0.17	9.49	2.29	3.35	1.231	0.61	13.89	100.70	1.3	-99	9	-99	1083	4	-0.4	-99	-99	-99	110	25	30	2.6	100	4.5	2.5	2.57	-99	-99	18	5.7
617	GS-14-152	7741534	-99	5.16	0.16	11.16	5.20	1.11	1.091	0.54	15.85	100.90	0.8	-99	-5	-99	866	1	-0.4	-99	-99	-99	89.8	20	40	0.7	90	4.1	2.2	1.96	-99	-99	13	4.8
618	GS-14-157	7741535	-99	6.26	0.19	14.01	4.39	0.39	0.500	0.03	21.11	100.90	-0.5	-99	-5	-99	53	1	-0.4	-99	-99	-99	5.7	37	250	-0.5	80	2	1.3	0.57	-99	-99	10	1.9
619	GS-14-158	7741536	-99	0.46	0.06	1.07	6.83	0.36	0.237	0.07	1.57	98.55	0.8	-99	-5	-99	418	-1	-0.4	-99	-99	-99	60.1	3	60	-0.5	-10	3.8	2.5	0.8	-99	-99	19	3.7
620	GS-14-159	7741537	-99	4.08	0.18	8.74	5.21	1.84	1.163	0.11	12.76	100.70	-0.5	-99	7	-99	184	3	-0.4	-99	-99	-99	16	41	60	0.9	70	5.3	3.0	1.44	-99	-99	14	4.7
621	GS-14-160	7740963	0.86	0.77	0.066	3.35	7.51	0.05	0.235	0.071	3.29	99.85	-0.1	-99	2	-99	265	0.7	-0.5	-99	-99	-0.2	63.3	3	8	-0.5	3	4.3	3.0	0.85	-99	-99	16	4.9
622	GS-14-161	7741003	1.39	0.95	0.047	3.12	0.40	4.68	0.299	0.061	2.58	98.16	-0.1	-99	6	-99	1070	1.3	-0.5	-99	-99	-0.2	79.3	6	20	3.9	8	4.7	3.1	1.20	-99	-99	14	4.4
623	GS-14-162	7741538	-99	0.94	0.07	5.80	0.27	4.27	0.280	0.06	4.80	100.80	0.7	-99	14	-5	836	2	-2	-1	-99	-0.5	87	5	53	3.5	5	-99	-99	0.9	-99	-99	-99	-99
624	GS-14-164	7741539	-99	6.61	0.15	1.70	1.70	0.17	1.611	0.07	5.62	100.50	-0.5	-99	17	-5	74	-1	2	-1	-99	-0.5	22	50	221	-0.5	80	-99	-99	0.4	-99	-99	-99	-99
625	GS-14-165	7741541	-99	3.19	0.05	0.12	3.81	1.91	1.070	0.05	4.69	98.41	-0.5	-99	-2	-5	538	1	-2	-1	-99	-0.5	22	8	148	-0.5	84	-99	-99	-0.1	-99	-99	-99	-99
626	GS-14-166	7741542	-99	2.31	0.02	0.11	0.45	5.60	2.302	0.05	4.54	101.00	-0.5	-99	77	-5	1160	2	-2	-1	-99	-0.5	64	24	191	-0.5	123	-99	-99	1.1	-99	-99	-99	-99
627	GS-14-167	7741543	-99	14.08	0.07	23.68	0.36	0.03	0.020	0.26	35.19	98.58	-0.5	-99	2	-5	23	-1	-2	3	-99	-0.5	5	-1	27	-0.5	-1	-99	-99	-0.1	-99	-99	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
628	GS-14-169	7740964	1.71	0.60	0.053	1.25	4.52	4.82	0.291	0.110	1.47	98.36	-0.1	-99	-2	-2	765	3.0	-0.5	1	-99	-0.2	82.9	3	5	1.1	6	2.5	1.4	0.73	-99	1.9	21	3.1
629	GS-14-170	7740965	1.46	0.60	0.050	0.69	4.60	5.17	0.403	0.142	1.61	100.06	-0.1	-99	-2	-2	927	3.2	-0.5	-1	-99	-0.2	87.4	4	6	1.0	5	2.9	1.6	0.79	-99	2.2	21	3.2
630	GS-14-171	7740966	2.38	1.32	0.041	2.35	3.71	2.26	0.519	0.164	3.36	100.99	-0.1	-99	-2	-2	460	0.7	-0.5	-1	-99	-0.2	48.5	7	13	0.8	4	1.0	0.5	0.79	-99	2.2	21	1.8
631	GS-14-172	7740967	0.93	0.51	0.040	1.25	0.77	10.76	0.208	0.047	1.01	98.33	-0.1	-99	6	-2	803	1.1	-0.5	-1	-99	-0.2	83.2	2	15	0.7	5	2.6	1.4	0.55	-99	1.6	14	3.4
632	GS-14-173	7740968	10.07	5.80	0.208	8.96	3.51	0.65	1.227	0.111	0.63	99.38	0.2	-99	14	6	186	0.8	-0.5	-1	-99	0.3	22.7	38	66	0.7	156	3.7	2.5	1.12	-99	9.7	17	3.6
633	GS-14-174	7740969	0.68	0.19	0.038	0.81	5.12	5.17	0.140	0.033	0.62	99.90	-0.1	-99	-2	-2	2147	1.7	-0.5	-1	-99	-0.2	107.7	-1	2	-0.5	8	2.4	1.2	1.05	-99	1.0	16	3.1
634	GS-14-176	7740971	6.98	2.82	0.117	6.16	6.29	0.08	1.129	0.219	-100	98.75	-0.1	-99	-2	11	10	1.7	-0.5	-1	-99	0.4	19.2	11	11	-0.5	11	5.7	4.1	1.06	-99	7.8	17	5.5
635	GS-14-177	7740972	8.12	9.31	0.187	10.94	2.59	1.28	0.719	0.047	0.52	99.06	-0.1	-99	-2	2	43	0.5	-0.5	-1	-99	-0.2	4.6	40	425	10.8	108	2.8	1.7	0.62	-99	7.7	16	2.2
636	GS-14-179	7741544	-99	4.06	0.23	14.66	3.01	2.36	2.145	0.22	1.76	101.00	0.8	-99	24	-99	665	5	-0.4	-99	-99	-99	15.9	22	-20	14.5	50	4.4	2.8	0.94	-99	-99	12	3.6
637	GS-14-180	7740973	0.59	0.19	0.027	0.30	2.07	4.94	0.115	0.011	1.15	98.71	-0.1	-99	-2	-2	613	3.2	-0.5	-1	-99	-0.2	63.3	-1	-1	4.2	4	2.0	1.1	0.70	-99	0.8	13	2.8
638	GS-14-181	7740974	9.41	9.03	0.187	7.91	2.88	3.11	0.869	0.063	0.73	99.29	-0.1	-99	-2	4	99	4.2	-0.5	-1	-99	-0.2	5.8	43	154	101.2	173	3.2	2.1	0.67	-99	8.7	15	2.7
639	GS-14-182	7741004	10.77	2.99	0.373	2.42	0.28	4.02	0.922	0.037	2.23	100.23	0.8	-99	24	-99	109	2.7	-0.5	-99	-99	-0.2	52.0	34	87	11.1	96	3.0	1.6	0.94	-99	-99	18	3.2
640	GS-14-183	7741545	-99	0.02	0.28	0.36	8.26	0.22	0.012	0.03	0.18	99.46	-0.5	-99	3	-5	9	9	-2	-1	-99	-0.5	17	-1	27	-0.5	19	-99	-99	-0.1	-99	-99	-99	-99
641	GS-14-184	7740975	1.96	1.28	0.044	2.56	4.88	1.56	0.413	0.109	1.44	98.28	-0.1	-99	-2	-2	673	0.6	-0.5	-1	-99	-0.2	29.6	8	13	-0.5	4	1.1	0.4	0.64	-99	2.6	16	1.3
642	GS-14-185	7741546	-99	0.29	0.08	0.26	4.80	3.91	0.034	-0.01	1.12	100.60	-0.5	-99	2	-5	238	3	-2	-1	-99	-0.5	27	-1	12	-0.5	3	-99	-99	-0.1	-99	-99	-99	-99
643	GS-14-186	7740976	2.20	1.46	0.031	1.02	5.37	1.47	0.321	0.095	1.61	98.53	-0.1	-99	-2	-99	428	1.4	-0.5	-99	-99	-0.2	25.1	4	6	-0.5	5	0.4	0.1	0.59	-99	-99	22	0.9
644	GS-14-187	7741547	-99	0.16	0.01	0.17	4.16	5.11	0.041	-0.01	0.30	98.72	-0.5	-99	-2	-5	301	-1	-2	-1	-99	-0.5	10	-1	39	-0.5	3	-99	-99	-0.1	-99	-99	-99	-99
645	GS-14-188	7740977	3.08	1.70	0.029	1.28	3.10	3.11	0.489	0.081	2.34	99.00	0.1	-99	-2	-99	456	1.1	-0.5	-99	-99	0.3	49.9	8	77	2.0	76	2.5	1.4	1.05	-99	-99	18	2.9
646	GS-14-189	7741548	-99	3.10	0.08	3.42	2.21	3.53	0.486	0.15	2.16	98.29	-0.5	-99	2	-5	670	1	-2	-1	-99	-0.5	46	18	160	-0.5	2	-99	-99	0.6	-99	-99	-99	-99
647	GS-14-191	7741549	-99	0.23	0.01	0.26	3.91	6.09	0.035	-0.01	0.28	98.74	-0.5	-99	4	5	211	-1	-2	-1	-99	-0.5	14	-1	23	-0.5	2	-99	-99	-0.1	-99	-99	-99	-99
648	GS-14-192	7740978	2.64	1.80	0.059	3.04	5.17	1.44	0.571	0.232	1.73	98.52	-0.1	-99	-2	-2	505	1.0	-0.5	-1	-99	-0.2	34.7	9	7	0.7	46	2.3	1.1	1.03	-99	3.3	22	3.2
649	GS-14-193	7741551	-99	2.78	0.03	0.18	3.16	2.74	0.730	0.08	4.29	100.90	-0.5	-99	25	-5	346	1	-2	-1	-99	-0.5	21	7	149	6	67	-99	-99	-0.1	-99	-99	-99	-99
650	GS-14-194	7741552	-99	2.85	0.07	0.89	4.42	3.09	0.920	0.07	3.45	99.67	0.6	-99	8	-5	424	1	-2	-1	-99	1.0	19	32	141	-0.5	90	-99	-99	0.8	-99	-99	-99	-99
651	GS-14-195	7741553	-99	0.19	0.05	0.85	3.75	4.64	0.122	0.03	1.35	99.68	-0.5	-99	5	-5	1070	3	-2	-1	-99	-0.5	65	-1	29	-0.5	1	-99	-99	-0.1	-99	-99	-99	-99
652	GS-14-197	7740979	6.15	13.04	0.144	6.90	2.13	2.21	0.580	0.144	3.51	100.05	-0.1	-99	3	-2	610	0.9	-0.5	-1	-99	-0.2	25.4	45	1228	1.4	47	2.5	1.3	0.75	-99	6.1	14	2.9
653	GS-14-198	7740981	3.86	12.14	0.141	7.47	2.92	1.79	0.553	0.183	3.48	99.83	-0.1	-99	4	2	533	0.9	-0.5	-1	-99	-0.2	29.9	40	910	0.9	69	2.7	1.4	0.91	-99	6.0	9	2.8
654	GS-14-199	7740982	0.55	0.26	0.041	0.43	3.16	6.30	0.286	0.022	0.82	98.44	-0.1	-99	4	-2	576	2.8	-0.5	-1	-99	0.4	90.9	3	4	3.5	5	4.2	2.6	0.70	-99	1.3	18	4.7
655	GS-14-200	7740983	0.41	0.14	0.032	0.64	3.94	4.71	0.179	0.015	0.65	98.61	-0.1	-99	5	-2	239	3.5	-0.5	-1	-99	-0.2	97.0	-1	1	2.0	2	4.4	2.7	0.30	-99	0.9	13	4.7
656	GS-14-201	7740984	1.17	0.18	0.039	0.96	4.66	8.38	0.217	0.023	0.80	98.53	-0.1	-99	4	-2	525	1.6	-0.5	-1	-99	-0.2	122.0	-1	3	2.5	3	5.4	3.0	0.61	-99	2.5	13	5.8
657	GS-14-203	7740985	0.32	0.11	0.032	0.61	3.83	4.99	0.181	0.014	0.37	98.62	-0.1	-99	20	-99	215	3.3	-0.5	-99	-99	-0.2	97.0	-1	2	3.3	3	4.9	2.9	0.75	-99	-99	16	4.7
658	GS-14-207	7741554	-99	0.69	0.07	0.18	0.90	10.93	0.330	0.03	0.47	100.90	1.7	-99	39	-99	903	3	0.9	-99	-99	-99	169	6	-20	3.3	10	14.5	11.9	1.61	-99	-99	25	11.8
659	GS-14-208	7741555	-99	3.67	0.08	3.14	1.46	3.62	0.726	0.09	1.91	100.10	0.7	-99	-5	-99	710	1	-0.4	-99	-99	-99	30.3	26	200	6.5	70	2.5	1.6	0.87	-99	-99	18	2.5
660	GS-14-209	7741556	-99	4.77	0.20	3.32	1.12	3.13	1.103	0.14	3.50	99.30	-0.5	-99	-5	-99	453	3	-0.4	-99	-99	-99	38.3	37	240	4.3	110	3.9	2.3	1.09	-99	-99	22	3.8
661	GS-14-210	7741557	-99	4.35	0.13	3.98	1.53	3.63	1.099	0.17	1.85	100.50	0.7	-99	9	-99	423	2	-0.4	-99	-99	-99	36.8	36	250	13.2	130	3.6	2.2	1.06	-99	-99	22	3.6
662	GS-14-211	7741558	-99	5.00	0.07	0.98	1.45	3.86	1.097	0.09	2.63	100.70	0.5	-99	20	-99	259	2	-0.4	-99	-99	-99	50.5	29	230	19	110	3.1	1.8	1.13	-99	-99	22	3.6
663	GS-14-212	7741559	-99	0.40	0.04	1.41	6.99	3.01	0.286	0.10	0.41	99.14	1.1	-99	-5	-99	361	4	-0.4	-99	-99	-99	99.5	3	30	0.7	-10	2.5	1.4	0.99	-99	-99	26	3.1
664	GS-14-220	7740986	1.33	0.26	0.042	0.76	6.86	1.12	0.363	0.054	0.30	98.59	-0.1	-99	4	-2	1669	3.3	-0.5	-1	-99	-0.2	153.1	2	2	-0.5	5	8.5	4.8	1.67	-99	2.5	22	8.7
665	GS-14-221	7741561	-99	0.07	0.01	0.29	2.99	6.05	0.113	-0.01	0.06	98.69	0.9	-99	-5	-99	969	2	-0.4	-99	-99	-99	143	-1	30	-0.5	-10	6.4	4.2	0.28	-99	-99	23	6.2
666	GS-14-222	7741562	-99	0.13	0.02	0.40	2.34	7.53	0.117	-0.01	0.26	100.10	0.8	-99	-5	-99	216	2	-0.4	-99	-99	-99	116	-1	20	-0.5	-10	5.1	3.7	0.24	-99	-99	20	5.1
667	GS-14-223	7741563	-99	0.05	0.02	0.98	6.52	0.06	0.087	-0.01	0.04	98.75	0.7	-99	-5	-99	18	9	-0.4	-99	-99	-99	111	-1	20	-0.5	30	9.1	5.8	0.27	-99	-99	24	8
668	GS-14-224	7741564	-99	0.11	0.02	0.95	3.70	5.60	0.103	0.01	0.60	100.40	-0.5	-99	-5	-99	168	4	-0.4	-99	-99	-99	140	-1	-20	1	-10	9.2	5.6	0.28	-99	-99	23	9.7
669	GS-14-225	7741565	-99	0.05	0.01	0.35	2.39	7.20	0.097	-0.01	0.10	100.70	0.7	-99	-5	-99	239	3	-0.4	-99	-99	-99	85.5	-1	20	1.1	-10	6.9	4.8	0.18	-99	-99	21	5.2
670	GS-14-226	7741566	-99	0.06	0.04	0.40	3.67	4.34	0.058	0.01	0.01	99.31	-0.5	-99	-5	-99	145	5	-0.4	-99	-99	-99	10.1	-1	40	3.8	-10	2.3	2.0	0.11	-99	-99	19	1.4
671	GS-14-227	7740987	1.26	0.82	0.037	2.20	6.26	2.37	0.332	0.114	0.51	99.02	-0.1	-99	4	-2	829	1.9	-0.5	-1	-99	-0.2	59.3	3	12	1.3	1	1.1	0.7	0.89	-99	1.7	18	2.2
672	GS-14-230	7740988	2.13	0.48	0.080	2.06	7.45	0.89	0.519	0.118	0.42	98.95	-0.1	-99	9	-2	674	2.7	-0.5	-1	-99	0.4	281.2	4	4	-0.5	23	15.8	9.2	2.74	-99	4.2	32	19.2
673	GS-14-232	7740989	1.10	0.15	0.046	1.14	7.23	0.24	0.274	0.033	0.63	98.56	-0.1	-99	5	-2	943	2.6	-0.5	-1	-99	-0.2	225.6	21	4	-0.5	4	11.4	7.1	1.45	-99	2.4	19	12.4
674	GS-14-240	7741567	-99	0.45	0.06	2.64	9.30	0.09	0.473	0.10	0.96	100.50	3	-99	-5	-99	1574	12	-0.4	-99	-99	-99	203	3	20	-0.5	-10	10.7	6.6	2.13	-99	-99	29	10.9
675	GS-14-241	7741568	-99	0.24	0.05	1.54	4.71	4.21	0.391	0.05	0.66	100.70	2.1	-99	-5	-99	1717	3	-0.4	-99	-99	-99	169	2	20	0.8	-10	8.1	4.9	1.58	-99	-99	23	8.5
676	GS-14-242	7741569	-99	0.15	0.04	0.75	6.53	0.10	0.209	0.02	0.24	98.72	1.3	-99	-5	-99	395	3	-0.4	-99	-99	-99	252	-1	20	-0.5	-10	11.4	7.1	1.08	-99	-99	22	11.7
677	GS-14-243	7741571	-99	0.16	0.04	0.81	8.17	0.07	0.290	0.04	0.45	100.00	2.1	-99	-5	-99	892	9	-0.4	-99	-99	-99	286	1	20	-0.5	-10	13.9	8.8	1.54	-99	-99	31	14.4
678	GS-14-244	7741572	-99	0.39	0.07	1.79	7.87	0.14	0.542	0.10	0.84	100.20	2.8	-99	-5	-99	1894	8	-0.4	-99	-99	-99	171	4	-20	-0.5	-10	8.2	5.0	1.97	-99	-99	23	8.9
679	GS-14-245	7740991	6.17	22.66	0.155	5.56	1.38	1.91	0.356	0.150	2.24	99.48	-0.1	-99	2	2	400	0.7	-0.5	-1	-99	-0.2	19.7	72	1810	3.5	59	1.9	1.0	0.65	-99	6.6	6	1.8
680	GS-14-246	7740992	2.95	1.42	0.080	3.05	5.19	4.03	0.716	0.192	0.26	99.86	-0.1	-99	3	2	1355	1.8	-0.5	-1	-99	-0.2	102.7	9	5	1.1	27	5.3	3.9	1.67	-99	3.5	21	6.1
681	GS-14-247	7740993	6.50	12.98	0.148	8.92	2.37	1.86	0.510	0.181	0.66	98.07	-0.1	-99	-2	2	441	0.9	-0.5	-1	-99	-0.2	29.9	42	870	1.8	49	2.4	1.5	0.75	-99	6.1	11	2.5
682	GS-14-248	7741573	-99	4.26	0.19	6.87	6.91	0.42	0.762	0.06	0.21	99.80	1.7	-99	-5	-99	202	4	-0.4	-99	-99	-99	52	25	150	-0.5	50	4.3	2.7	0.75	-99	-99	23	3.4
683	GS-14-249	7740994	0.92	0.41	0.026	0.92	1.24	10.06	0.100	0.013	0.22	100.25	-0.1	-99	8	-2	688	2.5	-0.5	-1	-99	-0.2	133.9	-1	2	1.1	11	7.9	5.2	0.31	-99	1.3	9	8.1
684	GS-14-252	7740995	2.07	0.38	0.074	2.02	4.07	4.49	0.497	0.103	0.28	99.22	-0.1	-99	6	-99	1222	3.3	-0.5	-99	-99	-0.2	287.3	5	3	-0.5	6	15.7	8.4	2.99	-99	-99	25	17.7

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
685	GS-15-015	7741017	2.03	0.79	0.066	2.57	9.03	0.17	0.605	0.163	0.94	98.84	-0.1	-99	5	-99	993	4.4	-0.5	-99	-99	0.2	58.3	7	43	-0.5	2	2.7	1.6	0.95	-99	-99	15	3.2
686	GS-15-016	7741018	1.09	-0.01	0.010	0.19	6.98	0.12	0.183	0.023	0.15	98.95	-0.1	-99	5	-99	66	4.3	-0.5	-99	-99	0.2	179.1	1	2	-0.5	4	6.6	3.9	1.14	-99	-99	19	8.4
687	GS-15-017	7741019	2.46	1.98	0.101	2.57	8.57	0.97	0.705	0.172	1.77	99.40	0.3	-99	5	-99	364	4.2	-0.5	-99	-99	-0.2	64.4	13	29	1.1	2	3.7	2.2	1.10	-99	-99	17	3.5
688	GS-15-018	7741021	1.51	0.12	0.016	0.69	6.89	0.15	0.253	0.026	0.27	99.12	-0.1	-99	4	-99	65	3.2	-0.5	-99	-99	0.3	167.6	3	4	-0.5	13	7.1	3.7	1.55	-99	-99	21	9.2
689	GS-15-019	7741022	15.81	15.56	0.245	8.38	0.04	0.08	5.363	0.504	-99	99.60	0.1	-99	10	-99	32	1.9	-0.5	-99	-99	-0.2	72.4	91	771	1.8	192	6.1	2.3	3.18	-99	-99	20	9.2
690	GS-15-020	7741023	8.14	6.37	0.151	9.80	3.60	0.08	0.766	0.055	10.99	98.89	0.1	-99	8	-99	23	0.3	-0.5	-99	-99	-0.2	5.2	38	176	0.8	108	2.6	1.6	0.64	-99	-99	10	2.1
691	GS-15-022	7741024	7.65	9.02	0.142	8.60	2.76	0.25	0.610	0.112	12.22	99.76	-0.1	-99	2	-99	79	0.5	-0.5	-99	-99	-0.2	16.2	37	523	0.7	58	1.9	1.2	0.74	-99	-99	12	2.2
692	GS-15-027	7741025	7.10	6.63	0.190	6.59	3.53	1.78	1.089	0.223	3.14	100.06	-0.1	-99	3	-99	977	0.4	-0.5	-99	-99	-0.2	18.8	46	31	1.3	120	3.6	1.9	1.27	-99	-99	17	3.5
693	GS-15-028	7741574	-99	3.65	0.14	9.79	5.66	0.05	1.136	0.11	8.58	97.99	3.9	-99	-2	-5	55	1	-2	-1	-99	-0.5	46	36	89	-0.5	4780	-99	-99	-0.1	-99	-99	-99	-99
694	GS-15-029	7741026	9.53	5.80	0.255	5.20	4.18	1.31	2.398	1.015	2.69	98.92	-0.1	-99	3	-99	980	0.7	-0.5	-99	-99	-0.2	46.1	44	-1	1.5	56	5.6	3.1	2.49	-99	-99	18	7.0
695	GS-15-032	7741027	6.00	10.48	0.093	6.37	0.93	2.09	0.745	0.052	14.20	100.18	-0.1	-99	-2	-99	68	0.9	-0.5	-99	-99	-0.2	4.2	32	246	1.1	4	2.3	1.6	0.50	-99	-99	13	2.0
696	GS-15-033	7741028	-99	8.54	0.179	9.39	3.63	0.14	0.754	0.061	4.18	99.51	-0.1	-99	-2	-99	36	0.1	-0.5	-99	-99	-0.2	4.5	41	271	0.6	124	2.6	1.6	0.54	-99	-99	11	2.0
697	GS-15-034	7741029	7.24	5.74	0.192	9.70	4.53	0.12	0.697	0.060	10.78	98.92	0.2	-99	3	-2	42	0.9	-0.5	-1	-99	-0.2	5.0	36	97	0.7	7	2.4	1.4	0.57	-99	8.0	11	2.0
698	GS-15-035	7741159	5.29	7.28	0.260	12.05	3.99	0.10	0.360	0.030	13.36	99.29	0.3	-99	-2	-99	34	0.9	-0.5	-99	-99	-0.2	2.6	38	75	1.3	3	2.0	1.2	0.39	-99	-99	12	1.4
699	GS-15-037	7741575	-99	3.64	0.16	6.77	6.78	0.20	0.521	0.04	10.20	99.52	-0.5	-99	-2	-5	41	2	-2	-1	-99	-0.5	5	35	103	-0.5	22	-99	-99	0.4	-99	-99	-99	-99
700	GS-15-039	7741031	1.90	6.84	0.242	10.54	5.99	0.08	0.501	0.083	17.10	99.06	0.3	-99	4	-2	25	0.9	-0.5	-1	-99	-0.2	3.0	39	75	-0.5	8	2.0	1.3	0.47	-99	8.2	16	1.8
701	GS-15-040	7741576	-99	3.92	0.27	8.18	0.03	0.01	0.102	0.34	13.12	99.92	1	-99	40	-5	-3	1	-2	-1	-99	-0.5	21	23	49	-0.5	28	-99	-99	0.4	-99	-99	-99	-99
702	GS-15-041	7741032	7.39	7.20	0.148	4.75	4.86	1.03	0.883	0.242	4.71	98.55	0.1	-99	2	-99	312	0.8	-0.5	-99	-99	-0.2	31.1	32	52	-0.5	3	2.2	1.1	1.04	-99	-99	16	2.6
703	GS-15-043	7741033	9.31	8.88	0.178	5.38	3.85	0.12	0.838	0.062	4.42	98.42	-0.1	-99	3	-99	39	0.3	-0.5	-99	-99	-0.2	5.3	38	182	-0.5	129	2.7	1.9	0.57	-99	-99	11	2.4
704	GS-15-045	7741577	-99	6.07	0.18	13.52	1.66	0.03	0.579	0.05	14.39	99.62	-0.5	-99	36	-5	31	-1	-2	-1	-99	-0.5	28	41	92	-0.5	312	-99	-99	1.2	-99	-99	-99	-99
705	GS-15-046	7741034	16.82	14.96	0.268	8.06	0.05	0.05	5.793	0.531	5.40	98.59	0.2	-99	-2	-2	36	2.0	-0.5	-1	-99	-0.2	86.7	91	845	2.9	193	6.9	2.5	3.07	-99	15.0	22	10.1
706	GS-15-048	7741035	6.60	25.04	0.177	9.12	0.76	0.80	0.503	0.094	3.12	100.80	0.2	-99	-2	-99	240	0.4	-0.5	-99	-99	-0.2	15.0	73	1819	1.2	28	1.5	0.7	0.69	-99	-99	8	2.0
707	GS-15-049	7741036	12.67	7.58	0.257	5.11	4.09	0.70	1.028	0.074	2.96	99.15	0.5	-99	57	-2	170	2.0	-0.5	-1	-99	-0.2	6.0	50	136	0.8	126	3.2	2.0	0.47	-99	10.9	15	2.7
708	GS-15-050	7741578	-99	3.02	0.25	17.40	4.06	0.12	0.677	0.06	17.48	98.51	1.5	-99	4	-5	45	2	-2	-1	-99	-0.5	26	35	96	-0.5	34	-99	-99	0.6	-99	-99	-99	-99
709	GS-15-051	7741037	11.98	5.67	0.240	10.27	4.09	0.18	2.285	0.409	5.79	98.99	-0.1	-99	17	2	50	2.2	-0.5	-1	-99	-0.2	37.7	43	80	0.5	63	6.3	3.7	2.01	-99	11.0	16	6.6
710	GS-15-053	7741038	16.85	5.92	0.482	2.91	2.71	0.30	3.230	0.480	6.16	98.49	0.5	-99	36	4	58	1.6	-0.5	-1	-99	-0.2	21.2	36	19	1.1	166	7.5	4.8	1.01	-99	15.2	21	6.9
711	GS-15-054	7741579	-99	2.39	0.24	19.73	3.95	0.09	0.664	0.06	17.48	98.90	3.1	-99	8	-5	16	1	-2	-1	-99	-0.5	52	48	166	-0.5	330	-99	-99	-0.1	-99	-99	-99	-99
712	GS-15-055	7741041	2.27	9.22	0.220	13.85	5.12	0.08	0.447	0.081	21.88	99.94	0.2	-99	5	-2	13	0.8	-0.5	-1	-99	-0.2	3.0	36	60	-0.5	3	2.0	1.4	0.42	-99	7.2	12	1.6
713	GS-15-056	7741042	3.25	3.81	0.151	6.45	6.74	0.19	0.580	0.045	-99	99.11	0.2	-99	5	-2	44	1.5	-0.5	-1	-99	-0.2	4.0	28	110	-0.5	6	2.1	1.4	0.44	-99	13.2	10	1.7
714	GS-15-057	7741043	9.58	7.74	0.186	9.45	3.18	0.27	0.898	0.064	2.90	100.59	0.1	-99	2	-99	60	0.2	-0.5	-99	-99	-0.2	5.4	43	217	-0.5	137	3.0	1.8	0.51	-99	-99	11	2.4
715	GS-15-058	7741581	-99	0.14	0.039	0.50	3.08	5.63	0.220	-0.01	0.32	99.12	0.8	-99	-5	-99	836	2	-0.4	-99	-99	-99	189	1	-20	-0.5	-10	14.5	9.0	1.47	-99	-99	21	13.5
716	GS-15-059	7741582	-99	0.44	0.067	0.93	7.45	0.11	0.576	0.15	0.47	100.10	1.6	-99	-5	-99	46	3	-0.4	-99	-99	-99	62.7	-1	-20	-0.5	-10	4.6	2.9	1.09	-99	-99	21	5.5
717	GS-15-061	7741044	5.22	3.43	0.190	11.76	1.73	2.73	0.544	0.126	1.72	100.48	-0.1	-99	3	-99	600	0.8	-0.5	-99	-99	-0.2	36.9	27	263	0.5	5	2.0	1.2	0.89	-99	-99	15	2.4
718	GS-15-062	7741045	1.76	1.32	0.092	2.98	5.19	1.05	0.348	0.093	0.67	99.68	-0.1	-99	3	-99	243	1.0	-0.5	-99	-99	-0.2	49.0	4	5	1.2	4	1.3	0.7	0.63	-99	-99	15	2.0
719	GS-15-063	7741046	1.09	-0.01	0.021	0.06	1.17	8.86	0.101	0.007	0.16	98.36	-0.1	-99	3	-99	240	1.4	-0.5	-99	-99	-0.2	118.2	-1	-1	-0.5	2	6.6	4.3	0.24	-99	-99	21	6.7
720	GS-15-064	7741047	-99	0.08	0.038	0.51	4.11	4.35	0.084	0.007	0.27	99.49	-0.1	-99	-2	-2	110	6.6	-0.5	-1	-99	-0.2	10.4	-1	3	3.3	4	5.0	4.3	0.12	-99	0.9	17	3.4
721	GS-15-065	7741048	2.68	0.12	0.043	0.71	2.53	6.47	0.454	0.048	0.16	98.77	-0.1	-99	4	-2	1385	1.2	-0.5	-1	-99	-0.2	178.5	2	3	0.6	6	8.9	5.2	1.88	-99	5.1	21	10.5
722	GS-15-066	7741049	4.92	3.16	0.174	12.85	3.61	1.11	0.554	0.138	2.45	99.44	-0.1	-99	3	-99	416	0.8	-0.5	-99	-99	-0.2	12.1	21	255	-0.5	8	1.5	0.9	0.42	-99	-99	13	1.3
723	GS-15-067	7741583	-99	1.62	0.072	1.32	8.88	0.16	0.317	0.04	0.86	100.30	3.1	-99	10	-99	1086	8	-0.4	-99	-99	-99	433	6	-20	1.7	-10	15.7	10.9	2.24	-99	-99	21	15.1
724	GS-15-068	7741051	1.89	0.36	0.054	1.05	5.26	3.63	0.445	0.074	0.38	98.86	-0.1	-99	3	-99	1654	1.3	-0.5	-99	-99	-0.2	73.6	3	-1	-0.5	3	6.5	4.0	1.43	-99	-99	22	6.5
725	GS-15-069	7741052	2.34	0.38	0.061	0.93	4.11	4.59	0.502	0.110	0.32	98.58	-0.1	-99	6	-99	1545	2.7	-0.5	-99	-99	-0.2	157.9	4	4	1.0	4	8.4	4.9	1.95	-99	-99	24	9.5
726	GS-15-070	7741053	7.69	4.28	0.165	6.93	5.20	2.15	2.122	1.561	0.88	98.70	-0.1	-99	7	-99	1323	1.8	-0.5	-99	-99	-0.2	127.9	26	83	0.6	19	5.6	2.3	3.42	-99	-99	22	8.6
727	GS-15-071	7741584	-99	0.56	0.062	1.26	7.23	0.15	0.525	0.10	0.23	99.69	1.9	-99	-5	-99	429	6	-0.4	-99	-99	-99	161	3	-20	-0.5	-10	11.3	6.8	1.95	-99	-99	20	10.7
728	GS-15-072	7741055	1.90	0.28	0.055	0.50	3.86	5.23	0.475	0.107	0.20	98.66	-0.1	-99	4	-99	1026	1.6	-0.5	-99	-99	0.2	120.4	2	3	-0.5	6	7.6	4.3	1.57	-99	-99	20	8.3
729	GS-15-073	7741056	2.11	0.32	0.044	1.73	3.77	4.46	0.555	0.142	0.35	99.03	-0.1	-99	4	-99	1390	1.4	-0.5	-99	-99	-0.2	117.1	2	3	-0.5	8	6.8	4.2	1.64	-99	-99	22	7.0
730	GS-15-074	7741057	0.63	0.02	0.016	0.32	2.34	6.64	0.130	0.007	0.36	99.32	-0.1	-99	4	-99	226	2.1	-0.5	-99	-99	-0.2	185.4	-1	3	-0.5	3	8.6	5.3	0.41	-99	-99	24	9.9
731	GS-15-075	7741058	3.41	1.07	0.167	2.18	6.82	1.13	0.626	0.152	0.30	99.36	-0.1	-99	4	-2	1154	2.4	-0.5	-1	-99	0.3	140.5	5	4	-0.5	7	10.5	6.8	2.10	-99	4.7	23	9.5
732	GS-15-076	7741059	2.17	0.41	0.072	1.26	3.96	4.71	0.530	0.121	0.42	99.43	-0.1	-99	5	-99	1724	2.8	-0.5	-99	-99	-0.2	135.3	3	7	-0.5	7	7.5	4.4	1.81	-99	-99	21	8.0
733	GS-15-077	7741061	1.42	0.15	0.050	0.52	1.54	7.92	0.214	0.014	0.53	98.88	-0.1	-99	8	-99	796	1.9	-0.5	-99	-99	0.2	241.8	-1	3	-0.5	13	17.3	10.9	1.84	-99	-99	26	17.5
734	GS-15-078	7741062	2.78	0.85	0.113	2.61	4.15	4.01	0.472	0.096	0.37	98.94	-0.1	-99	5	-2	572	1.9	-0.5	-1	-99	-0.2	112.9	3	5	-0.5	4	7.6	5.1	1.41	-99	3.3	23	7.8
735	GS-15-079	7741585	-99	0.86	0.110	2.61	3.40	7.23	0.345	0.17	0.17	99.43	0.7	-99	-5	-99	1391	2	-0.4	-99	-99	-99	112	4	-20	0.9	30	4.1	2.5	1.19	-99	-99	17	4.7
736	GS-15-080	7741586	-99	0.15	0.033	0.24	2.01	6.55	0.255	0.01	0.13	100.60	1.1	-99	-5	-99	753	1	-0.4	-99	-99	-99	186	-1	-20	-0.5	30	9.1	4.7	0.9	-99	-99	18	10.1
737	GS-15-082	7741063	1.62	0.21	0.041	0.67	3.46	5.21	0.321	0.041	0.35	98.77	-0.1	-99	5	-99	1494	2.6	-0.5	-99	-99	-0.2	134.6	3	3	0.8	7	6.8	4.0	1.24	-99	-99	22	7.6
738	GS-15-083	7741064	1.88	0.47	0.045	1.52	4.46	5.79	0.428	0.068	0.44	98.37	-0.1	-99	4	-99	947	1.2	-0.5	-99	-99	-0.2	161.3	2	3	1.8	3	7.9	4.5	1.60	-99	-99	20	8.8
739	GS-15-084	7741065	1.85	0.30	0.062	0.54	3.77	5.32	0.388	0.055	0.29	97.68	-0.1	-99	4	-99	1865	2.4	-0.5	-99	-99	-0.2	167.5	2	2	1.0	8	7.7	4.7	1.83	-99	-99	23	9.6
740	GS-15-085	7741066	2.35	0.19	0.049	0.41	3.50	5.36	0.348	0.049	0.41	98.14	-0.1	-99	6	-99	1401	2.8	-0.5	-99	-99	-0.2	162.1	2	3	1.8	10	8.2	4.7	1.38	-99	-99	23	9.3
741	GS-15-086	7741067	5.72	3.50	0.141	5.99	3.44	2.88	1.484	1.069	1.11	98.25	-0.1	-99	3	-99	1812	1.7	-0.5	-99	-99	-0.2	170.2	23	71	2.1	26	6.3	3.1	3.38	-99	-99	23	9.0

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
742	GS-15-087	7741068	1.65	0.33	0.016	1.18	3.17	5.08	0.149	0.026	0.55	98.01	-0.1	-99	2	-99	513	2.3	-0.5	-99	-99	-0.2	69.4	2	7	1.8	95	3.3	2.4	0.54	-99	-99	16	3.6
743	GS-15-088	7741587	-99	0.59	0.063	1.65	4.90	2.68	0.710	0.17	0.02	99.10	1.8	-99	-5	-99	1083	3	-0.4	-99	-99	-99	147	5	-20	0.7	-10	10.1	6.1	2.58	-99	-99	19	10.1
744	GS-15-089	7741588	-99	0.70	0.090	2.61	9.17	0.49	0.550	0.16	0.17	100.50	1.5	-99	-5	-99	1112	4	0.4	-99	-99	-99	136	4	-20	-0.5	-10	7	4.0	2.1	-99	-99	28	7.8
745	GS-15-090	7741069	2.48	0.42	0.076	2.01	3.62	5.12	0.663	0.165	0.24	99.44	-0.1	-99	2	-99	1814	2.3	-0.5	-99	-99	0.2	132.5	4	4	0.8	4	9.8	5.9	2.67	-99	-99	23	10.2
746	GS-15-091	7741071	1.82	0.21	0.037	0.83	2.04	7.81	0.375	0.054	0.33	99.17	-0.1	-99	4	-99	1581	1.3	-0.5	-99	-99	-0.2	183.0	2	4	0.6	22	9.8	6.0	2.38	-99	-99	24	10.8
747	GS-15-092	7741072	1.25	0.09	0.019	0.58	3.46	4.54	0.219	0.017	0.25	99.08	-0.1	-99	2	-99	925	2.2	-0.5	-99	-99	-0.2	135.9	-1	5	0.7	6	6.6	4.1	0.70	-99	-99	21	7.0
748	GS-15-093	7741073	1.34	0.10	0.032	0.48	3.21	5.28	0.218	0.019	0.34	98.79	-0.1	-99	5	-99	826	2.7	-0.5	-99	-99	-0.2	154.6	-1	3	1.2	3	6.3	3.8	0.87	-99	-99	18	7.5
749	GS-15-094	7741074	1.54	0.36	0.036	1.66	4.13	2.62	0.170	0.019	0.27	99.78	-0.1	-99	3	-99	438	3.2	-0.5	-99	-99	0.4	164.0	11	13	-0.5	17	13.5	9.4	0.51	-99	-99	22	11.8
750	GS-15-095	7741075	1.83	0.23	0.048	0.78	3.24	5.89	0.395	0.060	0.41	99.04	-0.1	-99	6	-99	1813	2.5	-0.5	-99	-99	-0.2	161.6	2	3	3.4	6	7.9	4.9	1.70	-99	-99	24	9.1
751	GS-15-096	7741076	2.60	0.23	0.057	0.75	3.45	5.11	0.386	0.059	0.39	99.67	-0.1	-99	7	-99	1678	2.8	-0.5	-99	-99	-0.2	143.0	2	3	2.8	4	7.7	4.7	1.59	-99	-99	25	8.2
752	GS-15-097	7741077	1.05	0.26	0.054	2.73	2.68	4.69	0.263	0.025	0.28	99.26	-0.1	-99	10	-99	1258	1.3	-0.5	-99	-99	-0.2	191.7	2	6	0.9	19	11.5	7.8	1.65	-99	-99	20	11.8
753	GS-15-098	7741078	1.47	0.08	0.023	1.59	1.48	12.18	0.440	0.065	0.26	98.42	-0.1	-99	5	-99	2957	1.0	-0.5	-99	-99	-0.2	181.2	-1	2	0.6	1	8.2	4.8	1.97	-99	-99	19	9.8
754	GS-15-099	7741079	1.70	0.28	0.045	0.39	4.32	4.50	0.392	0.069	0.23	98.43	0.5	-99	5	-99	1563	2.2	-0.5	-99	-99	-0.2	143.3	2	2	0.9	6	6.2	3.7	1.36	-99	-99	22	7.6
755	GS-15-100	7741081	2.03	0.43	0.060	0.76	3.67	5.35	0.444	0.087	0.35	99.69	-0.1	-99	5	-99	1784	2.1	-0.5	-99	-99	-0.2	149.9	3	5	1.0	5	7.2	4.3	1.57	-99	-99	24	8.4
756	GS-15-101	7741082	1.67	0.33	0.077	1.67	5.03	3.53	0.452	0.097	0.27	99.75	-0.1	-99	4	-99	1170	2.4	-0.5	-99	-99	-0.2	146.5	6	3	-0.5	6	7.4	4.4	1.47	-99	-99	23	7.6
757	GS-15-102	7741083	1.64	0.34	0.047	0.88	3.11	6.31	0.352	0.054	0.28	97.71	-0.1	-99	5	-99	1874	1.5	-0.5	-99	-99	-0.2	90.3	2	3	-0.5	5	5.5	3.5	0.98	-99	-99	19	5.3
758	GS-15-103	7741084	2.82	0.40	0.057	1.21	3.61	5.07	0.494	0.111	0.71	97.83	-0.1	-99	5	-99	1593	2.5	-0.5	-99	-99	-0.2	145.0	3	3	1.8	6	7.4	4.2	1.73	-99	-99	24	8.6
759	GS-15-104	7741085	2.06	0.37	0.055	0.96	3.78	4.98	0.503	0.116	0.25	99.28	-0.1	-99	6	-99	1519	2.4	-0.5	-99	-99	-0.2	115.8	3	3	1.0	3	6.0	3.7	1.24	-99	-99	20	6.8
760	GS-15-105	7741086	2.02	0.36	0.066	2.31	3.49	4.39	0.503	0.118	0.26	99.69	-0.1	-99	4	-99	1298	2.0	-0.5	-99	-99	-0.2	104.4	5	4	-0.5	6	6.5	4.1	1.22	-99	-99	18	6.7
761	GS-15-106	7741087	1.18	0.15	0.042	0.47	3.86	4.76	0.077	0.010	0.36	99.89	-0.1	-99	2	-99	201	3.9	-0.5	-99	-99	-0.2	38.4	-1	3	1.8	3	3.9	2.6	0.26	-99	-99	17	3.2
762	GS-15-107	7741088	2.01	0.40	0.062	1.37	3.72	5.12	0.519	0.115	0.18	98.13	-0.1	-99	5	-99	2194	2.6	-0.5	-99	-99	-0.2	136.6	4	4	-0.5	7	7.2	4.4	1.65	-99	-99	21	8.0
763	GS-15-108	7741089	1.57	0.23	0.038	0.56	3.50	5.17	0.323	0.051	0.29	97.38	-0.1	-99	6	-99	804	2.1	-0.5	-99	-99	-0.2	116.3	1	2	-0.5	5	6.1	3.8	0.95	-99	-99	20	6.5
764	GS-15-109	7741091	1.82	0.30	0.051	0.84	3.84	5.07	0.422	0.074	0.27	98.40	-0.1	-99	5	-99	2100	2.7	-0.5	-99	-99	-0.2	144.8	2	4	0.7	5	7.1	3.9	1.34	-99	-99	22	7.1
765	GS-15-111	7741092	1.34	0.23	0.035	1.40	6.25	1.65	0.382	0.069	0.34	98.63	-0.1	-99	6	-99	560	1.7	-0.5	-99	-99	-0.2	146.0	3	4	-0.5	4	6.8	4.1	1.35	-99	-99	23	7.5
766	GS-15-112	7741093	1.34	0.04	0.014	0.31	0.92	9.36	0.295	0.034	0.45	98.81	-0.1	-99	5	-99	1237	3.0	-0.5	-99	-99	-0.2	109.5	-1	4	0.6	3	5.6	3.4	0.86	-99	-99	18	6.1
767	GS-15-114	7741094	0.59	0.02	0.037	0.17	1.97	8.34	0.413	0.067	0.23	99.00	-0.1	-99	4	-99	1574	1.6	-0.5	-99	-99	-0.2	112.3	2	4	-0.5	3	6.0	3.6	1.30	-99	-99	19	6.8
768	GS-15-115	7741095	0.52	0.05	0.056	0.27	4.94	3.19	0.080	0.003	0.43	97.66	-0.1	-99	3	-99	224	5.5	-0.5	-99	-99	-0.2	110.5	-1	3	-0.5	3	8.2	5.1	0.34	-99	-99	26	8.8
769	GS-15-117	7741096	2.04	0.26	0.117	0.50	4.13	8.81	0.428	0.054	0.20	98.13	-0.1	-99	7	-99	1570	1.6	-0.5	-99	-99	0.3	347.2	2	7	-0.5	13	18.3	11.3	3.62	-99	-99	36	21.2
770	GS-15-118	7741097	1.21	0.09	0.241	0.36	2.24	7.45	0.389	0.064	0.20	98.57	0.4	-99	4	-99	1100	2.8	-0.5	-99	-99	-0.2	146.5	3	2	-0.5	22	7.1	4.4	1.37	-99	-99	21	8.2
771	GS-15-119	7741589	-99	0.31	0.307	1.48	9.39	0.08	0.527	0.12	0.47	100.50	2.5	-99	-5	-99	85	3	0.4	-99	-99	-99	251	2	-20	-0.5	-10	13.4	7.2	2.72	-99	-99	24	15.4
772	GS-15-121	7741591	-99	0.48	0.082	4.49	7.20	2.15	0.179	-0.01	0.99	100.30	1.2	-99	-5	-99	1216	8	1	-99	-99	-99	293	3	-20	-0.5	-10	35.8	20.9	0.35	-99	-99	30	26.4
773	GS-15-122	7741592	-99	0.28	0.109	2.33	5.05	5.94	0.493	0.01	0.54	99.06	2.5	-99	-5	-99	957	3	-0.4	-99	-99	-99	214	2	-20	1.2	30	9.6	5.8	1.93	-99	-99	25	10.6
774	GS-15-123	7741099	1.00	0.16	0.018	0.51	4.27	5.04	0.157	0.024	0.28	98.75	-0.1	-99	2	-99	1517	1.8	-0.5	-99	-99	-0.2	74.5	2	4	-0.5	3	4.1	2.8	0.63	-99	-99	16	3.9
775	GS-15-124	7741101	4.42	1.18	0.092	2.87	3.73	3.16	0.836	0.268	1.59	98.50	-0.1	-99	4	-99	1504	1.8	-0.5	-99	-99	-0.2	187.3	9	20	0.5	8	6.7	3.9	2.25	-99	-99	22	8.6
776	GS-15-126	7741102	1.95	0.13	0.029	1.13	3.72	6.36	0.343	0.030	0.39	98.75	-0.1	-99	4	-99	2560	0.7	-0.5	-99	-99	-0.2	193.7	-1	5	0.5	4	6.3	3.6	2.82	-99	-99	21	8.5
777	GS-15-128	7741103	2.46	2.62	0.123	4.56	8.87	0.34	1.057	0.241	1.50	99.15	-0.1	-99	10	-99	310	5.1	-0.5	-99	-99	-0.2	92.1	16	15	-0.5	7	5.8	3.0	2.71	-99	-99	20	7.3
778	GS-15-129	7741104	1.24	2.09	0.108	4.16	8.96	0.19	1.113	0.552	2.78	100.55	-0.1	-99	26	-99	932	8.7	-0.5	-99	-99	-0.2	102.9	16	20	-0.5	4	7.1	3.8	2.68	-99	-99	21	8.4
779	GS-15-130	7741105	4.89	5.46	0.127	5.99	6.69	1.43	0.895	0.297	1.26	98.98	0.3	-99	10	-99	1129	0.8	-0.5	-99	-99	-0.2	59.8	28	81	2.6	65	2.1	1.1	1.72	-99	-99	19	3.2
780	GS-15-131	7741106	1.09	0.16	0.075	2.60	6.50	5.49	0.422	0.002	1.53	98.01	-0.1	-99	5	-99	904	1.2	-0.5	-99	-99	-0.2	201.3	-1	4	0.6	16	11.7	7.5	1.36	-99	-99	19	11.6
781	GS-15-132	7741107	1.58	0.03	0.027	0.60	5.68	7.30	0.233	0.009	0.46	98.92	-0.1	-99	9	-99	159	1.9	-0.5	-99	-99	-0.2	288.5	1	5	0.7	4	21.5	13.5	0.20	-99	-99	36	21.1
782	GS-15-133	7741108	3.00	0.78	0.097	2.08	4.09	5.07	0.772	0.221	0.56	99.28	-0.1	-99	7	-99	889	3.5	-0.5	-99	-99	-0.2	148.5	6	2	1.6	10	9.1	5.7	1.65	-99	-99	24	10.1
783	GS-15-135	7741109	0.61	0.02	0.015	0.32	3.51	3.39	0.134	0.003	0.25	98.35	-0.1	-99	3	-99	111	1.7	-0.5	-99	-99	-0.2	64.9	-1	2	-0.5	3	6.1	4.5	0.12	-99	-99	16	4.7
784	GS-15-136	7741111	1.09	1.61	0.086	2.09	5.30	1.51	0.261	0.032	0.44	98.26	-0.1	-99	14	-99	460	3.2	-0.5	-99	-99	-0.2	155.3	6	20	-0.5	3	8.8	5.4	0.66	-99	-99	24	10.2
785	GS-15-138	7741112	1.98	0.05	0.062	0.69	3.66	5.01	0.245	0.011	0.50	98.28	-0.1	-99	6	-99	134	5.3	-0.5	-99	-99	0.2	257.9	-1	4	0.7	15	14.1	8.8	0.42	-99	-99	31	14.9
786	GS-15-139	7741113	1.33	0.16	0.021	0.56	4.33	4.31	0.093	0.014	0.42	99.79	-0.1	-99	5	-99	144	2.0	-0.5	-99	-99	-0.2	75.2	-1	3	-0.5	7	7.7	5.2	0.17	-99	-99	18	6.9
787	GS-15-141	7741593	-99	3.53	0.21	8.21	6.90	0.14	0.973	0.30	5.20	100.20	1.9	-99	8	-5	315	5	-2	-1	-99	-0.5	136	25	29	-0.5	2	-99	-99	-0.1	-99	-99	-99	-99
788	GS-15-142	7741594	-99	2.30	0.140	5.37	7.97	0.13	0.947	0.28	1.46	99.59	1.4	-99	7	-99	286	13	-0.4	-99	-99	-99	111	15	-20	-0.5	70	6.3	3.5	2.76	-99	-99	26	7.2
789	GS-15-143	7741114	7.29	8.04	0.212	9.23	3.83	1.28	1.157	0.178	1.56	99.78	-0.1	-99	6	-99	710	0.8	-0.5	-99	-99	-0.2	20.0	47	152	2.2	33	3.6	2.2	1.16	-99	-99	16	3.3
790	GS-15-144	7741115	3.34	0.97	0.099	2.44	3.82	4.96	0.818	0.233	0.45	98.98	-0.1	-99	8	-99	993	3.0	-0.5	-99	-99	-0.2	142.7	6	5	1.8	11	9.2	5.6	1.94	-99	-99	26	10.1
791	GS-15-145	7741595	-99	2.79	0.110	5.47	7.20	0.50	1.138	0.28	0.94	99.66	1.2	-99	7	-99	857	4	-0.4	-99	-99	-99	113	20	-20	0.8	50	6.7	3.7	2.9	-99	-99	23	7.8
792	GS-15-147	7741116	2.56	1.52	0.068	2.86	3.83	4.78	0.634	0.182	0.69	99.13	-0.1	-99	5	-99	626	2.5	-0.5	-99	-99	-0.2	81.7	10	36	3.6	10	4.1	2.4	1.33	-99	-99	20	4.9
793	GS-15-148	7741117	2.87	2.09	0.132	4.48	8.83	0.18	1.139	0.369	0.56	100.41	0.3	-99	16	-99	602	4.2	-0.5	-99	-99	-0.2	96.5	15	17	-0.5	16	5.1	2.7	2.13	-99	-99	24	6.2
794	GS-15-149	7741118	1.09	2.20	0.075	4.15	5.31	5.65	1.001	0.437	2.48	100.61	0.2	-99	14	-99	2418	2.4	-0.5	-99	-99	-0.2	41.2	15	88	1.6	4	3.2	1.9	1.26	-99	-99	17	3.6
795	GS-15-150	7741119	4.43	10.44	0.149	7.07	2.71	3.51	0.821	0.360	2.00	99.48	-0.1	-99	7	-99	610	1.8	-0.5	-99	-99	-0.2	34.0	34	651	4.7	13	2.6	1.4	1.02	-99	-99	16	3.0
796	GS-15-151	7741121	0.86	0.33	0.039	0.63	4.86	2.18	0.158	0.038	0.37	99.53	-0.1	-99	10	-99	570	1.8	-0.5	-99	-99	-0.2	85.1	-1	9	-0.5	8	5.3	3.6	0.37	-99	-99	16	5.5
797	GS-15-152	7741122	1.10	0.01	0.038	0.39	0.69	9.60	0.205	0.036	0.41	98.37	-0.1	-99	6	-99	316	0.8	-0.5	-99	-99	-0.2	183.8	-1	3	-0.5	4	10.1	6.1	0.66	-99	-99	22	10.5
798	GS-15-153	7741123	0.89	-0.01	0.034	0.26	0.85	9.28	0.207	0.034	0.26	98.67	-0.1	-99	6	-99	207	0.8	-0.5	-99	-99	-0.2	173.1	1	6	-0.5	13	6.9	4.5	0.61	-99	-99	19	8.2

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	FeO	MgO	MnO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	F	Fe	Ga	Gd
Unit			wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit											GOI=-100																							
Lower Detection Limit			0.01	0.01	0.001, 0.01	0.01	0.01	0.01	0.001	0.001, 0.01	0.01		0.1 to 5	0.01	0.1 to 5	2, 5	1 to 100	0.1, 1	0.02 to 2	0.5, 1	0.01, 1	0.1 to 0.5	3	1, 5	1 to 20	0.05 to 2	1, 10	0.1	0.1	0.1 to 1	5	0.02, 0.1	0.1, 1	0.1
799	GS-15-154	7741124	6.57	3.28	0.535	6.85	3.74	5.16	2.572	0.921	4.71	99.28	-0.1	-99	37	-99	384	8.6	-0.5	-99	-99	-0.2	45.3	44	64	1.2	3	6.3	3.7	1.75	-99	-99	13	6.7
800	GS-15-155	7741125	0.88	0.12	0.058	0.40	5.26	4.14	0.317	0.050	0.19	98.03	-0.1	-99	11	-99	190	3.6	-0.5	-99	-99	-0.2	164.0	4	22	-0.5	22	7.8	5.4	0.70	-99	-99	22	8.1
801	GS-15-156	7741596	-99	0.19	0.15	0.63	7.59	0.14	0.214	0.01	0.60	100.10	1.3	-99	-2	-5	306	7	-2	-1	-99	-0.5	173	-1	14	-0.5	4	-99	-99	-0.1	-99	-99	-99	-99
802	GS-15-158	7741597	-99	4.18	0.13	5.92	5.39	1.05	2.128	0.29	6.29	98.58	3.4	-99	-2	-5	170	2	-2	-1	-99	-0.5	176	54	219	-0.5	40	-99	-99	-0.1	-99	-99	-99	-99
803	GS-15-159	7741598	-99	1.91	0.09	4.74	7.88	0.13	1.075	0.13	4.12	99.21	0.6	-99	7	-5	1180	1	-2	-1	-99	-0.5	42	13	91	-0.5	6	-99	-99	0.5	-99	-99	-99	-99
804	GS-15-160	7741599	-99	6.01	0.24	6.51	1.27	3.51	2.923	0.40	4.74	99.38	10.7	-99	10	25	357	5	-2	-1	-99	-0.5	140	67	276	-0.5	1750	-99	-99	-0.1	-99	-99	-99	-99
805	GS-15-161	7741601	-99	1.53	0.14	6.25	7.67	0.19	0.280	0.05	5.88	99.41	22	-99	15	167	317	2	-2	-1	-99	-0.5	302	19	167	-0.5	408	-99	-99	-0.1	-99	-99	-99	-99
806	GS-15-162	7741602	-99	0.17	0.05	0.81	6.33	0.21	0.197	0.04	1.13	98.66	-0.5	-99	-2	-5	619	-1	-2	-1	-99	-0.5	50	-1	41	-0.5	6	-99	-99	0.6	-99	-99	-99	-99
807	GS-15-163	7741126	6.15	8.37	0.258	11.73	0.14	3.72	0.724	0.323	19.81	98.83	0.5	-99	2	-99	685	4.7	-0.5	-99	-99	-0.2	46.0	40	562	3.3	145	2.5	1.6	1.18	-99	-99	12	3.3
808	GS-15-164	7741127	6.37	7.15	0.318	23.73	0.07	1.59	0.323	0.024	29.36	98.98	0.2	-99	-2	-99	36	0.5	-0.5	-99	-99	-0.2	6.0	19	114	0.8	60	2.4	1.4	0.58	-99	-99	6	2.3
809	GS-15-165	7741128	2.51	6.36	0.146	11.70	2.69	1.88	1.214	1.026	16.75	98.10	-0.1	-99	10	-99	2087	1.8	-0.5	-99	-99	-0.2	219.3	30	283	1.1	3	4.3	1.8	3.71	-99	-99	18	8.9
810	GS-15-166	7741603	-99	3.36	0.11	10.42	5.59	0.10	2.627	0.67	9.39	99.06	1.2	-99	9	-5	64	2	-2	-1	-99	-0.5	170	39	204	-0.5	9	-99	-99	1.4	-99	-99	-99	-99
811	GS-15-167	7741129	1.87	1.36	0.120	4.70	4.37	4.59	0.865	0.366	2.47	98.93	-0.1	-99	30	-2	1208	2.8	-0.5	-1	-99	-0.2	98.0	4	12	4.1	9	5.3	3.1	1.70	-99	4.6	23	6.4
812	GS-15-168	7741131	0.92	0.04	0.004	0.19	3.59	6.58	0.462	0.034	0.75	97.65	0.2	-99	6	-2	1557	1.6	-0.5	-1	-99	-0.2	7.8	-1	3	3.1	2	1.1	0.8	0.43	-99	0.9	10	1.1
813	GS-15-169	7741132	11.88	5.66	0.211	7.90	2.51	2.37	2.733	0.482	0.87	99.06	0.1	-99	14	-99	704	1.1	-0.5	-99	-99	-0.2	68.6	53	94	1.9	51	8.1	4.6	2.69	-99	-99	23	8.4
814	GS-15-170	7741133	0.97	0.52	0.038	1.40	4.18	4.86	0.377	0.064	1.28	98.81	-0.1	-99	6	-99	1132	2.2	-0.5	-99	-99	-0.2	90.1	2	4	1.9	2	4.1	2.5	0.95	-99	-99	18	4.5
815	GS-15-171	7741134	2.16	9.32	0.149	8.29	2.11	2.08	0.765	0.198	2.92	100.21	-0.1	-99	-2	-99	518	0.9	-0.5	-99	-99	-0.2	24.7	33	589	2.2	56	2.5	1.4	0.96	-99	-99	14	2.8
816	GS-15-172	7741135	4.52	7.93	0.157	9.02	1.75	4.19	0.732	0.276	1.75	100.02	-0.1	-99	5	-99	1157	1.7	-0.5	-99	-99	-0.2	39.4	34	469	1.4	143	3.6	1.9	1.29	-99	-99	15	4.3
817	GS-15-173	7741136	1.03	0.60	0.024	0.53	1.30	6.68	0.369	0.037	1.36	99.07	0.7	-99	5	-99	856	4.6	-0.5	-99	-99	-0.2	132.3	2	8	3.1	3	8.4	5.5	0.83	-99	-99	21	8.8
818	GS-15-174	7741604	-99	0.17	0.313	0.29	1.65	5.52	0.141	-0.01	1.24	99.57	4.1	-99	-5	-99	214	6	1	-99	-99	-99	128	1	-20	1.7	20	9.1	7.1	0.31	-99	-99	23	7.8
819	GS-15-175	7741605	-99	0.05	0.059	0.27	2.32	4.91	0.132	-0.01	0.43	100.30	3.6	-99	6	-99	89	11	-0.4	-99	-99	-99	39.1	-1	-20	1.3	-10	6	5.3	0.22	-99	-99	23	3.8
820	GS-15-176	7741606	-99	0.05	0.015	0.07	2.21	5.54	0.132	-0.01	0.18	99.15	3	-99	-5	-99	107	5	-0.4	-99	-99	-99	99.1	-1	-20	0.7	-10	13.4	9.7	0.33	-99	-99	24	9.7
821	GS-15-177	7741137	1.56	0.28	0.070	0.51	1.83	8.60	0.168	0.041	1.00	97.71	4.6	-99	3	-99	384	5.8	-0.5	-99	-99	-0.2	107.1	1	2	2.2	54	17.0	12.1	0.48	-99	-99	29	13.9
822	GS-15-178	7741138	1.31	0.03	0.043	1.34	2.16	2.58	0.123	0.009	0.78	98.07	2.4	-99	3	-2	90	11.2	-0.5	-1	-99	-0.2	104.5	-1	18	-0.5	2	10.8	7.3	0.20	-99	2.1	19	9.4
823	GS-15-180	7741607	-99	0.04	0.03	0.20	3.15	5.20	0.141	0.01	0.28	99.37	3.6	-99	5	-5	407	65	-2	-1	-99	-0.5	87	-1	14	2	28	-99	-99	-0.1	-99	-99	-99	-99
824	GS-15-181	7741608	-99	0.15	0.055	0.38	0.93	2.47	0.135	-0.01	0.14	100.10	3.8	-99	-5	-99	148	8	-0.4	-99	-99	-99	134	-1	70	0.6	20	14.3	9.8	0.49	-99	-99	11	12
825	GS-15-182	7741609	-99	0.71	0.182	1.55	2.44	8.51	1.039	0.34	0.70	99.48	1.4	-99	8	-99	1067	6	1.7	-99	-99	-99	130	4	1540	2.4	-10	16.7	9.5	1.16	-99	-99	37	15.7
826	GS-15-183	7741139	1.09	0.06	0.017	0.18	4.78	3.39	0.131	0.011	0.15	98.08	0.3	-99	2	-99	134	1.6	-0.5	-99	-99	-0.2	53.8	-1	16	-0.5	3	4.2	3.0	0.23	-99	-99	22	4.2
827	GS-15-184	7741141	0.98	0.20	0.043	0.32	5.29	2.75	0.102	0.012	0.24	99.66	0.6	-99	2	-99	148	2.3	-0.5	-99	-99	-0.2	40.8	-1	4	-0.5	3	2.8	2.1	0.06	-99	-99	20	2.6
828	GS-15-186	7741611	-99	0.20	0.04	0.35	5.46	3.03	0.301	0.03	0.50	98.72	3.2	-99	6	-5	279	4	-2	-1	-99	18.2	141	-1	95	-0.5	204	-99	-99	-0.1	-99	-99	-99	-99
829	GS-15-188	7741612	-99	0.56	0.163	4.03	2.76	7.91	0.301	0.05	0.56	98.68	3.8	-99	-5	-99	722	7	-0.4	-99	-99	-99	247	7	350	1.3	10	26.2	16.8	1.09	-99	-99	31	22.5
830	GS-15-190	7741142	1.14	0.34	0.045	0.64	4.62	5.27	0.243	0.035	0.55	98.71	-0.1	-99	5	-99	234	5.6	-0.5	-99	-99	-0.2	145.4	-1	3	3.1	13	5.4	3.6	0.33	-99	-99	23	5.6
831	GS-15-191	7741143	1.43	0.21	0.043	0.87	3.85	4.32	0.156	0.023	0.33	99.14	-0.1	-99	3	-99	288	2.5	-0.5	-99	-99	-0.2	92.8	-1	7	1.1	9	3.2	2.1	0.28	-99	-99	17	3.5
832	GS-15-192	7741613	-99	2.66	0.068	3.85	5.10	1.58	0.413	0.08	0.55	99.92	3.2	-99	-5	-99	978	5	1	-99	-99	-99	59.5	9	50	-0.5	2210	4.3	2.6	0.91	-99	-99	17	4.5
833	GS-15-193	7741614	-99	0.38	0.102	3.02	8.80	0.07	0.494	0.02	0.61	98.66	4.9	-99	-5	-99	105	10	-0.4	-99	-99	-99	170	-1	-20	-0.5	10	8.6	4.7	4.54	-99	-99	25	9.7
834	GS-15-195	7741615	-99	3.09	0.13	6.06	7.95	0.14	0.750	0.18	4.30	100.30	4.4	-99	-2	-5	144	9	-2	-1	-99	-0.5	87	25	210	-0.5	536	-99	-99	-0.1	-99	-99	-99	-99
835	GS-15-196	7741144	3.13	2.83	0.103	3.68	8.24	1.12	0.715	0.192	2.86	99.99	1.5	-99	4	-99	714	3.2	-0.5	-99	-99	-0.2	78.3	26	139	1.5	46	3.2	1.7	1.17	-99	-99	19	3.7
836	GS-15-197	7741145	0.49	0.20	0.027	0.83	3.13	5.82	0.101	0.009	0.86	98.66	-0.1	-99	6	-99	110	1.9	-0.5	-99	-99	-0.2	141.9	-1	3	-0.5	4	9.0	5.5	0.06	-99	-99	20	9.5
837	GS-15-198	7741146	0.75	0.27	0.038	0.70	7.35	0.10	0.409	0.061	0.68	98.09	0.3	-99	5	-99	2341	3.9	-0.5	-99	-99	-0.2	195.3	-1	5	-0.5	6	6.3	4.1	2.19	-99	-99	30	9.2
838	GS-15-199	7741147	14.14	15.65	0.255	7.24	0.05	0.08	5.382	0.507	6.18	98.69	0.5	-99	5	3	68	1.9	-0.5	-1	-99	-0.2	91.6	99	797	4.0	203	7.3	2.6	3.84	-99	14.9	26	10.6
839	GS-15-200	7741148	12.55	15.49	0.247	10.28	0.09	0.11	5.277	0.498	5.41	99.31	0.5	-99	-2	2	103	1.9	-0.5	-1	-99	-0.2	90.7	103	778	5.5	204	7.2	2.6	3.52	-99	14.6	25	10.3
840	GS-15-201	7741149	6.84	13.85	0.245	28.28	0.04	0.27	0.057	0.013	40.94	99.55	0.2	-99	3	7	29	-0.1	-0.5	-1	-99	-0.2	1.9	10	15	-0.5	7	0.7	0.3	0.15	-99	5.5	2	0.6
841	GS-15-202	7741151	-99	0.63	0.053	4.81	3.87	0.11	0.294	0.060	4.49	98.49	-0.1	-99	3	-2	1324	0.4	-0.5	-1	-99	-0.2	48.4	5	25	-0.5	16	2.9	1.8	0.67	-99	1.4	10	3.0
842	GS-15-203	7741616	-99	5.47	0.18	10.66	4.51	0.11	0.848	0.07	11.33	99.91	-0.5	-99	-2	-5	89	2	-2	-1	-99	-0.5	19	51	236	-0.5	69	-99	-99	-0.1	-99	-99	-99	-99
843	GS-15-204	7741152	6.83	6.29	0.144	5.99	1.77	2.54	0.670	0.138	8.74	99.18	0.1	-99	11	-99	410	0.8	-0.5	-99	-99	-0.2	19.9	35	39	2.4	11	2.6	1.6	0.71	-99	-99	16	2.6
844	MG-15-011	7741617	-99	5.57	0.14	8.48	3.81	1.20	0.869	0.07	14.19	99.37	-0.5	-99	12	-5	60	2	-2	-1	-99	-0.5	9	46	264	-0.5	152	-99	-99	-0.1	-99	-99	-99	-99
845	MG-15-015	7741618	-99	5.35	0.16	12.65	6.13	0.04	0.606	0.05	17.07	99.32	2.1	-99	6	-5	20	1	-2	-1	-99	-0.5	11	38	226	-0.5	799	-99	-99	-0.1	-99	-99	-99	-99
846	MG-15-018	7741619	-99	5.02	0.18	11.12	1.13	1.14	1.153	0.11	17.49	100.00	-0.5	-99	12	-5	42	2	-2	-1	-99	-0.5	19	34	102	-0.5	95	-99	-99	0.9	-99	-99	-99	-99
847	MG-15-019	7741621	-99	4.97	0.14	11.62	4.84	0.35	1.062	0.11	17.68	98.80	-0.5	-99	4	-5	22	2	-2	-1	-99	-0.5	15	36	178	-0.5	83	-99	-99	0.6	-99	-99	-99	-99
848	MG-15-020	7741622	-99	5.69	0.17	10.72	5.88	0.02	0.736	0.07	16.06	98.79	-0.5	-99	6	-5	12	2	-2	-1	-99	-0.5	12	52	130	-0.5	28	-99	-99	0.4	-99	-99	-99	-99
849	MG-15-023	7741623	-99	6.02	0.23	13.82	4.24	0.06	0.568	0.05	19.06	99.54	1.3	-99	25	-5	25	-1	-2	-1	-99	-0.5	13	58	101	-0.5	150	-99	-99	-0.1	-99	-99	-99	-99
850	MG-15-025	7741624	-99	5.46	0.20	13.98	5.19	0.26	0.611	0.03	18.99	99.52	6.9	-99	11	-5	150	2	-2	-1	-99	-0.5	147	48	208	-0.5	940	-99	-99	-0.1	-99	-99	-99	-99
851	MG-15-027	7741625	-99	6.04	0.22	13.89	4.77	0.14	0.564	0.03	20.40	98.71	1.7	-99	4	-5	48	1	-2	-1	-99	-0.5	13	51	121	-0.5	1230	-99	-99	-0.1	-99	-99	-99	-99
852	MG-15-028	7741626	-99	4.18	0.14	9.05	5.37	0.12	0.576	0.08	13.67	99.05	0.5	-99	300	-5	39	-1	-2	-1	-99	-0.5	9	35	168	-0.5	20	-99	-99	0.2	-99	-99	-99	-99
853	MG-15-030	7741627	-99	4.16	0.13	8.94	5.32	0.18	1.151	0.06	13.94	98.12	5.1	-99	29	58	119	-1	-2	4	-99	-0.5	53	35	173	-0.5	5680	-99	-99	0.3	-99	-99	-99	-99
854	MG-15-032	7741628	-99	2.32	0.06	3.66	8.53	0.09	0.484	0.04	8.21	99.54	0.8	-99	11	-5	387	1	-2	-1	-99	-0.5	66	19	107	-0.5	80	-99	-99	0.2	-99	-99	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10					100, 10000		3					5000														200
Lower Detection Limit				0.1			0.1,				0.1,	0.04				0.01,			1 to		0.5 to	0.05,	0.2		0.001,	0.1 to		0.1		0.01		0.1 to	0.1,	0.1,	0.1 to
			0.1, 1	to 1	1	0.1	0.2	5, 50	0.01	0.5, 1	0.5	to 0.2	0.01	1	0.1 to 5	0.05	0.1, 1	0.1, 5	50	1	5	0.1	to 30	0.001	0.01	0.5	0.1, 1	to 5	0.1	to 100	0.2, 1	1	0.5	10	0.5
1	GS-07-001	7740001	-99	14	-99	-99	-99	-50	-99	105	0.8	0.4	-99	695	-1	4.50	27	-99	-1	102	52	-99	-2	-99	-99	0.4	1.0	-5	18.7	-100	48	3.4	2.3	-10	20.0
2	GS-07-002	7741178	-99	10	-1	-99	-99	-5	2.46	86.3	-99	1.46	0.14	759	20	3.44	-99	40	6	100	30	-99	74	-99	0.54	-0.1	1.3	-3	10.4	-0.01	41	-0.5	1.6	-99	11.6
3	GS-07-003	7741179	-99	9	-1	-99	-99	-5	1.90	85.8	-99	1.37	0.18	756	375	3.63	-99	43	4	120	49	-99	-15	-99	1.45	0.2	1.4	-3	8.9	-0.01	56	-0.5	1.1	-99	11.6
4	GS-07-004	7741181	-99	1.6	-1	-99	-99	-5	-99	11.9	-99	0.21	-99	-99	3	-99	-99	11	40	-99	115	-99	130	-99	0.097	0.8	19.9	-3	3.1	-99	553	-1	-0.5	-99	0.5
5	GS-07-005	7741182	-99	7	-1	-99	-99	-5	0.30	78.6	-99	0.92	0.07	700	6	4.39	-99	40	4	110	593	-99	-15	-99	0.25	0.2	1	85	9.1	-0.01	49	-0.5	1.2	-99	9.8
6	GS-07-006	7741183	-99	7	-1	-99	-99	-5	0.25	75.9	-99	1.05	0.11	737	4	3.89	-99	31	3	120	4560	-99	-15	-99	0.81	0.4	1.1	645	4.7	-0.01	55	-0.5	1.2	-99	7.6
7	GS-07-008	7740158	-99	-99	-99	-99	-99	-99	-99	114	1.0	-99	-99	401	-1	-99	31	-99	2	33	26	-99	156	-99	-99	-99	0.6	-99	-99	-99	76	-99	-99	-99	-99
8	GS-07-010	7740002	-99	-99	-99	-99	-99	-99	-99	97	1.4	-99	-99	611	2	-99	22	-99	-1	61	57	-99	91	-99	-99	-99	1.2	-99	-99	-99	45	-99	-99	-99	-99
9	GS-07-011	7740159	-99	15	-99	-99	-99	-50	-99	94	3.5	-0.2	-99	690	1	4.00	24	-99	4	61	72	-99	50	-99	-99	0.3	1.3	-5	15.9	-100	46	1.9	1.8	-10	13.0
10	GS-07-012	7741184	-99	10.2	-1	-99	-99	-5	-99	86.6	-99	1.13	-99	-99	2	-99	-99	68	5	-99	96	-99	-20	-99	0.426	0.3	1.4	-3	15.3	-99	34	2	1.5	-99	7.5
11	GS-07-013	7741185	-99	11.2	-1	-99	-99	-5	-99	137	-99	1.21	-99	-99	2	-99	-99	103	4	-99	84	-99	-20	-99	0.059	-0.2	2.0	-3	21.9	-99	80	-1	1.7	-99	15.3
12	GS-07-014	7741186	-99	1	-1	-99	-99	-5	2.30	13.7	-99	0.5	3.23	2320	1	2.82	-99	6	56	680	110	-99	116	-99	0.02	0.7	26.2	-3	2.4	-0.01	313	-0.5	-0.5	-99	0.9
13	GS-07-015	7741187	-99	2	-1	-99	-99	-5	2.32	12.7	-99	0.48	1.64	1800	1	2.76	-99	7	84	910	205	-99	110	-99	0.11	-0.1	30.3	-3	-0.1	-0.01	580	-0.5	0.6	-99	0.9
14	GS-07-016	7741188	-99	2	-1	-99	-99	-5	0.83	59.3	-99	-0.05	1.60	2820	1	3.67	-99	-5	54	770	682	-99	-15	-99	0.18	-0.1	20.3	-3	-0.1	-0.01	291	-0.5	1.8	-99	1.8
15	GS-07-018	7740003	-99	-99	-99	-99	-99	-99	-99	31	14.9	-99	-99	1427	-1	-99	16	-99	5	2099	31	-99	12	-99	-99	-99	45.3	-99	-99	-99	357	-99	-99	-99	-99
16	GS-07-020	7740161	-99	-99	-99	-99	-99	-99	-99	94	1.8	-99	-99	542	7	-99	24	-99	3	58	12	-99	45	-99	-99	-99	1.5	-99	-99	-99	64	-99	-99	-99	-99
17	GS-07-021	7740004	-99	-99	-99	-99	-99	-99	-99	11	45.9	-99	-99	1320	-1	-99	12	-99	25	910	24	-99	53	-99	-99	-99	30.7	-99	-99	-99	504	-99	-99	-99	-99
18	GS-07-022	7740162	-99	-99	-99	-99	-99	-99	-99	13	58.8	-99	-99	1866	6	-99	10	-99	43	1127	15	-99	115	-99	-99	-99	35.2	-99	-99	-99	296	-99	-99	-99	-99
19	GS-07-024	7740005	-99	-99	-99	-99	-99	-99	-99	97	0.8	-99	-99	524	1	-99	22	-99	-1	68	31	-99	81	-99	-99	-99	1.2	-99	-99	-99	38	-99	-99	-99	-99
20	GS-07-025	7740006	-99	-99	-99	-99	-99	-99	-99	21	35.7	-99	-99	1042	-1	-99	10	-99	19	750	3	-99	69	-99	-99	-99	24.7	-99	-99	-99	605	-99	-99	-99	-99
21	GS-07-027	7740007	-99	-99	-99	-99	-99	-99	-99	15	109.2	-99	-99	2347	-1	-99	16	-99	47	971	77	-99	129	-99	-99	-99	31.9	-99	-99	-99	372	-99	-99	-99	-99
22	GS-07-028	7740008	-99	-99	-99	-99	-99	-99	-99	23	28.6	-99	-99	1071	-1	-99	9	-99	12	626	28	-99	47	-99	-99	-99	21.3	-99	-99	-99	542	-99	-99	-99	-99
23	GS-07-029	7740069	-99	11	-99	-99	-99	-5	-99	97	0.8	1.23	-99	755	-1	3.22	20	73	-1	75	43	-99	82	-99	-99	-0.1	1.2	-5	14.6	-0.01	42	-0.5	1.9	-99	11.3
24	GS-07-030	7740009	-99	4	-99	-99	-99	-50	-99	16	76.9	-0.2	-99	1202	-1	3.11	10	-99	32	953	11	-99	106	-99	-99	0.6	23.0	-5	4.4	-100	481	-0.5	0.6	-10	1.5
25	GS-07-032	7741189	-99	10	-1	-99	-99	-5	3.40	86.1	-99	1.2	0.09	768	4	2.90	-99	48	7	60	34	-99	30	-99	0.06	0.4	1.4	-3	10.6	-0.01	59	1.3	1.4	-99	12.6
26	GS-07-034	7740163	-99	-99	-99	-99	-99	-99	-99	103	12.6	-99	-99	784	2	-99	28	-99	3	51	35	-99	120	-99	-99	-99	1.5	-99	-99	-99	41	-99	-99	-99	-99
27	GS-07-037	7740071	-99	2	-99	-99	-99	-5	-99	19.1	103.7	-0.05	-99	2609	125	3.75	14	28	49	1066	162	-99	119	-99	-99	0.4	26.6	-5	6.0	-0.01	311	-0.5	0.8	-99	-0.1
28	GS-07-039	7740072	-99	5	-99	-99	-99	-5	-99	30.7	11.0	0.63	-99	1952	-1	4.93	16	32	6	2067	31	-99	15	-99	-99	1.7	38.2	-5	7.4	-0.01	184	-0.5	1.2	-99	2.6
29	GS-07-040	7741191	-99	18.4	-1	-99	-99	-5	-99	257	-99	-0.05	-99	-99	-2	-99	-99	668	16	-99	2810	-99	-20	-99	0.282	1.4	11.2	-3	-0.1	-99	91	-1	-0.5	-99	8.9
30	GS-07-041	7741192	-99	2	-1	-99	-99	-5	-99	18.6	-99	0.22	-99	-99	-2	-99	-99	16	65	-99	138	-99	100	-99	0.034	0.5	29.4	-3	4.1	-99	606	-1	-0.5	-99	0.6
31	GS-07-043	7741193	-99	4.7	-1	-99	-99	-5	-99	71.5	-99	-0.05	-99	-99	-2	-99	-99	-5	51	-99	1360	-99	-20	-99	0.164	1.0	20.5	-3	-0.1	-99	267	-1	1.6	-99	3.4
32	GS-07-044	7740164	-99	-99	-99	-99	-99	-99	-99	24	20.5	-99	-99	1170	1	-99	7	-99	27	613	14	-99	42	-99	-99	-99	22.2	-99	-99	-99	584	-99	-99	-99	-99
33	GS-07-047	7740011	-99	-99	-99	-99	-99	-99	-99	20	11.2	-99	-99	633	-1	-99	6	-99	15	990	-1	-99	46	-99	-99	-99	9.9	-99	-99	-99	509	-99	-99	-99	-99
34	GS-07-048	7741194	-99	4.9	-1	-99	-99	-5	-99	79.3	-99	-0.05	-99	-99	-2	-99	-99	-5	17	-99	506	-99	-20	-99	0.012	0.5	8.0	-3	-0.1	-99	283	-1	-0.5	-99	-0.5
35	GS-07-050	7741195	-99	4	-1	-99	-99	-5	-0.01	-99	-99	-99	-0.01	-99	-5	5.71	-99	-99	298	-99	-99	-99	-30	-99	-99	-0.2	6.9	-3	-99	-99	-99	-1	-0.5	-99	-0.5
36	GS-07-051	7741196	-99	3	-1	-99	-99	-5	-99	19.8	-99	-0.05	-99	-99	-2	-99	-99	24	19	-99	11	-99	40	-99	0.01	0.3	8.4	-3	4.7	-99	281	-1	-0.5	-99	-0.5
37	GS-07-052	7740012	-99	-99	-99	-99	-99	-99	-99	18	9.5	-99	-99	486	5	-99	6	-99	16	993	-1	-99	8	-99	-99	-99	11.2	-99	-99	-99	294	-99	-99	-99	-99
38	GS-07-053	7741197	-99	2	-1	-99	-99	-5	0.23	15.6	-99	-0.05	0.78	169	2	5.21	-99	6	9	180	9	-99	-15	-99	-0.01	-0.1	2.4	-3	0.5	-0.01	106	-0.5	-0.5	-99	3.3
39	GS-07-055	7740165	-99	4	-99	-99	-99	-50	-99	43	24.7	-0.2	-99	540	2	6.39	2	-99	7	313	20	-99	4	-99	-99	-0.1	2.6	-5	5.0	-100	81	0.5	-0.5	-10	6.0
40	GS-07-056	7741198	-99	1.9	-1	-99	-99	-5	-99	14.7	-99	0.3	-99	-99	-2	-99	-99	-5	137	-99	-5	-99	-20	-99	0.004	-0.2	43.2	-3	2.1	-99	46	-1	0.6	-99	-0.5
41	GS-07-057	7741199	-99	2	-1	-99	-99	-5	0.08	33	-99	-0.05	1.88	749	1	5.33	-99	-5	23	120	56	-99	-15	-99	-0.01	-0.1	4.7	-3	-0.1	-0.01	93	-0.5	-0.5	-99	3.1
42	GS-07-061	7740166	-99	-99	-99	-99	-99	-99	-99	18	8.7	-99	-99	634	-1	-99	4	-99	22	1086	2	-99	34	-99	-99	-99	10.9	-99	-99	-99	554	-99	-99	-99	-99
43	GS-07-062	7741201	-99	4.2	-1	-99	-99	-5	-99	24.2	-99	-0.05	-99	-99	-2	-99	-99	26	20	-99	88	-99	-20	-99	0.047	-0.2	8.3	-3	7.5	-99	672	-1	-0.5	-99	3.2
44	GS-07-063	7741202	-99	4	-1	-99	-99	-5	0.18	13.2	-99	0.12	1.97	554	2	4.80	-99	7	23	1040	4	-99	-15	-99	0.1	-0.1	9.3	-3	2.1	0.03	156	1.6	-0.5	-99	-0.2
45	GS-07-065	7741203	-99	4	-1	-99	-99	-5	0.11	50.8	-99	-0.05	1.13	613	1	5.91	-99	-5	21	870	96	-99	-15	-99	0.01	-0.1	8.1	-3	-0.1	-0.01	225	-0.5	-0.5	-99	5.3
46	GS-07-066	7741204	-99	5	-1	-99	-99	-5	0.30	94.4	-99	-0.05	0.95	622	3	5.47	-99	-5	16	880	532	-99	-15	-99	0.03	-0.1	9	-3	-0.1	-0.01	290	-0.5	-0.5	-99	-0.2
47	GS-07-067	7740167	-99	-99	-99	-99	-99	-99	-99	23	7.9	-99	-99	671	-1	-99	5	-99	23	1005	2	-99	32	-99	-99	-99	11.7	-99	-99	-99	589	-99	-99	-99	-99
48	GS-07-070	7741205	-99	4	-1	-99	-99	-5	0.14	65.1	-99	-0.05	1.28	624	6	4.56	-99	-5	15	840	297	-99	-15	-99	0.02	-0.1	8.5	-3	-0.1	-0.01	185	2.3	0.7	-99	2.2
49	GS-07-071	7741206	-99	3.2	-1	-99	-99	-5	-99	35.4	-99	-0.05	-99	-99	-2	-99	-99	21	40	-99	154	-99	-20	-99	0.313	0.4	17.9	-3	7.4	-99	280	-1	-0.5	-99	2.1
50	GS-07-072	7740168	-99	3	-99	-99	-99	-50	-99	24	96.4	-0.2	-99	1000	1	3.95	7	-99	26	835	23	-99	67	-99	-99	1.1	24.8	-5	4.6	-100	620	0.6	0.6	-10	3.2
51	GS-07-075	7740169	-99	-99	-99	-99	-99	-99	-99	3	70.8	-99	-99	1786	-1	-99	4	-99	107	235	3	-99	17	-99	-99	-99	44.7	-99	-99	-99	99	-99	-99	-99	-99
52	GS-07-076	7740171	-99	4	-99	-99	-99	-50	-99	9	13.1	-0.2	-99	591	-1	5.67	3	-99	6	473	-1	-99	28	-99	-99	-0.1	5.1	-5	0.4	-100	184	0.6	-0.5	-10	0.5
53	GS-07-077	7740172	1	2.9	-99	0.1	-99	-99	-99	8	4.6	-0.05	-99	137	-1	-99	1.0	6.1	1	108	1	1.8	66	-99	-99	-99	1.5	-99	1.1	-1	328	-0.5	0.1	-99	1.8
54	GS-07-078	7740173	2	3.6	-99	0.1	-99	-99	-99	10	14.0	0.06	-99	343	-1	-99	1.8	8.6	5	432	-1	2.2	88	-99	-99	-99	2.5	-99	1.4	-1	360	-0.5	0.1	-99	1.7
55	GS-07-079	7741207	-99	2	-1	-99	-99	-5	1.14	8.9	-99	-0.05	1.77	318	-1	3.98	-99	-5	4	70	6	-99	-15	-99	-0.01	0.2	1.2	-3	0.4	-0.01	191	-0.5	-0.5	-99	1.3
56	GS-07-080	7741208	-99	4	-1	-99	-99	-5	0.20	7.8	-99	0.11	0.55	111	4	5.45	-99	-5	3	240	5	-99	-15	-99	-0.01	0.1	1.6	-3	0.6	-0.01	146	-0.5	-0.5	-99	3.5
57	GS-07-081	7741209	-99	5	-1	-99	-99	-5	0.22	5.8	-99	-0.05	1.25	282	-1	5.69	-99	-5	5	120	9	-99	-15	-99	-0.01	-0.1	2.3	-3	0.3	-0.01	80	-0.5	-0.5	-99	1.2

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10					100, 10000		3					5000															200
Lower Detection Limit				0.1			0.1,				0.1,	0.04				0.01,			1 to		0.5 to	0.05,	0.2		0.001,	0.1 to		0.1		0.01		0.1 to	0.1,	0.1,	0.1 to
			0.1, 1	to 1	1	0.1	0.2	5, 50	0.01	0.5, 1	0.5	to 0.2	0.01	1	0.1 to 5	0.05	0.1, 1	0.1, 5	50	1	5	0.1	to 30	0.001	0.01	0.5	0.1, 1	to 5	0.1	to 100	0.2, 1	1	0.5	10	0.5
58	GS-07-087	7741211	-99	3	-1	-99	-99	-5	0.19	16.3	-99	-0.05	1.12	501	1	5.26	-99	-5	8	250	35	-99	-15	-99	0.01	-0.1	3.3	-3	-0.1	-0.01	90	-0.5	-0.5	-99	4.2
59	GS-07-089	7741212	-99	3.3	-1	-99	-99	-5	-99	43.8	-99	-0.05	-99	-99	-2	-99	-99	61	14	-99	99	-99	-20	-99	0.012	-0.2	3.6	-3	-0.1	-99	111	-1	-0.5	-99	3.4
60	GS-07-090	7740013	-99	-1	-99	-99	-99	-50	-99	4	20.2	-0.2	-99	1489	46	0.12	9	-99	399	180	29	-99	4	-99	-99	-0.1	34.4	-5	2.2	-100	129	-0.5	-0.5	-10	0.4
61	GS-07-091	7740014	-99	-99	-99	-99	-99	-99	-99	5	29.6	-99	-99	1170	-1	-99	9	-99	118	230	4	-99	7	-99	-99	-99	45.2	-99	-99	-99	142	-99	-99	-99	-99
62	GS-07-092	7741213	-99	3.4	-1	-99	-99	-5	-99	27.3	-99	-0.05	-99	-99	2	-99	-99	36	9	-99	45	-99	-20	-99	0.021	-0.2	3.3	-3	-0.1	-99	174	-1	-0.5	-99	4.8
63	GS-07-093	7740174	2	3.0	-99	0.1	-99	-50	-99	12.4	15.0	-0.05	-99	386	-1	4.70	1.6	9.6	8	563	-1	2.5	55	-99	-99	-0.1	5.0	-5	1.7	-1	256	-0.5	0.1	-10	1.6
64	GS-07-094	7740015	-99	-1	-99	-99	-99	-50	-99	7	1.4	-0.2	-99	48	6	6.56	5	-99	-1	63	3	-99	4	-99	-99	-0.1	3.0	-5	1.0	-100	93	1.3	-0.5	-10	3.5
65	GS-07-095	7741214	-99	2	-1	-99	-99	-5	0.19	9.2	-99	-0.05	0.46	176	2	5.34	-99	-5	6	40	9	-99	47	-99	-0.01	-0.1	2.2	-3	-0.1	-0.01	97	-0.5	-0.5	-99	1.3
66	GS-07-096	7741215	-99	6	-1	-99	-99	-5	0.01	102	-99	-0.05	3.51	1920	1	3.52	-99	-5	36	780	255	-99	-15	-99	-0.01	-0.1	17.3	-3	-0.1	-0.01	80	2	-0.5	-99	8.2
67	GS-07-098	7740016	-99	9	-99	-99	-99	-50	-99	2	64.1	-0.2	-99	1195	-1	1.99	21	-99	37	1495	29	-99	14	-99	-99	-0.1	23.3	-5	4.6	-100	28	0.9	0.6	-10	13.0
68	GS-07-100	7741216	-99	3	-1	-99	-99	-5	0.28	28.6	-99	-0.05	0.50	306	-1	6.37	-99	-5	4	230	30	-99	-15	-99	0.01	-0.1	2	-3	-0.1	-0.01	83	-0.5	-0.5	-99	7.4
69	GS-07-101	7740017	-99	-99	-99	-99	-99	-99	-99	11	3.9	-99	-99	128	-1	-99	2	-99	-1	103	2	-99	-2	-99	-99	-99	2.0	-99	-99	-99	93	-99	-99	-99	-99
70	GS-07-102	7740175	-99	-99	-99	-99	-99	-99	-99	11	22.6	-99	-99	1203	-1	-99	4	-99	57	358	6	-99	14	-99	-99	-99	34.2	-99	-99	-99	362	-99	-99	-99	-99
71	GS-07-103	7741217	-99	3.9	-1	-99	-99	-5	-99	46	-99	-0.05	-99	-99	-2	-99	-99	45	8	-99	105	-99	-20	-99	0.012	-0.2	2.4	-3	-0.1	-99	125	-1	-0.5	-99	4.1
72	GS-07-104	7740018	-99	2	-99	-99	-99	-50	-99	17	4.0	-0.2	-99	137	-1	5.71	2	-99	1	244	-1	-99	10	-99	-99	-0.1	1.6	-5	0.9	-100	153	-0.5	-0.5	-10	3.4
73	GS-07-105	7740019	-99	-99	-99	-99	-99	-99	-99	4	23.7	-99	-99	1264	-1	-99	6	-99	751	112	14	-99	-2	-99	-99	-99	27.7	-99	-99	-99	293	-99	-99	-99	-99
74	GS-07-108	7740176	-99	-99	-99	-99	-99	-99	-99	3	41.0	-99	-99	1770	-1	-99	5	-99	113	278	11	-99	8	-99	-99	-99	43.6	-99	-99	-99	165	-99	-99	-99	-99
75	GS-07-109	7740021	-99	-99	-99	-99	-99	-99	-99	2	48.1	-99	-99	1612	-1	-99	10	-99	127	262	5	-99	12	-99	-99	-99	43.5	-99	-99	-99	140	-99	-99	-99	-99
76	GS-07-110	7740177	-99	2	-99	-99	-99	-50	-99	4	4.2	-0.2	-99	100	-1	4.36	1.3	-99	5	70	2	-99	34	-99	-99	-0.1	1.1	-5	-0.1	-100	125	-0.5	-0.5	-10	1.2
77	GS-07-112	7741218	-99	2.2	-1	-99	-99	-5	-99	43.5	-99	-0.05	-99	-99	-2	-99	-99	62	400	-99	98	-99	260	-99	0.01	1.9	46.3	-3	10.1	-99	313	-1	1.1	-99	3.0
78	GS-07-113	7740022	-99	-99	-99	-99	-99	-99	-99	37	12.9	-99	-99	994	-1	-99	12	-99	13	2204	8	-99	119	-99	-99	-99	19.8	-99	-99	-99	761	-99	-99	-99	-99
79	GS-07-114	7741219	-99	7	-1	-99	-99	-5	4.93	42.8	-99	-0.05	0.15	762	1	2.73	-99	-5	12	120	573	-99	78	-99	0.01	6.1	3.8	-3	-0.1	-0.01	133	-0.5	-0.5	-99	14.9
80	GS-07-115	7741221	-99	5	-1	-99	-99	-5	2.66	36.1	-99	-0.05	0.59	590	-1	4.33	-99	-5	11	370	401	-99	37	-99	-0.01	1.9	7.3	-3	-0.1	-0.01	85	-0.5	-0.5	-99	9.7
81	GS-07-116	7741222	-99	2.7	-1	-99	-99	-5	-99	18.6	-99	0.08	-99	-99	2	-99	-99	15	23	-99	7	-99	50	-99	0.278	0.8	14.4	-3	3.0	-99	265	-1	-0.5	-99	5.6
82	GS-07-117	7741223	-99	4	-1	-99	-99	-5	-99	42.1	-99	-0.05	-99	-99	-2	-99	-99	-5	25	-99	102	-99	-20	-99	0.034	0.9	13.7	-3	8.1	-99	124	2	-0.5	-99	6.7
83	GS-07-118	7740023	-99	-99	-99	-99	-99	-99	-99	35	25.4	-99	-99	316	-1	-99	13	-99	23	760	3	-99	64	-99	-99	-99	13.9	-99	-99	-99	178	-99	-99	-99	-99
84	GS-07-120	7740024	-99	-99	-99	-99	-99	-99	-99	15	20.7	-99	-99	1229	-1	-99	12	-99	74	2011	6	-99	30	-99	-99	-99	32.3	-99	-99	-99	440	-99	-99	-99	-99
85	GS-07-121	7741224	-99	2.7	-1	-99	-99	-5	-99	26	-99	0.13	-99	-99	-2	-99	-99	23	20	-99	16	-99	-20	-99	0.17	1.9	21.9	-3	5.4	-99	823	-1	0.6	-99	3.5
86	GS-07-122	7741225	-99	3	-1	-99	-99	-5	0.98	26	-99	-0.05	1.40	771	2	5.88	-99	-5	16	620	74	-99	-15	-99	-0.01	1.5	15.2	-3	-0.1	-0.01	158	1.5	-0.5	-99	5.5
87	GS-07-123	7740025	-99	-99	-99	-99	-99	-99	-99	27	33.6	-99	-99	1406	-1	-99	15	-99	45	1363	7	-99	100	-99	-99	-99	34.0	-99	-99	-99	366	-99	-99	-99	-99
88	GS-07-124	7741226	-99	12.3	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	2	-99	343	-99	-20	-99	0.017	1.0	1.5	-3	-99	-99	65	3	2.3	-99	16.7
89	GS-07-125	7741227	-99	15.1	-1	-99	-99	-5	-99	169	-99	-0.05	-99	-99	-2	-99	-99	143	3	-99	910	-99	-20	-99	-0	1.8	1.1	-3	-0.1	-99	51	4	-0.5	-99	20.5
90	GS-07-126	7741228	-99	5.8	-1	-99	-99	-5	-99	62.2	-99	-0.05	-99	-99	389	-99	-99	134	24	-99	441	-99	70	-99	0.336	7.8	6.4	-3	18.1	-99	70	-1	-0.5	-99	10.2
91	GS-07-128	7741229	-99	5	-1	-99	-99	-5	2.76	36.5	-99	0.29	0.20	58	40	0.28	-99	-5	12	270	425	-99	76	-99	1.33	5.4	6.6	-3	-0.1	-0.01	76	-0.5	-0.5	-99	11.6
92	GS-07-129	7741231	-99	14.1	-1	-99	-99	-5	-99	245	-99	-0.05	-99	-99	10	-99	-99	-5	9	-99	558	-99	-20	-99	0.021	6.6	4.7	-3	-0.1	-99	83	-1	-0.5	-99	23.2
93	GS-07-130	7741232	-99	5	-1	-99	-99	-5	2.47	50.7	-99	-0.05	0.72	824	305	0.30	-99	-5	25	470	170	-99	64	-99	0.61	4.8	8.4	-3	-0.1	-0.01	102	-0.5	0.9	-99	14.2
94	GS-07-131	7741233	-99	3	-1	-99	-99	-5	2.08	22.1	-99	0.22	1.06	1760	8	0.29	-99	11	30	290	16	-99	56	-99	0.36	1.9	10.1	-3	1.8	-0.01	99	0.7	-0.5	-99	8.3
95	GS-07-132	7740026	5	1.4	-99	0.8	-99	-50	-99	8.2	28.2	0.30	-99	1907	-1	1.67	3.2	11.5	57	439	6	2.5	68	-99	-99	0.6	47.0	-5	3.3	2	155	-0.5	0.6	-10	1.0
96	GS-07-134	7741234	-99	4	-1	-99	-99	-5	1.28	48.7	-99	-0.05	2.16	1620	1540	1.26	-99	-5	49	230	240	-99	51	-99	1.51	2.2	24	-3	-0.1	-0.01	165	-0.5	0.6	-99	7.4
97	GS-07-136	7741235	-99	8	-1	-99	-99	-5	2.90	70.1	-99	0.61	0.05	151	43	3.22	-99	62	3	110	14	-99	111	-99	0.21	0.8	3.6	13	7.5	-99	79	-0.5	1.4	-99	15.0
98	GS-07-138	7741236	-99	4	-1	-99	-99	-5	1.63	29.8	-99	0.52	0.05	674	15	0.26	-99	14	12	160	158	-99	118	-99	0.06	0.7	3.3	-3	2.7	-0.01	101	-0.5	-0.5	-99	7.7
99	GS-07-139	7741237	-99	4.7	-1	-99	-99	-5	-99	35.4	-99	-0.05	-99	-99	-2	-99	-99	49	40	-99	89	-99	80	-99	0.012	3.4	3.0	10	11.0	-99	34	-1	0.7	-99	8.2
100	GS-07-140	7741238	-99	6	-1	-99	-99	-5	5.05	13.9	-99	0.44	0.08	378	4	2.10	-99	-5	3	140	39	-99	297	-99	-0.01	0.3	2.4	-3	0.6	-0.01	51	-0.5	-0.5	-99	79.3
101	GS-07-141	7741239	-99	6.5	-1	-99	-99	-5	-99	85.6	-99	-0.05	-99	-99	-2	-99	-99	-5	18	-99	213	-99	-20	-99	0.007	0.5	5.6	-3	-0.1	-99	195	-1	-0.5	-99	3.4
102	GS-07-142	7741241	-99	1	-1	-99	-99	-5	-0.01	2	-99	0.14	-0.01	-99	18	2.67	-99	-5	-50	-99	-99	-99	90	-99	-99	-0.2	0.6	-3	0.7	-99	-99	-1	-0.5	-99	-0.5
103	GS-07-144	7741242	-99	11	-1	-99	-99	-5	-0.01	9	-99	-99	-0.01	-99	-5	3.35	-99	28	-50	-99	-99	-99	-30	-99	-99	0.3	1.7	-3	5.6	-99	-99	-1	-0.5	-99	34.6
104	GS-07-146	7741243	-99	3	-1	-99	-99	-5	5.78	5.8	-99	0.55	7.88	1420	-1	1.28	-99	8	73	480	5	-99	403	-99	0.07	0.3	42.4	-3	1.9	-0.01	33	-0.5	-0.5	-99	1.0
105	GS-07-147	7740073	-99	3	-99	-99	-99	-5	-99	14	6.0	-0.05	-99	34	-1	2.01	1.1	34	2	93	55	-99	261	-99	-99	-0.1	0.5	-5	5.6	-0.01	135	-0.5	-0.5	-99	6.0
106	GS-07-148	7740074	-99	3	-99	-99	-99	-5	-99	4	0.4	0.12	-99	59	-1	5.76	10	9	-1	72	4	-99	8	-99	-99	-0.1	0.7	-5	2.0	-0.01	48	4.9	-0.5	-99	7.9
107	GS-07-149	7741244	-99	4	-1	-99	-99	-5	2.04	41.2	-99	-0.05	0.12	144	2	3.74	-99	-5	3	80	149	-99	86	-99	-0.01	-0.1	1.5	-3	-0.1	-0.01	193	-0.5	-0.5	-99	188
108	GS-07-150	7741245	-99	4	-1	-99	-99	-5	-0.01	2	-99	-0.05	-0.01	-99	12	1.46	-99	9	-50	-99	-99	-99	211	-99	-99	-0.2	0.6	-3	0.6	-99	-99	-1	-0.5	-99	7.0
109	GS-07-151	7740027	-99	-99	-99	-99	-99	-99	-99	65	1.4	-99	-99	650	-1	-99	21	-99	2	391	8	-99	2	-99	-99	-99	8.0	-99	-99	-99	33	-99	-99	-99	-99
110	GS-07-152	7741246	-99	23	-1	-99	-99	-5	0.03	172	-99	0.65	0.59	2230	3	1.80	-99	49	10	250	985	-99	-15	-99	0.04	1.1	7.5	-3	-0.1	-0.01	1530	-0.5	1	-99	12.0
111	GS-07-153	7741247	-99	80	-1	-99	-99	-5	0.10	136	-99	-0.05	0.12	732	-1	5.98	-99	-5	5	380	267	-99	-15	-99	-0.01	1.2	6.1	-3	-0.1	-0.01	67	-0.5	3.5	-99	17.2
112	GS-07-154	7741248	-99	1.1	-1	-99	-99	-5	-99	24.1	-99	-0.05	-99	-99	-2	-99	-99	40	35	-99	54	-99	-20	-99	0.005	1.2	19.5	-3	15.5	-99	69	-1	1.4	-99	0.9
113	GS-07-157	7741249	-99	3.8	-1	-99	-99	-5	-99	55.7	-99	-0.05	-99	-99	955	-99	-99	-5	87	-99	252	-99	-20	-99	4.06	0.2	24.9	-3	18.2	-99	157	-1	-0.5	-99	6.6
114	GS-07-159	7740028	4	0.4	-99	0.3	-99	-50	-99	2	22.1	0.10	-99	1012	-1	1.35	-1.0	1.5	175	89	14	0.3	31	-99	-99	0.4	45.3	-5	0.6	-1	193	-0.5	0.2	-10	-0.1

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10					100, 10000		3					5000														200
Lower Detection Limit			0.1, 1	0.1 to 1	1	0.1	0.1, 0.2	5, 50	0.01	0.5, 1	0.1, 0.5	0.04 to 0.2	0.01	1	0.1 to 5	0.01, 0.05	0.1, 1	0.1, 5	1 to 50	1	0.5 to 5	0.05, 0.1	0.2 to 30	0.001	0.001, 0.01	0.1 to 0.5	0.1, 1	0.1 to 5	0.1	0.01 to 100	0.2, 1	0.1 to 1	0.1, 0.5	0.1, 10	0.1 to 0.5
115	GS-07-161	7740029	9	2.4	-99	0.9	-99	-99	-99	10	22.0	0.37	-99	1694	-1	-99	4.9	14.6	44	528	12	3.2	19	-99	-99	-99	43.5	-99	3.6	-1	256	-0.5	0.7	-99	1.7
116	GS-07-162	7740031	4	2.7	-99	0.7	-99	-50	-99	24.6	16.8	0.28	-99	1095	-1	2.15	4.7	24.6	25	801	4	6.0	55	-99	-99	-0.1	36.1	-5	4.7	-1	479	-0.5	0.6	-10	4.0
117	GS-07-163	7740032	4	2.2	-99	0.5	-99	-50	-99	21.1	17.5	0.21	-99	874	-1	2.37	3.6	22.2	9	1042	3	5.5	60	-99	-99	-0.1	24.6	-5	4.5	-1	619	-0.5	0.5	-10	4.1
118	GS-07-164	7740033	3	2.0	-99	0.5	-99	-99	-99	22	24.5	0.20	-99	639	-1	-99	3.4	23.7	-1	1684	-1	5.7	46	-99	-99	-99	19.7	-99	4.5	1	602	-0.5	0.5	-99	3.5
119	GS-07-167	7740034	4	1.1	-99	0.6	-99	-50	-99	0.7	23.5	0.28	-99	1357	-1	1.74	1.2	4.0	158	174	6	0.7	15	-99	-99	0.5	42.3	-5	1.6	-1	173	-0.5	0.4	-10	0.1
120	GS-07-170	7740067	4	2.3	-99	0.5	-99	-99	-99	20	23.6	0.21	-99	781	-1	-99	3.4	22.0	5	859	5	5.3	75	-99	-99	-99	31.2	-99	4.1	-1	557	0.6	0.5	-99	4.1
121	GS-07-171	7740035	5	7.4	-99	1.0	-99	-50	-99	80.6	12.3	0.42	-99	268	22	1.88	17.0	56.0	-1	36	48	16.9	51	-99	-99	0.4	1.2	-5	8.8	2	95	0.9	0.9	-10	13.1
122	GS-07-172	7740075	-99	3	-99	-99	-99	-5	-99	18	8.4	0.11	-99	536	-1	5.87	6	22	11	1035	2	-99	8	-99	-99	-0.1	7.6	-5	3.7	-0.01	185	-0.5	-0.5	-99	1.1
123	GS-07-173	7740076	-99	4	-99	-99	-99	-5	-99	47	13.4	0.22	-99	579	-1	6.38	9	30	17	1170	39	-99	13	-99	-99	-0.1	10	-5	5.2	-0.01	224	-0.5	-0.5	-99	3.1
124	GS-07-174A	7740036	-99	-99	-99	-99	-99	-99	-99	6	20.1	-99	-99	1359	-1	-99	15	-99	52	541	4	-99	8	-99	-99	-99	47.9	-99	-99	-99	214	-99	-99	-99	-99
125	GS-07-175	7741251	-99	2	-1	-99	-99	-5	0.08	73	-99	-0.05	0.04	303	3	7.66	-99	-5	4	30	880	-99	-15	-99	0.02	-0.1	1.9	-3	-0.1	-0.01	125	-0.5	-0.5	-99	6.4
126	GS-07-176	7740077	-99	3	-99	-99	-99	-5	-99	2	0.6	0.4	-99	128	-1	4.09	12	-5	1	34	40	-99	201	-99	-99	-0.1	1.8	-5	0.8	-0.01	81	4.5	-0.5	-99	16.8
127	GS-07-177	7740178	-99	4	-99	-99	-99	-50	-99	20	10.5	-0.2	-99	748	-1	3.62	5	-99	22	902	1	-99	47	-99	-99	-0.1	10.5	-5	5.3	-100	539	-0.5	-0.5	-10	0.2
128	GS-07-178	7741252	-99	4	-1	-99	-99	-5	0.18	40.8	-99	-0.05	1.53	473	6	6.05	-99	-5	13	980	139	-99	-15	-99	0.03	-0.1	7.3	-3	-0.1	-0.01	125	5.1	-0.5	-99	4.3
129	GS-07-179	7740037	-99	-99	-99	-99	-99	-99	-99	4	2.9	-99	-99	79	1	-99	2	-99	-1	25	6	-99	4	-99	-99	-99	0.8	-99	-99	-99	87	-99	-99	-99	-99
130	GS-07-180	7741253	-99	-1	-1	-99	-99	-5	0.24	53.2	-99	-0.05	1.25	468	21	5.76	-99	-5	10	20	561	-99	-15	-99	0.1	-0.1	2.7	-3	-0.1	-0.01	204	2.5	-0.5	-99	4.9
131	GS-07-181	7740179	-99	-99	-99	-99	-99	-99	-99	47	25.2	-99	-99	401	-1	-99	3	-99	20	1046	8	-99	43	-99	-99	-99	10.1	-99	-99	-99	236	-99	-99	-99	-99
132	GS-07-182	7740038	-99	-1	-99	-99	-99	-50	-99	11	2.0	-0.2	-99	154	-1	6.54	8	-99	-1	37	-1	-99	-2	-99	-99	-0.1	2.0	-5	0.8	-100	100	5.6	-0.5	-10	2.0
133	GS-07-183	7741254	-99	5	-1	-99	-99	-5	0.28	97.1	-99	-0.05	1.53	651	1	5.19	-99	-5	11	640	92	-99	-15	-99	0.01	-0.1	6.3	-3	-0.1	-0.01	135	2.1	-0.5	-99	3.0
134	GS-07-186	7740039	-99	5	-99	-99	-99	-50	-99	27	20.0	-0.2	-99	629	-1	4.32	8	-99	15	1185	-1	-99	36	-99	-99	-0.1	11.7	-5	5.9	-100	356	0.6	-0.5	-10	0.9
135	GS-07-187	7740041	-99	-99	-99	-99	-99	-99	-99	2	1.8	-99	-99	61	1	-99	2	-99	1	77	15	-99	233	-99	-99	-99	0.3	-99	-99	-99	201	-99	-99	-99	-99
136	GS-07-188	7740042	-99	-99	-99	-99	-99	-99	-99	30	41.2	-99	-99	1514	-1	-99	21	-99	58	3262	9	-99	46	-99	-99	-99	30.9	-99	-99	-99	291	-99	-99	-99	-99
137	GS-07-190	7741255	-99	9	-1	-99	-99	-5	-0.01	4	-99	0.33	-0.01	-99	-5	5.24	-99	13	-50	-99	-99	-99	-30	-99	-99	-0.2	1.6	-3	1.0	-99	-99	-1	-0.5	-99	22.1
138	GS-07-193	7740078	-99	2	-99	-99	-99	-5	-99	3	2.7	-0.05	-99	79	-1	2.64	3	-5	-1	10	63	-99	83	-99	-99	-0.1	1.6	-5	2.1	-0.01	65	-0.5	-0.5	-99	168
139	GS-07-194	7741256	-99	2	-1	-99	-99	-5	1.00	24.5	-99	-0.05	1.26	307	2	3.88	-99	-5	8	450	12	-99	33	-99	-0.01	-0.1	1.8	-3	1.4	-0.01	132	-0.5	-0.5	-99	5.3
140	GS-07-195	7740079	-99	2	-99	-99	-99	-5	-99	2	4.9	0.13	-99	124	4	1.79	2	-5	2	20	28	-99	160	-99	-99	-0.1	0.6	-5	0.9	-0.01	48	-0.5	-0.5	-99	38.4
141	GS-07-196	7741257	-99	-1	-1	-99	-99	-5	0.26	98	-99	-0.05	1.43	1100	1	4.52	-99	-5	21	630	92	-99	-15	-99	0.02	0.3	5.2	-3	-0.1	-0.01	314	-0.5	-0.5	-99	3.5
142	GS-07-197	7740043	4	1.8	-99	0.6	-99	-99	-99	6	16.3	0.28	-99	1498	-1	-99	3.6	10.3	64	368	2	2.3	33	-99	-99	-99	42.9	-99	2.6	-1	211	-0.5	0.6	-99	0.9
143	GS-07-198	7740044	5	2.2	-99	0.8	-99	-50	-99	8.0	17.4	0.33	-99	1841	-1	2.24	4.5	12.9	46	440	7	2.8	32	-99	-99	0.3	43.0	-5	3.4	-1	182	-0.5	0.6	-10	1.1
144	GS-07-199	7740045	6	2.3	-99	0.9	-99	-99	-99	8	17.7	0.36	-99	2029	-1	-99	5.1	13.7	58	514	16	2.9	41	-99	-99	-99	48.6	-99	3.6	3	170	-0.5	0.7	-99	1.2
145	GS-07-204	7740046	6	9.4	-99	1.2	-99	-50	-99	109.1	11.9	0.56	-99	1222	17	3.57	19.3	72.4	-1	58	573	22.2	70	-99	-99	0.2	2.8	-5	10.5	1	421	1.2	1.1	-10	18.8
146	GS-07-206	7741258	-99	0.6	-1	-99	-99	-5	-99	2.5	-99	0.11	-99	-99	7	-99	-99	-5	94	-99	7	-99	-20	-99	0.033	1.3	22.8	-3	1.0	-99	251	-1	-0.5	-99	-0.5
147	GS-07-212	7741259	-99	1.2	-1	-99	-99	-5	-99	78.2	-99	-0.05	-99	-99	2	-99	-99	-5	12	-99	692	-99	-20	-99	0.314	1.0	1.0	-3	-0.1	-99	43	-1	-0.5	-99	-0.5
148	GS-07-213	7740047	4	2.2	-99	0.8	-99	-99	-99	12	23.4	0.32	-99	1242	-1	-99	4.1	14.2	50	566	3	3.3	74	-99	-99	-99	31.5	-99	3.0	-1	326	-0.5	0.6	-99	1.8
149	GS-07-214	7740048	8	19.1	-99	3.8	-99	-50	-99	124.2	2.5	1.75	-99	242	4	2.69	35.3	104.8	2	36	37	28.8	189	-99	-99	0.1	2.0	-5	19.4	4	38	2.2	2.9	-10	34.5
150	GS-07-215	7740049	5	3.1	-99	0.6	-99	-50	-99	20.5	22.9	0.26	-99	613	-1	5.75	6.5	20.6	18	1801	37	5.0	50	-99	-99	4.1	18.4	-5	3.9	-1	522	-0.5	0.6	-10	4.9
151	GS-07-216	7740051	4	5.2	-99	0.8	-99	-50	-99	35.6	14.1	0.38	-99	941	4	6.85	9.9	30.8	27	697	3	8.2	8	-99	-99	0.6	15.7	-5	5.3	2	77	-0.5	0.7	-10	8.1
152	GS-07-218	7740182	4	1.8	-99	0.6	-99	-99	-99	16	105.6	0.23	-99	1112	-1	-99	2.8	18.4	85	784	11	4.4	68	-99	-99	-99	30.8	-99	4.0	-1	664	-0.5	0.6	-99	2.7
153	GS-07-220	7740052	6	6.4	-99	1.2	-99	-50	-99	46.4	51.9	0.50	-99	800	2	6.03	13.9	46.1	25	1471	40	11.6	60	-99	-99	0.3	23.2	-5	8.7	2	251	0.7	1.1	-10	8.4
154	GS-07-221	7741261	-99	17.5	-1	-99	-99	-5	-99	119	-99	-0.05	-99	-99	2	-99	-99	95	9	-99	370	-99	-20	-99	0.026	1.1	15.3	-3	-0.1	-99	157	-1	-0.5	-99	23.2
155	GS-07-222	7740183	4	1.7	-99	0.7	-99	-99	-99	8	53.9	0.30	-99	1434	-1	-99	1.3	12.8	100	870	25	2.8	61	-99	-99	-99	32.6	-99	3.0	-1	420	-0.5	0.6	-99	0.2
156	GS-07-225	7740068	5	12.3	-99	2.0	-99	-50	-99	92.1	25.8	1.05	-99	355	3	2.93	25.4	73.3	-1	300	33	21.1	184	-99	-99	0.4	4.9	-5	12.4	7	97	1.7	1.8	-10	23.0
157	GS-07-226	7740184	6	13.2	-99	2.3	-99	-99	-99	106	5.2	1.13	-99	424	-1	-99	28.3	82.9	6	76	53	23.9	147	-99	-99	-99	6.0	-99	14.0	5	193	1.6	1.8	-99	26.2
158	GS-07-227	7741262	-99	2.5	-1	-99	-99	-5	-99	45.9	-99	-0.05	-99	-99	-2	-99	-99	-5	51	-99	364	-99	-20	-99	0.009	1.0	25.9	-3	20.2	-99	438	-1	0.7	-99	1.8
159	GS-07-229	7741263	-99	6	-1	-99	-99	-5	0.12	45.6	-99	-0.05	0.29	424	-1	5.67	-99	-5	3	230	90	-99	60	-99	0.06	1.0	13.7	-3	-0.1	-0.01	71	-0.5	-0.5	-99	10.7
160	GS-07-230	7740053	10	24.0	-99	5.6	-99	-50	-99	168.0	1.5	2.51	-99	152	-1	4.53	51.2	143.2	-1	16	18	39.2	205	-99	-99	0.7	1.5	-5	26.6	6	67	3.5	4.3	-10	48.8
161	GS-07-231	7740054	5	3.1	-99	1.1	-99	-99	-99	45	23.4	0.43	-99	851	-1	-99	8.7	42.7	-1	2303	12	10.9	110	-99	-99	-99	12.7	-99	8.0	1	646	-0.5	1.0	-99	9.1
162	GS-07-232	7740055	6	12.3	-99	1.6	-99	-99	-99	81	7.8	0.74	-99	352	2	-99	23.1	65.6	-1	261	29	18.3	139	-99	-99	-99	7.1	-99	10.8	3	99	1.4	1.4	-99	17.0
163	GS-07-233	7740185	4	2.2	-99	0.6	-99	-99	-99	20	17.2	0.27	-99	1351	-1	-99	4.3	21.7	38	1028	12	5.2	46	-99	-99	-99	35.5	-99	4.2	1	528	-0.5	0.6	-99	3.9
164	GS-07-234	7740056	6	14.2	-99	1.7	-99	-50	-99	84.4	7.7	0.81	-99	354	2	2.61	26.5	68.4	-1	254	35	19.2	140	-99	-99	0.1	7.2	-5	11.3	3	99	1.9	1.4	-10	18.1
165	GS-07-235	7740057	6	11.2	-99	1.6	-99	-99	-99	82	4.6	0.70	-99	249	2	-99	23.4	66.8	-1	204	38	18.6	139	-99	-99	-99	5.7	-99	10.8	3	85	1.4	1.3	-99	19.0
166	GS-07-238	7740058	11	19.7	-99	3.6	-99	-50	-99	169.0	19.4	1.59	-99	543	2	2.54	41.4	149.3	-1	455	31	40.4	111	-99	-99	0.1	8.6	-5	24.6	4	143	2.1	3.1	-10	22.7
167	GS-07-239	7740186	7	2.7	-99	1.2	-99	-99	-99	33	36.2	0.43	-99	1879	-1	-99	3.0	46.5	50	5075	13	10.5	45	-99	-99	-99	33.2	-99	9.3	1	764	-0.5	1.2	-99	0.7
168	GS-07-240	7740059	8	11.7	-99	2.6	-99	-50	-99	122.6	17.1	1.22	-99	295	2	3.30	30.3	103.8	-1	262	29	28.4	104	-99	-99	0.2	5.8	-5	17.4	4	63	1.7	2.2	-10	20.1
169	GS-07-241	7740061	5	10.3	-99	1.5	-99	-50	-99	87.1	7.7	0.72	-99	206	2	2.91	22.3	68.5	1	187	17	19.3	135	-99	-99	0.1	5.9	-5	10.8	3	74	1.4	1.3	-10	18.8
170	GS-07-242	7741264	-99	10	-1	-99	-99	-5	0.98	84.1	-99	-0.05	0.88	267	4	6.12	-99	18	22	70	221	-99	-15	-99	0.1	-0.1	5.6	-3	-0.1	-0.01	100	-0.5	1.9	-99	16.4
171	GS-07-244	7740187	5	10.7	-99	1.5	-99	-50	-99	76.6	6.2	0.71	-99	406	2	3.02	14.0	64.0	6	270	27	17.5	136	-99	-99	0.1	7.2	-5	11.1	3	95	1.3	1.3	-10	16.7

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10					100, 10000		3					5000															200
Lower Detection Limit				0.1			0.1,				0.1,	0.04				0.01,			1 to		0.5 to	0.05,	0.2		0.001,	0.1 to		0.1		0.01		0.1 to	0.1,	0.1,	0.1 to
			0.1, 1	to 1	1	0.1	0.2	5, 50	0.01	0.5, 1	0.5	to 0.2	0.01	1	0.1 to 5	0.05	0.1, 1	0.1, 5	50	1	5	0.1	to 30	0.001	0.01	0.5	0.1, 1	to 5	0.1	to 100	0.2, 1	1	0.5	10	0.5
172	GS-07-245	7740188	5	3.3	-99	1.1	-99	-99	-99	14	74.3	0.43	-99	1374	-1	-99	2.8	21.1	65	1549	25	4.4	67	-99	-99	-99	28.3	-99	5.1	-1	510	-0.5	0.9	-99	0.7
173	GS-07-247	7740189	7	2.5	-99	0.9	-99	-99	-99	41	21.6	0.26	-99	1106	-1	-99	4.2	57.0	45	4915	16	12.7	42	-99	-99	-99	20.1	-99	10.5	1	1978	-0.5	1.0	-99	0.6
174	GS-07-248	7740062	5	11.9	-99	1.5	-99	-99	-99	80	5.6	0.74	-99	307	2	-99	22.3	64.7	-1	297	31	17.8	138	-99	-99	-99	7.6	-99	10.6	4	118	1.3	1.3	-99	17.0
175	GS-07-249	7740063	10	19.3	-99	3.2	-99	-50	-99	149.5	4.9	1.43	-99	621	4	2.87	36.5	132.4	-1	476	24	35.6	126	-99	-99	0.2	8.6	-5	22.0	4	142	1.7	2.8	-10	20.4
176	GS-07-251	7740064	11	21.2	-99	4.2	-99	-50	-99	188.7	1.9	2.06	-99	858	153	6.71	47.9	166.3	-1	224	45	44.6	13	-99	-99	0.4	4.2	-5	27.8	8	73	3.0	3.6	-10	27.7
177	GS-07-252	7740065	5	11.1	-99	1.6	-99	-99	-99	80	11.4	0.75	-99	349	2	-99	23.8	66.5	-1	263	26	18.4	5	-99	-99	-99	6.9	-99	10.9	3	118	1.3	1.4	-99	17.9
178	GS-07-254	7740066	5	3.0	-99	0.8	-99	-50	-99	22.2	25.7	0.33	-99	923	-1	4.47	5.0	26.6	8	1441	19	6.3	37	-99	-99	0.3	23.5	-5	5.3	3	677	0.8	0.7	-10	3.6
179	GS-07-255	7741265	-99	14.8	-1	-99	-99	-5	-99	224	-99	-0.05	-99	-99	-2	-99	-99	-5	4	-99	990	-99	-20	-99	0.054	0.4	4.8	-3	-0.1	-99	225	-1	1.8	-99	25.6
180	GS-07-256	7741266	-99	5.7	-1	-99	-99	-5	-99	77.7	-99	-0.05	-99	-99	-2	-99	-99	-5	85	-99	751	-99	-20	-99	0.005	-0.2	32.3	-3	-0.1	-99	739	-1	-0.5	-99	3.2
181	GS-07-257	7741267	-99	2	-1	-99	-99	-5	0.93	28.2	-99	-0.05	0.84	249	4	3.70	-99	-5	23	70	213	-99	47	-99	0.1	0.2	3.9	-3	-0.1	-0.01	97	1.6	-0.5	-99	40.3
182	GS-07-259	7741268	-99	-1	-1	-99	-99	-5	0.80	3.1	-99	0.26	6.13	1320	5	2.10	-99	-5	144	140	11	-99	-15	-99	0.44	-0.1	41.9	-3	0.8	-0.01	97	0.6	-0.5	-99	0.7
183	GS-07-260	7741269	-99	5	-1	-99	-99	-5	1.43	58.1	-99	0.15	3.44	488	2	3.90	-99	30	40	330	23	-99	88	-99	-0.01	-0.1	7.6	-3	6.2	-0.01	255	-0.5	-0.5	-99	26.8
184	GS-07-261	7740081	-99	2	-99	-99	-99	-5	-99	6.4	16.2	-0.05	-99	194	12	1.87	8	6	1	40	67	-99	208	-99	-99	-0.1	3.3	-5	1.3	-0.01	127	-0.5	-0.5	-99	20.9
185	GS-07-262	7741271	-99	4.8	-1	-99	-99	-5	-99	43.2	-99	0.34	-99	-99	3	-99	-99	33	7	-99	25	-99	60	-99	0.094	0.3	12.9	-3	6.6	-99	289	-1	-0.5	-99	8.7
186	GS-07-263	7741272	-99	8.3	-1	-99	-99	-5	-99	222	-99	-0.05	-99	-99	2	-99	-99	-5	7	-99	1680	-99	-20	-99	0.013	0.5	14.3	-3	-0.1	-99	359	-1	-0.5	-99	12.6
187	GS-07-263B	7741629	1	3.1	-99	1.0	0.2	-99	-99	36.9	-99	0.39	-99	-99	2	-99	22	38	-20	-99	3130	10.2	8	-99	-99	-0.5	10	-99	7.5	6	246	0.4	0.9	-99	6.6
188	GS-07-268	7741273	-99	10	-1	-99	-99	-5	3.00	12.6	-99	0.28	0.20	91	-1	0.50	-99	-5	11	100	10	-99	106	-99	-0.01	0.2	3.6	-3	0.9	-0.01	44	1.7	-0.5	-99	29.5
189	GS-07-269	7741274	-99	14	-1	-99	-99	5	1.46	40.4	-99	0.25	0.32	110	2	1.45	-99	19	8	150	6	-99	68	-99	-0.01	-0.1	4.8	-3	3.5	-0.01	31	1.7	-0.5	-99	35.3
190	GS-07-270	7741275	-99	8	-1	-99	-99	-5	1.24	25.9	-99	0.14	0.26	120	-1	0.38	-99	11	17	60	5	-99	68	-99	-0.01	-0.1	3.5	-3	2.0	-0.01	19	1.4	-0.5	-99	23.9
191	GS-07-271	7741276	-99	5	-1	-99	-99	-5	2.94	13.3	-99	0.6	0.04	160	5	1.13	-99	-5	4	20	117	-99	42	-99	-0.01	0.2	1.4	-3	-0.1	-0.01	263	-0.5	-0.5	-99	195
192	GS-07-272	7741277	-99	2.8	-1	-99	-99	-5	-99	13.6	-99	-0.05	-99	-99	-2	-99	-99	26	35	-99	349	-99	-20	-99	0.075	1.5	30.8	-3	6.0	-99	161	-1	-0.5	-99	2.0
193	GS-07-273	7741278	-99	-1	-1	-99	-99	-5	0.03	17.4	-99	-0.05	0.09	256	43	0.05	-99	-5	13	20	524	-99	-15	-99	0.04	7.7	1.1	19	-0.1	-0.01	29	-0.5	-0.5	-99	1.6
194	GS-08-003	7741293	-99	1.6	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	81	-99	48	-99	-20	-99	0.013	1.8	46.9	-3	-99	-99	215	-1	-0.5	-99	-0.5
195	GS-08-005	7741294	-99	6	-1	-99	-99	-5	0.12	-99	-99	-99	4.86	1920	-1	1.10	-99	-99	158	1070	604	-99	-15	-99	0.06	2.7	23.9	-3	-99	-99	283	-0.5	-0.5	-99	3.7
196	GS-08-007	7740082	-99	5	-99	-99	-99	-50	-99	40	13.6	-0.2	-99	625	3	4.30	7	-99	10	1166	10	-99	57	-99	-99	0.7	6.9	-5	4.7	-100	358	0.7	-0.5	-10	7.5
197	GS-08-008	7740083	-99	-99	-99	-99	-99	-99	-99	40	13.5	-99	-99	509	2	-99	9	-99	9	1209	312	-99	58	-99	-99	-99	6.7	-99	-99	-99	417	-99	-99	-99	-99
198	GS-08-011	7741295	-99	-1	-1	-99	-99	-5	-0.01	11	-99	-99	-0.01	-99	-5	3.58	-99	55	143	-99	-99	-99	-30	-99	-99	1.0	31.2	-3	6.5	-99	-99	-1	-0.5	-99	-0.5
199	GS-08-016	7740084	-99	-99	-99	-99	-99	-99	-99	5	27.8	-99	-99	1726	-1	-99	10	-99	54	719	2	-99	11	-99	-99	-99	48.0	-99	-99	-99	65	-99	-99	-99	-99
200	GS-08-017	7740085	8	2.2	-99	0.8	-99	-99	-99	7	24.6	0.34	-99	1707	-1	-99	5.5	12.3	62	406	8	2.7	18	-99	-99	-99	41.5	-99	3.6	1	192	-0.5	0.6	-99	1.2
201	GS-08-019	7741296	-99	3.2	-1	-99	-99	-5	-99	24.3	-99	0.30	-99	-99	-2	-99	-99	10	58	-99	19	-99	-20	-99	1.63	0.7	35.6	-3	3.4	-99	218	-1	0.9	-99	3.3
202	GS-08-021	7741297	-99	2.5	-1	-99	-99	-5	-99	12.0	-99	0.41	-99	-99	-2	-99	-99	-5	54	-99	33	-99	-20	-99	0.058	0.8	45.3	-3	2.7	-99	187	-1	-0.5	-99	2.3
203	GS-08-022	7741298	-99	3.5	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	30	-99	-99	-99	56	-99	148	-99	-20	-99	0.123	1.0	35.6	-3	-99	-99	171	-1	-0.5	-99	3.2
204	GS-08-023	7741299	-99	-0.5	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	81	-99	-99	-99	51	-99	1880	-99	130	-99	0.085	1.7	33.4	6	-99	-99	241	-1	-0.5	-99	0.7
205	GS-08-025	7740086	8	2.1	-99	0.7	-99	-50	-99	7.4	18.0	0.34	-99	1837	-1	2.01	5.0	11.5	69	374	11	2.5	27	-99	-99	0.5	41.4	-5	3.1	2	211	-0.5	0.6	-10	1.1
206	GS-08-026	7741301	-99	2.8	-1	-99	-99	-5	-99	23.0	-99	0.36	-99	-99	96	-99	-99	7	74	-99	25	-99	-20	-99	2.12	0.6	31.5	-3	2.9	-99	161	-1	-0.5	-99	3.2
207	GS-08-027	7740087	8	2.0	-99	0.7	-99	-99	-99	7	15.7	0.30	-99	1571	-1	-99	5.0	11.1	69	379	6	2.4	17	-99	-99	-99	41.1	-99	3.0	-1	185	-0.5	0.6	-99	1.1
208	GS-08-028	7741302	-99	4	-1	-99	-99	-5	1.56	33.2	-99	0.24	1.65	801	25	2.44	-99	35	80	190	17	-99	50	-99	2.81	-0.1	25.4	-3	5.4	-99	39	-0.5	-0.5	-99	6.0
209	GS-08-031	7741303	-99	2.5	-1	-99	-99	-5	-99	17.0	-99	0.34	-99	-99	2	-99	-99	10	56	-99	14	-99	-20	-99	1.46	-0.2	26.6	-3	2.5	-99	60	-1	0.6	-99	2.4
210	GS-08-033	7741304	-99	7.0	-1	-99	-99	-5	-99	101	-99	0.38	-99	-99	8	-99	-99	34	3	-99	631	-99	-20	-99	0.728	-0.2	1.6	-3	6.0	-99	85	1	-0.5	-99	11.0
211	GS-08-034	7741305	-99	6.8	-1	-99	-99	-5	-99	98.4	-99	0.34	-99	-99	4	-99	-99	27	2	-99	267	-99	70	-99	0.231	0.4	1.6	-3	6.0	-99	96	-1	-0.5	-99	11.2
212	GS-08-035	7740088	3	0.5	-99	0.3	-99	-50	-99	1.4	23.5	0.14	-99	900	-1	1.01	1.2	1.7	220	89	6	0.3	42	-99	-99	0.3	36.7	-5	0.5	-1	194	-0.5	0.2	-10	-0.1
213	GS-08-036	7740089	8	2.1	-99	0.7	-99	-99	-99	7	16.6	0.31	-99	1739	-1	-99	5.1	12.0	62	393	7	2.5	11	-99	-99	-99	40.2	-99	3.1	-1	151	-0.5	0.6	-99	1.1
214	GS-08-037	7740091	8	2.0	-99	0.7	-99	-99	-99	11	22.9	0.31	-99	1691	-1	-99	5.8	15.4	74	495	8	3.4	27	-99	-99	-99	40.3	-99	3.4	1	239	-0.5	0.6	-99	1.6
215	GS-08-038	7741306	-99	4	-1	-99	-99	-5	0.71	22.6	-99	0.16	2.17	992	52	1.70	-99	22	53	240	12	-99	-15	-99	0.82	0.6	22.8	-3	3.7	-99	61	-0.5	-0.5	-99	4.9
216	GS-08-039	7741307	-99	4	-1	-99	-99	-5	2.02	23.3	-99	0.32	2.66	2260	41	1.00	-99	29	109	310	28	-99	103	-99	3.33	1.2	23.3	-3	4.2	-99	47	-0.5	-0.5	-99	5.9
217	GS-08-040	7741308	-99	6	-1	-99	-99	-5	1.35	28.4	-99	0.34	1.26	689	22	4.16	-99	26	63	320	58	-99	-15	-99	1.75	0.2	27.2	-3	5.3	-99	78	-0.5	-0.5	-99	8.8
218	GS-08-042	7741309	-99	2	-1	-99	-99	-5	0.69	8.8	-99	0.10	3.12	1730	20	1.78	-99	12	54	390	22	-99	50	-99	0.13	0.6	40.4	-3	2.9	-99	138	0.8	-0.5	-99	1.8
219	GS-08-043	7740092	9	2.5	-99	0.9	-99	-50	-99	11.5	11.3	0.40	-99	1507	-1	2.55	8.1	14.7	64	520	7	3.1	9	-99	-99	0.9	43.3	-5	3.6	1	122	-0.5	0.7	-10	1.8
220	GS-08-044	7740093	8	2.6	-99	0.9	-99	-99	-99	11	12.6	0.39	-99	1501	-1	-99	5.7	14.2	57	517	4	3.2	10	-99	-99	-99	42.8	-99	4.0	1	178	-0.5	0.8	-99	1.8
221	GS-08-045	7740094	7	2.1	-99	0.8	-99	-99	-99	8	10.8	0.31	-99	1622	-1	-99	4.6	12.2	64	407	7	2.7	15	-99	-99	-99	41.9	-99	3.5	1	170	-0.5	0.6	-99	1.2
222	GS-08-047	7741311	-99	5	-1	-99	-99	-5	0.65	17.0	-99	0.29	1.35	511	11	4.32	-99	23	100	380	6	-99	-15	-99	4.59	2.8	28.1	-3	4.4	-99	106	-0.5	1.7	-99	6.7
223	GS-08-048	7741312	-99	6	-1	-99	-99	-5	0.64	55.1	-99	0.37	0.98	415	20	4.21	-99	54	57	310	7	-99	-15	-99	3.2	0.6	28.0	-3	9.2	-99	76	-0.5	1.6	-99	6.7
224	GS-08-049	7741313	-99	5	-1	-99	-99	-5	0.17	14.5	-99	0.22	0.89	303	23	6.14	-99	10	94	220	4	-99	-15	-99	2.71	0.5	28.3	-3	3.2	-99	26	2.2	-0.5	-99	8.3
225	GS-08-050	7740095	6	4.2	-99	0.8	-99	-99	-99	13	23.9	0.32	-99	773	13	-99	11.4	12.2	232	115	-1	2.9	11	-99	-99	-99	28.2	-99	3.0	-1	46	0.8	0.6	-99	7.9
226	GS-08-053	7740096	-99	1	-99	-99	-99	-50	-99	1	34.4	0.2	-99	1130	-1	2.53	1.2	-99	113	221	2	-99	4	-99	-99	0.3	42.2	-5	1.4	-100	173	-0.5	-0.5	-10	-0.1
227	GS-08-054	7741314	-99	1	-1	-99	-99	-5	0.08	2.0	-99	-0.05	2.70	978	-1	4.36	-99	6	68	210	5	-99	-15	-99	0.01	1.6	34.4	-3	1.8	-99	217	-0.5	-0.5	-99	0.2
228	GS-08-055	7741315	-99	1	-1	-99	-99	-5	0.55	2.5	-99	0.13	3.79	1020	-1	1.96	-99	8	88	220	-3	-99	-15	-99	0.07	1.0	42.0	-3	1.4	-99	137	-0.5	-0.5	-99	0.6

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10					100, 10000		3					5000															200
Lower Detection Limit				0.1			0.1,				0.1,	0.04				0.01,			1 to		0.5 to	0.05,	0.2		0.001,	0.1 to		0.1		0.01		0.1 to	0.1,	0.1,	0.1 to
			0.1, 1	to 1	1	0.1	0.2	5, 50	0.01	0.5, 1	0.5	to 0.2	0.01	1	0.1 to 5	0.05	0.1, 1	0.1, 5	50	1	5	0.1	to 30	0.001	0.01	0.5	0.1, 1	to 5	0.1	to 100	0.2, 1	1	0.5	10	0.5
229	GS-08-057	7741316	-99	1	-1	-99	-99	-5	0.04	1.8	-99	-0.05	4.75	1450	-1	3.52	-99	6	74	170	9	-99	-15	-99	0.02	1.9	30.5	-3	1.3	-99	242	-0.5	-0.5	-99	0.2
230	GS-08-058	7741317	-99	4.0	-1	-99	-99	-5	-99	10.1	-99	0.53	-99	-99	-2	-99	-99	13	34	-99	10	-99	-20	-99	0.026	2.7	38.1	-3	3.0	-99	258	-1	0.8	-99	1.1
231	GS-08-059	7741318	-99	-0.5	-1	-99	-99	-5	-99	1.4	-99	-0.05	-99	-99	-2	-99	-99	-5	17	-99	7	-99	-20	-99	0.016	0.3	2.4	-3	0.3	-99	58	-1	-0.5	-99	-0.5
232	GS-08-060	7741319	-99	-0.5	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	25	-99	172	-99	-20	-99	0.048	1.1	4.6	-3	-99	-99	92	-1	-0.5	-99	-0.5
233	GS-08-061	7741321	-99	-0.5	-1	-99	-99	-5	-99	1.3	-99	-0.05	-99	-99	-2	-99	-99	-5	10	-99	-5	-99	-20	-99	0.021	0.4	3.0	-3	-0.1	-99	40	-1	-0.5	-99	-0.5
234	GS-08-062	7741322	-99	2.4	-1	-99	-99	-5	-99	6.9	-99	0.54	-99	-99	-2	-99	-99	6	46	-99	8	-99	-20	-99	0.069	2.0	32.3	-3	2.6	-99	299	-1	-0.5	-99	-0.5
235	GS-08-063	7740097	-99	-1	-99	-99	-99	-50	-99	2	6.5	-0.2	-99	1167	-1	3.99	-1.0	-99	91	119	5	-99	12	-99	-99	0.9	36.0	-5	0.7	-100	267	-0.5	-0.5	-10	-0.1
236	GS-08-064	7741323	-99	1.2	-1	-99	-99	-5	-99	2.1	-99	0.23	-99	-99	-2	-99	-99	-5	76	-99	-5	-99	-20	-99	0.021	1.8	31.0	-3	0.6	-99	281	-1	-0.5	-99	-0.5
237	GS-08-065	7741324	-99	1.8	-1	-99	-99	-5	-99	15.2	-99	-0.05	-99	-99	-2	-99	-99	-5	73	-99	26	-99	-20	-99	0.016	2.4	26.7	-3	-0.1	-99	211	-1	-0.5	-99	0.7
238	GS-08-066	7741325	-99	-0.5	-1	-99	-99	-5	-99	2.6	-99	0.25	-99	-99	-2	-99	-99	-5	78	-99	-5	-99	-20	-99	0.018	1.1	33.9	-3	0.6	-99	155	1	-0.5	-99	-0.5
239	GS-08-068	7740098	-99	1	-99	-99	-99	-50	-99	2	40.2	0.3	-99	1340	2	1.71	2	-99	107	231	6	-99	7	-99	-99	1.6	44.1	-5	1.7	-100	189	-0.5	0.5	-10	-0.1
240	GS-08-073	7741326	-99	-1	-1	-99	-99	-5	0.03	3.4	-99	-0.05	1.67	711	1	0.11	-99	11	12	170	6	-99	-15	-99	0.03	0.6	4.3	-3	1.7	-99	85	-0.5	-0.5	-99	0.3
241	GS-08-074	7740099	-99	6	-99	-99	-99	-50	-99	46	0.9	-0.2	-99	209	5	3.11	19	-99	1	28	10	-99	113	-99	-99	0.2	1.6	-5	6.6	-100	35	1.2	0.8	-10	16.0
242	GS-08-075	7740101	-99	-99	-99	-99	-99	-99	-99	12	18.5	-99	-99	1166	-1	-99	4	-99	39	587	5	-99	52	-99	-99	-99	27.4	-99	-99	-99	790	-99	-99	-99	-99
243	GS-08-076	7740102	-99	8	-99	-99	-99	-50	-99	43	1.4	-0.2	-99	186	2	3.96	41	-99	2	27	23	-99	64	-99	-99	0.2	1.6	-5	6.2	-100	37	3.0	0.9	-10	31.2
244	GS-08-078	7740103	-99	6	-99	-99	-99	-50	-99	49	4.8	-0.2	-99	1152	3	3.57	14	-99	9	1296	22	-99	89	-99	-99	0.4	16.1	-5	7.1	-100	328	0.8	0.8	-10	7.2
245	GS-08-079	7740104	-99	-99	-99	-99	-99	-99	-99	47	6.6	-99	-99	1159	2	-99	14	-99	10	1300	13	-99	91	-99	-99	-99	15.9	-99	-99	-99	300	-99	-99	-99	-99
246	GS-08-080	7740105	-99	-99	-99	-99	-99	-99	-99	41	7.3	-99	-99	754	2	-99	14	-99	5	609	14	-99	114	-99	-99	-99	11.0	-99	-99	-99	174	-99	-99	-99	-99
247	GS-08-081	7740106	-99	7	-99	-99	-99	-50	-99	46	8.5	-0.2	-99	1178	2	3.24	13	-99	8	1302	12	-99	89	-99	-99	0.3	16.7	-5	7.2	-100	313	-0.5	0.6	-10	6.8
248	GS-08-082	7740107	-99	-99	-99	-99	-99	-99	-99	53	1.5	-99	-99	174	4	-99	36	-99	2	36	21	-99	136	-99	-99	-99	2.5	-99	-99	-99	29	-99	-99	-99	-99
249	GS-08-083	7740108	-99	-99	-99	-99	-99	-99	-99	36	1.3	-99	-99	94	6	-99	35	-99	2	20	22	-99	64	-99	-99	-99	1.3	-99	-99	-99	17	-99	-99	-99	-99
250	GS-08-084	7740109	-99	-99	-99	-99	-99	-99	-99	39	1.4	-99	-99	60	2	-99	28	-99	2	21	13	-99	57	-99	-99	-99	1.6	-99	-99	-99	32	-99	-99	-99	-99
251	GS-08-088	7740111	-99	-99	-99	-99	-99	-99	-99	26	1.4	-99	-99	67	34	-99	11	-99	3	13	11	-99	46	-99	-99	-99	0.5	-99	-99	-99	18	-99	-99	-99	-99
252	GS-08-089	7740112	-99	-99	-99	-99	-99	-99	-99	29	5.1	-99	-99	2089	2	-99	19	-99	6	25	67	-99	26	-99	-99	-99	2.0	-99	-99	-99	163	-99	-99	-99	-99
253	GS-08-090	7740113	-99	8	-99	-99	-99	-50	-99	72	2.9	-0.2	-99	142	2	5.18	30	-99	2	71	29	-99	5	-99	-99	0.1	1.7	-5	5.3	-100	54	3.6	1.3	-10	34.5
254	GS-08-092	7740114	-99	-99	-99	-99	-99	-99	-99	72	8.9	-99	-99	214	1	-99	30	-99	2	66	11	-99	77	-99	-99	-99	1.5	-99	-99	-99	46	-99	-99	-99	-99
255	GS-08-095	7740115	-99	-99	-99	-99	-99	-99	-99	51	5.4	-99	-99	83	6	-99	24	-99	3	61	4	-99	2	-99	-99	-99	2.4	-99	-99	-99	39	-99	-99	-99	-99
256	GS-08-103	7741327	-99	5	-1	-99	-99	-5	1.99	29.0	-99	0.25	1.08	169	7	1.99	-99	26	172	380	294	-99	76	-99	5.93	6.0	21.6	-3	3.8	-99	53	-0.5	-0.5	-99	7.6
257	GS-08-104	7740116	-99	-99	-99	-99	-99	-99	-99	23	19.1	-99	-99	896	-1	-99	6	-99	11	935	10	-99	117	-99	-99	-99	26.3	-99	-99	-99	206	-99	-99	-99	-99
258	GS-08-107	7741328	-99	10	-1	-99	-99	-5	1.35	39.5	-99	0.41	0.53	393	-1	0.08	-99	32	12	210	10	-99	95	-99	0.01	1.8	6.4	-3	3.7	-99	58	-0.5	-0.5	-99	10.6
259	GS-08-128	7741329	-99	-1	-1	-99	-99	15	-0.01	12	-99	-99	-0.01	-99	-5	-0.05	-99	13	-50	-99	-99	-99	-30	-99	-99	0.7	1.2	143	3.3	-99	-99	-1	-0.5	-99	1.3
260	GS-08-129	7741331	-99	11	-1	-99	-99	-5	-0.01	42	-99	0.07	-0.01	-99	10	0.74	-99	73	-50	-99	-99	-99	-30	-99	-99	2.1	33.8	-3	7.5	-99	-99	3	-0.5	-99	4.8
261	GS-08-131	7741332	-99	4	-1	-99	-99	-5	0.04	16.7	-99	0.22	0.82	430	8	0.01	-99	8	25	500	67	-99	-15	-99	12.5	11.2	4.9	56	4.1	-99	10	1.8	-0.5	-99	1.8
262	GS-08-132	7741333	-99	-1	-1	-99	-99	-5	0.02	32.5	-99	-99	0.44	6390	3	-0.01	-99	96	441	2030	121	-99	-15	-99	0.12	1.9	6.2	-3	13.9	-99	44	-0.5	-0.5	-99	1.3
263	GS-08-133	7741334	-99	-1	-1	-99	-99	-5	0.02	34.0	-99	-99	0.59	5300	4	-0.01	-99	134	912	4060	238	-99	-15	-99	0.18	2.2	1.0	-3	18.2	-99	43	-0.5	-0.5	-99	0.2
264	GS-08-134	7741335	-99	9	-1	-99	-99	-5	-0.01	23	-99	0.23	-0.01	-99	-5	0.09	-99	17	-50	-99	-99	-99	156	-99	-99	0.5	9.8	-3	1.8	-99	-99	-1	-0.5	-99	7.3
265	GS-08-135	7741336	-99	0.6	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	7	-99	-99	-99	404	-99	115	-99	-20	-99	0.049	1.6	3.5	32	-99	-99	32	-1	-0.5	-99	0.8
266	GS-08-136	7740117	-99	-99	-99	-99	-99	-99	-99	14	181.7	-99	-99	1110	-1	-99	4	-99	20	1011	2	-99	39	-99	-99	-99	26.1	-99	-99	-99	566	-99	-99	-99	-99
267	GS-08-137	7740118	-99	-99	-99	-99	-99	-99	-99	50	11.1	-99	-99	198	-1	-99	14	-99	2	195	5	-99	137	-99	-99	-99	5.3	-99	-99	-99	138	-99	-99	-99	-99
268	GS-08-142	7741337	-99	2	-1	-99	-99	-5	-0.01	7	-99	0.23	-0.01	-99	30	-0.05	-99	10	-50	-99	-99	-99	-30	-99	-99	7.4	4.0	109	0.9	-99	-99	-1	-0.5	-99	1.8
269	GS-08-143	7741338	-99	5	-1	-99	-99	-5	-0.01	17	-99	0.56	-0.01	-99	13	-0.05	-99	29	-50	-99	-99	-99	79	-99	-99	1.2	23.4	-3	2.9	-99	-99	-1	-0.5	-99	2.1
270	GS-08-144	7741339	-99	4	-1	-99	-99	-5	2.00	12.7	-99	0.31	1.48	655	42	0.04	-99	17	293	540	107	-99	52	-99	9.48	14.2	32.4	44	4.0	-99	22	-0.5	0.7	-99	1.7
271	GS-08-145	7741341	-99	6	-1	-99	-99	-5	1.67	32.3	-99	0.26	0.35	106	1	1.14	-99	25	10	270	-3	-99	90	-99	0.08	1.4	3.6	-3	3.0	-99	30	-0.5	-0.5	-99	8.5
272	GS-08-146	7741342	-99	7	-1	-99	-99	-5	1.86	33.6	-99	0.46	0.34	234	1	0.10	-99	25	10	220	-3	-99	103	-99	0.1	2.0	5.6	-3	3.7	-99	22	1.0	0.8	-99	12.0
273	GS-08-150	7741343	-99	-1	-1	-99	-99	-5	-0.01	2	-99	0.35	-0.01	-99	13	4.38	-99	14	-50	-99	-99	-99	-30	-99	-99	1.6	35.1	-3	1.2	-99	-99	-1	-0.5	-99	-0.5
274	GS-08-151	7741344	-99	2	-1	-99	-99	-5	0.16	6.7	-99	0.07	4.29	1950	-1	1.33	-99	19	110	980	7	-99	-15	-99	0.15	1.2	20.0	-3	2.8	-99	155	-0.5	-0.5	-99	0.7
275	GS-08-152	7740119	-99	-99	-99	-99	-99	-99	-99	27	97.3	-99	-99	303	-1	-99	7	-99	20	227	6	-99	48	-99	-99	-99	5.1	-99	-99	-99	30	-99	-99	-99	-99
276	GS-08-153	7741345	-99	2	-1	-99	-99	-5	-0.01	3	-99	0.17	-0.01	-99	-5	1.34	-99	-5	-50	-99	-99	-99	-30	-99	-99	0.5	44.2	-3	1.4	-99	-99	-1	-0.5	-99	1.0
277	GS-08-154	7741346	-99	3	-1	-99	-99	-5	-0.01	4	-99	-0.05	-0.01	-99	-5	1.61	-99	18	-50	-99	-99	-99	-30	-99	-99	-0.2	35.1	-3	2.2	-99	-99	-1	-0.5	-99	-0.5
278	GS-08-156	7741347	-99	2	-1	-99	-99	-5	-0.01	5	-99	-0.05	-0.01	-99	-5	0.08	-99	21	-50	-99	-99	-99	-30	-99	-99	0.7	45.5	-3	2.1	-99	-99	-1	-0.5	-99	-0.5
279	GS-08-158	7741348	-99	6	-1	-99	-99	-5	0.52	31.7	-99	0.25	3.13	701	23	1.92	-99	49	402	790	20	-99	-15	-99	7.2	9.4	20.3	5	6.4	-99	129	-0.5	-0.5	-99	4.3
280	GS-08-161	7741349	-99	2	-1	-99	-99	-5	0.12	21.4	-99	-0.05	6.80	371	-1	2.57	-99	18	14	190	-3	-99	-15	-99	0.07	0.5	5.8	-3	2.3	-99	151	1.6	-0.5	-99	6.1
281	GS-08-175	7740121	4	11.0	-99	1.5	-99	-99	-99	80	6.6	0.66	-99	376	2	-99	20.1	62.6	3	258	28	17.7	164	-99	-99	-99	6.9	-99	10.3	3	98	1.7	1.3	-99	18.7
282	GS-08-176	7740122	4	10.6	-99	1.5	-99	-50	-99	75.6	5.6	0.67	-99	244	2	2.54	18.7	61.8	2	174	16	17.0	149	-99	-99	0.1	5.5	-5	9.8	-1	83	1.8	1.3	-10	18.1
283	GS-08-177	7740123	6	2.9	-99	0.8	-99	-99	-99	10	32.7	0.33	-99	1435	2	-99	3.7	18.3	51	977	85	3.8	86	-99	-99	-99	25.5	-99	4.6	2	432	-0.5	0.8	-99	0.5
284	GS-08-179	7740124	7	2.6	-99	1.0	-99	-99	-99	32	24.9	0.36	-99	1410	-1	-99	2.6	42.5	87	4112	10	9.5	116	-99	-99	-99	29.1	-99	7.9	2	639	-0.5	1.0	-99	0.5
285	GS-08-180	7740125	5	1.5	-99	0.6	-99	-99	-99	6	15.5	0.26	-99	1130	-1	-99	-1.0	6.7	84	371	9	1.3	33	-99	-99	-99	22.1	-99	2.3	-1	287	-0.5	0.5	-99	0.1

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10						100, 10000	3					5000														200
Lower Detection Limit			0.1, 1	0.1 to 1	1	0.1	0.1, 0.2	5, 50	0.01	0.5, 1	0.1, 0.5	0.04 to 0.2	0.01	1	0.1 to 5	0.01 to 0.05	0.1, 1	0.1, 5	1 to 50	1	0.5 to 5	0.05, 0.1	0.2 to 30	0.001	0.001, 0.01	0.1 to 0.5	0.1, 1	0.1 to 5	0.01 to 0.1	0.01 to 100	0.2, 1	0.1 to 1	0.1, 0.5	0.1, 10	0.1 to 0.5
286	GS-08-181	7740126	6	10.5	-99	1.5	-99	-99	-99	78	4.5	0.68	-99	311	2	-99	18.7	62.9	3	146	26	17.5	155	-99	-99	-99	5.2	-99	10.2	4	85	1.5	1.3	-99	19.5
287	GS-08-182	7740127	3	10.4	-99	1.5	-99	-99	-99	81	3.2	0.76	-99	152	22	-99	17.7	65.4	4	111	11	18.6	132	-99	-99	-99	4.6	-99	9.6	3	158	1.4	1.4	-99	20.7
288	GS-08-183	7740128	6	2.3	-99	0.7	-99	-99	-99	22	26.6	0.30	-99	1335	3	-99	2.9	23.4	28	955	11	5.9	48	-99	-99	-99	33.3	-99	4.8	1	483	-0.5	0.7	-99	3.2
289	GS-08-184	7740129	4	8.7	-99	1.5	-99	-50	-99	80.2	5.3	0.73	-99	159	8	2.51	16.7	62.2	3	77	43	18.1	141	-99	-99	0.1	3.6	-5	10.6	3	54	1.3	1.2	-10	21.8
290	GS-08-185	7740131	5	8.4	-99	2.8	-99	-99	-99	84	2.9	1.24	-99	82	2	-99	33.1	71.2	2	127	56	19.6	185	-99	-99	-99	1.8	-99	14.2	8	23	3.3	2.2	-99	26.3
291	GS-08-187	7740132	6	8.4	-99	2.3	-99	-99	-99	101	10.9	1.08	-99	124	3	-99	26.4	80.1	3	33	38	22.4	219	-99	-99	-99	3.1	-99	14.1	4	28	2.5	1.9	-99	22.8
292	GS-08-188	7740133	4	1.6	-99	0.6	-99	-99	-99	14	16.5	0.28	-99	1260	-1	-99	3.6	17.4	75	694	12	4.1	41	-99	-99	-99	35.4	-99	4.0	-1	424	-0.5	0.5	-99	3.0
293	GS-08-189	7740134	8	4.3	-99	1.1	-99	-99	-99	67	39.9	0.31	-99	1182	-1	-99	9.1	77.9	39	6641	16	18.7	44	-99	-99	-99	19.6	-99	13.3	1	1198	0.6	1.2	-99	1.5
294	GS-08-190	7740135	4	6.8	-99	1.8	-99	-99	-99	91	4.7	0.84	-99	103	-1	-99	29.4	69.6	2	35	23	19.6	122	-99	-99	-99	2.7	-99	11.7	3	35	1.8	1.5	-99	21.6
295	GS-08-191	7740136	6	7.2	-99	1.5	-99	-99	-99	81	8.8	0.87	-99	154	1	-99	71.0	57.7	2	21	36	17.0	139	-99	-99	-99	2.3	-99	9.9	4	28	5.3	1.3	-99	46.7
296	GS-08-192	7741351	-99	5.6	-1	-99	-99	-5	-99	44.3	-99	0.54	-99	-99	-2	-99	-99	12	4	-99	48	-99	162	-99	0.008	0.4	2.3	-3	2.3	-99	21	-1	-0.5	-99	23.6
297	GS-08-193	7740137	8	13.5	-99	2.4	-99	-50	-99	108.5	22.1	1.07	-99	501	2	2.62	30.4	94.8	4	297	26	25.7	180	-99	-99	0.3	7.4	-5	16.1	2	111	2.1	2.0	-10	17.1
298	GS-08-195	7740211	3	1.9	-99	0.6	-99	-99	-99	47	1.5	0.51	-99	109	-1	-99	10.9	25.0	5	16	39	7.7	229	-99	-99	-99	1.8	-99	4.1	2	45	0.7	0.5	-99	22.3
299	GS-08-196	7740138	10	17.7	-99	3.0	-99	-50	-99	148.7	14.9	1.36	-99	676	3	2.55	35.9	129.6	6	494	27	35.0	137	-99	-99	-0.1	9.0	-5	21.5	4	126	2.3	2.7	-10	18.9
300	GS-08-198	7740139	6	10.4	-99	2.9	-99	-50	-99	83.5	1.1	1.33	-99	89	2	3.08	34.5	69.0	2	18	27	19.4	172	-99	-99	0.2	1.5	-5	14.3	5	22	3.6	2.2	-10	28.4
301	GS-08-199	7740141	7	13.1	-99	4.6	-99	-99	-99	119	4.7	2.19	-99	251	4	-99	50.3	99.8	2	37	59	27.2	192	-99	-99	-99	1.2	-99	19.4	7	32	4.4	3.2	-99	24.4
302	GS-08-200	7741352	-99	14	-1	-99	-99	-5	-0.01	85	-99	0.98	-0.01	-99	-5	2.87	-99	59	-50	-99	-99	-99	182	-99	-99	-0.2	5.6	-3	8.3	-99	-99	-1	-0.5	-99	19.6
303	GS-08-201	7740142	6	12.9	-99	1.6	-99	-99	-99	78	7.7	0.78	-99	433	2	-99	24.2	65.3	5	310	30	17.6	119	-99	-99	-99	7.8	-99	10.8	4	119	1.9	1.3	-99	16.2
304	GS-08-202	7741353	-99	10.4	-1	-99	-99	-5	-99	90.3	-99	0.72	-99	-99	-2	-99	-99	40	1	-99	27	-99	55	-99	0.009	-0.2	7.5	-3	7.6	-99	97	-1	1.3	-99	14.9
305	GS-08-203	7741354	-99	12.9	-1	-99	-99	-5	-99	134	-99	1.10	-99	-99	9	-99	-99	57	2	-99	105	-99	79	-99	0.109	0.6	14.4	-3	11.8	-99	100	-1	2.1	-99	20.0
306	GS-08-204	7740143	6	4.3	-99	1.2	-99	-50	-99	59.3	26.4	0.49	-99	1128	-1	3.01	12.9	49.0	16	2409	7	12.8	81	-99	-99	0.1	15.9	-5	8.0	-1	551	0.6	1.1	-10	6.7
307	GS-08-205	7740144	6	9.4	-99	1.5	-99	-50	-99	84.3	9.3	0.69	-99	269	2	2.47	23.4	65.4	2	126	28	18.6	141	-99	-99	-0.1	4.7	-5	10.7	3	73	2.1	1.3	-10	19.2
308	GS-08-206	7740145	4	6.7	-99	1.2	-99	-50	-99	56.8	17.6	0.61	-99	358	1	2.85	12.3	51.5	5	209	20	14.2	168	-99	-99	0.2	5.7	-5	8.6	2	156	1.4	1.0	-10	17.5
309	GS-08-207	7740146	5	11.6	-99	1.5	-99	-99	-99	78	9.2	0.71	-99	393	3	-99	14.0	62.4	4	257	30	17.3	123	-99	-99	-99	7.0	-99	10.7	2	108	1.7	1.3	-99	16.5
310	GS-08-208	7740147	7	9.1	-99	2.8	-99	-99	-99	119	9.6	1.38	-99	186	4	-99	15.6	94.1	2	51	43	27.1	126	-99	-99	-99	2.8	-99	16.0	6	33	2.6	2.2	-99	36.2
311	GS-08-209	7740212	10	14.1	-99	3.0	-99	-99	-99	137	7.4	1.27	-99	412	2	-99	26.2	121.8	9	426	37	32.8	14	-99	-99	-99	7.6	-99	20.3	3	121	1.5	2.4	-99	18.3
312	GS-08-210	7740213	7	13.3	-99	2.7	-99	-99	-99	109	35.7	1.20	-99	622	2	-99	24.5	95.4	17	503	26	25.7	70	-99	-99	-99	12.5	-99	16.7	4	164	1.4	2.2	-99	16.4
313	GS-08-211	7741355	-99	5.5	-1	-99	-99	-5	-99	54.8	-99	0.82	-99	-99	-2	-99	-99	26	28	-99	59	-99	-20	-99	0.037	1.5	25.7	-3	5.2	-99	213	-1	1.5	-99	10.4
314	GS-08-212	7741356	-99	7.0	-1	-99	-99	-5	-99	94.5	-99	0.49	-99	-99	11	-99	-99	38	1	-99	79	-99	-20	-99	0.046	-0.2	3.9	-3	6.2	-99	55	3	-0.5	-99	16.2
315	GS-08-213	7741357	-99	9.3	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	-1	-99	353	-99	-20	-99	0.017	-0.2	6.6	-3	-99	-99	150	-1	2.5	-99	23.3
316	GS-08-214	7741358	-99	12.7	-1	-99	-99	-5	-99	175	-99	1.22	-99	-99	-2	-99	-99	64	2	-99	77	-99	-20	-99	0.035	0.6	5.0	-3	10.4	-99	99	5	-0.5	-99	18.2
317	GS-08-215	7740148	6	11.0	-99	1.5	-99	-50	-99	74.3	6.7	0.70	-99	377	2	2.80	14.0	61.4	4	280	29	17.1	132	-99	-99	0.1	7.5	-5	10.3	2	105	1.7	1.3	-10	16.3
318	GS-08-216	7741359	0.6	12.3	-1	3.7	0.1	-5	0.33	79.8	76.3	2.48	0.78	424	84	6.49	38.1	74.5	1.1	-99	41.8	21	54.7	0.040	-99	-0.2	2.2	-3	14.4	16	25.5	3.4	2.1	0.4	32.5
319	GS-08-217	7740149	5	1.4	-99	0.9	-99	-50	-99	15.3	34.6	0.34	-99	1516	-1	2.51	1.3	25.3	112	3171	6	5.3	25	-99	-99	-0.1	30.3	-5	5.4	-1	755	-0.5	0.8	-10	0.2
320	GS-08-218	7741361	-99	19.9	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	2	-99	534	-99	-20	-99	0.017	-0.2	8.2	-3	-99	-99	128	-1	-0.5	-99	15.8
321	GS-08-219	7741362	-99	10.4	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	2	-99	279	-99	-20	-99	0.009	-0.2	2.6	-3	-99	-99	47	3	0.6	-99	7.0
322	GS-08-220	7741363	-99	7.8	-1	-99	-99	-5	-99	133	-99	0.62	-99	-99	2	-99	-99	56	1	-99	23	-99	48	-99	0.055	-0.2	2.4	-3	9.8	-99	38	-1	0.9	-99	10.6
323	GS-08-221	7741364	-99	12	-1	-99	-99	-5	0.10	-99	-99	-99	2.30	1290	-1	6.13	-99	-99	25	930	498	-99	-15	-99	0.08	1.1	22.9	-3	-99	-99	368	3.9	1.5	-99	8.8
324	GS-08-222	7741365	-99	11	-1	-99	-99	-5	0.23	-99	-99	-99	1.42	1150	-1	5.57	-99	-99	24	1500	949	-99	-15	-99	0.05	-0.1	21.0	6	-99	-99	336	1.1	-0.5	-99	8.9
325	GS-08-224	7740151	4	1.8	-99	0.4	-99	-99	-99	16	48.2	0.18	-99	1252	2	-99	3.2	18.0	424	859	8	4.4	65	-99	-99	-99	26.0	-99	3.5	1	527	-0.5	0.4	-99	3.8
326	GS-08-225	7740152	5	6.0	-99	1.6	-99	-50	-99	33.1	36.0	0.65	-99	1378	-1	2.77	8.5	36.8	41	1544	12	8.7	74	-99	-99	0.9	33.4	-5	7.6	2	303	0.6	1.2	-10	5.2
327	GS-08-226	7740153	4	3.9	-99	0.7	-99	-99	-99	29	56.0	0.35	-99	839	-1	-99	8.0	27.8	20	811	28	7.1	72	-99	-99	-99	20.0	-99	5.0	-1	392	0.6	0.6	-99	6.0
328	GS-08-228	7741366	-99	3.2	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	47	-99	209	-99	35	-99	0.022	1.4	17.9	-3	-99	-99	1031	-1	0.9	-99	1.4
329	GS-08-229	7740154	4	8.4	-99	1.3	-99	-99	-99	50	17.0	0.62	-99	626	2	-99	13.7	46.4	6	1030	20	12.2	112	-99	-99	-99	8.7	-99	8.6	2	329	1.0	1.1	-99	6.0
330	GS-08-231	7741367	-99	10	-1	-99	-99	-5	-0.01	-99	-99	-99	-0.01	-99	-5	6.23	-99	-99	258	-99	-99	-99	-30	-99	-99	-0.2	21.2	-3	-99	-99	-99	-1	-0.5	-99	8.4
331	GS-08-233	7740155	5	6.8	-99	1.2	-99	-50	-99	45.6	17.6	0.48	-99	1130	-1	6.11	13.5	45.5	32	1308	33	11.5	23	-99	-99	0.4	21.1	-5	8.2	2	416	1.0	1.1	-10	8.5
332	GS-08-234	7740156	4	1.6	-99	0.7	-99	-99	-99	9	70.0	0.30	-99	1263	-1	-99	1.8	12.3	108	755	21	2.7	64	-99	-99	-99	30.5	-99	3.1	-1	410	-0.5	0.6	-99	0.5
333	GS-08-235	7740157	5	6.9	-99	1.2	-99	-50	-99	47.7	23.1	0.50	-99	1016	1	6.07	13.5	46.8	31	1357	35	12.1	18	-99	-99	0.8	21.2	-5	8.4	2	357	1.1	1.1	-10	8.8
334	GS-08-237	7741368	-99	12.1	-1	-99	-99	-5	-99	78.6	-99	0.84	-99	-99	-2	-99	-99	43	4	-99	25	-99	120	-99	0.044	0.7	9.8	-3	8.1	-99	154	-1	1.6	-99	12.1
335	GS-08-238	7741369	-99	6	-1	-99	-99	-5	-0.01	30	-99	0.53	-0.01	-99	12	3.92	-99	28	-50	-99	-99	-99	-30	-99	-99	0.5	24.3	-3	4.6	-99	-99	-1	-0.5	-99	6.9
336	GS-08-239	7741371	-99	5.9	-1	-99	-99	-5	-99	54.2	-99	0.45	-99	-99	2	-99	-99	24	20	-99	13	-99	-20	-99	0.142	0.5	19.7	-3	5.9	-99	345	2	1.1	-99	7.3
337	GS-08-240	7741372	-99	7.0	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	20	-99	587	-99	-20	-99	0.05	-0.2	18.2	-3	-99	-99	505	-1	-0.5	-99	10.9
338	GS-08-241	7741373	-99	6.2	-1	-99	-99	-5	-99	62.1	-99	0.43	-99	-99	-2	-99	-99	23	21	-99	56	-99	-20	-99	0.056	0.8	21.1	-3	5.4	-99	404	-1	1.1	-99	8.1
339	GS-08-242	7741374	-99	7	-1	-99	-99	-5	-0.01	51	-99	-99	-0.01	-99	53	6.39	-99	51	-50	-99	-99	-99	-30	-99	-99	1.4	18.9	-3	9.9	-99	-99	-1	-0.5	-99	8.3
340	GS-08-244	7741375	-99	6	-1	-99	-99	-5	-0.01	43	-99	0.11	-0.01	-99	20	1.71	-99	14	-50	-99	-99	-99	124	-99	-99	-0.2	13.4	-3	4.5	-99	-99	-1	-0.5	-99	6.2
341	GS-08-245	7741376	-99	6	-1	-99	-99	-5	-0.01	-99	-99	-99	-0.01	-99	-5	3.95	-99	-99	296	-99	-99	-99	-30	-99	-99	-0.2	24.7	9	-99	-99	-99	-1	-0.5	-99	6.7
342	GS-08-246	7741377	-99	7	-1	-99	-99	-5	-0.01	-99	-99	-99	-0.01	-99	-5	6.27	-99	-99	324	-99	-99	-99	-30	-99	-99	-0.2	18.3	10	-99	-99	-99	-1	-0.5	-99	16.0

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10						100, 10000	3					5000														200
Lower Detection Limit				0.1			0.1,				0.1,	0.04				0.01,			1 to		0.5 to	0.05,	0.2		0.001,	0.1 to		0.1		0.01		0.1 to	0.1,	0.1,	0.1 to
			0.1, 1	to 1	1	0.1	0.2	5, 50	0.01	0.5, 1	0.5	to 0.2	0.01	1	0.1 to 5	0.05	0.1, 1	0.1, 5	50	1	5	0.1	to 30	0.001	0.01	0.5	0.1, 1	to 5	0.1	to 100	0.2, 1	1	0.5	10	0.5
343	GS-08-247	7740198	-99	9	-99	-99	-99	-50	-99	38	2.0	-0.2	-99	395	-1	2.89	12	-99	5	53	37	-99	101	-99	-99	0.6	2.3	-5	2.4	-100	51	1.0	0.8	-10	8.8
344	GS-08-249	7741378	-99	11	-1	-99	-99	-5	0.95	40.6	-99	0.74	0.35	526	5	5.28	-99	74	7	900	25	-99	-15	-99	3.25	-0.1	7.3	-3	10.3	-99	131	-0.5	2.2	-99	11.5
345	GS-08-250	7741379	-99	11	-1	-99	-99	-5	-0.01	34	-99	3.15	-0.01	-99	73	3.54	-99	55	-50	-99	-99	-99	162	-99	-99	0.5	31.1	-3	10.7	-99	-99	-1	3.2	-99	53.2
346	GS-08-251	7741381	-99	11	-1	-99	-99	-5	-0.01	34	-99	0.61	-0.01	-99	-5	5.14	-99	24	-50	-99	-99	-99	-30	-99	-99	-0.2	5.9	-3	6.3	-99	-99	-1	-0.5	-99	7.7
347	GS-08-252A	7741382	-99	4.8	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	1	-99	430	-99	-20	-99	0.002	-0.2	4.4	-3	-99	-99	425	-1	-0.5	-99	8.1
348	GS-08-252B	7740259	-99	7	-99	-99	-99	-50	-99	24	19.5	-0.2	-99	561	-1	7.85	9	-99	-1	30	129	-99	12	-99	-99	-0.1	3.6	-5	1.7	-100	344	1.6	-0.5	-10	7.9
349	GS-08-253	7740199	-99	18	-99	-99	-99	-50	-99	82	5.8	1.1	-99	189	3	2.50	38	-99	4	15	12	-99	151	-99	-99	0.2	0.6	-5	12.8	-100	52	3.1	1.9	-10	26.7
350	GS-08-254	7741383	0.6	4.5	-1	1.8	0.1	-5	1.05	28.2	71	1.05	1.94	2240	176	3.96	3	37.9	7.6	-99	68	8.7	55.5	0.041	-99	-0.2	32.4	-3	8.4	-1	414	-0.1	1.3	0.4	7.2
351	GS-08-255	7741384	-99	10.0	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	2	-99	938	-99	-20	-99	0.003	0.7	9.7	-3	-99	-99	341	-1	-0.5	-99	13.9
352	GS-08-256	7740201	-99	-99	-99	-99	-99	-99	-99	11	47.7	-99	-99	148	-1	-99	9	-99	4	112	51	-99	2	-99	-99	-99	1.5	-99	-99	-99	45	-99	-99	-99	-99
353	GS-08-257	7741385	-99	4	-1	-99	-99	-5	-0.01	17	-99	-99	-0.01	-99	-5	4.37	-99	34	-50	-99	-99	-99	-30	-99	-99	-0.2	1.5	-3	5.4	-99	-99	-1	-0.5	-99	4.8
354	GS-08-259	7741386	-99	7	-1	-99	-99	-5	-0.01	15	-99	-99	-0.01	-99	68	5.27	-99	17	-50	-99	-99	-99	-30	-99	-99	0.9	2.1	-3	3.6	-99	-99	-1	-0.5	-99	18.2
355	GS-08-260	7741387	0.9	4.1	-99	1.3	0.1	-99	1.06	17.3	68	0.1	4.24	1910	204	1.28	6.1	22.9	53	-99	1030	6.7	79.1	0.658	-99	0.2	-99	2	5.1	3	80.6	0.2	0.9	0.2	8.4
356	GS-08-262	7741388	0.3	6.6	-99	2.7	0.1	-99	0.19	34.3	26	0.8	4.40	1690	416	0.33	10.3	37.7	62	-99	-5000	10.6	14.6	9.78	-99	1.3	-99	2.4	8.3	4	159	0.4	1.8	0.3	23.1
357	GS-08-263	7740202	5	2.0	-99	1.0	-99	-99	-99	2	20.9	0.44	-99	1733	-1	-99	2.0	8.4	46	414	10	1.5	12	-99	-99	-99	48.7	-99	2.8	-1	173	-0.5	0.7	-99	0.2
358	GS-08-264	7741389	-99	-1	-1	-99	-99	-5	0.02	0.8	-99	-0.05	0.09	188	3	0.02	-99	6	5	200	10	-99	-15	-99	0.02	0.4	0.4	-3	0.2	-99	2	-0.5	-0.5	-99	0.2
359	GS-08-265	7741391	-99	-1	-1	-99	-99	-5	-0.01	6	-99	-99	-0.01	-99	77	2.69	-99	20	-50	-99	-99	-99	-30	-99	-99	-0.2	53.3	-3	3.1	-99	-99	-1	-0.5	-99	-0.5
360	GS-08-266	7741392	-99	6	-1	-99	-99	-5	1.92	41.8	-99	-99	1.87	1430	4	1.39	-99	62	5	1090	343	-99	38	-99	0.68	1.2	34.8	-3	11.5	-99	166	-0.5	-0.5	-99	6.6
361	GS-08-267	7741393	-99	4	-1	-99	-99	-5	0.83	52.3	-99	-99	2.28	1490	215	0.79	-99	109	58	510	407	-99	-15	-99	0.45	1.0	21.2	-3	24.6	-99	127	-0.5	-0.5	-99	4.1
362	GS-08-268	7741394	0.8	6	-1	0.5	-0.1	-5	1.44	9.1	21.9	0.3	1.00	555	3240	3.98	16	11.1	28	330	535	2.7	35.2	1.31	1.45	2.4	29.6	-3	2.4	3	134	0.7	0.3	0.4	5.5
363	GS-08-269	7741395	-99	4.6	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	2	-99	-99	-99	2	-99	250	-99	54	-99	0.016	1.3	4.9	-3	-99	-99	256	-1	-0.5	-99	16.5
364	GS-08-270	7741396	-99	5.1	-1	-99	-99	-5	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	7	-99	656	-99	-20	-99	0.006	1.0	4.8	-3	-99	-99	254	-1	-0.5	-99	15.6
365	GS-08-271	7741397	0.3	6.7	-99	1.2	-0.1	-99	0.78	8.8	26.5	0.1	1.44	929	80.5	-3.00	13.1	14.8	70	-99	1170	4.2	30.3	0.332	-99	0.6	-99	1.6	3.6	4	262	0.7	0.8	0.1	5.8
366	GS-08-272	7741398	-99	6	-1	-99	-99	-5	-0.01	7	-99	0.17	-0.01	-99	18	2.68	-99	-5	-50	-99	-99	-99	143	-99	-99	0.4	26.0	-3	0.9	-99	-99	-1	-0.5	-99	6.4
367	GS-08-273	7741399	0.6	5.5	-99	1.8	0.1	-99	1.14	14.2	18.3	0.2	1.81	1390	633	2.42	6.1	22.8	26	-99	4650	6.5	50.9	1.68	-99	0.7	-99	2.3	5.5	4	143	0.1	1.2	0.1	45.2
368	GS-08-274	7741401	0.7	9.8	-1	2.3	-0.1	-5	4.03	52.4	1.1	1.53	0.01	490	936	3.38	23.2	58.7	4.7	-99	2960	15.2	121	0.006	-99	9.6	7.2	-3	10.8	3	81.6	0.8	1.5	0.5	5.9
369	GS-08-275	7741402	-99	13	-1	-99	-99	-5	3.00	121	-99	-99	0.20	2030	1310	2.74	-99	125	5	150	949	-99	100	-99	1.35	5.5	6.8	-3	26.9	-99	137	-0.5	2.3	-99	9.9
370	GS-08-276	7741403	0.6	10.7	-1	2.8	0.2	-5	2.39	39	9.2	1.1	0.21	1920	4310	3.80	24	58.4	6	230	1690	14.7	86.7	2.26	1.65	7.6	12.7	-3	11.3	5	118	0.8	1.8	0.5	5.7
371	GS-08-277	7741404	-99	16	-1	-99	-99	-5	3.19	96.1	-99	1.46	0.09	1050	229	3.50	-99	95	6	190	816	-99	121	-99	1.42	2.0	11.3	-3	15.1	-99	107	1.8	2.7	-99	9.9
372	GS-08-278	7741405	-99	12	-1	-99	-99	-5	0.29	79.8	-99	1.24	0.06	672	30	5.42	-99	77	5	240	624	-99	-15	-99	2.54	1.4	10.8	-3	11.1	-99	115	-0.5	2.2	-99	7.2
373	GS-08-281	7741406	-99	11	-1	-99	-99	-5	-0.01	-99	-99	-99	-0.01	-99	-5	7.22	-99	-99	173	-99	-99	-99	-30	-99	-99	0.8	14.6	-3	-99	-99	-99	-1	3.1	-99	35.4
374	GS-08-282	7740203	-99	23	-99	-99	-99	-50	-99	93	25.2	1.1	-99	638	-1	5.76	31	-99	6	151	15	-99	-2	-99	-99	0.4	1.4	-5	21.2	-100	67	2.4	2.8	-10	18.0
375	GS-08-283	7741407	-99	13	-1	-99	-99	-5	-0.01	65	-99	-99	-0.01	-99	-5	7.19	-99	107	169	-99	-99	-99	-30	-99	-99	-0.2	10.7	-3	16.9	-99	-99	-1	1.3	-99	8.0
376	GS-08-284	7741408	0.7	11.7	-1	2.5	-0.1	-5	0.05	47.5	4.5	1.17	0.16	648	1560	6.05	26.1	64.2	1.5	-99	113	15	-0.2	0.019	-99	0.5	12.6	-3	13.2	3	69	0.9	1.8	0.4	5.4
377	GS-08-285	7741409	-99	11	-1	-99	-99	-5	-0.01	9	-99	0.65	-0.01	-99	-10000	5.03	-99	43	-50	-99	-99	-99	-30	-99	-99	-0.2	8.6	-3	4.7	-99	-99	-1	-0.5	-99	1.8
378	GS-08-286	7741411	-99	5	-1	-99	-99	-5	-0.01	7	-99	1.11	-0.01	-99	30	2.12	-99	27	-50	-99	-99	-99	-30	-99	-99	0.8	39.0	-3	4.2	-99	-99	-1	-0.5	-99	-0.5
379	GS-08-288	7740204	-99	13	-99	-99	-99	-50	-99	69	1.7	0.5	-99	264	-1	3.07	17	-99	4	103	15	-99	129	-99	-99	0.9	2.8	-5	11.0	-100	62	1.1	0.9	-10	14.0
380	GS-08-289	7741412	-99	-1	-1	-99	-99	-5	-0.01	3	-99	-0.05	-0.01	-99	62	-0.05	-99	9	-50	-99	-99	-99	-30	-99	-99	-0.2	0.1	-3	1.2	-99	-99	-1	-0.5	-99	0.7
381	GS-08-290	7741413	-99	-1	-1	-99	-99	-5	0.06	2.5	-99	0.13	0.14	480	41	0.13	-99	7	217	60	23	-99	-15	-99	16.4	0.4	4.7	20	0.9	-99	16	-0.5	0.7	-99	0.2
382	GS-08-291	7741414	-99	3	-1	-99	-99	-5	0.61	33.2	-99	-99	3.67	5580	7	0.61	-99	65	8	820	492	-99	-15	-99	0.32	2.7	10.8	-3	12.7	-99	82	-0.5	0.7	-99	2.5
383	GS-08-292	7741415	0.3	16.8	-1	4.7	0.1	-5	1.84	20.5	11.7	2.3	0.23	981	-10000	3.37	46.3	27.2	4.8	270	2530	6.2	52.5	1.10	3.21	1.4	2.8	-3	8.4	8	119	1.8	2.3	1.7	23.7
384	GS-08-293	7741416	0.2	10.1	-99	3.9	0.1	-99	0.97	75.4	3.5	1.5	0.06	597	6010	-3.00	22.8	77.8	1.3	-99	955	24.3	27.7	0.056	-99	0.7	-99	1.7	13.3	2	101	1.2	2.4	0.3	15.4
385	GS-08-294	7741417	-99	4.2	-1	-99	-99	-5	-99	34.4	-99	0.40	-99	-99	-2	-99	-99	13	7	-99	9	-99	-20	-99	0.034	0.7	4.5	-3	3.5	-99	135	-1	-0.5	-99	7.1
386	GS-08-296	7741418	-99	3.9	-1	-99	-99	-5	-99	21.9	-99	0.61	-99	-99	-2	-99	-99	18	64	-99	22	-99	137	-99	0.247	2.6	30.6	-3	4.8	-99	164	-1	1.3	-99	0.7
387	GS-08-297	7741419	-99	5	-1	-99	-99	-5	-0.01	-99	-99	-99	-0.01	-99	-5	2.55	-99	-99	231	-99	-99	-99	149	-99	-99	2.5	28.4	-3	-99	-99	-99	-1	-0.5	-99	-0.5
388	GS-08-301	7741421	-99	1	-1	-99	-99	-5	0.03	4.2	-99	0.08	2.27	949	50	3.52	-99	7	75	180	13	-99	-15	-99	0.18	1.6	41.2	-3	2.1	-99	134	-0.5	0.7	-99	0.3
389	GS-08-302	7740205	-99	6	-99	-99	-99	-50	-99	24	28.9	0.7	-99	1600	-1	1.63	18	-99	51	2913	3	-99	28	-99	-99	1.1	35.3	-5	9.2	-100	291	0.6	1.3	-10	1.2
390	GS-08-303	7741422	0.3	1	-99	1.1	0.1	-99	0.02	21.1	15	0.4	1.30	1570	138	0.95	5.2	21.8	48	-99	1570	6.4	-0.2	0.252	-99	7.3	-99	6.2	4.1	3	19.6	0.1	0.7	1.7	5.9
391	GS-08-304	7740206	-99	9	-99	-99	-99	-50	-99	37	27.5	1.0	-99	1439	-1	1.74	15	-99	45	4176	8	-99	26	-99	-99	1.5	35.3	-5	12.8	-100	207	1.2	1.6	-10	1.3
392	GS-08-305	7740207	-99	2	-99	-99	-99	-50	-99	9	30.7	0.3	-99	1239	-1	2.21	6	-99	138	811	-1	-99	47	-99	-99	0.3	30.0	-5	3.4	-100	583	-0.5	-0.5	-10	-0.1
393	GS-08-322	7740208	-99	-99	-99	-99	-99	-99	-99	2	20.3	-99	-99	1828	-1	-99	11	-99	54	415	19	-99	36	-99	-99	-99	50.1	-99	-99	-99	201	-99	-99	-99	-99
394	GS-09-004	7741423	-99	2.2	-1	-99	-99	-5	-99	39.8	-99	-0.05	-99	-99	-2	-99	-99	68	24	-99	81	-99	-20	-99	0.005	-0.2	7.8	-3	21.8	-99	109	-1	-0.5	-99	2.4
395	GS-09-008	7741424	-99	4.6	-1	-99	-99	-5	-99	47.1	-99	-0.05	-99	-99	-2	-99	-99	-5	8	-99	72	-99	-20	-99	0.008	-0.2	2.2	-3	17.7	-99	100	-1	-0.5	-99	6.2
396	GS-09-009	7740261	-99	3	-99	-99	-99	-50	-99	15	5.3	-0.2	-99	229	-1	5.91	2	-99	1	234	-1	-99	11	-99	-99	-0.1	1.7	-5	0.6	-100	127	-0.5	-0.5	-10	3.0
397	GS-09-010	7740262	-99	4	-99	-99	-99	-50	-99	17	9.9	-0.2	-99	217	-1	5.30	3	-99	2	531	-1	-99	24	-99	-99	-0.1	2.7	-5	1.6	-100	142	0.6	-0.5	-10	5.1
398	GS-09-011	7740263	-99	1	-99	-99	-99	-50	-99	3	54.5	-0.2	-99	1715	-1	2.13	7	-99	70	183	-1	-99	4	-99	-99	-0.1	41.2	-5	1.3	-100	250	-0.5	-0.5	-10	-0.1
399	GS-09-013	7740307	-99	-99	-99	-99	-99	-99	-99	16	14.0	-99	-99	391	1	-99	3	-99	3	227	2	-99	10	-99	-99	-99	2.2	-99	-99	-99	100	-99	-99	-99	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10						100, 10000	3					5000															200
Lower Detection Limit				0.1			0.1,				0.1,	0.04				0.01,			1 to		0.5 to	0.05,	0.2		0.001,	0.1 to		0.1		0.01		0.1 to	0.1,	0.1,	0.1 to
			0.1, 1	to 1	1	0.1	0.2	5, 50	0.01	0.5, 1	0.5	to 0.2	0.01	1	0.1 to 5	0.05	0.1, 1	0.1, 5	50	1	5	0.1	to 30	0.001	0.01	0.5	0.1, 1	to 5	0.1	to 100	0.2, 1	1	0.5	10	0.5
400	GS-09-014	7740308	-99	-99	-99	-99	-99	-99	-99	14	10.9	-99	-99	185	1	-99	3	-99	2	271	1	-99	18	-99	-99	-99	2.3	-99	-99	-99	121	-99	-99	-99	-99
401	GS-09-015	7740229	-99	-99	-99	-99	-99	-99	-99	2	19.7	-99	-99	1666	-1	-99	8	-99	119	243	-1	-99	32	-99	-99	-99	37.7	-99	-99	-99	129	-99	-99	-99	-99
402	GS-09-017	7741425	-99	1.7	-1	-99	-99	-5	-99	15.5	-99	-0.05	-99	-99	-2	-99	-99	-5	5	-99	83	-99	-20	-99	0.664	-0.2	1.5	-3	6.0	-99	270	-1	-0.5	-99	2.5
403	GS-09-018	7741426	0.5	1.5	-99	0.2	-0.1	-99	0.32	9.2	14.1	-0.1	0.98	297	7	-3.00	2.2	9.2	16	-99	173	2.4	4.2	0.004	-99	-0.1	-99	1.1	1.7	-1	327	0.1	0.2	0.2	1.2
404	GS-09-019	7740231	-99	-99	-99	-99	-99	-99	-99	51	51.6	-99	-99	1629	-1	-99	29	-99	55	5500	17	-99	45	-99	-99	-99	24.3	-99	-99	-99	253	-99	-99	-99	-99
405	GS-09-020	7740264	1	1.9	-99	0.4	-99	-50	-99	2.7	2.7	-0.05	-99	150	-1	5.02	-1.0	2.0	-1	48	-1	0.6	15	-99	-99	-0.1	1.0	-5	0.4	-1	116	-0.5	-0.1	-10	0.6
406	GS-09-022	7740265	-99	2	-99	-99	-99	-50	-99	11	2.6	-0.2	-99	138	-1	4.55	1.1	-99	1	57	-1	-99	47	-99	-99	-0.1	1.2	-5	0.9	-100	230	1.0	-0.5	-10	1.7
407	GS-09-023	7740266	3	4.4	-99	0.2	-99	-50	-99	55.2	6.3	-0.05	-99	308	-1	4.33	1.3	33.6	3	676	-1	10.4	26	-99	-99	-0.1	3.4	-5	4.4	-1	271	-0.5	0.3	-10	9.1
408	GS-09-024	7740267	-99	3	-99	-99	-99	-50	-99	18	6.0	-0.2	-99	216	-1	5.66	2	-99	-1	216	2	-99	10	-99	-99	-0.1	2.3	-5	1.5	-100	151	-0.5	-0.5	-10	5.6
409	GS-09-028	7740232	-99	-99	-99	-99	-99	-99	-99	5	5.6	-99	-99	348	-1	-99	2	-99	3	325	-1	-99	37	-99	-99	-99	2.6	-99	-99	-99	169	-99	-99	-99	-99
410	GS-09-034	7741427	-99	2.1	-1	-99	-99	-5	-99	36.3	-99	-0.05	-99	-99	-2	-99	-99	-5	4	-99	85	-99	-20	-99	0.011	-0.2	2.8	-3	18.5	-99	102	-1	-0.5	-99	2.9
411	GS-09-035	7740268	-99	3	-99	-99	-99	-50	-99	24	22.3	-0.2	-99	306	-1	4.38	3	-99	4	549	-1	-99	67	-99	-99	-0.1	5.3	-5	2.3	-100	117	-0.5	-0.5	-10	3.1
412	GS-09-036	7740269	-99	3	-99	-99	-99	-50	-99	10	5.7	-0.2	-99	140	-1	4.86	1.3	-99	2	139	-1	-99	33	-99	-99	-0.1	1.2	-5	0.9	-100	261	-0.5	-0.5	-10	1.5
413	GS-09-037	7740233	-99	-99	-99	-99	-99	-99	-99	3	1.5	-99	-99	90	-1	-99	-1.0	-99	-1	27	-1	-99	38	-99	-99	-99	0.8	-99	-99	-99	165	-99	-99	-99	-99
414	GS-09-038	7741428	-99	1.8	-1	-99	-99	-5	-99	25	-99	-0.05	-99	-99	-2	-99	-99	33	6	-99	48	-99	-20	-99	0.021	-0.2	2.1	-3	9.4	-99	144	-1	-0.5	-99	2.9
415	GS-09-041	7740271	-99	5	-99	-99	-99	-50	-99	42	11.5	-0.2	-99	226	-1	4.95	-1.0	-99	3	502	3	-99	10	-99	-99	-0.1	1.8	-5	2.3	-100	97	-0.5	-0.5	-10	6.2
416	GS-09-042	7741429	-99	2.7	-1	-99	-99	-5	-99	41.1	-99	-0.05	-99	-99	-2	-99	-99	56	3	-99	99	-99	-20	-99	0.016	-0.2	3.2	-3	13.9	-99	177	-1	-0.5	-99	6.4
417	GS-09-048	7741431	0.5	2.7	-99	0.1	-0.1	-99	0.75	16	5.8	-0.1	0.29	229	0.3	-3.00	2	9.1	3.5	-99	1660	2.8	11.6	-0.001	-99	-0.1	-99	0.9	1.4	-1	134	0.1	0.1	-0.1	3.3
418	GS-09-054	7741432	0.5	1	-99	0.4	-0.1	-99	0.90	12.3	30.1	0.2	2.23	383	0.3	-3.00	4.4	17.2	23	-99	92.1	4	22.8	-0.001	-99	-0.1	-99	0.9	3.6	-1	133	0.2	0.4	0.1	0.3
419	GS-09-055	7741433	-99	5.5	-1	-99	-99	-5	-99	107	-99	-0.05	-99	-99	4	-99	-99	268	29	-99	1370	-99	-20	-99	0.13	0.4	6.6	-3	52.9	-99	286	-1	-0.5	-99	4.4
420	GS-09-056	7740234	-99	-99	-99	-99	-99	-99	-99	35	20.2	-99	-99	630	-1	-99	7	-99	14	1075	31	-99	21	-99	-99	-99	7.3	-99	-99	-99	226	-99	-99	-99	-99
421	GS-09-057	7741434	-99	5.9	-1	-99	-99	-5	-99	146	-99	-0.05	-99	-99	-2	-99	-99	81	6	-99	9	-99	-20	-99	0.068	-0.2	2.2	-3	6.6	-99	98	-1	-0.5	-99	11.5
422	GS-09-058	7741435	-99	1.8	-1	-99	-99	-5	-99	22	-99	-0.05	-99	-99	-2	-99	-99	44	12	-99	342	-99	-20	-99	0.118	-0.2	5.1	-3	12.0	-99	79	-1	-0.5	-99	2.8
423	GS-09-059	7741436	0.3	2.3	-99	0.3	-0.1	-99	0.24	19.8	27.5	0.1	0.86	150	134	-3.00	4	13.7	93	-99	216	4	2.5	0.108	-99	3.6	-99	7.1	2.3	-1	51	0.3	0.3	0.2	1.8
424	GS-09-060	7741437	0.3	5	-99	0.6	-0.1	-99	0.43	23	35.8	0.2	1.32	212	254	-3.00	10.3	20.1	164	-99	276	5.5	6	0.119	-99	3.9	-99	12.6	4.1	1	45.2	0.8	0.6	0.3	4.9
425	GS-09-061	7741438	-99	6.9	-1	-99	-99	-5	-99	66.6	-99	-0.05	-99	-99	263	-99	-99	195	145	-99	1060	-99	-20	-99	6.09	3.7	12.5	-3	37.9	-99	50	-1	-0.5	-99	6.4
426	GS-09-062	7741439	1.6	15.1	-99	3.3	0.1	-99	-5.00	65.9	60.6	1.3	1.51	110	33.4	0.34	21.1	101	534	-99	128	22.7	105	0.033	-99	12.6	-99	3.2	23.1	2	96.3	0.7	3	0.4	5.8
427	GS-09-063	7741441	-99	2	-1	-99	-99	-5	-0.01	12	-99	0.1	-0.01	-99	6	0.07	-99	8	-50	-99	-99	-99	-30	-99	-99	3.0	1	-3	1.8	-99	-99	1	-0.5	-99	1.8
428	GS-09-064	7740235	-99	-99	-99	-99	-99	-99	-99	34	12.5	-99	-99	452	-1	-99	4	-99	8	615	-1	-99	54	-99	-99	-99	5.0	-99	-99	-99	409	-99	-99	-99	-99
429	GS-09-066	7740236	-99	-99	-99	-99	-99	-99	-99	51	24.6	-99	-99	627	-1	-99	6	-99	16	1104	-1	-99	46	-99	-99	-99	8.6	-99	-99	-99	354	-99	-99	-99	-99
430	GS-09-067	7740237	-99	-99	-99	-99	-99	-99	-99	5	54.6	-99	-99	1372	-1	-99	11	-99	90	522	-1	-99	100	-99	-99	-99	42.4	-99	-99	-99	160	-99	-99	-99	-99
431	GS-09-068	7740238	-99	-99	-99	-99	-99	-99	-99	6	60.6	-99	-99	1237	-1	-99	11	-99	70	484	-1	-99	52	-99	-99	-99	37.7	-99	-99	-99	185	-99	-99	-99	-99
432	GS-09-069	7740272	-99	5	-99	-99	-99	-50	-99	18	5.9	0.3	-99	203	-1	4.87	7	-99	4	4974	2	-99	5	-99	-99	-0.1	6.4	-5	3.3	-100	146	-0.5	0.8	-10	36.0
433	GS-09-070	7741442	0.6	0.2	-99	29.7	-0.1	-99	0.10	12.7	6.6	13.6	0.53	372	1.4	-3.00	0.7	37	33	-99	172	6.9	0.4	-0.001	-99	-0.1	-99	9.7	21.9	-1	438	-0.1	12.5	0.2	-200
434	GS-09-071	7741443	-99	8.8	-1	-99	-99	-5	-99	30.3	-99	4.26	-99	-99	2	-99	-99	19	23	-99	32	-99	-20	-99	0.013	-0.2	88.8	-3	12.2	-99	230	-1	4.5	-99	213
435	GS-09-072	7741444	-99	-1	-1	-99	-99	-5	-0.01	4	-99	0.54	-0.01	-99	-5	2.48	-99	-5	-50	-99	-99	-99	-30	-99	-99	-0.2	1.8	18	-0.1	-99	-99	-1	-0.5	-99	-0.5
436	GS-09-073	7740239	-99	-99	-99	-99	-99	-99	-99	35	24.4	-99	-99	603	-1	-99	7	-99	15	1128	-1	-99	53	-99	-99	-99	10.3	-99	-99	-99	406	-99	-99	-99	-99
437	GS-09-075	7740273	-99	5	-99	-99	-99	-50	-99	2	1.7	-0.2	-99	57	-1	8.27	4	-99	-1	30	2	-99	7	-99	-99	-0.1	1.5	-5	0.3	-100	113	0.8	-0.5	-10	21.1
438	GS-09-077	7740274	-99	2	-99	-99	-99	-50	-99	13	19.7	0.3	-99	1344	-1	2.46	10	-99	78	1864	-1	-99	18	-99	-99	2.9	28.7	-5	4.6	-100	431	0.6	0.8	-10	0.4
439	GS-09-079	7740275	-99	3	-99	-99	-99	-50	-99	9	11.7	-0.2	-99	165	-1	3.58	6	-99	4	418	-1	-99	49	-99	-99	0.4	4.3	-5	1.3	-100	105	-0.5	-0.5	-10	4.3
440	GS-09-080	7740241	-99	-99	-99	-99	-99	-99	-99	18	20.7	-99	-99	1497	-1	-99	12	-99	54	2411	8	-99	33	-99	-99	-99	31.0	-99	-99	-99	388	-99	-99	-99	-99
441	GS-09-084	7740242	-99	-99	-99	-99	-99	-99	-99	18	37.4	-99	-99	2308	-1	-99	12	-99	52	2599	4	-99	57	-99	-99	-99	32.9	-99	-99	-99	431	-99	-99	-99	-99
442	GS-09-087	7740276	-99	4	-99	-99	-99	-50	-99	28	1.1	-0.2	-99	461	-1	6.58	7	-99	5	516	-1	-99	-2	-99	-99	0.5	5.8	-5	2.6	-100	134	0.7	-0.5	-10	5.3
443	GS-09-088	7740277	-99	5	-99	-99	-99	-50	-99	41	19.8	-0.2	-99	492	1	4.65	13	-99	10	837	5	-99	39	-99	-99	1.0	11.9	-5	4.9	-100	251	1.0	-0.5	-10	7.0
444	GS-09-089	7741445	-99	4.6	-1	-99	-99	-5	-99	83.2	-99	-0.05	-99	-99	-2	-99	-99	-5	14	-99	462	-99	-20	-99	0.024	1.8	9.2	-3	29.4	-99	246	-1	-0.5	-99	5.8
445	GS-09-090	7740278	-99	4	-99	-99	-99	-50	-99	33	22.1	-0.2	-99	626	1	4.87	10	-99	18	737	-1	-99	49	-99	-99	1.0	12.9	-5	3.9	-100	247	0.9	-0.5	-10	5.9
446	GS-09-091	7740243	-99	-99	-99	-99	-99	-99	-99	26	4.8	-99	-99	535	-1	-99	6	-99	6	536	36	-99	6	-99	-99	-99	10.2	-99	-99	-99	160	-99	-99	-99	-99
447	GS-09-092	7740244	-99	-99	-99	-99	-99	-99	-99	25	20.9	-99	-99	1135	-1	-99	10	-99	31	910	13	-99	52	-99	-99	-99	27.6	-99	-99	-99	719	-99	-99	-99	-99
448	GS-09-094	7740245	-99	-99	-99	-99	-99	-99	-99	32	22.9	-99	-99	1324	1	-99	13	-99	14	782	-1	-99	45	-99	-99	-99	20.7	-99	-99	-99	156	-99	-99	-99	-99
449	GS-09-095	7740246	-99	-99	-99	-99	-99	-99	-99	42	3.5	-99	-99	536	-1	-99	6	-99	4	704	-1	-99	5	-99	-99	-99	11.5	-99	-99	-99	128	-99	-99	-99	-99
450	GS-09-098	7740279	-99	9	-99	-99	-99	-50	-99	67	3.9	0.8	-99	415	-1	1.24	11	-99	-1	73	19	-99	162	-99	-99	1.4	5.5	-5	10.0	-100	68	1.9	1.5	-10	25.9
451	GS-09-099	7740281	-99	2	-99	-99	-99	-50	-99	28	28.5	-0.2	-99	1564	-1	5.60	4	-99	42	898	65	-99	47	-99	-99	4.2	21.1	19	4.4	-100	435	0.5	0.7	-10	4.1
452	GS-09-100	7740282	-99	17	-99	-99	-99	-50	-99	139	1.1	0.6	-99	198	-1	5.72	15	-99	1	154	29	-99	-2	-99	-99	1.0	3.0	-5	17.1	-100	88	2.9	1.6	-10	26.9
453	GS-09-101	7740247	-99	-99	-99	-99	-99	-99	-99	102	1.9	-99	-99	377	-1	-99	20	-99	-1	378	20	-99	-2	-99	-99	-99	5.0	-99	-99	-99	127	-99	-99	-99	-99
454	GS-09-102	7741446	0.5	1	-99	0.5	-0.1	-99	0.37	15	28.1	0.1	1.43	802	0.4	-3.00	0.5	23.1	24	-99	459	5.3	5.7	0.005	-99	-0.1	-99	0.8	4.2	-1	222	-0.1	0.5	0.1	2.6
455	GS-09-103	7741447	0.4	18.8	-99	1.2	-0.1	-99	0.87	6.2	17.1	0.5	1.82	2130	0.9	-3.00	5	10.8	35	-99	881	2.4	7	0.002	-99	6.5	-99	1.7	3.2	2	159	0.3	0.8	1.9	3.0
456	GS-09-104	7741448	0.2	1.6	-99	0.5	-0.1	-99	0.17	9.5	4.2	0.2	2.08	6960	18	0.03	1.2	8.2	28	-99	305	2.1	3.3	0.081	-99	14.5	-99	1.5	1.9	-1	175	-0.1	0.4	1.3	0.6

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10					100, 10000		3					5000															200
Lower Detection Limit			0.1, 1	0.1 to 1	1	0.1	0.1, 0.2	5, 50	0.01	0.5, 1	0.1, 0.5	0.04 to 0.2	0.01	1	0.1 to 5	0.01, 0.05	0.1, 1	0.1, 5	1 to 50	1	0.5 to 5	0.05, 0.1	0.2 to 30	0.001	0.001, 0.01	0.1 to 0.5	0.1, 1	0.1 to 5	0.01 to 0.1	0.01 to 100	0.2, 1	0.1 to 1	0.1, 0.5	0.1, 10	0.1 to 0.5
457	GS-09-105	7741449	0.8	4.3	-99	1.5	0.1	-99	0.03	5.9	31.7	0.7	5.65	2250	1.2	0.04	5	13.1	90	-99	139	2.6	1.1	0.026	-99	0.3	-99	1.9	4.2	1	37.9	0.3	1	0.5	0.8
458	GS-09-106	7741451	0.4	2.1	-99	1.0	-0.1	-99	0.04	7.2	33.8	0.3	2.62	2430	0.1	1.69	0.8	11.8	65	-99	195	2.5	1	0.003	-99	-0.1	-99	1.8	3.5	-1	67.2	-0.1	0.8	0.1	0.4
459	GS-09-107	7741452	0.1	2.5	-99	0.9	-0.1	-99	0.10	2.5	23.6	0.4	2.47	968	0.1	-3.00	1.7	4.5	63	-99	1310	0.9	0.9	-0.001	-99	0.4	-99	1.6	1.6	-1	140	-0.1	0.5	0.9	0.3
460	GS-09-108	7741453	-99	6.8	-1	-99	-99	-5	-99	113	-99	-0.05	-99	-99	-2	-99	-99	191	65	-99	1040	-99	-20	-99	0.01	0.8	9.9	-3	-0.1	-99	198	-1	-0.5	-99	5.4
461	GS-09-109	7741454	1.2	5.9	-99	1.3	-0.1	-99	2.12	42.7	14.1	0.6	0.58	780	0.2	0.73	7.8	31.2	21	-99	220	8.9	42.1	-0.001	-99	0.7	-99	1.1	5.9	3	334	0.6	1	0.3	13.6
462	GS-09-111	7740283	-99	1	-99	-99	-99	-50	-99	2	21.7	-0.2	-99	1078	-1	3.87	6	-99	62	208	-1	-99	11	-99	-99	0.6	37.1	-5	1.4	-100	175	-0.5	-0.5	-10	-0.1
463	GS-09-112	7740284	-99	1	-99	-99	-99	-50	-99	8	18.7	0.5	-99	575	-1	0.07	13	-99	23	227	33	-99	13	-99	-99	4.5	11.7	-5	2.7	-100	7	-0.5	0.5	-10	1.3
464	GS-09-113	7741455	-99	-1	-1	-99	-99	-5	-0.01	3	-99	-0.05	-0.01	-99	-5	-0.05	-99	-5	-50	-99	-99	-99	-30	-99	-99	0.3	0.2	-3	0.3	-99	-99	-1	-0.5	-99	-0.5
465	GS-09-114	7740285	-99	6	-99	-99	-99	-50	-99	6	37.2	0.9	-99	1025	-1	0.48	21	-99	20	1138	-1	-99	18	-99	-99	0.4	43.4	-5	5.7	-100	28	0.9	1.3	-10	0.9
466	GS-09-115	7741456	-99	-1	-1	-99	-99	-5	0.07	6.7	-99	0.3	1.21	3400	2	0.03	-99	-5	18	200	5	-99	-15	-99	0.27	0.4	2.7	-3	2.1	-99	198	1.2	-0.5	-99	0.4
467	GS-09-118	7740248	-99	-99	-99	-99	-99	-99	-99	40	28.4	-99	-99	1561	-1	-99	22	-99	21	4346	1	-99	26	-99	-99	-99	37.7	-99	-99	-99	225	-99	-99	-99	-99
468	GS-09-120	7741457	0.7	1.4	-99	0.5	-0.1	-99	0.13	1.9	4.6	0.2	2.90	1140	1.3	-3.00	1.6	3.8	121	-99	549	0.8	1.7	0.001	-99	3.6	-99	1.4	1.3	-1	186	-0.1	0.4	0.2	0.4
469	GS-09-121	7741458	-99	6	-1	-99	-99	-5	-0.01	31	-99	0.42	-0.01	-99	-5	2.69	-99	17	-50	-99	-99	-99	60	-99	-99	2.0	5.8	-3	3.5	-99	-99	-1	-0.5	-99	12.4
470	GS-09-122	7741459	0.2	3.1	-99	0.5	-0.1	-99	0.95	20.5	21	0.2	1.07	486	0.4	0.09	4.7	14.9	11	-99	29	4.3	24.6	0.001	-99	5.1	-99	0.9	2.7	1	88.1	0.3	0.4	0.2	6.2
471	GS-09-123	7741461	-99	7	-1	-99	-99	-5	-0.01	28	-99	-0.05	-0.01	-99	112	0.77	-99	17	-50	-99	-99	-99	70	-99	-99	15.9	6	-3	2.1	-99	-99	-1	-0.5	-99	12.5
472	GS-09-124	7741462	0.4	0.6	-99	1.1	-0.1	-99	0.10	4.3	62	0.3	3.93	1550	0.4	2.59	0.1	8.4	104	-99	4	1.6	1.3	0.082	-99	0.2	-99	2.1	3.3	-1	72.8	-0.1	0.8	0.1	0.4
473	GS-09-125	7741463	0.3	0.2	-99	1.6	-0.1	-99	1.34	19.3	55.4	0.4	1.00	590	0.4	0.07	3.3	30.4	25	-99	298	7.6	36	0.004	-99	3.1	-99	2.1	7.8	1	46.9	0.1	1.3	0.1	8.1
474	GS-09-126	7741464	0.1	-0.1	-99	0.7	-0.1	-99	1.46	14	27.9	0.2	5.91	1440	2.1	0.07	0.2	16.8	17	-99	181	4.1	30.3	0.004	-99	0.6	-99	1.4	3.7	-1	85.6	-0.1	0.6	-0.1	4.6
475	GS-09-127	7740286	-99	9	-99	-99	-99	-50	-99	77	7.8	0.6	-99	201	-1	2.43	12	-99	-1	58	9	-99	242	-99	-99	0.8	3.9	-5	10.0	-100	35	1.9	1.0	-10	27.8
476	GS-09-128	7740249	-99	-99	-99	-99	-99	-99	-99	13	85.6	-99	-99	1533	-1	-99	6	-99	626	949	5	-99	75	-99	-99	-99	17.3	-99	-99	-99	166	-99	-99	-99	-99
477	GS-09-129	7740251	-99	-99	-99	-99	-99	-99	-99	13	92.8	-99	-99	1534	-1	-99	8	-99	36	898	29	-99	190	-99	-99	-99	39.6	-99	-99	-99	131	-99	-99	-99	-99
478	GS-09-130	7741465	0.2	0.3	-99	0.5	-0.1	-99	1.53	22.3	8.8	0.2	7.06	1760	4.2	0.98	2.8	15.2	9.5	-99	76.3	4.5	37.3	0.001	-99	0.3	-99	0.7	2.5	-1	90.3	-0.1	0.4	-0.1	6.0
479	GS-09-131	7741466	-99	8	-1	-99	-99	-5	-99	58.4	-99	0.67	-99	-99	-2	-99	-99	48	2	-99	28	-99	250	-99	0.008	1.1	3.3	-3	6.5	-99	22	-1	-0.5	-99	29.4
480	GS-09-133	7741467	-99	6.8	-1	-99	-99	-5	-99	59.3	-99	-0.05	-99	-99	-2	-99	-99	54	6	-99	77	-99	140	-99	0.004	0.7	11.8	-3	10.1	-99	41	-1	-0.5	-99	25.8
481	GS-09-134	7740287	-99	8	-99	-99	-99	-50	-99	73	9.6	0.6	-99	302	-1	3.21	11	-99	-1	39	26	-99	180	-99	-99	0.7	4.1	-5	9.1	-100	22	1.6	1.0	-10	26.3
482	GS-09-135	7741468	1.1	5.2	-99	1.5	-0.1	-99	3.61	74.3	24.3	0.7	0.14	154	3.3	2.42	7	55.7	1.6	-99	80.6	16.8	92.4	0.004	-99	0.3	-99	1.4	9.0	2	12.8	0.3	1.1	-0.1	22.8
483	GS-09-137	7740288	-99	2	-99	-99	-99	-50	-99	1	94.7	0.3	-99	962	-1	1.34	8	-99	94	266	-1	-99	10	-99	-99	0.3	42.9	-5	2.0	-100	68	-0.5	0.5	-10	0.2
484	GS-09-142	7741469	-99	5	-1	-99	-99	-5	1.91	25.2	-99	0.61	0.36	441	15	0.09	-99	21	8	190	-3	-99	77	-99	0.48	1.4	4.6	-3	3.0	-99	61	-0.5	-0.5	-99	10.5
485	GS-09-143	7741471	0.6	4.6	-99	0.9	-0.1	-99	1.70	22.2	27.1	0.4	0.21	411	167	0.06	5.8	20.7	9.4	-99	139	5.5	33.4	0.352	-99	3.7	-99	1.5	4.2	1	48.4	0.4	0.7	0.1	8.6
486	GS-09-145	7741472	0.6	3.8	-99	0.9	-0.1	-99	1.82	17.9	31.5	0.3	0.90	1190	1.1	0.06	5.3	19.7	14	-99	320	5.4	38.5	0.002	-99	2.9	-99	7.4	4.2	2	86.6	0.4	0.7	0.2	8.3
487	GS-09-146	7741473	-99	6	-1	-99	-99	-5	-0.01	33	-99	0.65	-0.01	-99	-5	0.10	-99	19	-50	-99	-99	-99	100	-99	-99	1.2	6.5	-3	3.3	-99	-99	-1	-0.5	-99	10.5
488	GS-09-147	7741474	-99	7	-1	-99	-99	-5	-0.01	29	-99	0.41	-0.01	-99	-5	0.09	-99	22	-50	-99	-99	-99	130	-99	-99	1.3	4.7	-3	3.6	-99	-99	-1	-0.5	-99	10.8
489	GS-09-148	7740252	-99	-99	-99	-99	-99	-99	-99	2	40.6	-99	-99	1767	-1	-99	8	-99	85	196	162	-99	12	-99	-99	-99	43.9	-99	-99	-99	216	-99	-99	-99	-99
490	GS-09-150	7740289	-99	3	-99	-99	-99	-50	-99	11	27.3	-0.2	-99	237	-1	3.62	3	-99	5	377	-1	-99	43	-99	-99	-0.1	1.5	-5	0.9	-100	322	-0.5	-0.5	-10	0.4
491	GS-09-151	7740291	-99	-1	-99	-99	-99	-50	-99	10	22.7	-0.2	-99	2061	2	0.07	2	-99	19	921	110	-99	35	-99	-99	1.9	2.6	-5	1.1	-100	277	-0.5	-0.5	-10	0.9
492	GS-09-152	7740292	-99	-1	-99	-99	-99	-50	-99	8	7.5	-0.2	-99	1213	-1	0.08	1.0	-99	5	185	5	-99	31	-99	-99	0.3	3.3	-5	1.0	-100	91	-0.5	-0.5	-10	2.1
493	GS-09-155	7740293	-99	-1	-99	-99	-99	-50	-99	7	13.0	-0.2	-99	794	-1	-0.05	-1.0	-99	6	1437	9	-99	23	-99	-99	0.3	2.0	-5	0.6	-100	75	-0.5	-0.5	-10	1.2
494	GS-09-156	7740294	-99	-1	-99	-99	-99	-50	-99	36	18.7	-0.2	-99	2364	2	-0.05	-1.0	-99	9	12406	88	-99	14	-99	-99	0.6	1.9	-5	4.9	-100	114	-0.5	1.9	-10	0.8
495	GS-09-157	7741475	0.4	3.8	-99	0.5	-0.1	-99	-5.00	21.8	7.9	0.2	1.66	632	10.7	1.35	5.2	15.4	71	-99	19.8	4.5	105	0.005	-99	2.8	-99	2.4	2.7	1	83.6	0.4	0.4	0.1	6.0
496	GS-09-158	7740295	-99	3	-99	-99	-99	-50	-99	14	6.9	-0.2	-99	1055	-1	2.42	3	-99	14	542	-1	-99	57	-99	-99	0.6	3.4	-5	1.8	-100	141	-0.5	-0.5	-10	3.4
497	GS-09-159	7740296	-99	-1	-99	-99	-99	-50	-99	17	17.7	-0.2	-99	4124	3	-0.05	2	-99	13	4772	42	-99	19	-99	-99	1.0	2.2	-5	3.1	-100	176	-0.5	0.9	-10	1.5
498	GS-09-161	7741476	0.2	0.3	-99	0.6	-0.1	-99	0.95	10.5	10.9	0.2	9.33	3330	2.3	0.06	1.1	7.8	16	-99	38.7	1.9	19.6	0.003	-99	0.2	-99	1.1	1.6	-1	70.9	-0.1	0.4	-0.1	1.2
499	GS-09-163	7741477	-99	4	-1	-99	-99	-5	3.17	21.1	-99	0.31	1.08	370	8	0.20	-99	18	83	410	38	-99	157	-99	2.82	5.8	13.4	-3	2.8	-99	49	-0.5	-0.5	-99	6.0
500	GS-09-164	7740297	-99	7	-99	-99	-99	-50	-99	11	16.6	1.3	-99	1870	-1	2.02	21	-99	-1	1466	-1	-99	10	-99	-99	0.2	37.6	-5	9.0	-100	104	1.0	1.9	-10	0.7
501	GS-09-165	7740298	-99	-1	-99	-99	-99	-50	-99	9	16.6	0.3	-99	1742	11	-0.05	18	-99	212	1701	41	-99	-2	-99	-99	4.4	10.0	12	3.2	-100	58	-0.5	-0.5	-10	1.6
502	GS-09-166	7741478	-99	2	-1	-99	-99	-5	0.39	11.9	-99	0.58	2.70	1130	9	0.04	-99	21	353	630	127	-99	-15	-99	4.8	6.3	17.2	15	3.3	-99	64	0.7	0.6	-99	0.9
503	GS-09-167	7740253	-99	-99	-99	-99	-99	-99	-99	13	15.7	-99	-99	1525	-1	-99	19	-99	27	1339	-1	-99	20	-99	-99	-99	42.1	-99	-99	-99	175	-99	-99	-99	-99
504	GS-09-169	7741479	-99	9	-1	-99	-99	-5	1.87	40.4	-99	0.75	0.68	393	-1	4.63	-99	30	11	640	7	-99	-15	-99	0.16	2.6	7.4	-3	5.2	-99	139	2.4	-0.5	-99	12.4
505	GS-09-170	7741481	-99	8	-1	-99	-99	-5	-0.01	38	-99	0.4	-0.01	-99	-5	4.80	-99	32	-50	-99	-99	-99	-30	-99	-99	1.1	5.9	-3	4.7	-99	-99	-1	-0.5	-99	9.0
506	GS-09-172	7740254	-99	-99	-99	-99	-99	-99	-99	44	14.8	-99	-99	1959	-1	-99	25	-99	12	4966	2	-99	29	-99	-99	-99	46.3	-99	-99	-99	270	-99	-99	-99	-99
507	GS-09-173	7741482	-99	-1	-1	-99	-99	-5	0.23	3.8	-99	0.24	3.67	939	-1	3.56	-99	8	61	160	-3	-99	-15	-99	0.09	2.0	26.3	-3	1.2	-99	164	-0.5	-0.5	-99	1.2
508	GS-09-174	7741483	0.6	1.1	-99	0.5	-0.1	-99	0.34	2.4	1.7	0.2	3.17	1340	0.8	-3.00	1.6	4.5	83	-99	176	0.9	5.1	0.001	-99	8.0	-99	1.2	1.4	-1	196	-0.1	0.4	0.1	1.0
509	GS-09-175	7741484	-99	6	-1	-99	-99	-5	-0.01	33	-99	0.44	-0.01	-99	-5	6.80	-99	24	-50	-99	-99	-99	-30	-99	-99	3.3	12.1	-3	3.6	-99	-99	-1	-0.5	-99	9.6
510	GS-09-177	7740299	4	1.3	-99	0.7	-99	-50	-99	4.0	53.1	0.33	-99	1754	-1	3.16	-1.0	7.1	88	270	23	1.4	168	-99	-99	0.4	45.6	-5	2.5	-1	489	-0.5	0.6	-10	0.2
511	GS-09-182	7741485	-99	5	-1	-99	-99	-5	-0.01	32	-99	0.3	-0.01	-99	-5	0.56	-99	18	-50	-99	-99	-99	130	-99	-99	-0.2	34.2	-3	5.6	-99	-99	2	1.2	-99	8.0
512	GS-09-184	7741486	-99	4	-1	-99	-99	-5	-0.01	22	-99	0.44	-0.01	-99	26	0.49	-99	31	-50	-99	-99	-99	80	-99	-99	-0.2	30	-3	3.9	-99	-99	-1	-0.5	-99	5.8
513	GS-09-185	7740255	4	1.3	-99	0.7	-99	-99	-99	2	15.9	0.28	-99	1864	-1	-99	1.4	4.9	94	238	-1	0.8	14	-99	-99	-99	45.9	-99	1.8	1	129	-0.5	0.4	-99	-0.1

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10						100, 10000	3					5000															200
Lower Detection Limit				0.1			0.1,				0.1,	0.04				0.01,			1 to		0.5 to	0.05,	0.2	0.001,	0.1 to		0.1		0.01		0.1 to	0.1,	0.1,	0.1 to
			0.1, 1	to 1	1	0.1	0.2	5, 50	0.01	0.5, 1	0.5	to 0.2	0.01	1	0.1 to 5	0.05	0.1, 1	0.1, 5	50	1	5	0.1	to 30	0.001	0.01	0.5	0.1, 1	to 5	0.1	to 100	0.2, 1	1	0.5	10	0.5
514	GS-09-188	7740256	-99	-99	-99	-99	-99	-99	-99	23	100.2	-99	-99	828	-1	-99	9	-99	7	663	-1	-99	149	-99	-99	-99	16.0	-99	-99	-99	508	-99	-99	-99	-99
515	GS-09-189	7740257	3	3.7	-99	0.4	-99	-99	-99	64	4.3	0.17	-99	492	1	-99	4.7	37.6	7	163	20	11.8	142	-99	-99	-99	5.2	-99	4.8	2	98	-0.5	0.4	-99	9.6
516	GS-09-191	7741487	-99	-0.5	-1	-99	-99	-5	-99	33.4	-99	-0.05	-99	-99	-2	-99	-99	31	76	-99	268	-99	-20	-99	3.29	2.9	10.4	-3	7.1	-99	288	-1	-0.5	-99	5.9
517	GS-09-193	7740301	-99	5	-99	-99	-99	-50	-99	50	0.9	0.3	-99	499	-1	5.19	15	-99	10	258	17	-99	70	-99	-99	1.6	8.1	-5	8.3	-100	149	1.4	0.7	-10	20.0
518	GS-09-194	7740258	-99	-99	-99	-99	-99	-99	-99	43	6.7	-99	-99	713	-1	-99	12	-99	21	776	5	-99	4	-99	-99	-99	11.4	-99	-99	-99	247	-99	-99	-99	-99
519	GS-09-197	7740302	-99	2	-99	-99	-99	-50	-99	11	9.0	-0.2	-99	1544	-1	2.91	10	-99	56	424	70	-99	27	-99	-99	0.3	33.1	-5	0.5	-100	377	-0.5	0.7	-10	1.8
520	GS-09-199	7740303	-99	3	-99	-99	-99	-50	-99	13	19.7	0.3	-99	1416	-1	3.27	14	-99	57	578	-1	-99	66	-99	-99	0.3	39.3	6	4.3	-100	488	1.1	0.8	-10	1.9
521	GS-09-200	7740304	-99	3	-99	-99	-99	-50	-99	10	9.9	-0.2	-99	1612	-1	1.84	10	-99	44	395	91	-99	12	-99	-99	0.2	34.6	-5	8.5	-100	606	-0.5	0.7	-10	1.6
522	GS-09-201	7740305	3	3.9	-99	0.4	-99	-50	-99	71.5	7.2	0.22	-99	303	-1	1.03	8.5	41.5	3	208	16	13.6	91	-99	-99	0.3	2.2	-5	5.4	1	134	0.6	0.5	-10	13.5
523	GS-09-203	7741488	-99	2.3	-1	-99	-99	-5	-99	16.6	-99	-0.05	-99	-99	-2	-99	-99	30	117	-99	104	-99	-20	-99	0.022	0.8	38.3	-3	8.4	-99	447	-1	-0.5	-99	1.2
524	GS-09-204	7741489	-99	1	-1	-99	-99	-5	-0.01	3	-99	0.37	-0.01	-99	-5	2.71	-99	-5	-50	-99	-99	-99	110	-99	-99	1.1	48.1	-3	1.3	-99	-99	-1	-0.5	-99	-0.5
525	GS-09-206	7741491	-99	7.8	-1	-99	-99	-5	-99	116	-99	-0.05	-99	-99	-2	-99	-99	104	1	-99	974	-99	-20	-99	0.057	2.9	2.0	-3	24.0	-99	24	-1	-0.5	-99	9.7
526	GS-09-207	7741492	0.5	8.2	-99	1.7	-0.1	-99	0.10	83.3	6.3	0.9	0.07	430	0.3	-3.00	17.6	54.1	1.2	-99	1210	16.6	0.7	0.002	-99	1.7	-99	6.1	7.8	4	22.6	0.7	1.1	0.2	17.0
527	GS-09-208	7741493	-99	8	-1	-99	-99	-5	-0.01	43	-99	0.64	-0.01	-99	9	0.44	-99	28	-50	-99	-99	-99	210	-99	-99	1.8	1.7	-3	2.9	-99	-99	-1	-0.5	-99	20.0
528	GS-09-210	7741494	-99	20	-1	-99	-99	-5	-99	142	-99	-0.05	-99	-99	-2	-99	-99	126	1	-99	377	-99	-20	-99	0.004	0.7	0.9	-3	28.8	-99	31	-1	4	-99	43.7
529	GS-09-211	7741495	0.6	4.2	-99	0.6	-0.1	-99	0.29	27.8	58	0.2	0.96	911	0.2	-3.00	11.3	20	20	-99	60	5.8	8.5	0.001	-99	0.8	-99	1	3.4	2	83.7	1.1	0.4	0.1	13.8
530	GS-09-213	7741496	0.7	1.8	-99	0.3	-0.1	-99	0.09	11.3	25.8	0.1	0.25	167	0.3	-3.00	4.9	8.5	7.3	-99	19.3	2.5	1.2	0.001	-99	0.8	-99	0.9	1.5	1	9.5	0.4	0.2	-0.1	9.6
531	GS-09-214	7741497	-99	3.7	-1	-99	-99	-5	-99	59.9	-99	-0.05	-99	-99	-2	-99	-99	76	45	-99	322	-99	-20	-99	0.02	1.5	15.1	-3	24.5	-99	196	-1	-0.5	-99	10.7
532	GS-09-215	7741498	-99	2.9	-1	-99	-99	-5	-99	76.2	-99	-0.05	-99	-99	3	-99	-99	40	37	-99	204	-99	-20	-99	0.422	0.9	21.7	25	8.6	-99	472	-1	-0.5	-99	4.9
533	GS-09-217	7741499	-99	2	-1	-99	-99	-5	-99	33.9	-99	-0.05	-99	-99	-2	-99	-99	29	58	-99	55	-99	60	-99	0.746	0.3	9.6	-3	4.7	-99	240	-1	-0.5	-99	7.4
534	GS-09-218	7741501	-99	2.2	-1	-99	-99	-5	-99	32.6	-99	-0.05	-99	-99	37	-99	-99	34	38	-99	211	-99	-20	-99	0.007	1.2	31.2	-3	11.7	-99	346	-1	-0.5	-99	4.4
535	GS-09-220	7741502	-99	-1	-1	-99	-99	-5	0.93	43.7	-99	0.61	3.60	1640	287	1.36	-99	27	226	750	25	-99	32	-99	1.22	1.0	14.8	-3	4.3	-99	151	-0.5	-0.5	-99	3.3
536	GS-09-221	7741503	0.7	0.6	-99	0.4	-0.1	-99	1.72	31	-0.5	0.2	0.04	55	-0.1	1.42	0.4	18.3	5.8	-99	7.7	5.9	24.8	-0.001	-99	-0.1	-99	0.6	2.6	-1	112	-0.1	0.3	-0.1	10.4
537	GS-09-222	7740306	-99	2	-99	-99	-99	-50	-99	3	30.6	0.2	-99	622	1	3.72	8	-99	75	336	-1	-99	43	-99	-99	-0.1	39.4	-5	1.7	-100	125	-0.5	-0.5	-10	0.7
538	GS-14-001	7740903	1	2.1	-99	0.1	-99	-99	-99	8.7	10.4	0.06	-99	367	-2	3.60	2.8	5.9	17	194	3	1.6	47	-99	-99	-0.1	5.4	-5	1.2	-1	429	-0.5	0.1	-99	1.3
539	GS-14-002	7740904	3	1.9	-99	0.7	-99	-99	-99	9.4	31.0	0.32	-99	1471	-2	1.53	3.1	11.6	71	371	-1	2.5	50	-99	-99	0.1	37.7	-5	2.8	-1	342	-0.5	0.5	-99	0.7
540	GS-14-006	7740905	-1	1.7	-99	-0.1	-99	-99	-99	5.9	0.7	-0.05	-99	61	-2	3.20	-1.0	3.6	2	60	18	1.0	88	-99	-99	-0.1	0.4	-5	0.6	-1	294	-0.5	-0.1	-99	1.2
541	GS-14-007	7740906	3	4.7	-99	0.2	-99	-99	-99	48.3	11.8	0.05	-99	341	-2	4.06	5.8	32.2	7	769	-1	9.5	46	-99	-99	-0.1	4.1	-5	4.6	-1	449	0.6	0.4	-99	9.2
542	GS-14-011	7740907	6	9.4	-99	2.5	-99	-99	-99	58.1	56.7	0.93	-99	1524	3	2.64	23.1	69.3	57	5816	16	16.3	15	-99	-99	-0.1	24.3	-5	14.4	2	159	1.5	2.1	-99	2.0
543	GS-14-019	7740908	2	1.6	-99	0.5	-99	-99	-99	14.0	27.8	0.18	-99	1013	-2	2.85	6.2	14.1	9	1572	-1	3.4	138	-99	-99	-0.1	9.0	-5	3.4	-1	219	0.7	0.5	-99	1.2
544	GS-14-020	7740909	2	3.6	-99	0.3	-99	-99	-99	20	2.1	0.23	-99	184	-2	-99	7.0	15.4	5	359	-1	4.2	116	-99	-99	-99	0.4	-99	2.3	-1	276	0.6	0.3	-99	4.6
545	GS-14-033	7740911	3	2.9	-99	1.4	-99	-99	-99	29	107.7	0.51	-99	1478	-2	-99	3.4	42.8	64	4971	-1	8.9	84	-99	-99	-99	37.4	-99	8.8	1	299	0.8	1.2	-99	1.0
546	GS-14-035	7740912	2	2.5	-99	0.5	-99	-99	-99	35.2	34.4	0.19	-99	1184	-2	2.56	3.9	24.0	22	816	-1	6.6	57	-99	-99	0.1	26.6	-5	3.6	1	388	-0.5	0.4	-99	2.2
547	GS-14-038	7740913	4	3.1	-99	1.5	-99	-99	-99	23	62.2	0.57	-99	1839	-2	-99	3.6	36.9	68	5496	-1	7.3	71	-99	-99	-99	37.5	-99	9.1	1	254	-0.5	1.3	-99	1.0
548	GS-14-039	7740914	1	2.2	-99	-0.1	-99	-99	-99	12	7.6	-0.05	-99	154	-2	4.29	1.3	7.8	3	130	4	2.4	47	-99	-99	-0.1	1.3	-5	1.4	-1	232	-0.5	-0.1	-99	2.8
549	GS-14-040	7740915	1	2.0	-99	-0.1	-99	-99	-99	6	6.6	-0.05	-99	136	-2	3.83	1.8	3.4	4	93	5	0.9	69	-99	-99	-0.1	1.2	-5	0.6	-1	232	-0.5	-0.1	-99	1.0
550	GS-14-041	7741504	1	27	-99	0.9	-0.2	-99	-99	90.1	-99	0.47	-99	-99	4	-99	38	60.8	-20	-99	17	18.8	34	-99	-99	-0.5	3	-99	8.2	3	16	3.5	0.7	-99	223
551	GS-14-043	7740917	2	2.5	-99	0.5	-99	-99	-99	19	26.5	0.23	-99	900	-2	2.12	4.6	18.5	33	1051	-1	4.8	47	-99	-99	-0.1	18.2	-5	3.4	-1	576	-0.5	0.4	-99	2.2
552	GS-14-046	7741505	-1	5.5	-99	0.6	-0.2	-99	-99	4.3	-99	0.29	-99	-99	-2	-99	3	5.7	170	-99	5280	1.32	2	-99	-99	-0.5	46	-99	1.7	1	106	0.1	0.4	-99	0.6
553	GS-14-047	7741506	-1	1	-99	0.5	-0.2	-99	-99	2.3	-99	0.27	-99	-99	-2	-99	2	3.9	60	-99	593	0.77	3	-99	-99	1.2	36	-99	1.2	-1	215	0.1	0.3	-99	1.3
554	GS-14-048	7741507	-1	0.9	-99	0.5	-0.2	-99	-99	2.3	-99	0.26	-99	-99	3	-99	2	3.1	80	-99	638	0.63	-2	-99	-99	1.8	41	-99	1.1	2	320	0.1	0.3	-99	0.3
555	GS-14-049	7740918	2	1.1	-99	0.7	-99	-99	-99	2	36.1	0.31	-99	1084	-2	2.22	2.1	4.5	67	251	-1	0.8	14	-99	-99	2.1	51.3	-5	1.8	-1	73	-0.5	0.5	-99	0.2
556	GS-14-051	7741508	1	2.2	-99	0.8	-0.2	-99	-99	5.9	-99	0.38	-99	-99	-2	-99	4	8.4	60	-99	1850	1.77	7	-99	-99	5.3	25	-99	2.4	2	122	0.2	0.6	-99	0.4
557	GS-14-054	7740919	3	1.3	-99	0.6	-99	-99	-99	6	48.8	0.28	-99	1170	-2	-99	1.7	4.5	97	251	-1	0.9	19	-99	-99	-99	42.7	-99	1.6	-1	108	-0.5	0.4	-99	0.2
558	GS-14-057	7741001	2	1.4	-99	0.7	-99	-99	-99	7	5.1	0.48	-99	1522	-2	-99	2.7	8.3	54	484	-1	1.6	8	-99	-99	-99	28.2	-99	2.2	-1	192	-0.5	0.7	-99	0.6
559	GS-14-058	7741509	-1	5	-99	1.2	-0.2	-99	-99	35.1	-99	0.57	-99	-99	3	-99	8	28.7	20	-99	55	8.17	5	-99	-99	2.8	6	-99	5.5	2	117	0.9	0.9	-99	16.5
560	GS-14-060	7740921	3	6.6	-99	1.2	-99	-99	-99	52.5	3.1	0.58	-99	102	-2	4.09	10.3	38.2	11	277	-1	10.9	55	-99	-99	2.4	11.0	-5	6.7	3	66	1.0	0.9	-99	19.8
561	GS-14-063	7740922	3	3.1	-99	1.5	-99	-99	-99	7	23.8	0.63	-99	1617	-2	-99	4.6	13.5	26	728	-1	2.5	29	-99	-99	-99	34.7	-99	4.4	1	115	-0.5	1.1	-99	0.4
562	GS-14-064	7740923	5	12.7	-99	1.9	-99	-99	-99	82	23.5	0.51	-99	1386	3	-99	88.5	88.3	11	2559	-1	21.3	29	-99	-99	-99	5.0	-99	18.2	5	419	5.7	2.1	-99	10.2
563	GS-14-065	7741002	-1	1.6	-99	0.8	-99	-99	-99	8	17.0	0.40	-99	1865	-2	-99	2.1	11.4	38	868	-1	1.8	5	-99	-99	-99	24.5	-99	3.7	-1	165	-0.5	0.7	-99	0.6
564	GS-14-067	7740924	1	1.0	-99	0.3	-99	-99	-99	6	42.9	0.13	-99	1320	-2	-99	2.0	7.3	341	375	-1	1.6	34	-99	-99	-99	29.4	-99	1.7	-1	266	-0.5	0.3	-99	0.9
565	GS-14-072	7741511	-1	2	-99	1.0	-0.2	-99	-99	5.2	-99	0.42	-99	-99	-2	-99	4	9.2	60	-99	825	1.88	3	-99	-99	2.0	30	-99	2.9	1	160	0.2	0.7	-99	0.4
566	GS-14-073	7741512	-1	2.3	-99	1.0	-0.2	-99	-99	5	-99	0.43	-99	-99	8	-99	4	10.7	60	-99	120	2.14	-2	-99	-99	0.6	28	-99	3.4	-1	292	0.2	0.8	-99	0.6
567	GS-14-076	7740925	2	1.1	-99	0.6	-99	-99	-99	3	21.1	0.26	-99	1296	-2	-99	2.0	4.7	86	222	-1	0.9	5	-99	-99	-99	40.9	-99	1.8	-1	130	-0.5	0.4	-99	0.2
568	GS-14-077	7740926	3	2.6	-99	1.2	-99	-99	-99	24	18.8	0.46	-99	1690	-2	-99	2.6	35.6	36	4527	7	7.4	33	-99	-99	-99	26.8	-99	7.7	-1	407	-0.5	1.1	-99	0.7
569	GS-14-078	7740927	2	2.1	-99	1.0	-99	-99	-99	6	21.6	0.46	-99	1689	-2	-99	3.0	8.6	100	432	-1	1.6	9	-99	-99	-99	52.8	-99	3.1	1	85	-0.5	0.7	-99	0.3
570	GS-14-079	7741513	-1	1	-99	0.6	-0.2	-99	-99	2.4	-99	0.25	-99	-99	-2	-99	2	4.4	70	-99	202	0.89	-2	-99	-99	2.9	37	-99	1.4	-1	194	0.1	0.4	-99	0.2

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10						100, 10000	3					5000															200
Lower Detection Limit			0.1, 1	0.1 to 1	1	0.1	0.1, 0.2	5, 50	0.01	0.5, 1	0.1, 0.5	0.04 to 0.2	0.01	1	0.1 to 5	0.01, 0.05	0.1, 1	0.1, 5	1 to 50	1	0.5 to 5	0.05, 0.1	0.2 to 30	0.001	0.001, 0.01	0.1 to 0.5	0.1, 1	0.1 to 5	0.01 to 0.1	0.01 to 100	0.2, 1	0.1 to 1	0.1, 0.5	0.1, 10	0.1 to 0.5
571	GS-14-081	7741514	-1	0.7	-99	0.4	-0.2	-99	-99	1.5	-99	0.2	-99	-99	-2	-99	1	3.6	70	-99	25	0.64	-2	-99	-99	0.5	30	-99	1.2	-1	229	-0.1	0.3	-99	0.2
572	GS-14-087	7741515	-1	0.7	-99	0.4	-0.2	-99	-99	1.6	-99	0.2	-99	-99	-2	-99	1	3.5	70	-99	267	0.68	-2	-99	-99	1.0	29	-99	1.3	-1	213	-0.1	0.3	-99	0.1
573	GS-14-088	7740928	4	2.3	-99	1.1	-99	-99	-99	22	15.3	0.42	-99	1541	-2	-99	2.0	33.0	50	4566	-1	7.0	30	-99	-99	-99	27.5	-99	7.3	1	655	-0.5	1.0	-99	0.5
574	GS-14-090	7740929	3	1.4	-99	0.7	-99	-99	-99	4	17.8	0.33	-99	1399	-2	-99	2.4	5.3	96	270	-1	1.0	5	-99	-99	-99	48.0	-99	1.9	-1	79	-0.5	0.5	-99	0.2
575	GS-14-091	7740931	3	1.7	-99	0.9	-99	-99	-99	13	25.9	0.31	-99	1338	-2	-99	1.7	15.5	76	1095	-1	3.3	18	-99	-99	-99	31.3	-99	3.8	-1	443	-0.5	0.7	-99	0.4
576	GS-14-092	7740932	1	1.6	-99	-0.1	-99	-99	-99	3.4	8.3	-0.05	-99	216	-2	5.62	2.5	2.2	4	154	-1	0.6	29	-99	-99	-0.1	2.2	-5	0.4	-1	134	-0.5	-0.1	-99	0.5
577	GS-14-094	7740933	1	2.8	-99	-0.1	-99	-99	-99	2.4	14.2	0.09	-99	322	-2	5.30	1.6	1.3	9	331	-1	0.3	30	-99	-99	-0.1	2.9	-5	0.4	-1	153	-0.5	-0.1	-99	0.4
578	GS-14-095	7740934	1	3.5	-99	0.2	-99	-99	-99	17.8	10.8	-0.05	-99	250	-2	6.16	2.1	10.6	5	499	-1	3.2	14	-99	-99	-0.1	2.6	-5	1.8	-1	133	-0.5	0.2	-99	4.2
579	GS-14-096	7740935	2	1.5	-99	0.9	-99	-99	-99	9	31.6	0.43	-99	1492	-2	-99	2.3	8.9	109	283	-1	1.8	6	-99	-99	-99	40.2	-99	2.8	1	990	-0.5	0.7	-99	0.3
580	GS-14-097	7740936	2	2.3	-99	1.1	-99	-99	-99	5	43.9	0.49	-99	1551	-2	-99	2.5	5.8	59	472	-1	1.0	16	-99	-99	-99	54.0	-99	2.7	-1	104	-0.5	0.7	-99	0.5
581	GS-14-098	7741516	2	2.8	-99	0.4	-0.2	-99	-99	37.3	-99	0.1	-99	-99	-2	-99	4	28.1	-20	-99	305	7.78	13	-99	-99	-0.5	4	-99	5.2	1	320	0.1	0.5	-99	6.5
582	GS-14-099	7740937	3	1.0	-99	0.3	-99	-99	-99	6.3	16.8	0.12	-99	2011	-2	0.24	2.3	5.7	828	235	3	1.0	3	-99	-99	-0.1	25.7	-5	1.7	-1	138	-0.5	0.3	-99	0.2
583	GS-14-101	7740938	1	3.1	-99	0.1	-99	-99	-99	32.7	9.2	0.06	-99	245	-2	5.08	2.8	20.9	6	380	-1	6.4	21	-99	-99	-0.1	3.5	-5	2.8	-1	215	-0.5	0.2	-99	6.2
584	GS-14-103	7741517	-1	1.9	-99	0.1	-0.2	-99	-99	11	-99	-0.04	-99	-99	-2	-99	2	8.6	-20	-99	244	2.71	4	-99	-99	-0.5	2	-99	1.4	-1	156	-0.1	0.1	-99	3.3
585	GS-14-105	7740939	4	9.1	-99	2.3	-99	-99	-99	50	61.7	0.88	-99	1032	-2	-99	22.6	59.9	60	6051	-1	14.4	71	-99	-99	-99	27.1	-99	12.6	3	125	-0.5	1.9	-99	1.9
586	GS-14-106	7740941	2	3.9	-99	0.5	-99	-99	-99	28.5	12.8	0.14	-99	388	-2	4.41	4.3	24.9	23	680	-1	6.5	39	-99	-99	-0.1	8.6	-5	5.2	1	222	-0.5	0.5	-99	1.3
587	GS-14-107	7740942	2	2.6	-99	0.8	-99	-99	-99	17	24.6	0.33	-99	1112	-2	-99	4.0	18.5	44	469	-1	4.3	20	-99	-99	-99	31.8	-99	4.2	1	153	-0.5	0.6	-99	2.1
588	GS-14-108	7741518	-99	1.3	-1	-99	-99	-5	-99	9.4	-99	0.06	-99	-99	7	-99	-99	11	80	-99	-5	-99	70	-99	0.72	0.8	7.5	-3	1.9	-99	14	-1	-0.5	-99	1.3
589	GS-14-109	7740943	1	1.3	-99	0.5	-99	-99	-99	3	38.6	0.22	-99	1013	-2	-99	2.0	3.4	106	256	-1	0.8	20	-99	-99	-99	42.8	-99	1.4	-1	77	-0.5	0.3	-99	0.2
590	GS-14-110	7741519	-99	-0.5	-1	-99	-99	-5	-99	15.7	-99	4.67	-99	-99	-2	-99	-99	-5	25	-99	31	-99	-20	-99	0.034	1.6	40.8	-3	9.1	-99	238	-1	-0.5	-99	231
591	GS-14-112	7740944	2	4.8	-99	2.5	-99	-99	-99	21.9	9.3	12.37	-99	371	-2	6.04	4.5	16.2	7	4366	-1	3.8	8	-99	-99	-0.1	91.9	-5	6.7	-1	120	0.8	2.4	-99	28.3
592	GS-14-113	7740945	3	1.3	-99	0.6	-99	-99	-99	6.8	6.1	0.24	-99	1441	-2	2.99	2.5	8.0	107	336	3	1.5	16	-99	-99	1.4	31.3	-5	2.0	-1	221	-0.5	0.4	-99	0.6
593	GS-14-114	7740946	2	0.7	-99	0.4	-99	-99	-99	5.8	1.8	0.24	-99	1548	-2	3.49	-1.0	3.7	69	147	2	0.7	2	-99	-99	1.4	29.4	-5	1.1	-1	278	-0.5	0.3	-99	0.2
594	GS-14-115	7740947	1	1.4	-99	0.6	-99	-99	-99	2	25.4	0.32	-99	1255	-2	-99	1.5	4.9	83	267	5	0.9	12	-99	-99	-99	47.6	-99	1.7	-1	435	-0.5	0.4	-99	0.2
595	GS-14-116	7740948	3	2.2	-99	1.1	-99	-99	-99	19	15.4	0.35	-99	1555	-2	-99	1.7	30.9	48	4627	-1	6.5	23	-99	-99	-99	28.1	-99	7.0	2	468	-0.5	0.9	-99	0.4
596	GS-14-118	7740949	1	1.4	-99	0.5	-99	-99	-99	4.7	0.9	0.24	-99	971	-2	4.80	1.2	3.9	70	231	2	0.7	4	-99	-99	1.1	35.7	-5	1.3	-1	276	-0.5	0.3	-99	0.2
597	GS-14-120	7740951	1	2.0	-99	0.6	-99	-99	-99	2.4	4.6	0.28	-99	1287	-2	4.59	1.6	5.4	58	382	7	0.9	3	-99	-99	1.0	37.6	-5	1.7	1	225	-0.5	0.4	-99	0.2
598	GS-14-128	7740952	2	1.0	-99	0.5	-99	-99	-99	2	26.3	0.20	-99	1210	-2	-99	1.9	3.9	77	223	-1	0.8	3	-99	-99	-99	44.1	-99	1.5	-1	102	-0.5	0.4	-99	0.2
599	GS-14-129	7740953	2	2.6	-99	0.5	-99	-99	-99	20.9	16.6	0.19	-99	856	-2	2.75	4.1	20.6	93	1419	-1	5.2	74	-99	-99	0.1	19.4	-5	3.6	-1	574	-0.5	0.5	-99	3.0
600	GS-14-130	7740954	2	3.5	-99	0.3	-99	-99	-99	29	6.9	0.09	-99	192	-2	-99	7.5	19.0	8	430	2	5.8	102	-99	-99	-99	2.6	-99	3.1	1	224	-0.5	0.3	-99	8.3
601	GS-14-131	7740955	2	2.4	-99	0.4	-99	-99	-99	19.5	12.5	0.14	-99	900	-2	2.30	4.7	18.0	295	1274	2	4.6	87	-99	-99	0.1	17.5	-5	3.5	-1	601	-0.5	0.4	-99	2.9
602	GS-14-132	7740956	3	0.7	-99	0.2	-99	-99	-99	7.6	10.7	0.09	-99	1105	-2	0.56	1.3	7.0	881	605	1	1.9	28	-99	-99	-0.1	4.1	-5	1.6	-1	296	-0.5	0.2	-99	1.0
603	GS-14-135	7740957	1	1.3	-99	0.4	-99	-99	-99	9	21.4	0.16	-99	1202	-2	-99	2.1	11.4	397	723	196	3.0	32	-99	-99	-99	29.7	-99	2.3	-1	204	-0.5	0.3	-99	1.6
604	GS-14-137	7741521	-99	5.6	-1	-99	-99	-5	-99	33.4	-99	0.67	-99	-99	3	-99	-99	27	6	-99	-5	-99	-20	-99	0.075	1.7	3.3	-3	5.0	-99	150	-1	-0.5	-99	8.8
605	GS-14-138	7741522	-99	7.3	-1	-99	-99	-5	-99	40.3	-99	-0.05	-99	-99	-2	-99	-99	37	15	-99	160	-99	-20	-99	0.062	3.4	9.1	-3	2.1	-99	147	-1	-0.5	-99	8.7
606	GS-14-139	7741523	1	4	-99	1.5	-0.2	-99	-99	21.6	-99	0.53	-99	-99	-2	-99	15	29	70	-99	282	6.53	111	-99	-99	4.0	29	-99	7.0	1	182	0.8	1.2	-99	1.0
607	GS-14-140	7741524	-99	6.3	-1	-99	-99	-5	-99	37.3	-99	-0.05	-99	-99	-2	-99	-99	69	33	-99	52	-99	-20	-99	0.082	2.1	15.0	-3	3.5	-99	163	-1	-0.5	-99	7.5
608	GS-14-142	7740958	2	1.4	-99	0.6	-99	-99	-99	2.2	84.3	0.30	-99	1221	-2	2.00	1.8	4.5	90	267	-1	0.8	4	-99	-99	0.6	52.8	-5	1.7	-1	181	-0.5	0.4	-99	0.2
609	GS-14-143	7741525	-99	5.4	-1	-99	-99	-5	-99	41.5	-99	-0.05	-99	-99	2	-99	-99	250	7	-99	899	-99	90	-99	0.146	2.5	4.3	186	-0.1	-99	82	-1	-0.5	-99	10.3
610	GS-14-144	7741526	-99	8.3	-1	-99	-99	-5	-99	35.9	-99	0.69	-99	-99	-2	-99	-99	40	8	-99	167	-99	110	-99	0.021	1.5	4.9	42	2.9	-99	51	-1	-0.5	-99	11.6
611	GS-14-145	7741527	-99	5.4	-1	-99	-99	-5	-99	30.1	-99	0.52	-99	-99	2	-99	-99	39	9	-99	15	-99	110	-99	0.034	1.8	3.9	-3	3.8	-99	61	-1	-0.5	-99	8.7
612	GS-14-146	7741528	-99	7.5	-1	-99	-99	-5	-99	39.5	-99	0.43	-99	-99	2	-99	-99	47	8	-99	-5	-99	150	-99	0.004	1.2	4.6	-3	4.7	-99	33	-1	-0.5	-99	7.3
613	GS-14-147	7741529	-99	7.6	-1	-99	-99	-5	-99	34.3	-99	-0.05	-99	-99	3	-99	-99	41	7	-99	24	-99	120	-99	0.927	1.8	4.7	-3	3.7	-99	60	-1	-0.5	-99	12.8
614	GS-14-148	7741531	-99	4.7	-1	-99	-99	-5	-99	29.9	-99	-0.05	-99	-99	8	-99	-99	34	13	-99	182	-99	110	-99	1.52	2.1	5.1	-3	0.2	-99	162	-1	-0.5	-99	12.0
615	GS-14-149	7741532	-99	6.4	-1	-99	-99	-5	-99	34.2	-99	0.72	-99	-99	-2	-99	-99	22	7	-99	11	-99	140	-99	0.037	0.7	4.6	-3	4.7	-99	125	-1	-0.5	-99	10.4
616	GS-14-151	7741533	-1	2.8	-99	0.8	-0.2	-99	-99	49	-99	0.33	-99	-99	-2	-99	15	52.4	40	-99	86	13.6	81	-99	-99	1.5	17	-99	8.4	-1	270	0.8	0.8	-99	2.2
617	GS-14-152	7741534	-1	2.4	-99	0.7	-0.2	-99	-99	40.7	-99	0.31	-99	-99	-2	-99	14	42.3	40	-99	102	11.2	26	-99	-99	0.6	17	-99	6.9	-1	278	0.7	0.7	-99	2.1
618	GS-14-157	7741535	-1	0.6	-99	0.4	-0.2	-99	-99	2.4	-99	0.2	-99	-99	-2	-99	2	4.3	110	-99	114	0.84	10	-99	-99	1.3	31	-99	1.4	-1	265	-0.1	0.3	-99	0.1
619	GS-14-158	7741536	-1	3.4	-99	0.8	-0.2	-99	-99	30.1	-99	0.41	-99	-99	-2	-99	7	25	-20	-99	7	6.97	10	-99	-99	0.9	5	-99	4.8	2	64	0.6	0.6	-99	8.7
620	GS-14-159	7741537	-1	1.6	-99	1.0	-0.2	-99	-99	6.4	-99	0.37	-99	-99	-2	-99	4	11.6	70	-99	357	2.45	56	-99	-99	2.9	25	-99	3.7	-1	225	0.1	0.8	-99	0.5
621	GS-14-160	7740963	2	4.9	-99	1.0	-99	-99	-99	31	4.1	0.44	-99	519	-2	-99	8.1	28.8	7	309	-1	7.4	-2	-99	-99	-99	5.8	-99	5.4	2	84	-0.5	0.7	-99	8.2
622	GS-14-161	7741003	5	7.0	-99	1.1	-99	-99	-99	42	30.9	0.36	-99	340	-2	-99	7.9	25.4	8	265	34	8.2	128	-99	-99	-99	5.2	-99	7.5	1	70	0.8	0.7	-99	12.8
623	GS-14-162	7741538	-99	8.7	-1	-99	-99	-5	-99	54.8	-99	0.58	-99	-99	3	-99	-99	48	11	-99	9	-99	110	-99	0.082	2.9	6.8	-3	7.5	-99	77	-1	-0.5	-99	14.3
624	GS-14-164	7741539	-99	4.5	-1	-99	-99	-5	-99	7.2	-99	0.27	-99	-99	-2	-99	-99	-5	113	-99	-5	-99	-20	-99	0.031	-0.2	47.4	-3	2.8	-99	45	-1	-0.5	-99	-0.5
625	GS-14-165	7741541	-99	3.1	-1	-99	-99	-5	-99	15.9	-99	0.25	-99	-99	5	-99	-99	16	25	-99	-5	-99	-20	-99	0.121	2.5	33.9	-3	2.8	-99	58	-1	-0.5	-99	3.2
626	GS-14-166	7741542	-99	7.2	-1	-99	-99	-5	-99	37.6	-99	0.36	-99	-99	-2	-99	-99	26	59	-99	-5	-99	180	-99	0.042	2.7	30.5	-3	7.0	-99	21	-1	-0.5	-99	4.6
627	GS-14-167	7741543	-99	-0.5	-1	-99	-99	-5	-99	2.5	-99	-0.05	-99	-99	-2	-99	-99	-5	6	-99	16	-99	-20	-99	0.086	0.7	0.7	-3	-0.1	-99	124	-1	-0.5	-99	0.6

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10						100, 10000	3					5000															200
Lower Detection Limit			0.1, 1	0.1 to 1	1	0.1	0.1, 0.2	5, 50	0.01	0.5, 1	0.1, 0.5	0.04 to 0.2	0.01	1	0.1 to 5	0.01, 0.05	0.1, 1	0.1, 5	1 to 50	1	0.5 to 5	0.05, 0.1	0.2 to 30	0.001	0.001, 0.01	0.1 to 0.5	0.1, 1	0.1 to 5	0.01 to 0.1	0.01 to 100	0.2, 1	0.1 to 1	0.1, 0.5	0.1, 10	0.1 to 0.5
628	GS-14-169	7740964	2	4.7	-99	0.4	-99	-99	-99	44	13.5	0.20	-99	440	-2	3.35	9.6	29.8	8	480	6	8.7	154	-99	-99	-0.1	4.1	-5	4.5	1	238	-0.5	0.5	-99	8.6
629	GS-14-170	7740965	3	5.7	-99	0.5	-99	-99	-99	44	15.7	0.29	-99	410	-2	3.41	12.8	30.0	9	622	5	8.9	169	-99	-99	0.1	4.9	-5	4.9	2	258	1.1	0.5	-99	10.7
630	GS-14-171	7740966	1	5.1	-99	0.2	-99	-99	-99	24	12.2	0.07	-99	308	-2	2.75	3.9	17.4	13	717	-1	5.1	62	-99	-99	-0.1	3.6	-5	2.9	-1	150	-0.5	0.2	-99	4.0
631	GS-14-172	7740967	2	3.3	-99	0.5	-99	-99	-99	40.8	2.8	0.22	-99	308	-2	0.57	9.4	32.1	9	204	42	9.0	279	-99	-99	0.6	4.3	-5	5.3	2	91	-0.5	0.4	-99	10.7
632	GS-14-173	7740968	2	2.3	-99	0.8	-99	-99	-99	10.1	8.1	0.34	-99	1487	2	2.60	4.8	12.2	53	486	10	3.0	27	-99	-99	0.6	41.1	-5	3.5	1	156	-0.5	0.6	-99	1.7
633	GS-14-174	7740969	2	5.1	-99	0.5	-99	-99	-99	55.7	1.5	0.21	-99	289	2	3.80	9.8	36.4	5	146	18	11.5	94	-99	-99	-0.1	2.6	-5	5.5	-1	190	0.5	0.4	-99	9.6
634	GS-14-176	7740971	2	5.4	-99	1.3	-99	-99	-99	7.1	29.9	0.56	-99	866	-2	4.66	6.0	14.5	22	958	5	2.9	3	-99	-99	0.6	24.3	-5	4.3	2	104	-0.5	0.8	-99	0.6
635	GS-14-177	7740972	2	0.9	-99	0.5	-99	-99	-99	2.1	38.2	0.23	-99	1320	5	1.92	1.2	3.1	118	206	-1	0.8	60	-99	-99	0.2	45.2	-5	1.8	-1	436	-0.5	0.4	-99	0.1
636	GS-14-179	7741544	2	2	-99	0.9	-0.2	-99	-99	5.9	-99	0.39	-99	-99	-2	-99	4	10.1	40	-99	2300	2.17	129	-99	-99	0.8	42	-99	2.8	-1	843	0.2	0.7	-99	0.5
637	GS-14-180	7740973	2	4.0	-99	0.4	-99	-99	-99	32.4	25.2	0.20	-99	222	-2	1.54	10.0	23.4	5	46	7	7.0	147	-99	-99	-0.1	2.4	-5	3.9	1	116	-0.5	0.4	-99	10.0
638	GS-14-181	7740974	2	1.4	-99	0.7	-99	-99	-99	2.9	198.9	0.34	-99	1324	-2	2.14	1.7	6.2	86	276	-1	1.0	341	-99	-99	-0.1	48.1	-5	1.9	3	379	-0.5	0.4	-99	0.1
639	GS-14-182	7741004	6	2.6	-99	0.5	-99	-99	-99	29	124.6	0.20	-99	2419	4	-99	5.7	19.9	54	162	4	5.3	195	-99	-99	-99	24.8	-99	4.3	-1	88	-0.5	0.4	-99	4.7
640	GS-14-183	7741545	-99	3.3	-1	-99	-99	-5	-99	5.6	-99	0.48	-99	-99	-2	-99	-99	-5	1	-99	-5	-99	-20	-99	0.055	-0.2	1.2	6	3.4	-99	22	15	-0.5	-99	6.3
641	GS-14-184	7740975	2	4.0	-99	0.2	-99	-99	-99	13	9.7	-0.05	-99	328	-2	3.62	2.9	13.6	18	475	-1	3.3	37	-99	-99	-0.1	5.5	-5	2.0	-1	323	-0.5	0.2	-99	2.1
642	GS-14-185	7741546	-99	4.8	-1	-99	-99	-5	-99	6.6	-99	0.45	-99	-99	-2	-99	-99	-5	2	-99	-5	-99	330	-99	0.003	1.0	9.1	-3	3.1	-99	25	11	-0.5	-99	22.0
643	GS-14-186	7740976	1	3.5	-99	-0.1	-99	-99	-99	16	9.9	-0.05	-99	244	-2	-99	2.3	9.0	10	415	-1	2.8	64	-99	-99	-99	2.7	-99	1.5	-1	209	-0.5	0.1	-99	0.8
644	GS-14-187	7741547	-99	2.2	-1	-99	-99	-5	-99	3.7	-99	0.21	-99	-99	2	-99	-99	-5	2	-99	19	-99	270	-99	0.005	0.5	1.0	-3	0.4	-99	97	-1	-0.5	-99	14.5
645	GS-14-188	7740977	1	12.5	-99	0.5	-99	-99	-99	27	21.2	0.24	-99	237	-2	-99	5.3	20.7	35	352	1	5.8	113	-99	-99	-99	8.8	-99	3.4	-1	119	-0.5	0.5	-99	8.6
646	GS-14-189	7741548	-99	3.7	-1	-99	-99	-5	-99	32.1	-99	0.3	-99	-99	-2	-99	-99	27	45	-99	-5	-99	-20	-99	0.017	-0.2	9.6	-3	3.8	-99	381	-1	-0.5	-99	8.9
647	GS-14-191	7741549	-99	5.4	-1	-99	-99	-5	-99	2.5	-99	0.33	-99	-99	-2	-99	-99	-5	2	-99	19	-99	160	-99	0.005	0.4	1.5	-3	0.5	-99	68	-1	-0.5	-99	28.3
648	GS-14-192	7740978	-1	6.1	-99	0.4	-99	-99	-99	15	28.0	0.18	-99	440	-2	3.84	3.1	19.3	14	1011	-1	4.4	56	-99	-99	-0.1	10.8	-5	4.2	-1	345	-0.5	0.4	-99	0.3
649	GS-14-193	7741551	-99	5.6	-1	-99	-99	-5	-99	8.1	-99	0.24	-99	-99	-2	-99	-99	-5	18	-99	-5	-99	110	-99	0.272	1.7	20.6	-3	1.8	-99	54	-1	-0.5	-99	5.9
650	GS-14-194	7741552	-99	3.1	-1	-99	-99	-5	-99	9.5	-99	0.3	-99	-99	4	-99	-99	-5	86	-99	19	-99	-20	-99	1.62	2.2	29.1	-3	3.0	-99	100	-1	-0.5	-99	2.8
651	GS-14-195	7741553	-99	4.7	-1	-99	-99	-5	-99	35.7	-99	0.31	-99	-99	-2	-99	-99	17	2	-99	-5	-99	210	-99	0.01	1.2	1.8	-3	2.8	-99	130	-1	-0.5	-99	15.5
652	GS-14-197	7740979	1	1.9	-99	0.5	-99	-99	-99	12	23.4	0.23	-99	1002	-2	1.58	4.4	13.2	298	629	3	3.2	61	-99	-99	0.2	26.7	-5	3.1	-1	294	-0.5	0.4	-99	4.6
653	GS-14-198	7740981	5	2.0	-99	0.5	-99	-99	-99	16	26.1	0.27	-99	959	-2	2.17	3.0	13.1	274	799	-1	3.6	35	-99	-99	0.2	25.7	-5	3.1	-1	564	-0.5	0.4	-99	3.0
654	GS-14-199	7740982	5	7.3	-99	0.8	-99	-99	-99	47	15.5	0.37	-99	303	-2	2.34	16.0	35.4	5	97	25	9.9	211	-99	-99	0.3	4.9	-5	5.4	3	108	0.9	0.7	-99	16.7
655	GS-14-200	7740983	6	5.6	-99	0.7	-99	-99	-99	48.0	2.8	0.49	-99	253	-2	2.92	15.3	35.8	3	64	9	10.5	151	-99	-99	0.5	3.2	-5	6.8	2	44	0.8	0.7	-99	18.0
656	GS-14-201	7740984	2	6.4	-99	1.1	-99	-99	-99	59.2	2.2	0.69	-99	285	-2	3.46	20.0	44.9	5	102	1	13.8	235	-99	-99	0.2	5.0	-5	8.0	6	37	1.2	0.9	-99	22.0
657	GS-14-203	7740985	2	5.1	-99	1.0	-99	-99	-99	51	4.7	0.45	-99	251	-2	-99	15.7	37.7	3	62	14	11.2	169	-99	-99	-99	3.5	-99	6.3	2	48	0.9	0.8	-99	18.5
658	GS-14-207	7741554	1	7.4	-99	3.3	-0.2	-99	-99	89.6	-99	2.49	-99	-99	-2	-99	48	67.4	-20	-99	2070	18.7	317	-99	-99	0.9	14	-99	14.1	12	45	2.1	2.1	-99	27.8
659	GS-14-208	7741555	1	2.5	-99	0.5	-0.2	-99	-99	15.7	-99	0.23	-99	-99	-2	-99	7	13.6	70	-99	17	3.63	152	-99	-99	-0.5	25	-99	2.8	1	191	0.4	0.4	-99	4.3
660	GS-14-209	7741556	1	2.5	-99	0.8	-0.2	-99	-99	19.4	-99	0.34	-99	-99	-100	-99	9	17.8	90	-99	237	4.52	187	-99	-99	-0.5	35	-99	3.8	-1	220	0.5	0.6	-99	4.7
661	GS-14-210	7741557	1	2.8	-99	0.7	-0.2	-99	-99	18.4	-99	0.32	-99	-99	-100	-99	9	17.8	100	-99	477	4.53	191	-99	-99	-0.5	36	-99	3.7	-1	204	0.6	0.6	-99	4.0
662	GS-14-211	7741558	2	2.4	-99	0.6	-0.2	-99	-99	26.5	-99	0.23	-99	-99	5	-99	7	22.2	90	-99	7	6.14	183	-99	-99	-0.5	28	-99	4.2	3	111	0.5	0.6	-99	5.4
663	GS-14-212	7741559	-1	4.9	-99	0.5	-0.2	-99	-99	52	-99	0.22	-99	-99	-2	-99	14	32.6	-20	-99	195	10.1	52	-99	-99	-0.5	4	-99	4.9	1	243	1.1	0.4	-99	18.7
664	GS-14-220	7740986	3	13.0	-99	1.7	-99	-99	-99	74.7	9.8	0.72	-99	319	4	5.09	20.3	64.8	5	235	62	17.7	27	-99	-99	-0.1	6.9	-5	9.1	5	69	1.3	1.3	-99	17.7
665	GS-14-221	7741561	-1	5.4	-99	1.3	-0.2	-99	-99	71.5	-99	0.63	-99	-99	-2	-99	20	50.9	-20	-99	14	15.2	145	-99	-99	-0.5	2	-99	8.4	-1	91	2.4	1	-99	18.0
666	GS-14-222	7741562	-1	5	-99	1.1	-0.2	-99	-99	58	-99	0.59	-99	-99	-2	-99	25	40.6	-20	-99	10	12.4	179	-99	-99	-0.5	1	-99	7.1	1	41	2.6	0.8	-99	18.0
667	GS-14-223	7741563	-1	4.4	-99	1.8	-0.2	-99	-99	49.2	-99	0.92	-99	-99	-2	-99	27	44.4	-20	-99	16	12.7	-2	-99	-99	-0.5	2	-99	9.7	-1	49	2.7	1.4	-99	24.4
668	GS-14-224	7741564	1	5.7	-99	1.9	-0.2	-99	-99	67.3	-99	0.78	-99	-99	-2	-99	21	55.5	-20	-99	110	15.8	202	-99	-99	-0.5	2	-99	10.6	5	55	2	1.5	-99	26.2
669	GS-14-225	7741565	-1	5.5	-99	1.5	-0.2	-99	-99	40.7	-99	0.7	-99	-99	-2	-99	30	32.3	-20	-99	65	9.42	243	-99	-99	-0.5	2	-99	6.0	4	32	2.8	1	-99	20.4
670	GS-14-226	7741566	1	3.3	-99	0.6	-0.2	-99	-99	3.8	-99	0.43	-99	-99	-2	-99	24	3.6	-20	-99	42	1	276	-99	-99	-0.5	2	-99	1.1	3	25	2.9	0.3	-99	20.5
671	GS-14-227	7740987	3	3.4	-99	0.2	-99	-99	-99	31	17.9	0.08	-99	282	-2	4.65	7.0	22.4	7	499	2	6.8	95	-99	-99	0.1	4.7	-5	2.0	-1	263	-0.5	0.2	-99	7.8
672	GS-14-230	7740988	1	17.6	-99	3.3	-99	-99	-99	135.3	4.9	1.23	-99	594	-2	5.52	33.8	122.3	11	513	86	33.6	25	-99	-99	0.6	8.3	-5	21.7	3	109	1.7	2.8	-99	20.9
673	GS-14-232	7740989	5	10.4	-99	2.5	-99	-99	-99	111.4	9.8	1.05	-99	351	2	5.36	24.5	94.5	5	144	38	24.7	12	-99	-99	0.2	4.7	-5	14.2	3	69	2.0	1.7	-99	20.2
674	GS-14-240	7741567	1	11.3	-99	2.1	-0.2	-99	-99	102	-99	0.89	-99	-99	-2	-99	30	78.5	-20	-99	1130	22.5	-2	-99	-99	-0.5	9	-99	13.3	3	147	1.9	1.8	-99	22.2
675	GS-14-241	7741568	1	10.5	-99	1.6	-0.2	-99	-99	85.7	-99	0.74	-99	-99	4	-99	22	63.8	-20	-99	47	17.8	104	-99	-99	-0.5	6	-99	10.5	3	114	1.6	1.4	-99	21.7
676	GS-14-242	7741569	-1	6.5	-99	2.3	-0.2	-99	-99	127	-99	1.04	-99	-99	2	-99	23	93.3	-20	-99	97	27.1	-2	-99	-99	-0.5	3	-99	14.5	3	43	1.9	1.9	-99	27.3
677	GS-14-243	7741571	-1	10.7	-99	2.9	-0.2	-99	-99	142	-99	1.33	-99	-99	3	-99	36	112	-20	-99	468	31.8	2	-99	-99	-0.5	4	-99	19.0	4	63	2.5	2.3	-99	25.0
678	GS-14-244	7741572	-1	10.7	-99	1.7	-0.2	-99	-99	86.6	-99	0.77	-99	-99	11	-99	28	66.9	-20	-99	172	19.1	-2	-99	-99	-0.5	9	-99	11.5	3	135	1.7	1.4	-99	16.6
679	GS-14-245	7740991	2	1.1	-99	0.3	-99	-99	-99	9.6	21.7	0.14	-99	1025	-2	1.02	1.9	8.5	619	656	-1	2.8	63	-99	-99	0.3	15.3	-5	2.6	-1	327	-0.5	0.3	-99	2.2
680	GS-14-246	7740992	1	10.4	-99	1.2	-99	-99	-99	48.3	12.5	0.52	-99	566	3	3.85	14.0	43.8	9	839	10	12.2	80	-99	-99	0.3	12.2	-5	7.5	1	357	0.9	1.1	-99	6.8
681	GS-14-247	7740993	2	1.9	-99	0.5	-99	-99	-99	14.3	16.3	0.21	-99	996	3	1.76	3.2	12.4	255	789	-1	3.6	60	-99	-99	0.2	32.0	-5	3.5	-1	427	-0.5	0.4	-99	2.9
682	GS-14-248	7741573	-1	5.2	-99	0.9	-0.2	-99	-99	30	-99	0.42	-99	-99	29	-99	18	19.2	40	-99	965	5.51	8	-99	-99	-0.5	21	-99	3.8	2	250	0.8	0.6	-99	7.4
683	GS-14-249	7740994	6	6.3	-99	1.9	-99	-99	-99	66.9	1.7	0.78	-99	188	-2	0.92	23.0	57.0	4	59	29	15.5	200	-99	-99	0.3	2.1	-5	10.7	2	40	2.7	1.2	-99	23.4
684	GS-14-252	7740995	5	15.6	-99	3.4	-99	-99	-99	141	3.8	1.45	-99	545	3	-99	31.9	112.4	8	451	12	33.8	103	-99	-99	-99	8.3	-99	20.1	3	113	2.0	2.3	-99	19.1

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10						100, 10000	3					5000															200
Lower Detection Limit			0.1, 1	0.1 to 1	1	0.1	0.1, 0.2	5, 50	0.01	0.5, 1	0.1, 0.5	0.04 to 0.2	0.01	1	0.1 to 5	0.01, 0.05	0.1, 1	0.1, 5	1 to 50	1	0.5 to 5	0.05, 0.1	0.2 to 30	0.001	0.001, 0.01	0.1 to 0.5	0.1, 1	0.1 to 5	0.01 to 0.1	0.01 to 100	0.2, 1	0.1 to 1	0.1, 0.5	0.1, 10	0.1 to 0.5
685	GS-15-015	7741017	3	3.8	-99	0.5	-99	-99	-99	30	1.0	0.26	-99	507	4	-99	11.0	22.2	12	712	-1	6.2	8	-99	-99	-99	13.7	-99	3.7	1	148	0.7	0.5	-99	6.2
686	GS-15-016	7741018	3	8.6	-99	1.3	-99	-99	-99	90	-0.1	0.65	-99	90	-2	-99	15.7	69.6	1	99	1	19.8	4	-99	-99	-99	1.6	-99	10.6	4	48	1.5	1.2	-99	13.3
687	GS-15-017	7741019	2	5.0	-99	0.7	-99	-99	-99	31	9.4	0.33	-99	743	-2	-99	12.6	26.9	11	751	-1	7.7	40	-99	-99	-99	15.3	-99	4.5	1	106	1.1	0.5	-99	6.3
688	GS-15-018	7741021	3	10.7	-99	1.3	-99	-99	-99	83	0.7	0.56	-99	134	3	-99	27.4	67.5	3	114	6	18.6	8	-99	-99	-99	2.8	-99	11.7	2	88	2.2	1.3	-99	10.6
689	GS-15-019	7741022	6	7.5	-99	1.0	-99	-99	-99	30	27.8	0.19	-99	1593	2	-99	35.5	45.3	475	2199	-1	10.0	12	-99	-99	-99	26.9	-99	10.7	3	98	3.4	1.2	-99	2.4
690	GS-15-020	7741023	3	1.3	-99	0.5	-99	-99	-99	2	24.8	0.24	-99	1080	-2	-99	2.8	4.4	79	239	-1	0.8	7	-99	-99	-99	40.4	-99	1.6	-1	171	0.5	0.4	-99	-0.1
691	GS-15-022	7741024	3	1.1	-99	0.4	-99	-99	-99	8	30.7	0.17	-99	1024	-2	-99	1.7	9.4	126	487	-1	2.1	9	-99	-99	-99	32.5	-99	1.9	-1	180	-0.5	0.3	-99	0.6
692	GS-15-027	7741025	4	1.5	-99	0.7	-99	-99	-99	8	21.4	0.28	-99	1344	-2	-99	1.1	12.6	91	971	-1	2.7	39	-99	-99	-99	28.4	-99	3.2	-1	591	-0.5	0.6	-99	-0.1
693	GS-15-028	7741574	-99	3	-1	-99	-99	-5	-99	5.7	-99	-0.05	-99	-99	3	-99	-99	31	47	-99	161	-99	-20	-99	0.16	2.3	30.8	-3	-0.1	-99	244	-1	-0.5	-99	-0.5
694	GS-15-029	7741026	5	2.3	-99	1.1	-99	-99	-99	20	15.2	0.39	-99	1795	-2	-99	2.1	31.7	28	4427	-1	6.7	25	-99	-99	-99	30.5	-99	6.7	1	518	-0.5	1.0	-99	0.2
695	GS-15-032	7741027	2	1.1	-99	0.5	-99	-99	-99	2	65.9	0.22	-99	690	-2	-99	-1.0	4.0	111	225	-1	0.7	65	-99	-99	-99	43.8	-99	1.3	-1	58	-0.5	0.3	-99	-0.1
696	GS-15-033	7741028	3	1.0	-99	0.5	-99	-99	-99	2	28.9	0.25	-99	1294	-2	-99	-1.0	3.9	97	267	-1	0.7	9	-99	-99	-99	48.2	-99	1.6	-1	138	-0.5	0.4	-99	-0.1
697	GS-15-034	7741029	3	1.2	-99	0.5	-99	-99	-99	2	15.7	0.28	-99	1366	-2	3.36	-1.0	3.7	54	260	9	0.8	9	-99	-99	0.5	49.2	-5	1.3	-1	144	-0.5	0.4	-99	-0.1
698	GS-15-035	7741159	3	0.6	-99	0.4	-99	-99	-99	1	21.8	0.25	-99	1761	-2	-99	5.1	2.2	66	129	3	0.5	1	-99	-99	-99	32.4	-99	0.9	-1	211	1.5	0.2	-99	0.2
699	GS-15-037	7741575	-99	-0.5	-1	-99	-99	-5	-99	2.3	-99	0.39	-99	-99	-2	-99	-99	18	71	-99	51	-99	-20	-99	0.023	3.7	31.5	-3	0.9	-99	148	-1	-0.5	-99	-0.5
700	GS-15-039	7741031	3	1.1	-99	0.4	-99	-99	-99	1	2.5	0.22	-99	1770	2	4.44	-1.0	2.7	49	362	26	0.4	7	-99	-99	3.3	34.7	-5	1.1	-1	202	-0.5	0.3	-99	-0.1
701	GS-15-040	7741576	-99	-0.5	-1	-99	-99	-5	-99	4	-99	-0.05	-99	-99	-2	-99	-99	9	53	-99	144	-99	-20	-99	0.092	0.8	5.4	-3	0.3	-99	155	-1	-0.5	-99	-0.5
702	GS-15-041	7741032	3	1.8	-99	0.4	-99	-99	-99	15	30.1	0.17	-99	1122	-2	-99	3.3	16.1	32	1055	-1	4.0	32	-99	-99	-99	19.9	-99	3.3	-1	303	-0.5	0.4	-99	0.6
703	GS-15-043	7741033	4	1.1	-99	0.6	-99	-99	-99	2	33.3	0.30	-99	1317	-2	-99	-1.0	5.0	65	270	-1	0.9	6	-99	-99	-99	52.0	-99	1.6	-1	92	-0.5	0.4	-99	-0.1
704	GS-15-045	7741577	-99	-0.5	-1	-99	-99	-5	-99	3.7	-99	-0.05	-99	-99	-2	-99	-99	6	79	-99	30	-99	-20	-99	0.104	0.9	33.8	-3	-0.1	-99	213	-1	-0.5	-99	-0.5
705	GS-15-046	7741034	7	8.0	-99	1.1	-99	-99	-99	35	15.9	0.21	-99	1829	-2	-0.05	36.0	52.6	502	2318	-1	11.6	16	-99	-99	1.2	30.8	-5	11.5	3	94	3.2	1.5	-99	2.6
706	GS-15-048	7741035	4	1.0	-99	0.3	-99	-99	-99	6	20.8	0.09	-99	1240	-2	-99	1.6	9.5	611	411	-1	2.0	26	-99	-99	-99	34.9	-99	2.2	-1	209	-0.5	0.3	-99	0.3
707	GS-15-049	7741036	4	1.3	-99	0.6	-99	-99	-99	2	33.7	0.31	-99	1861	-2	3.03	1.5	5.2	82	321	39	1.0	25	-99	-99	0.5	53.2	-5	2.0	-1	222	-0.5	0.5	-99	-0.1
708	GS-15-050	7741578	-99	-0.5	-1	-99	-99	-5	-99	7.0	-99	-0.05	-99	-99	-2	-99	-99	15	52	-99	29	-99	-20	-99	0.061	3.1	27.4	-3	0.6	-99	236	-1	-0.5	-99	-0.5
709	GS-15-051	7741037	4	3.6	-99	1.2	-99	-99	-99	16	18.5	0.71	-99	1680	-2	3.03	5.6	23.5	42	1784	3	5.2	10	-99	-99	1.1	42.3	-5	5.8	1	124	-0.5	1.1	-99	0.4
710	GS-15-053	7741038	5	4.7	-99	1.7	-99	-99	-99	8	32.1	0.86	-99	3451	-2	2.01	6.6	16.7	38	2095	158	3.3	16	-99	-99	9.4	43.9	-5	5.3	2	135	0.6	1.2	-99	0.2
711	GS-15-054	7741579	-99	-0.5	-1	-99	-99	-5	-99	4.9	-99	-0.05	-99	-99	7	-99	-99	70	57	-99	384	-99	-20	-99	0.069	3.2	32.3	-3	-0.1	-99	165	-1	-0.5	-99	-0.5
712	GS-15-055	7741041	3	0.9	-99	0.5	-99	-99	-99	1	2.8	0.20	-99	1482	-2	3.80	-1.0	2.8	40	351	19	0.5	5	-99	-99	3.6	29.8	-5	1.0	-1	193	-0.5	0.3	-99	-0.1
713	GS-15-056	7741042	3	1.2	-99	0.5	-99	-99	-99	2	2.9	0.19	-99	1045	3	5.00	-1.0	3.2	41	195	30	0.6	9	-99	-99	5.5	34.7	-5	1.0	-1	132	-0.5	0.3	-99	-0.1
714	GS-15-057	7741043	4	1.3	-99	0.6	-99	-99	-99	2	15.2	0.29	-99	1294	-2	-99	1.3	4.7	86	279	-1	0.9	11	-99	-99	-99	48.8	-99	1.6	-1	148	-0.5	0.4	-99	-0.1
715	GS-15-058	7741581	-1	9.3	-99	2.9	-0.2	-99	-99	92	-99	1.35	-99	-99	-2	-99	25	75.7	-20	-99	35	21.4	163	-99	-99	0.6	3	-99	14.0	4	37	2.3	2.3	-99	22.4
716	GS-15-059	7741582	-1	8.9	-99	1.0	-0.2	-99	-99	26.5	-99	0.53	-99	-99	4	-99	18	33.7	-20	-99	182	8.02	-2	-99	-99	-0.5	9	-99	6.9	7	62	1.8	0.8	-99	11.5
717	GS-15-061	7741044	3	1.7	-99	0.4	-99	-99	-99	18	6.0	0.19	-99	1365	-2	-99	2.8	16.4	64	549	-1	4.3	77	-99	-99	-99	25.0	-99	3.2	-1	119	-0.5	0.4	-99	2.4
718	GS-15-062	7741045	2	3.9	-99	0.2	-99	-99	-99	29	29.3	0.11	-99	699	-2	-99	7.3	16.4	8	405	3	4.9	40	-99	-99	-99	6.1	-99	2.2	-1	64	0.9	0.2	-99	7.1
719	GS-15-063	7741046	3	6.8	-99	1.3	-99	-99	-99	51	-0.1	0.67	-99	179	2	-99	25.6	45.7	1	30	31	12.6	266	-99	-99	-99	2.2	-99	8.7	2	17	3.5	1.0	-99	23.7
720	GS-15-064	7741047	2	5.0	-99	1.2	-99	-99	-99	4	8.5	0.91	-99	297	18	3.05	36.9	5.1	1	31	44	1.2	345	-99	-99	-0.1	1.9	-5	1.8	3	19	6.9	0.7	-99	23.7
721	GS-15-065	7741048	5	11.9	-99	1.8	-99	-99	-99	81	4.9	0.85	-99	354	-2	1.88	48.7	69.8	3	211	22	19.2	139	-99	-99	0.8	4.6	-5	12.2	7	81	2.1	1.6	-99	15.8
722	GS-15-066	7741049	2	1.6	-99	0.4	-99	-99	-99	7	17.1	0.16	-99	1223	-2	-99	3.5	6.1	57	602	6	1.5	31	-99	-99	-99	24.5	-99	1.2	-1	286	-0.5	0.2	-99	1.7
723	GS-15-067	7741583	-1	15.8	-99	3.4	-0.2	-99	-99	215	-99	1.92	-99	-99	-2	-99	20	144	-20	-99	139	42.8	10	-99	-99	-0.5	17	-99	21.3	10	141	3.7	2.5	-99	43.0
724	GS-15-068	7741051	3	10.9	-99	1.3	-99	-99	-99	34	1.6	0.60	-99	434	-2	-99	19.0	33.5	2	325	6	8.6	96	-99	-99	-99	8.4	-99	6.3	2	96	1.4	1.0	-99	11.3
725	GS-15-069	7741052	4	11.5	-99	1.7	-99	-99	-99	82	7.5	0.83	-99	491	4	-99	20.5	67.0	2	482	6	18.5	136	-99	-99	-99	9.8	-99	12.0	3	100	1.5	1.4	-99	16.6
726	GS-15-070	7741053	5	3.7	-99	1.0	-99	-99	-99	59	28.9	0.28	-99	1111	-2	-99	7.7	69.4	21	6812	14	16.4	46	-99	-99	-99	18.2	-99	11.6	-1	1101	-0.5	1.1	-99	1.0
727	GS-15-071	7741584	-1	10.7	-99	2.3	-0.2	-99	-99	77.7	-99	1.09	-99	-99	-2	-99	17	65.8	-20	-99	1890	17.8	3	-99	-99	-0.5	8	-99	12.0	2	95	1.4	1.8	-99	16.0
728	GS-15-072	7741055	3	11.0	-99	1.5	-99	-99	-99	50	5.0	0.66	-99	462	3	-99	20.7	47.5	2	466	24	12.3	142	-99	-99	-99	8.1	-99	9.2	3	54	1.2	1.2	-99	15.8
729	GS-15-073	7741056	3	10.9	-99	1.4	-99	-99	-99	53	3.3	0.70	-99	361	-2	-99	19.3	48.2	3	620	9	13.0	75	-99	-99	-99	9.4	-99	8.3	2	221	1.1	1.1	-99	15.7
730	GS-15-074	7741057	4	7.6	-99	1.7	-99	-99	-99	100	0.3	0.77	-99	135	-2	-99	23.2	77.6	-1	32	15	21.9	176	-99	-99	-99	3.3	-99	12.8	2	22	1.7	1.5	-99	22.0
731	GS-15-075	7741058	4	10.9	-99	2.2	-99	-99	-99	59	1.3	0.93	-99	1240	4	5.06	20.5	55.8	2	664	74	15.2	22	-99	-99	0.3	18.9	-5	10.3	2	99	1.2	1.6	-99	16.4
732	GS-15-076	7741059	4	9.8	-99	1.5	-99	-99	-99	67	2.1	0.70	-99	555	-2	-99	18.3	58.1	2	527	34	15.7	114	-99	-99	-99	10.1	-99	9.5	3	109	0.9	1.2	-99	15.1
733	GS-15-077	7741061	6	13.2	-99	3.5	-99	-99	-99	120	1.5	1.57	-99	398	3	-99	30.6	107.4	2	62	138	28.7	223	-99	-99	-99	2.3	-99	20.1	5	21	2.0	2.9	-99	20.3
734	GS-15-078	7741062	3	10.9	-99	1.6	-99	-99	-99	50	-0.1	0.89	-99	841	3	3.07	21.6	47.5	3	421	24	12.7	102	-99	-99	0.3	9.4	-5	8.5	3	115	1.2	1.2	-99	14.0
735	GS-15-079	7741585	1	4.7	-99	0.8	-0.2	-99	-99	58.4	-99	0.44	-99	-99	-2	-99	10	37.2	-20	-99	50	11.4	218	-99	-99	-0.5	7	-99	6.1	2	309	0.9	0.7	-99	12.9
736	GS-15-080	7741586	-1	7.7	-99	1.6	-0.2	-99	-99	93.6	-99	0.67	-99	-99	-2	-99	15	71.3	-20	-99	278	20	175	-99	-99	-0.5	4	-99	12.3	2	43	1.8	1.7	-99	22.1
737	GS-15-082	7741063	4	10.9	-99	1.4	-99	-99	-99	69	3.4	0.64	-99	316	-2	-99	19.6	56.1	3	177	19	15.2	145	-99	-99	-99	5.7	-99	9.4	3	76	1.0	1.2	-99	16.3
738	GS-15-083	7741064	4	9.1	-99	1.5	-99	-99	-99	73	16.5	0.61	-99	346	-2	-99	15.0	69.4	3	295	15	18.9	129	-99	-99	-99	6.1	-99	11.9	2	234	0.6	1.4	-99	9.4
739	GS-15-084	7741065	5	12.3	-99	1.5	-99	-99	-99	91	2.6	0.67	-99	493	-2	-99	20.8	72.5	2	239	20	19.8	140	-99	-99	-99	7.7	-99	11.6	2	82	0.7	1.3	-99	15.8
740	GS-15-085	7741066	5	11.0	-99	1.6	-99	-99	-99	83	3.4	0.83	-99	382	-2	-99	22.2	68.9	2	214	24	18.7	167	-99	-99	-99	6.8	-99	11.3	3	59	1.2	1.3	-99	19.6
741	GS-15-086	7741067	5	6.7	-99	1.1	-99	-99	-99	84	21.1	0.42	-99	970	-2	-99	14.3	78.6	18	4665	2	20.2	73	-99	-99	-99	16.5	-99	12.8	2	852	-0.5	1.2	-99	2.7

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10						100, 10000	3					5000															200
Lower Detection Limit				0.1			0.1,				0.1,	0.04				0.01,			1 to		0.5 to	0.05,	0.2		0.001,	0.1 to		0.1		0.01		0.1 to	0.1,	0.1,	0.1 to
			0.1, 1	to 1	1	0.1	0.2	5, 50	0.01	0.5, 1	0.5	to 0.2	0.01	1	0.1 to 5	0.05	0.1, 1	0.1, 5	50	1	5	0.1	to 30	0.001	0.01	0.5	0.1, 1	to 5	0.1	to 100	0.2, 1	1	0.5	10	0.5
742	GS-15-087	7741068	2	3.9	-99	0.7	-99	-99	-99	37	2.9	0.46	-99	119	3	-99	15.6	24.2	2	112	24	7.3	152	-99	-99	-99	3.3	-99	4.3	-1	107	0.7	0.5	-99	19.2
743	GS-15-088	7741587	1	11.3	-99	2.0	-0.2	-99	-99	67.1	-99	0.91	-99	-99	3	-99	16	62.5	-20	-99	113	16.4	56	-99	-99	-0.5	12	-99	12.0	3	141	1.4	1.7	-99	12.3
744	GS-15-089	7741588	1	10.5	-99	1.4	-0.2	-99	-99	68.6	-99	0.64	-99	-99	-2	-99	18	54.3	-20	-99	578	15	13	-99	-99	-0.5	10	-99	9.5	3	204	1.2	1.1	-99	11.9
745	GS-15-090	7741069	4	11.9	-99	2.0	-99	-99	-99	59	-0.1	0.90	-99	573	-2	-99	21.2	60.4	3	720	14	15.5	129	-99	-99	-99	12.9	-99	11.4	4	180	0.9	1.6	-99	14.1
746	GS-15-091	7741071	4	12.2	-99	2.0	-99	-99	-99	82	-0.1	0.92	-99	305	-2	-99	26.1	75.4	3	237	20	20.2	216	-99	-99	-99	6.6	-99	12.9	3	93	1.0	1.7	-99	16.4
747	GS-15-092	7741072	3	8.9	-99	1.3	-99	-99	-99	49	2.0	0.65	-99	159	2	-99	20.1	46.0	2	72	20	12.4	123	-99	-99	-99	3.9	-99	8.2	3	68	1.0	1.1	-99	18.3
748	GS-15-093	7741073	4	7.2	-99	1.2	-99	-99	-99	77	-0.1	0.60	-99	239	-2	-99	16.9	60.7	2	82	23	17.3	151	-99	-99	-99	3.7	-99	9.7	2	40	0.7	1.1	-99	16.5
749	GS-15-094	7741074	4	10.0	-99	2.8	-99	-99	-99	62	-0.1	1.45	-99	288	4	-99	29.8	57.3	4	85	31	16.2	46	-99	-99	-99	2.7	-99	12.3	6	121	2.9	2.0	-99	25.6
750	GS-15-095	7741075	4	13.3	-99	1.6	-99	-99	-99	83	3.1	0.79	-99	379	-2	-99	22.6	66.8	3	263	30	18.4	190	-99	-99	-99	7.5	-99	10.6	3	77	1.0	1.4	-99	17.3
751	GS-15-096	7741076	5	12.5	-99	1.5	-99	-99	-99	71	11.8	0.78	-99	436	-2	-99	24.1	59.1	3	258	23	16.6	159	-99	-99	-99	7.3	-99	9.9	3	87	1.1	1.3	-99	18.5
752	GS-15-097	7741077	5	14.1	-99	2.3	-99	-99	-99	92	-0.1	1.34	-99	428	-2	-99	28.7	80.8	2	108	17	22.0	117	-99	-99	-99	4.9	-99	14.1	3	81	1.2	2.0	-99	20.1
753	GS-15-098	7741078	4	14.5	-99	1.6	-99	-99	-99	93	-0.1	0.82	-99	196	-2	-99	27.4	74.1	3	284	-1	20.6	306	-99	-99	-99	4.0	-99	12.2	3	210	1.4	1.5	-99	20.7
754	GS-15-099	7741079	3	10.7	-99	1.2	-99	-99	-99	71	-0.1	0.61	-99	361	3	-99	22.3	57.1	3	299	40	15.9	88	-99	-99	-99	7.1	-99	8.9	4	79	2.4	1.1	-99	14.7
755	GS-15-100	7741081	4	10.7	-99	1.4	-99	-99	-99	75	5.7	0.71	-99	476	4	-99	20.7	60.5	3	381	35	16.9	157	-99	-99	-99	8.1	-99	10.2	3	95	2.2	1.2	-99	15.2
756	GS-15-101	7741082	4	9.9	-99	1.4	-99	-99	-99	65	0.8	0.66	-99	600	3	-99	20.5	53.4	2	424	32	15.3	103	-99	-99	-99	8.0	-99	9.2	3	98	2.1	1.2	-99	15.2
757	GS-15-102	7741083	2	10.0	-99	1.1	-99	-99	-99	44	-0.1	0.55	-99	382	-2	-99	20.1	35.6	2	234	42	9.7	161	-99	-99	-99	6.0	-99	6.2	3	76	2.0	0.9	-99	13.0
758	GS-15-103	7741084	4	10.3	-99	1.5	-99	-99	-99	73	9.3	0.63	-99	440	2	-99	20.8	58.7	2	483	12	16.5	154	-99	-99	-99	9.1	-99	10.2	3	101	2.0	1.3	-99	14.6
759	GS-15-104	7741085	3	9.7	-99	1.2	-99	-99	-99	56	4.2	0.62	-99	418	4	-99	19.1	48.1	2	504	37	12.7	146	-99	-99	-99	8.2	-99	8.3	3	75	1.9	1.0	-99	14.2
760	GS-15-105	7741086	4	9.0	-99	1.3	-99	-99	-99	48	0.5	0.64	-99	494	-2	-99	18.2	41.5	2	514	18	11.4	110	-99	-99	-99	8.9	-99	7.4	3	114	1.7	1.0	-99	13.9
761	GS-15-106	7741087	2	3.5	-99	0.8	-99	-99	-99	18	8.3	0.58	-99	339	3	-99	19.5	15.0	2	42	25	4.2	248	-99	-99	-99	2.0	-99	3.3	3	30	2.8	0.6	-99	20.1
762	GS-15-107	7741088	4	9.7	-99	1.4	-99	-99	-99	68	1.4	0.71	-99	487	-2	-99	19.5	57.0	3	504	23	15.4	124	-99	-99	-99	9.5	-99	9.5	3	138	1.8	1.2	-99	14.0
763	GS-15-108	7741089	3	8.8	-99	1.2	-99	-99	-99	56	2.2	0.53	-99	312	2	-99	20.4	45.5	2	225	42	12.9	132	-99	-99	-99	5.5	-99	7.9	3	61	1.8	1.0	-99	15.7
764	GS-15-109	7741091	3	10.6	-99	1.4	-99	-99	-99	65	5.1	0.63	-99	411	3	-99	19.9	52.5	3	322	18	15.0	139	-99	-99	-99	7.6	-99	8.7	3	95	1.8	1.1	-99	15.0
765	GS-15-111	7741092	3	9.6	-99	1.4	-99	-99	-99	77	1.1	0.65	-99	299	3	-99	20.2	57.7	2	302	12	16.2	43	-99	-99	-99	7.0	-99	9.4	3	58	1.8	1.2	-99	15.3
766	GS-15-112	7741093	3	8.4	-99	1.1	-99	-99	-99	55	0.2	0.53	-99	118	-2	-99	17.8	42.0	2	150	38	11.9	310	-99	-99	-99	3.2	-99	7.0	3	47	1.8	0.9	-99	14.8
767	GS-15-114	7741094	3	10.8	-99	1.1	-99	-99	-99	54	0.2	0.52	-99	296	-2	-99	18.4	45.4	2	292	43	12.4	250	-99	-99	-99	5.4	-99	7.7	3	36	1.8	1.1	-99	13.6
768	GS-15-115	7741095	3	6.7	-99	1.7	-99	-99	-99	51	1.4	0.76	-99	458	-2	-99	18.4	48.3	2	14	40	13.0	91	-99	-99	-99	1.9	-99	9.6	2	24	2.4	1.4	-99	12.4
769	GS-15-117	7741096	8	20.3	-99	3.6	-99	-99	-99	163	6.4	1.76	-99	960	-2	-99	46.8	148.9	5	236	49	40.5	239	-99	-99	-99	4.9	-99	26.1	7	110	3.5	3.2	-99	27.3
770	GS-15-118	7741097	3	10.8	-99	1.5	-99	-99	-99	70	1.4	0.66	-99	1900	-2	-99	19.7	61.0	2	280	39	16.7	196	-99	-99	-99	7.0	-99	10.4	3	36	1.5	1.2	-99	15.9
771	GS-15-119	7741589	1	17.2	-99	2.5	-0.2	-99	-99	130	-99	1.09	-99	-99	-2	-99	30	103	-20	-99	615	28.1	-2	-99	-99	0.7	8	-99	19.0	4	62	2.2	2.4	-99	25.5
772	GS-15-121	7741591	1	13.7	-99	7.4	0.3	-99	-99	143	-99	2.57	-99	-99	-2	-99	43	117	-20	-99	101	32.7	51	-99	-99	0.8	3	-99	25.3	15	581	4.8	5.4	-99	49.3
773	GS-15-122	7741592	-1	13.8	-99	1.9	-0.2	-99	-99	108	-99	0.87	-99	-99	-2	-99	30	85.9	-20	-99	234	23.6	136	-99	-99	1.7	6	-99	13.6	4	194	1.8	1.6	-99	20.5
774	GS-15-123	7741099	2	5.2	-99	0.8	-99	-99	-99	33	2.5	0.42	-99	144	-2	-99	14.1	26.4	2	104	8	7.8	70	-99	-99	-99	2.8	-99	5.0	2	157	1.7	0.7	-99	21.3
775	GS-15-124	7741101	6	9.5	-99	1.3	-99	-99	-99	92	4.9	0.54	-99	702	3	-99	18.0	76.6	8	1169	6	21.3	70	-99	-99	-99	16.3	-99	12.7	2	231	0.8	1.2	-99	10.2
776	GS-15-126	7741102	5	12.2	-99	1.2	-99	-99	-99	98	0.5	0.57	-99	243	-2	-99	13.0	81.8	3	133	5	22.5	117	-99	-99	-99	5.6	-99	12.1	1	95	-0.5	1.1	-99	11.0
777	GS-15-128	7741103	4	6.8	-99	1.1	-99	-99	-99	43	100.8	0.40	-99	914	-2	-99	13.0	41.6	22	1052	32	11.1	29	-99	-99	-99	23.5	-99	7.8	2	206	0.5	1.0	-99	7.5
778	GS-15-129	7741104	5	7.5	-99	1.4	-99	-99	-99	50	41.3	0.47	-99	772	-2	-99	17.8	47.1	20	2407	39	12.2	8	-99	-99	-99	21.8	-99	9.3	2	265	0.6	1.3	-99	9.1
779	GS-15-130	7741105	5	2.2	-99	0.4	-99	-99	-99	28	81.9	0.13	-99	894	-2	-99	2.4	30.5	35	1298	13	7.6	59	-99	-99	-99	21.4	-99	5.0	-1	1075	-0.5	0.4	-99	1.8
780	GS-15-131	7741106	4	11.8	-99	2.5	-99	-99	-99	98	-0.1	1.09	-99	586	-2	-99	27.0	77.6	4	10	18	22.3	130	-99	-99	-99	4.8	-99	13.1	4	135	1.5	1.9	-99	25.2
781	GS-15-132	7741107	7	21.0	-99	4.4	-99	-99	-99	141	0.7	2.00	-99	225	-2	-99	41.8	118.4	1	41	14	32.8	223	-99	-99	-99	1.7	-99	23.2	6	56	2.6	3.5	-99	41.5
782	GS-15-133	7741108	5	13.8	-99	1.9	-99	-99	-99	72	30.9	0.87	-99	754	3	-99	20.0	63.4	3	963	20	17.2	145	-99	-99	-99	10.2	-99	12.0	3	117	0.7	1.5	-99	14.8
783	GS-15-135	7741109	2	7.3	-99	1.4	-99	-99	-99	24	-0.1	0.72	-99	127	-2	-99	19.3	19.8	-1	13	32	5.6	120	-99	-99	-99	0.6	-99	4.4	10	59	1.6	0.9	-99	12.3
784	GS-15-136	7741111	4	8.5	-99	1.8	-99	-99	-99	70	1.5	0.82	-99	679	-2	-99	23.8	64.5	11	141	4	16.9	36	-99	-99	-99	5.6	-99	12.2	4	83	1.6	1.5	-99	18.7
785	GS-15-138	7741112	6	17.8	-99	2.9	-99	-99	-99	128	2.6	1.40	-99	526	2	-99	27.7	104.6	1	47	21	29.2	171	-99	-99	-99	2.5	-99	18.2	4	19	1.4	2.4	-99	26.4
786	GS-15-139	7741113	2	5.3	-99	1.6	-99	-99	-99	34	0.5	0.82	-99	167	-2	-99	17.3	34.1	2	61	12	9.0	79	-99	-99	-99	2.2	-99	7.5	2	32	1.3	1.2	-99	24.3
787	GS-15-141	7741593	-99	10	-1	-99	-99	-5	-99	52.9	-99	-0.05	-99	-99	-2	-99	-99	63	27	-99	268	-99	-20	-99	0.008	1.1	18.6	-3	-0.1	-99	310	-1	-0.5	-99	7.3
788	GS-15-142	7741594	1	8.6	-99	1.2	-0.2	-99	-99	55.3	-99	0.49	-99	-99	-2	-99	13	48.6	20	-99	607	12.6	-2	-99	-99	1.0	19	-99	9.1	2	550	0.9	1.2	-99	9.4
789	GS-15-143	7741114	3	1.8	-99	0.7	-99	-99	-99	9	46.3	0.30	-99	1507	-2	-99	1.1	12.6	74	777	20	2.8	40	-99	-99	-99	28.4	-99	2.6	-1	438	-0.5	0.6	-99	0.4
790	GS-15-144	7741115	5	14.0	-99	1.8	-99	-99	-99	68	34.4	0.87	-99	757	3	-99	19.1	61.2	4	1017	18	16.9	127	-99	-99	-99	11.6	-99	11.2	3	155	-0.5	1.5	-99	12.9
791	GS-15-145	7741595	-1	8.1	-99	1.3	-0.2	-99	-99	54.2	-99	0.53	-99	-99	-2	-99	14	49.9	30	-99	240	13.2	24	-99	-99	0.8	20	-99	9.5	1	497	0.9	1.2	-99	9.2
792	GS-15-147	7741116	2	6.1	-99	0.8	-99	-99	-99	41	61.1	0.30	-99	517	-2	-99	10.6	35.3	12	796	20	9.5	189	-99	-99	-99	10.8	-99	6.4	2	141	-0.5	0.7	-99	10.6
793	GS-15-148	7741117	4	6.5	-99	0.9	-99	-99	-99	47	24.5	0.38	-99	927	-2	-99	16.2	42.2	19	1610	94	11.1	8	-99	-99	-99	19.3	-99	7.6	2	330	-0.5	0.9	-99	7.8
794	GS-15-149	7741118	3	3.1	-99	0.6	-99	-99	-99	20	25.1	0.19	-99	550	-2	-99	5.3	19.0	34	1906	36	5.2	86	-99	-99	-99	18.9	-99	4.0	2	519	-0.5	0.5	-99	5.0
795	GS-15-150	7741119	3	2.2	-99	0.5	-99	-99	-99	16	56.2	0.21	-99	1068	-2	-99	3.4	16.0	183	1569	39	4.2	109	-99	-99	-99	23.0	-99	3.5	1	542	-0.5	0.5	-99	3.7
796	GS-15-151	7741121	3	8.0	-99	1.2	-99	-99	-99	54	1.3	0.70	-99	324	-2	-99	11.4	43.1	2	164	16	12.1	43	-99	-99	-99	3.0	-99	7.2	2	47	-0.5	0.8	-99	16.9
797	GS-15-152	7741122	4	8.3	-99	1.9	-99	-99	-99	92	0.4	0.91	-99	321	-2	-99	24.9	67.5	2	158	18	20.0	233	-99	-99	-99	2.5	-99	11.7	4	15	1.1	1.7	-99	24.6
798	GS-15-153	7741123	3	7.1	-99	1.4	-99	-99	-99	86	0.6	0.80	-99	280	2	-99	28.2	63.7	2	150	12	18.4	221	-99	-99	-99	2.1	-99	10.3	7	11	3.1	1.2	-99	23.6

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ge	Hf	Hg	Ho	In	Ir	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th
Unit			ppm	ppm	ppm	ppm	ppm	ppb	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit									5, 10						100, 10000	3					5000															200
Lower Detection Limit				0.1			0.1,				0.1,	0.04				0.01,			1 to		0.5 to	0.05,	0.2		0.001,	0.1 to		0.1		0.01		0.1 to	0.1,	0.1,	0.1 to
			0.1, 1	to 1	1	0.1	0.2	5, 50	0.01	0.5, 1	0.5	to 0.2	0.01	1	0.1 to 5	0.05	0.1, 1	0.1, 5	50	1	5	0.1	to 30	0.001	0.01	0.5	0.1, 1	to 5	0.1	to 100	0.2, 1	1	0.5	10	0.5
799	GS-15-154	7741124	5	2.4	-99	1.3	-99	-99	-99	23	115.0	0.52	-99	3689	-2	-99	7.5	24.4	26	4021	24	5.6	226	-99	-99	-99	40.3	-99	5.7	1	333	1.1	1.1	-99	1.8
800	GS-15-155	7741125	4	8.5	-99	1.6	-99	-99	-99	82	3.8	0.96	-99	476	-2	-99	27.4	61.5	8	217	19	17.9	106	-99	-99	-99	5.6	-99	10.3	6	14	2.8	1.2	-99	23.5
801	GS-15-156	7741596	-99	9	-1	-99	-99	-5	-99	85.8	-99	-0.05	-99	-99	-2	-99	-99	65	2	-99	208	-99	-20	-99	0.17	0.8	3.6	-3	1.7	-99	35	-1	-0.5	-99	19.3
802	GS-15-158	7741597	-99	4	-1	-99	-99	-5	-99	28.9	-99	-0.05	-99	-99	-2	-99	-99	158	53	-99	791	-99	-20	-99	0.013	3.9	25.1	-3	-0.1	-99	103	-1	-0.5	-99	-0.5
803	GS-15-159	7741598	-99	5	-1	-99	-99	-5	-99	20.2	-99	-0.05	-99	-99	-2	-99	-99	14	17	-99	104	-99	-20	-99	0.03	2.5	8.0	-3	2.8	-99	144	-1	-0.5	-99	5.0
804	GS-15-160	7741599	-99	5	-1	-99	-99	-5	-99	27.5	-99	-0.05	-99	-99	-2	-99	-99	189	74	-99	891	-99	-20	-99	0.173	4.0	29.6	-3	-0.1	-99	312	-1	-0.5	-99	-0.5
805	GS-15-161	7741601	-99	9	-1	-99	-99	-5	-99	50.3	-99	-0.05	-99	-99	548	-99	-99	215	17	-99	2560	-99	-20	-99	0.095	3.9	7.2	-3	-0.1	-99	180	-1	-0.5	-99	9.5
806	GS-15-162	7741602	-99	5	-1	-99	-99	-5	-99	27	-99	0.42	-99	-99	5	-99	-99	20	3	-99	16	-99	-20	-99	0.018	1.2	3.0	-3	4.1	-99	62	-1	-0.5	-99	8.5
807	GS-15-163	7741126	3	1.9	-99	0.5	-99	-99	-99	21	29.7	0.25	-99	1836	-2	-99	8.6	23.5	175	1409	-1	6.1	141	-99	-99	-99	30.7	-99	4.0	-1	287	0.8	0.4	-99	0.8
808	GS-15-164	7741127	2	0.6	-99	0.5	-99	-99	-99	3	12.6	0.13	-99	2234	-2	-99	1.5	4.7	26	106	-1	1.0	48	-99	-99	-99	19.9	-99	1.8	-1	237	-0.5	0.4	-99	-0.1
809	GS-15-165	7741128	6	5.7	-99	0.7	-99	-99	-99	103	7.4	0.19	-99	1053	-2	-99	11.7	98.7	159	4477	9	26.1	65	-99	-99	-99	21.9	-99	14.2	1	306	0.8	1.0	-99	8.2
810	GS-15-166	7741603	-99	8	-1	-99	-99	-5	-99	64.2	-99	-0.05	-99	-99	-2	-99	-99	82	71	-99	209	-99	-20	-99	0.005	7.1	17.9	-3	-0.1	-99	246	-1	-0.5	-99	1.6
811	GS-15-167	7741129	6	5.9	-99	1.0	-99	-99	-99	49	13.1	0.41	-99	889	-2	3.24	14.2	42.3	7	1597	28	11.3	122	-99	-99	2.0	12.9	-5	7.5	3	332	1.3	0.9	-99	10.8
812	GS-15-168	7741131	1	6.3	-99	0.2	-99	-99	-99	4	-0.1	0.17	-99	36	-2	2.66	11.7	4.1	2	146	15	1.0	156	-99	-99	0.5	6.5	-5	0.9	1	116	0.9	0.2	-99	8.5
813	GS-15-169	7741132	7	6.2	-99	1.7	-99	-99	-99	31	27.1	0.63	-99	1455	-2	-99	8.8	38.2	38	2101	4	8.9	63	-99	-99	-99	34.6	-99	8.3	2	191	1.0	1.3	-99	2.8
814	GS-15-170	7741133	2	6.4	-99	0.8	-99	-99	-99	45	12.0	0.41	-99	295	2	-99	14.8	34.7	3	281	8	10.0	162	-99	-99	-99	5.4	-99	6.0	2	183	1.3	0.7	-99	13.5
815	GS-15-171	7741134	2	1.8	-99	0.4	-99	-99	-99	12	55.3	0.20	-99	1037	-2	-99	3.0	13.5	95	862	-1	3.2	63	-99	-99	-99	31.7	-99	2.8	-1	408	-0.5	0.4	-99	1.5
816	GS-15-172	7741135	5	2.0	-99	0.7	-99	-99	-99	19	17.7	0.24	-99	1090	-2	-99	5.4	21.6	79	1202	1	5.1	111	-99	-99	-99	32.8	-99	4.5	2	530	-0.5	0.6	-99	3.2
817	GS-15-173	7741136	4	11.6	-99	1.7	-99	-99	-99	61	38.7	0.85	-99	190	-2	-99	15.6	53.2	2	161	19	14.9	240	-99	-99	-99	6.5	-99	10.2	5	91	1.7	1.4	-99	18.5
818	GS-15-174	7741604	1	24.6	-99	2.0	0.7	-99	-99	55.7	-99	1.45	-99	-99	36	-99	23	54.3	-20	-99	328	15.1	445	-99	-99	-0.5	2	-99	10.9	22	69	2.2	1.3	-99	24.1
819	GS-15-175	7741605	1	22.4	-99	1.5	-0.2	-99	-99	18.6	-99	1.18	-99	-99	-2	-99	28	17.9	-20	-99	55	4.6	244	-99	-99	-0.5	-1	-99	4.4	9	75	2.9	0.8	-99	25.8
820	GS-15-176	7741606	1	21.1	-99	3.0	-0.2	-99	-99	42.3	-99	1.7	-99	-99	-2	-99	23	47.3	-20	-99	42	11.9	288	-99	-99	-0.5	1	-99	11.0	6	46	2.1	2	-99	27.9
821	GS-15-177	7741137	3	27.4	-99	3.6	-99	-99	-99	48	22.9	1.93	-99	567	12	-99	39.2	55.5	2	181	272	14.1	565	-99	-99	-99	1.9	-99	14.4	6	82	3.5	2.5	-99	29.9
822	GS-15-178	7741138	4	17.6	-99	2.2	-99	-99	-99	47	4.7	1.23	-99	357	-2	1.60	28.6	47.8	1	39	26	12.6	116	-99	-99	0.5	1.3	-5	9.9	5	33	2.3	1.7	-99	18.8
823	GS-15-180	7741607	-99	8	-1	-99	-99	-5	-99	35.2	-99	-0.05	-99	-99	-2	-99	-99	40	2	-99	128	-99	130	-99	0.007	1.5	1.6	-3	-0.1	-99	53	-1	-0.5	-99	8.8
824	GS-15-181	7741608	-1	19.7	-99	3.0	-0.2	-99	-99	54.1	-99	1.68	-99	-99	-2	-99	27	59.4	-20	-99	275	15.3	101	-99	-99	1.5	4	-99	14.6	9	48	2.5	2.2	-99	25.1
825	GS-15-182	7741609	1	8.1	-99	3.3	0.9	-99	-99	58.5	-99	1.17	-99	-99	7	-99	43	64.5	30	-99	353	16.4	319	-99	-99	1.8	16	-99	16.9	13	222	0.6	2.8	-99	9.7
826	GS-15-183	7741139	2	7.9	-99	0.8	-99	-99	-99	23	0.3	0.54	-99	154	-2	-99	14.4	24.2	3	50	11	6.3	100	-99	-99	-99	3.0	-99	4.7	2	28	0.9	0.7	-99	9.9
827	GS-15-184	7741141	2	5.2	-99	0.6	-99	-99	-99	12	-0.1	0.37	-99	340	-2	-99	11.5	14.5	2	51	5	3.6	54	-99	-99	-99	1.2	-99	2.8	2	39	0.7	0.4	-99	9.0
828	GS-15-186	7741611	-99	7	-1	-99	-99	-5	-99	51	-99	-0.05	-99	-99	4	-99	-99	68	2	-99	408	-99	130	-99	0.514	1.2	8.3	-3	-0.1	-99	58	-1	-0.5	-99	8.7
829	GS-15-188	7741612	2	25.6	-99	5.4	0.4	-99	-99	114	-99	2.73	-99	-99	-2	-99	36	113	-20	-99	403	29.5	229	-99	-99	1.0	10	-99	23.6	9	229	2.4	4.1	-99	30.2
830	GS-15-190	7741142	4	11.5	-99	1.0	-99	-99	-99	79	7.1	0.64	-99	374	3	-99	30.6	51.1	2	154	27	16.0	253	-99	-99	-99	2.6	-99	7.7	7	76	2.1	0.9	-99	49.8
831	GS-15-191	7741143	3	5.4	-99	0.6	-99	-99	-99	39	2.8	0.33	-99	347	-2	-99	13.3	27.7	2	102	20	8.1	116	-99	-99	-99	2.7	-99	4.5	3	132	1.0	0.5	-99	17.7
832	GS-15-192	7741613	2	4.8	-99	0.8	-0.2	-99	-99	28.6	-99	0.4	-99	-99	-2	-99	7	26	-20	-99	532	6.84	19	-99	-99	0.6	10	-99	5.0	2	60	0.3	0.7	-99	8.5
833	GS-15-193	7741614	-1	21	-99	1.6	-0.2	-99	-99	88.3	-99	0.72	-99	-99	-2	-99	22	72.9	-20	-99	153	19.3	-2	-99	-99	0.5	6	-99	11.7	-1	43	1	1.4	-99	7.1
834	GS-15-195	7741615	-99	-0.5	-1	-99	-99	-5	-99	41.7	-99	-0.05	-99	-99	2	-99	-99	52	42	-99	463	-99	-20	-99	0.035	4.1	16.4	-3	-0.1	-99	170	-1	-0.5	-99	3.9
835	GS-15-196	7741144	5	3.3	-99	0.5	-99	-99	-99	39	57.2	0.17	-99	726	-2	-99	8.8	31.1	27	840	15	8.6	47	-99	-99	-99	18.9	-99	4.8	-1	141	-0.5	0.5	-99	6.6
836	GS-15-197	7741145	4	7.3	-99	1.7	-99	-99	-99	65	3.7	0.82	-99	215	-2	-99	19.5	56.9	1	41	4	15.6	106	-99	-99	-99	3.8	-99	10.8	5	23	1.7	1.4	-99	26.1
837	GS-15-198	7741146	5	13.3	-99	1.2	-99	-99	-99	97	1.1	0.72	-99	311	-2	-99	27.7	80.8	4	266	6	21.9	5	-99	-99	-99	5.4	-99	12.4	4	77	1.7	1.2	-99	16.2
838	GS-15-199	7741147	9	8.3	-99	1.1	-99	-99	-99	37	14.4	0.14	-99	1644	-2	-0.05	41.6	56.5	462	2212	-1	12.6	18	-99	-99	0.3	18.2	-5	12.7	3	115	2.3	1.5	-99	3.1
839	GS-15-200	7741148	9	8.2	-99	1.0	-99	-99	-99	38	17.8	0.15	-99	1578	-2	0.06	42.3	55.7	449	2171	-1	12.3	23	-99	-99	-0.1	19.1	-5	12.3	4	198	2.7	1.4	-99	3.1
840	GS-15-201	7741149	2	-0.2	-99	-0.1	-99	-99	-99	1	6.1	-0.05	-99	1596	-2	-0.05	1.6	1.4	25	55	-1	0.2	10	-99	-99	-0.1	2.3	-5	0.4	-1	168	-0.5	-0.1	-99	-0.1
841	GS-15-202	7741151	2	3.9	-99	0.5	-99	-99	-99	25	7.0	0.25	-99	399	-2	2.87	5.5	21.1	6	264	2	5.9	5	-99	-99	0.5	3.8	-5	3.6	1	191	-0.5	0.4	-99	5.9
842	GS-15-203	7741616	-99	-0.5	-1	-99	-99	-5	-99	3.1	-99	-0.05	-99	-99	-2	-99	-99	10	118	-99	76	-99	-20	-99	0.159	1.1	36.7	-3	-0.1	-99	248	-1	-0.5	-99	-0.5
843	GS-15-204	7741152	4	1.1	-99	0.4	-99	-99	-99	10	19.2	0.16	-99	1009	-2	-99	1.9	11.5	22	600	4	2.6	98	-99	-99	-99	33.7	-99	2.4	-1	153	-0.5	0.3	-99	1.3
844	MG-15-011	7741617	-99	-0.5	-1	-99	-99	-5	-99	3.5	-99	0.21	-99	-99	-2	-99	-99	-5	119	-99	-5	-99	-20	-99	0.279	-0.2	38.3	-3	1.2	-99	141	-1	-0.5	-99	-0.5
845	MG-15-015	7741618	-99	-0.5	-1	-99	-99	-5	-99	2.3	-99	0.07	-99	-99	-2	-99	-99	-5	84	-99	14	-99	-20	-99	0.033	1.8	30.8	-3	0.8	-99	270	-1	-0.5	-99	-0.5
846	MG-15-018	7741619	-99	2	-1	-99	-99	-5	-99	6.1	-99	0.08	-99	-99	-2	-99	-99	-5	70	-99	9	-99	-20	-99	0.103	0.2	26.0	-3	2.2	-99	131	-1	-0.5	-99	-0.5
847	MG-15-019	7741621	-99	2	-1	-99	-99	-5	-99	6.8	-99	0.21	-99	-99	-2	-99	-99	-5	84	-99	-5	-99	-20	-99	0.089	1.3	28.8	-3	2.0	-99	228	-1	-0.5	-99	-0.5
848	MG-15-020	7741622	-99	-0.5	-1	-99	-99	-5	-99	4.2	-99	0.08	-99	-99	-2	-99	-99	-5	83	-99	20	-99	-20	-99	0.005	3.8	34.2	-3	1.5	-99	264	-1	-0.5	-99	-0.5
849	MG-15-023	7741623	-99	-0.5	-1	-99	-99	-5	-99	2.5	-99	-0.05	-99	-99	6	-99	-99	-5	66	-99	15	-99	-20	-99	1.57	2.9	34.7	-3	0.2	-99	165	-1	-0.5	-99	-0.5
850	MG-15-025	7741624	-99	-0.5	-1	-99	-99	-5	-99	10.7	-99	-0.05	-99	-99	6	-99	-99	98	62	-99	693	-99	-20	-99	0.385	7.4	35.2	-3	-0.1	-99	196	-1	-0.5	-99	-0.5
851	MG-15-027	7741625	-99	-0.5	-1	-99	-99	-5	-99	3.4	-99	-0.05	-99	-99	-2	-99	-99	-5	66	-99	302	-99	-20	-99	0.183	3.4	36.7	-3	-0.1	-99	220	-1	-0.5	-99	-0.5
852	MG-15-028	7741626	-99	-0.5	-1	-99	-99	-5	-99	3.8	-99	0.09	-99	-99	-2	-99	-99	-5	93	-99	13	-99	-20	-99	3.64	7.1	28.6	-3	1.0	-99	183	-1	-0.5	-99	-0.5
853	MG-15-030	7741627	-99	4	-1	-99	-99	-5	-99	29.9	-99	0.09	-99	-99	40	-99	-99	24	141	-99	15	-99	-20	-99	3.99	6.5	16.3	-3	3.3	-99	195	-1	-0.5	-99	6.6
854	MG-15-032	7741628	-99	-0.5	-1	-99	-99	-5	-99	31.5	-99	-0.05	-99	-99	-2	-99	-99	-5	53	-99	171	-99	-20	-99	0.094	1.9	9.9	-3	-0.1	-99	210	-1	-0.5	-99	7.2

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
1	GS-07-001	7740001	1196	-99	-99	10.0	24	-1	87	8	127	478
2	GS-07-002	7741178	1400	-99	-99	46	32	-1	68	8.2	663	-99
3	GS-07-003	7741179	1600	-99	-99	117	80	-1	92	7.2	1850	-99
4	GS-07-004	7741181	-99	-99	-99	6.3	202	-3	18	1.6	501	71
5	GS-07-005	7741182	1500	-99	-99	20.7	666	-1	58	5.3	497	-99
6	GS-07-006	7741183	1500	-99	-99	234	864	-1	72	5.4	1990	-99
7	GS-07-008	7740158	1325	-99	-99	-99	66	-99	114	-99	67	731
8	GS-07-010	7740002	1688	-99	-99	-99	4	-99	82	-99	180	483
9	GS-07-011	7740159	1680	-99	-99	18.0	22	-1	84	8	171	522
10	GS-07-012	7741184	-99	-99	-99	24.4	72	-3	89	7.6	230	529
11	GS-07-013	7741185	-99	-99	-99	258	61	-3	111	7.5	92	740
12	GS-07-014	7741186	6000	-99	-99	18.8	153	-1	26	2.9	467	-99
13	GS-07-015	7741187	7700	-99	-99	108	225	4	25	2.6	950	-99
14	GS-07-016	7741188	5800	-99	-99	1530	179	-1	56	3.6	2350	-99
15	GS-07-018	7740003	15116	-99	-99	-99	351	-99	43	-99	133	244
16	GS-07-020	7740161	1666	-99	-99	-99	26	-99	82	-99	74	475
17	GS-07-021	7740004	11407	-99	-99	-99	308	-99	21	-99	145	96
18	GS-07-022	7740162	13008	-99	-99	-99	320	-99	29	-99	215	117
19	GS-07-024	7740005	1877	-99	-99	-99	2	-99	83	-99	115	507
20	GS-07-025	7740006	5803	-99	-99	-99	192	-99	18	-99	98	98
21	GS-07-027	7740007	8392	-99	-99	-99	215	-99	35	-99	1732	81
22	GS-07-028	7740008	4189	-99	-99	-99	140	-99	15	-99	142	99
23	GS-07-029	7740069	1858	-99	-99	11.9	1	-1	83	7.6	216	496
24	GS-07-030	7740009	6743	-99	-99	1.7	162	-1	21	3	136	108
25	GS-07-032	7741189	1500	-99	-99	17.4	9	-1	72	7.6	137	-99
26	GS-07-034	7740163	1765	-99	-99	-99	-1	-99	71	-99	169	519
27	GS-07-037	7740071	8224	-99	-99	377	181	-1	32	2.8	917	67
28	GS-07-039	7740072	14729	-99	-99	-0.1	351	-1	44	3.8	798	231
29	GS-07-040	7741191	-99	-99	-99	7210	386	-3	117	9.7	368	490
30	GS-07-041	7741192	-99	-99	-99	27.6	231	-3	30	2.8	728	76
31	GS-07-043	7741193	-99	-99	-99	1540	215	-3	65	4.3	1880	171
32	GS-07-044	7740164	4393	-99	-99	-99	142	-99	15	-99	96	95
33	GS-07-047	7740011	2753	-99	-99	-99	72	-99	11	-99	104	157
34	GS-07-048	7741194	-99	-99	-99	2390	249	-3	14	-0.1	104	211
35	GS-07-050	7741195	-99	-99	-99	2860	-99	-3	-99	-0.1	70	-99
36	GS-07-051	7741196	-99	-99	-99	11.3	102	-3	10	0.7	103	156
37	GS-07-052	7740012	2427	-99	-99	-99	115	-99	11	-99	98	182
38	GS-07-053	7741197	1200	-99	-99	15.4	25	-1	2	0.4	41	-99
39	GS-07-055	7740165	835	-99	-99	152.0	21	-1	7	-2	81	134
40	GS-07-056	7741198	-99	-99	-99	7.2	234	-3	18	2.2	146	77
41	GS-07-057	7741199	1100	-99	-99	601	46	-1	5	-0.2	72	-99
42	GS-07-061	7740166	2751	-99	-99	-99	86	-99	11	-99	91	166
43	GS-07-062	7741201	-99	-99	-99	329	109	-3	10	0.8	81	198
44	GS-07-063	7741202	4100	-99	-99	11.4	76	-1	7	0.6	148	-99
45	GS-07-065	7741203	3100	-99	-99	323	113	-1	9	0.6	73	-99
46	GS-07-066	7741204	3700	-99	-99	2890	333	-1	17	1.2	63	-99
47	GS-07-067	7740167	3253	-99	-99	-99	90	-99	12	-99	84	155
48	GS-07-070	7741205	3300	-99	-99	1600	207	9	29	1.2	72	-99
49	GS-07-071	7741206	-99	-99	-99	300	113	-3	32	2.4	5190	157
50	GS-07-072	7740168	4835	-99	-99	1.6	166	-1	18	-2	119	105
51	GS-07-075	7740169	2710	-99	-99	-99	292	-99	9	-99	316	38
52	GS-07-076	7740171	1246	-99	-99	10.0	24	-1	8	-2	78	148
53	GS-07-077	7740172	372	-0.5	-0.05	6.8	5	-1	3	0.3	23	69
54	GS-07-078	7740173	1481	-0.5	-0.05	5.4	24	-1	4	0.4	61	141
55	GS-07-079	7741207	600	-99	-99	28.6	15	-1	6	-0.2	77	-99
56	GS-07-080	7741208	900	-99	-99	23.2	11	-1	5	0.6	32	-99
57	GS-07-081	7741209	1400	-99	-99	17.1	20	-1	3	0.4	54	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
58	GS-07-087	7741211	1400	-99	-99	255	37	-1	5	0.5	49	-99
59	GS-07-089	7741212	-99	-99	-99	1050	43	10	7	0.6	90	111
60	GS-07-090	7740013	2465	-99	-99	4.8	174	-1	14	-2	145	51
61	GS-07-091	7740014	3909	-99	-99	-99	221	-99	20	-99	227	60
62	GS-07-092	7741213	-99	-99	-99	588	48	-3	10	0.7	32	144
63	GS-07-093	7740174	856	-0.5	-0.05	4.3	29	-1	3	0.3	48	124
64	GS-07-094	7740015	195	-99	-99	28.0	5	-1	10	-2	8	19
65	GS-07-095	7741214	700	-99	-99	71.2	20	-1	2	0.6	23	-99
66	GS-07-096	7741215	8000	-99	-99	2740	114	-1	12	1.3	186	-99
67	GS-07-098	7740016	12439	-99	-99	144.0	269	2	18	2	320	326
68	GS-07-100	7741216	1000	-99	-99	459	19	-1	7	0.5	24	-99
69	GS-07-101	7740017	383	-99	-99	-99	6	-99	3	-99	20	50
70	GS-07-102	7740175	2138	-99	-99	-99	187	-99	15	-99	90	67
71	GS-07-103	7741217	-99	-99	-99	1030	28	-3	8	0.4	77	152
72	GS-07-104	7740018	655	-99	-99	8.5	12	-1	2	-2	23	104
73	GS-07-105	7740019	1884	-99	-99	-99	98	-99	9	-99	112	33
74	GS-07-108	7740176	2048	-99	-99	-99	256	-99	17	-99	492	53
75	GS-07-109	7740021	4038	-99	-99	-99	260	-99	20	-99	200	56
76	GS-07-110	7740177	346	-99	-99	5.2	-1	-1	2	-2	13	54
77	GS-07-112	7741218	-99	-99	-99	344	334	-3	53	3.2	1140	71
78	GS-07-113	7740022	6601	-99	-99	-99	143	-99	25	-99	94	159
79	GS-07-114	7741219	1100	-99	-99	315	41	-1	28	3.1	147	-99
80	GS-07-115	7741221	1500	-99	-99	1290	94	-1	24	1.1	73	-99
81	GS-07-116	7741222	-99	-99	-99	5.9	127	-3	11	0.9	46	112
82	GS-07-117	7741223	-99	-99	-99	601	181	-3	18	1.1	69	157
83	GS-07-118	7740023	4238	-99	-99	-99	88	-99	9	-99	54	146
84	GS-07-120	7740024	10669	-99	-99	-99	256	-99	25	-99	97	81
85	GS-07-121	7741224	-99	-99	-99	4	194	-3	20	1.9	66	110
86	GS-07-122	7741225	3200	-99	-99	149	190	-1	20	1.3	64	-99
87	GS-07-123	7740025	7813	-99	-99	-99	187	-99	29	-99	87	169
88	GS-07-124	7741226	-99	-99	-99	765	381	-3	91	6.7	1590	525
89	GS-07-125	7741227	-99	-99	-99	2210	177	-3	81	6.2	19	569
90	GS-07-126	7741228	-99	-99	-99	1310	57	12	25	2.3	9	225
91	GS-07-128	7741229	2000	-99	-99	154	186	-1	16	1.2	66	-99
92	GS-07-129	7741231	-99	-99	-99	5870	-5	26	56	4.1	36	341
93	GS-07-130	7741232	2700	-99	-99	515	74	5	37	2.4	53	-99
94	GS-07-131	7741233	2000	-99	-99	29.9	72	-1	17	1.5	41	-99
95	GS-07-132	7740026	8454	-0.5	0.30	0.3	371	-1	21	2.0	132	90
96	GS-07-134	7741234	6400	-99	-99	723	319	-1	22	1.9	216	-99
97	GS-07-136	7741235	1400	-99	-99	18.9	9	-1	25	3.8	15	-99
98	GS-07-138	7741236	3200	-99	-99	79.9	49	-1	45	3.6	10	-99
99	GS-07-139	7741237	-99	-99	-99	286	72	13	46	5.2	11	191
100	GS-07-140	7741238	600	-99	-99	16.2	8	-1	11	2.1	23	-99
101	GS-07-141	7741239	-99	-99	-99	2030	187	9	12	-0.1	69	158
102	GS-07-142	7741241	-99	-99	-99	15.4	-99	-3	-99	0.9	-50	-99
103	GS-07-144	7741242	-99	-99	-99	183	-99	-3	-99	1.3	-50	-99
104	GS-07-146	7741243	6800	-99	-99	12.5	324	-1	31	2.9	171	-99
105	GS-07-147	7740073	122	-99	-99	537	-1	-1	3	-2	9	70
106	GS-07-148	7740074	34	-99	-99	6.7	1	-1	9	0.9	3	30
107	GS-07-149	7741244	400	-99	-99	525	7	-1	8	0.8	20	-99
108	GS-07-150	7741245	-99	-99	-99	23.2	-99	-3	-99	-0.1	-50	-99
109	GS-07-151	7740027	3386	-99	-99	-99	9	-99	34	-99	27	1385
110	GS-07-152	7741246	2600	-99	-99	400	61	-1	45	4.8	62	-99
111	GS-07-153	7741247	2700	-99	-99	1560	16	-1	200	10	30	-99
112	GS-07-154	7741248	-99	-99	-99	562	117	11	82	5	223	79
113	GS-07-157	7741249	-99	-99	-99	819	374	13	28	2.4	112	169
114	GS-07-159	7740028	2199	-0.5	0.09	0.2	197	-1	8	0.7	101	18

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
115	GS-07-161	7740029	8156	-0.5	0.38	0.4	353	-1	24	2.4	111	95
116	GS-07-162	7740031	3951	-0.5	0.27	1.4	196	-1	18	1.7	86	100
117	GS-07-163	7740032	4282	-0.5	0.23	1.0	187	-1	13	1.3	59	80
118	GS-07-164	7740033	4126	-0.5	0.19	2.0	144	-1	13	1.2	51	69
119	GS-07-167	7740034	4613	-0.5	0.26	0.2	292	-1	15	1.8	101	39
120	GS-07-170	7740067	4421	-0.5	0.21	1.1	188	2	12	1.3	58	84
121	GS-07-171	7740035	648	-0.5	0.40	68.4	-1	-1	26	2.6	39	244
122	GS-07-172	7740075	3260	-99	-99	2.5	73	-1	9	0.7	102	152
123	GS-07-173	7740076	4608	-99	-99	43.5	136	-1	18	1.2	108	200
124	GS-07-174A	7740036	8711	-99	-99	-99	318	-99	25	-99	216	97
125	GS-07-175	7741251	400	-99	-99	2250	43	-1	8	0.7	3	-99
126	GS-07-176	7740077	194	-99	-99	5.7	6	-1	12	2.2	8	45
127	GS-07-177	7740178	2743	-99	-99	0.7	84	-1	11	-2	106	169
128	GS-07-178	7741252	4000	-99	-99	670	250	-1	8	1	88	-99
129	GS-07-179	7740037	89	-99	-99	-99	32	-99	-1	-99	12	13
130	GS-07-180	7741253	200	-99	-99	1510	263	-1	3	0.5	71	-99
131	GS-07-181	7740179	1167	-99	-99	-99	135	-99	3	-99	88	150
132	GS-07-182	7740038	104	-99	-99	11.0	12	-1	4	-2	13	11
133	GS-07-183	7741254	2300	-99	-99	1550	185	-1	14	0.7	69	-99
134	GS-07-186	7740039	4568	-99	-99	0.3	86	-1	14	-2	111	182
135	GS-07-187	7740041	153	-99	-99	-99	-1	-99	-1	-99	11	6
136	GS-07-188	7740042	16294	-99	-99	-99	224	-99	43	-99	148	226
137	GS-07-190	7741255	-99	-99	-99	12.5	-99	-3	-99	1.1	-50	-99
138	GS-07-193	7740078	504	-99	-99	52.2	2	-1	21	1.5	9	38
139	GS-07-194	7741256	2000	-99	-99	10.4	40	-1	5	-0.2	61	-99
140	GS-07-195	7740079	207	-99	-99	24.6	2	-1	9	0.6	21	59
141	GS-07-196	7741257	5000	-99	-99	2120	144	-1	34	1.1	188	-99
142	GS-07-197	7740043	6877	-0.5	0.26	0.5	324	-1	18	1.7	107	64
143	GS-07-198	7740044	7853	-0.5	0.35	0.3	358	-1	21	2.2	145	88
144	GS-07-199	7740045	8588	-0.5	0.34	0.8	394	-1	22	2.4	100	92
145	GS-07-204	7740046	954	-0.5	0.55	344.6	47	-1	35	3.5	1035	351
146	GS-07-206	7741258	-99	-99	-99	11.6	965	7	8	1	105	39
147	GS-07-212	7741259	-99	-99	-99	2190	114	10	-1	-0.1	29	19
148	GS-07-213	7740047	5654	-0.5	0.32	1.1	198	-1	22	2.2	128	87
149	GS-07-214	7740048	1451	-0.5	1.71	15.2	4	-1	117	11.4	71	609
150	GS-07-215	7740049	5474	-0.5	0.25	2.6	101	-1	18	1.7	133	124
151	GS-07-216	7740051	4099	-0.5	0.35	3.6	88	-1	23	2.5	99	209
152	GS-07-218	7740182	3686	-0.5	0.21	1.0	176	-1	15	1.4	83	68
153	GS-07-220	7740052	7191	-0.5	0.46	3.8	81	-1	34	3.1	193	269
154	GS-07-221	7741261	-99	-99	-99	1640	187	-3	70	4	66	1106
155	GS-07-222	7740183	7668	-0.5	0.28	0.4	196	-1	20	2.0	189	63
156	GS-07-225	7740068	2450	-0.5	0.94	8.6	-1	-1	62	6.4	65	371
157	GS-07-226	7740184	2849	-0.5	1.04	9.4	6	-1	70	7.2	59	504
158	GS-07-227	7741262	-99	-99	-99	1070	776	-3	34	2	366	65
159	GS-07-229	7741263	1600	-99	-99	207	76	-1	52	2.5	54	-99
160	GS-07-230	7740053	473	-0.5	2.46	18.7	7	-1	134	16.3	18	629
161	GS-07-231	7740054	7052	-0.5	0.44	6.6	64	-1	32	2.8	86	131
162	GS-07-232	7740055	2579	-0.5	0.72	5.9	-1	-1	48	4.9	66	506
163	GS-07-233	7740185	5314	-0.5	0.24	1.5	241	-1	17	1.7	102	79
164	GS-07-234	7740056	2552	-0.5	0.73	6.3	-1	-1	47	5.0	70	510
165	GS-07-235	7740057	2086	-0.5	0.68	6.1	-1	-1	46	4.5	49	433
166	GS-07-238	7740058	3387	-0.5	1.52	4.4	-1	-1	94	10.0	111	634
167	GS-07-239	7740186	12875	-0.5	0.42	0.4	326	-1	32	2.7	142	110
168	GS-07-240	7740059	2410	-0.5	1.10	5.9	-1	-1	81	7.6	82	468
169	GS-07-241	7740061	2071	-0.5	0.65	8.1	-1	4	48	4.5	23	495
170	GS-07-242	7741264	800	-99	-99	308	29	-1	12	4.9	38	-99
171	GS-07-244	7740187	2540	-0.5	0.65	7.7	-1	-1	43	4.5	71	507

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
172	GS-07-245	7740188	12609	-0.5	0.47	1.2	203	3	30	2.9	116	120
173	GS-07-247	7740189	12264	-0.5	0.28	0.2	193	-1	23	1.8	146	87
174	GS-07-248	7740062	2728	-0.5	0.67	7.8	-1	-1	48	4.7	66	487
175	GS-07-249	7740063	3309	-0.5	1.33	4.4	-1	-1	93	9.0	95	818
176	GS-07-251	7740064	2546	-0.5	1.91	23.5	19	-1	121	13.3	2075	806
177	GS-07-252	7740065	2439	0.5	0.69	9.1	-1	-1	45	4.7	69	519
178	GS-07-254	7740066	6352	0.5	0.31	1.8	173	6	20	1.9	98	124
179	GS-07-255	7741265	-99	-99	-99	3250	64	16	61	4.6	46	763
180	GS-07-256	7741266	-99	-99	-99	1920	2020	-3	20	1.7	212	184
181	GS-07-257	7741267	800	-99	-99	611	27	-1	12	0.8	36	-99
182	GS-07-259	7741268	3100	-99	-99	12.8	260	-1	26	2.5	68	-99
183	GS-07-260	7741269	1700	-99	-99	32.8	65	-1	15	0.8	50	-99
184	GS-07-261	7740081	732	-99	-99	63.5	-1	-1	6	0.8	31	46
185	GS-07-262	7741271	-99	-99	-99	9.9	78	-3	26	2.7	89	215
186	GS-07-263	7741272	-99	-99	-99	5180	269	22	62	4.1	155	243
187	GS-07-263B	7741629	-99	-0.1	0.43	3710	236	2	33	2.7	70	179
188	GS-07-268	7741273	1700	-99	-99	13.1	31	-1	13	2.1	14	-99
189	GS-07-269	7741274	4600	-99	-99	17.5	91	-1	22	2.1	11	-99
190	GS-07-270	7741275	1800	-99	-99	9	27	-1	10	1	9	-99
191	GS-07-271	7741276	300	-99	-99	241	13	-1	30	3.4	6	-99
192	GS-07-272	7741277	-99	-99	-99	267	593	-3	38	3	120	105
193	GS-07-273	7741278	1100	-99	-99	558	710	11	5	0.4	16	-99
194	GS-08-003	7741293	-99	-99	-99	830	235	10	31	2.0	77	47
195	GS-08-005	7741294	3500	-99	-99	2720	112	18	33	2.1	150	-99
196	GS-08-007	7740082	2073	-99	-99	2.2	76	-1	15	-2	37	212
197	GS-08-008	7740083	2598	-99	-99	-99	72	-99	15	-99	465	217
198	GS-08-011	7741295	-99	-99	-99	304	-99	-3	-99	2.2	-50	-99
199	GS-08-016	7740084	11467	-99	-99	-99	473	-99	37	-99	134	114
200	GS-08-017	7740085	7494	-0.5	0.34	0.3	321	-1	20	2.1	125	77
201	GS-08-019	7741296	-99	-99	-99	9.7	344	-3	22	1.7	93	122
202	GS-08-021	7741297	-99	-99	-99	3.9	353	-3	23	2.1	116	97
203	GS-08-022	7741298	-99	-99	-99	398	316	-3	24	1.5	153	120
204	GS-08-023	7741299	-99	-99	-99	7200	277	-3	25	-0.1	498	82
205	GS-08-025	7740086	6982	-0.5	0.31	0.4	323	-1	18	2.0	134	71
206	GS-08-026	7741301	-99	-99	-99	22.5	294	-3	21	1.8	129	105
207	GS-08-027	7740087	6889	-0.5	0.32	0.3	311	-1	18	1.8	108	68
208	GS-08-028	7741302	6900	-99	-99	23.5	318	-1	18	2.2	108	-99
209	GS-08-031	7741303	-99	-99	-99	5.8	281	-3	18	1.6	150	99
210	GS-08-033	7741304	-99	-99	-99	33.1	10	-3	23	2.0	3850	231
211	GS-08-034	7741305	-99	-99	-99	46.3	15	-3	24	2.1	760	229
212	GS-08-035	7740088	2118	-0.5	0.14	-0.1	168	-1	6	0.8	57	14
213	GS-08-036	7740089	6899	-0.5	0.32	0.3	305	-1	18	2.0	171	69
214	GS-08-037	7740091	6841	-0.5	0.30	0.5	297	-1	18	1.8	130	69
215	GS-08-038	7741306	6100	-99	-99	6.9	195	-1	15	1.7	73	-99
216	GS-08-039	7741307	5200	-99	-99	6.7	320	-1	20	2.3	225	-99
217	GS-08-040	7741308	8700	-99	-99	5.9	272	-1	19	2.5	94	-99
218	GS-08-042	7741309	7300	-99	-99	0.7	341	-1	15	2.3	133	-99
219	GS-08-043	7740092	7676	-0.5	0.39	0.5	339	-1	23	2.4	107	93
220	GS-08-044	7740093	7884	-0.5	0.36	0.5	342	-1	22	2.5	111	97
221	GS-08-045	7740094	7515	-0.5	0.30	0.3	337	-1	19	2.1	97	74
222	GS-08-047	7741311	5400	-99	-99	3.5	271	8	17	2.0	48	-99
223	GS-08-048	7741312	8700	-99	-99	9.1	300	-1	14	3.5	47	-99
224	GS-08-049	7741313	8800	-99	-99	4.5	286	-1	4	2.0	44	-99
225	GS-08-050	7740095	9153	-0.5	0.33	3.3	292	-1	5	2.3	82	179
226	GS-08-053	7740096	1647	-99	-99	0.4	255	-1	5	-2	74	37
227	GS-08-054	7741314	3600	-99	-99	14.4	414	-1	8	1.6	68	-99
228	GS-08-055	7741315	4400	-99	-99	0.7	269	-1	8	2.0	77	-99

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Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
229	GS-08-057	7741316	2600	-99	-99	4.0	1160	-1	11	1.7	141	-99
230	GS-08-058	7741317	-99	-99	-99	13.7	590	-3	33	3.4	82	195
231	GS-08-059	7741318	-99	-99	-99	8.8	285	-3	2	0.2	41	38
232	GS-08-060	7741319	-99	-99	-99	910	587	6	3	-0.1	44	22
233	GS-08-061	7741321	-99	-99	-99	8.8	210	-3	-1	-0.1	27	8
234	GS-08-062	7741322	-99	-99	-99	9.5	792	5	35	3.3	83	164
235	GS-08-063	7740097	1470	-99	-99	2.3	532	2	9	-2	81	30
236	GS-08-064	7741323	-99	-99	-99	3.4	854	-3	8	1.1	105	44
237	GS-08-065	7741324	-99	-99	-99	178	277	-3	11	0.9	70	91
238	GS-08-066	7741325	-99	-99	-99	10.7	235	-3	11	1.1	51	44
239	GS-08-068	7740098	2487	-99	-99	-0.1	265	2	7	-2	75	40
240	GS-08-073	7741326	100	-99	-99	67.3	510	4	4	-0.2	45	-99
241	GS-08-074	7740099	587	-99	-99	5.9	2	1	35	3	20	148
242	GS-08-075	7740101	4708	-99	-99	-99	188	-99	13	-99	94	73
243	GS-08-076	7740102	644	-99	-99	23.6	2	-1	58	6	28	162
244	GS-08-078	7740103	4779	-99	-99	3.5	62	-1	24	3	96	194
245	GS-08-079	7740104	4758	-99	-99	-99	62	-99	24	-99	87	198
246	GS-08-080	7740105	3803	-99	-99	-99	-1	-99	20	-99	67	148
247	GS-08-081	7740106	4714	-99	-99	3.4	66	-1	24	2	81	245
248	GS-08-082	7740107	723	-99	-99	-99	1	-99	48	-99	28	184
249	GS-08-083	7740108	386	-99	-99	-99	1	-99	42	-99	19	127
250	GS-08-084	7740109	501	-99	-99	-99	-1	-99	35	-99	14	138
251	GS-08-088	7740111	262	-99	-99	-99	1	-99	20	-99	9	101
252	GS-08-089	7740112	533	-99	-99	-99	3	-99	33	-99	73	161
253	GS-08-090	7740113	848	-99	-99	49.7	14	2	62	5	27	164
254	GS-08-092	7740114	882	-99	-99	-99	4	-99	57	-99	25	175
255	GS-08-095	7740115	970	-99	-99	-99	9	-99	41	-99	9	212
256	GS-08-103	7741327	6000	-99	-99	7.7	323	7	17	1.8	127	-99
257	GS-08-104	7740116	2850	-99	-99	-99	178	-99	13	-99	84	101
258	GS-08-107	7741328	2100	-99	-99	8.5	34	-1	24	3.2	44	-99
259	GS-08-128	7741329	-99	-99	-99	142	-99	-3	-99	1.4	247	-99
260	GS-08-129	7741331	-99	-99	-99	4.6	-99	-3	-99	2.6	299	-99
261	GS-08-131	7741332	2500	-99	-99	40.7	2340	-1	11	1.4	43	-99
262	GS-08-132	7741333	500	-99	-99	629	1440	-1	32	2.2	1340	-99
263	GS-08-133	7741334	200	-99	-99	910	529	-1	3	-0.2	2270	-99
264	GS-08-134	7741335	-99	-99	-99	5.6	-99	-3	-99	1.2	98	-99
265	GS-08-135	7741336	-99	-99	-99	92.4	814	-3	20	0.8	777	22
266	GS-08-136	7740117	2559	-99	-99	-99	168	-99	11	-99	88	87
267	GS-08-137	7740118	1475	-99	-99	-99	-1	-99	24	-99	33	153
268	GS-08-142	7741337	-99	-99	-99	17.6	-99	7	-99	1.2	-50	-99
269	GS-08-143	7741338	-99	-99	-99	6.9	-99	8	-99	3.6	507	-99
270	GS-08-144	7741339	7000	-99	-99	33.7	702	-1	23	2.5	1100	-99
271	GS-08-145	7741341	1700	-99	-99	5.3	24	-1	10	2.2	28	-99
272	GS-08-146	7741342	1700	-99	-99	8.7	33	-1	27	3.2	35	-99
273	GS-08-150	7741343	-99	-99	-99	11.7	-99	-3	-99	1.6	-50	-99
274	GS-08-151	7741344	3500	-99	-99	28.2	749	-1	20	2.0	146	-99
275	GS-08-152	7740119	1063	-99	-99	-99	57	-99	15	-99	36	206
276	GS-08-153	7741345	-99	-99	-99	2.2	-99	-3	-99	2.5	-50	-99
277	GS-08-154	7741346	-99	-99	-99	57.6	-99	-3	-99	2.3	273	-99
278	GS-08-156	7741347	-99	-99	-99	72.0	-99	-3	-99	1.4	208	-99
279	GS-08-158	7741348	11700	-99	-99	11.1	386	10	28	2.8	216	-99
280	GS-08-161	7741349	1600	-99	-99	3.8	83	-1	8	0.8	39	-99
281	GS-08-175	7740121	2534	-0.5	0.69	5.5	-1	-1	42	4.4	73	487
282	GS-08-176	7740122	2078	-0.5	0.69	5.9	-1	-1	42	4.5	41	433
283	GS-08-177	7740123	9976	-0.5	0.30	0.1	189	-1	20	2.2	219	106
284	GS-08-179	7740124	9663	-0.5	0.35	0.2	232	-1	25	2.4	139	99
285	GS-08-180	7740125	2872	-0.5	0.24	-0.1	139	-1	15	1.9	86	49

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ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
286	GS-08-181	7740126	1895	-0.5	0.63	6.5	-1	-1	43	4.5	441	384
287	GS-08-182	7740127	1645	-0.5	0.61	7.3	-1	-1	43	4.5	21	348
288	GS-08-183	7740128	4253	-0.5	0.25	1.1	219	-1	18	1.8	112	78
289	GS-08-184	7740129	1405	-0.5	0.61	9.1	-1	-1	45	4.5	289	293
290	GS-08-185	7740131	692	-0.5	1.28	13.1	-1	3	82	8.3	37	231
291	GS-08-187	7740132	589	14.2	1.00	9.9	-1	3	61	7.0	45	226
292	GS-08-188	7740133	3916	-0.5	0.25	1.6	210	2	15	1.8	100	57
293	GS-08-189	7740134	12844	-0.5	0.36	0.5	192	-1	25	2.2	161	172
294	GS-08-190	7740135	764	-0.5	0.78	7.7	-1	-1	55	5.1	22	235
295	GS-08-191	7740136	696	-0.5	0.78	75.4	-1	8	45	5.6	25	236
296	GS-08-192	7741351	-99	-99	-99	9.9	12	3	24	2.7	70	123
297	GS-08-193	7740137	2826	-0.5	1.03	4.9	-1	1	68	7.0	98	561
298	GS-08-195	7740211	745	-0.5	0.32	9.1	2	-1	21	2.8	11	94
299	GS-08-196	7740138	3522	-0.5	1.26	3.5	-1	1	89	8.6	136	795
300	GS-08-198	7740139	408	-0.5	1.31	12.3	-1	3	82	8.8	36	231
301	GS-08-199	7740141	816	-0.5	2.21	9.5	-1	3	129	14.8	82	278
302	GS-08-200	7741352	-99	-99	-99	10.4	-99	-3	-99	6.0	2210	-99
303	GS-08-201	7740142	2754	-0.5	0.67	6.1	-1	2	44	4.8	86	547
304	GS-08-202	7741353	-99	-99	-99	5.8	16	-3	44	4.1	82	480
305	GS-08-203	7741354	-99	-99	-99	152	36	-3	77	5.6	156	637
306	GS-08-204	7740143	7268	-0.5	0.44	1.8	101	2	29	3.1	97	161
307	GS-08-205	7740144	1735	-0.5	0.65	6.6	-1	2	43	4.7	61	366
308	GS-08-206	7740145	2120	-0.5	0.57	6.7	3	-1	33	3.8	35	289
309	GS-08-207	7740146	2616	-0.5	0.65	5.5	-1	-1	44	4.5	68	529
310	GS-08-208	7740147	1012	-0.5	1.33	9.9	-1	1	86	9.2	55	261
311	GS-08-209	7740212	3021	-0.5	1.23	27.7	8	-1	84	8.4	90	688
312	GS-08-210	7740213	3522	-0.5	1.18	4.8	34	-1	80	7.7	108	494
313	GS-08-211	7741355	-99	-99	-99	217	168	-3	64	4.3	131	265
314	GS-08-212	7741356	-99	-99	-99	36.2	28	-3	30	2.3	132	316
315	GS-08-213	7741357	-99	-99	-99	1070	86	-3	74	4.0	91	479
316	GS-08-214	7741358	-99	-99	-99	299	77	-3	69	7.0	68	543
317	GS-08-215	7740148	2606	-0.5	0.63	6.1	-1	-1	44	4.3	79	488
318	GS-08-216	7741359	-99	0.29	1.9	72.0	11	1	130	12.5	98.3	361
319	GS-08-217	7740149	8852	-0.5	0.34	0.2	269	-1	22	2.1	127	51
320	GS-08-218	7741361	-99	-99	-99	2990	158	-3	117	8.2	134	1204
321	GS-08-219	7741362	-99	-99	-99	785	6	-3	46	2.5	56	589
322	GS-08-220	7741363	-99	-99	-99	27.3	-5	-3	37	3.3	81	416
323	GS-08-221	7741364	5200	-99	-99	1660	222	-1	35	3.2	150	-99
324	GS-08-222	7741365	5700	-99	-99	3770	242	-1	38	2.9	164	-99
325	GS-08-224	7740151	2709	-0.5	0.16	2.2	142	-1	11	1.0	86	66
326	GS-08-225	7740152	10019	-0.5	0.65	4.7	222	-1	42	4.3	118	235
327	GS-08-226	7740153	7439	-0.5	0.28	7.8	169	-1	18	2.0	130	146
328	GS-08-228	7741366	-99	-99	-99	687	315	13	19	1.0	98	123
329	GS-08-229	7740154	5242	-0.5	0.61	2.5	11	-1	35	3.7	71	314
330	GS-08-231	7741367	-99	-99	-99	1470	-99	-3	-99	3.1	383	-99
331	GS-08-233	7740155	6623	-0.5	0.46	4.7	68	-1	32	3.0	116	290
332	GS-08-234	7740156	6819	-0.5	0.30	6.0	187	-1	18	2.0	140	64
333	GS-08-235	7740157	6937	-0.5	0.48	27.9	83	-1	33	3.1	183	333
334	GS-08-237	7741368	-99	-99	-99	10.1	33	-3	58	4.8	89	643
335	GS-08-238	7741369	-99	-99	-99	9.6	-99	-3	-99	3.4	-50	-99
336	GS-08-239	7741371	-99	-99	-99	7.1	73	-3	35	2.3	109	283
337	GS-08-240	7741372	-99	-99	-99	1900	124	-3	40	2.6	180	431
338	GS-08-241	7741373	-99	-99	-99	130	123	-3	36	2.2	162	310
339	GS-08-242	7741374	-99	-99	-99	91.2	-99	-3	-99	2.7	-50	-99
340	GS-08-244	7741375	-99	-99	-99	25.6	-99	-3	-99	2.7	446	-99
341	GS-08-245	7741376	-99	-99	-99	2620	-99	-3	-99	2.6	264	-99
342	GS-08-246	7741377	-99	-99	-99	3960	-99	-3	-99	-0.1	-50	-99

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
343	GS-08-247	7740198	709	-99	-99	50.6	23	-1	31	3	477	294
344	GS-08-249	7741378	4200	-99	-99	14.7	43	9	79	7.0	83	-99
345	GS-08-250	7741379	-99	-99	-99	94.4	-99	24	-99	21.5	932	-99
346	GS-08-251	7741381	-99	-99	-99	83.2	-99	-3	-99	3.2	540	-99
347	GS-08-252A	7741382	-99	-99	-99	295	54	-3	28	4.8	176	211
348	GS-08-252B	7740259	1475	-99	-99	110.0	40	-1	23	4	177	397
349	GS-08-253	7740199	1253	-99	-99	4.7	-1	-1	55	10	30	560
350	GS-08-254	7741383	-99	0.72	0.8	122	120	0.1	54.7	5.1	416	233
351	GS-08-255	7741384	-99	-99	-99	832	49	-3	47	6.1	246	550
352	GS-08-256	7740201	475	-99	-99	-99	11	-99	7	-99	64	79
353	GS-08-257	7741385	-99	-99	-99	150	-99	-3	-99	1.5	-50	-99
354	GS-08-259	7741386	-99	-99	-99	87.0	-99	-3	-99	1.3	-50	-99
355	GS-08-260	7741387	-99	0.97	0.5	2320	294	0.9	30.8	2.2	226	273
356	GS-08-262	7741388	-99	0.39	0.9	-10000	438	18.5	69.8	5.7	195	729
357	GS-08-263	7740202	7704	-0.5	0.41	0.4	439	-1	27	2.7	120	71
358	GS-08-264	7741389	-100	-99	-99	5.7	174	-1	1	-0.2	7	-99
359	GS-08-265	7741391	-99	-99	-99	82.5	-99	-3	-99	1.6	-50	-99
360	GS-08-266	7741392	5400	-99	-99	437	150	-1	23	2.9	129	-99
361	GS-08-267	7741393	6800	-99	-99	942	283	14	14	2.3	164	-99
362	GS-08-268	7741394	-99	2.3	0.2	744	490	15.5	13	1.6	119	252
363	GS-08-269	7741395	-99	-99	-99	326	49	6	16	1.0	38	222
364	GS-08-270	7741396	-99	-99	-99	1270	93	-3	18	1.3	52	251
365	GS-08-271	7741397	-99	0.62	0.4	2960	196	5.1	21.2	2.2	128	364
366	GS-08-272	7741398	-99	-99	-99	5.6	-99	-3	-99	2.6	-50	-99
367	GS-08-273	7741399	-99	0.75	0.6	-10000	337	3.4	41.6	3.3	153	560
368	GS-08-274	7741401	-99	10.6	1.1	138	5	1.9	75.8	6.7	4630	449
369	GS-08-275	7741402	2200	-99	-99	497	5	-1	84	7.8	6140	-99
370	GS-08-276	7741403	-99	6.32	1.2	944	4	2.2	87	7.5	4800	515
371	GS-08-277	7741404	2400	-99	-99	42.9	4	-1	72	10.3	3350	-99
372	GS-08-278	7741405	3100	-99	-99	15.9	3	-1	70	9.4	3610	-99
373	GS-08-281	7741406	-99	-99	-99	927	-99	-3	-99	9.3	-50	-99
374	GS-08-282	7740203	1419	-99	-99	8.0	113	-1	112	10	143	822
375	GS-08-283	7741407	-99	-99	-99	390	-99	-3	-99	6.6	-50	-99
376	GS-08-284	7741408	-99	0.24	1.1	31.5	-1	1.9	82.2	7	31.3	523
377	GS-08-285	7741409	-99	-99	-99	22.5	-99	-3	-99	3.8	195	-99
378	GS-08-286	7741411	-99	-99	-99	5.7	-99	-3	-99	6.8	-50	-99
379	GS-08-288	7740204	1209	-99	-99	5.3	2	-1	57	6	41	445
380	GS-08-289	7741412	-99	-99	-99	63.0	-99	-3	-99	-0.1	169	-99
381	GS-08-290	7741413	800	-99	-99	8.8	153	15	2	0.4	2820	-99
382	GS-08-291	7741414	2200	-99	-99	430	170	14	24	2.2	1040	-99
383	GS-08-292	7741415	-99	2.7	2.4	1390	-2	6.5	91	15.3	97	984
384	GS-08-293	7741416	-99	0.76	1.7	860	4	1.3	85.1	11.4	135	520
385	GS-08-294	7741417	-99	-99	-99	10.2	33	-3	24	2.3	32	165
386	GS-08-296	7741418	-99	-99	-99	16.9	473	-3	43	3.3	194	178
387	GS-08-297	7741419	-99	-99	-99	2200	-99	-3	-99	3.1	737	-99
388	GS-08-301	7741421	3200	-99	-99	31.1	457	-1	12	2.0	78	-99
389	GS-08-302	7740205	19813	-99	-99	-0.1	266	-1	43	5	150	213
390	GS-08-303	7741422	-99	-0.05	0.4	2890	455	4.4	25.7	2.5	130	62
391	GS-08-304	7740206	8552	-99	-99	0.9	239	-1	55	6	172	328
392	GS-08-305	7740207	5452	-99	-99	-0.1	198	-1	17	-2	93	45
393	GS-08-322	7740208	7894	-99	-99	-99	359	-99	26	-99	141	79
394	GS-09-004	7741423	-99	-99	-99	1060	108	-3	12	1.5	105	116
395	GS-09-008	7741424	-99	-99	-99	992	30	-3	6	-0.1	70	197
396	GS-09-009	7740261	788	-99	-99	87.6	18	-1	11	-2	22	99
397	GS-09-010	7740262	1918	-99	-99	10.0	27	-1	3	-2	55	176
398	GS-09-011	7740263	3378	-99	-99	3.8	234	-1	14	-2	189	26
399	GS-09-013	7740307	887	-99	-99	-99	14	-99	5	-99	43	109

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ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
400	GS-09-014	7740308	814	-99	-99	-99	17	-99	5	-99	35	110
401	GS-09-015	7740229	4568	-99	-99	-99	229	-99	18	-99	143	47
402	GS-09-017	7741425	-99	-99	-99	320	11	6	3	0.5	25	105
403	GS-09-018	7741426	-99	-0.05	-0.1	684	31	4.8	6.1	0.4	44.8	46
404	GS-09-019	7740231	20897	-99	-99	-99	145	-99	59	-99	189	432
405	GS-09-020	7740264	511	-0.5	-0.05	3.7	5	-1	1	0.1	17	69
406	GS-09-022	7740265	494	-99	-99	1.5	-1	-1	1	-2	26	65
407	GS-09-023	7740266	3299	-0.5	-0.05	2.4	38	-1	6	0.3	55	236
408	GS-09-024	7740267	726	-99	-99	28.6	7	-1	5	-2	32	95
409	GS-09-028	7740232	1187	-99	-99	-99	15	-99	5	-99	31	120
410	GS-09-034	7741427	-99	-99	-99	1020	51	10	8	0.4	27	110
411	GS-09-035	7740268	1881	-99	-99	1.8	48	-1	4	-2	71	132
412	GS-09-036	7740269	636	-99	-99	0.6	11	-1	2	-2	19	92
413	GS-09-037	7740233	167	-99	-99	-99	-1	-99	2	-99	8	36
414	GS-09-038	7741428	-99	-99	-99	508	14	5	5	-0.1	43	78
415	GS-09-041	7740271	117	-99	-99	12.0	13	-1	3	-2	47	174
416	GS-09-042	7741429	-99	-99	-99	697	18	8	4	0.5	41	118
417	GS-09-048	7741431	-99	0.09	-0.1	285	13	1.2	3.1	0.2	1240	88
418	GS-09-054	7741432	-99	0.11	0.2	478	330	0.6	11.2	1.1	102	32
419	GS-09-055	7741433	-99	-99	-99	2870	279	15	11	-0.1	95	143
420	GS-09-056	7740234	3866	-99	-99	-99	267	-99	13	-99	80	178
421	GS-09-057	7741434	-99	-99	-99	16.1	63	-3	8	0.8	111	238
422	GS-09-058	7741435	-99	-99	-99	698	251	8	3	-0.1	154	106
423	GS-09-059	7741436	-99	0.57	0.1	304	118	0.6	5.7	0.8	358	80
424	GS-09-060	7741437	-99	0.82	0.2	504	187	1.1	15.5	1.5	80.6	170
425	GS-09-061	7741438	-99	-99	-99	1860	397	-3	22	2.1	249	173
426	GS-09-062	7741439	-99	3.36	1.3	346	574	0.3	115	8.2	73.8	554
427	GS-09-063	7741441	-99	-99	-99	2.3	-99	-3	-99	0.9	-50	-99
428	GS-09-064	7740235	2926	-99	-99	-99	42	-99	5	-99	71	155
429	GS-09-066	7740236	3887	-99	-99	-99	77	-99	10	-99	105	97
430	GS-09-067	7740237	8831	-99	-99	-99	298	-99	27	-99	153	83
431	GS-09-068	7740238	8265	-99	-99	-99	279	-99	26	-99	145	86
432	GS-09-069	7740272	2626	-99	-99	30.5	105	-1	39	4	22	199
433	GS-09-070	7741442	-99	-0.05	16.5	710	257	-0.1	784	99.8	29.4	14
434	GS-09-071	7741443	-99	-99	-99	141	356	-3	315	27.1	50	197
435	GS-09-072	7741444	-99	-99	-99	43.4	-99	-3	-99	2.8	58000	-99
436	GS-09-073	7740239	4154	-99	-99	-99	75	-99	12	-99	98	166
437	GS-09-075	7740273	261	-99	-99	13.0	22	-1	9	-2	12	83
438	GS-09-077	7740274	10322	-99	-99	-0.1	226	-1	24	2	103	81
439	GS-09-079	7740275	2056	-99	-99	7.2	-1	1	5	-2	20	132
440	GS-09-080	7740241	12640	-99	-99	-99	260	-99	31	-99	115	104
441	GS-09-084	7740242	13825	-99	-99	-99	268	-99	33	-99	159	109
442	GS-09-087	7740276	2251	-99	-99	3.2	69	1	8	-2	35	123
443	GS-09-088	7740277	4515	-99	-99	4.4	89	1	13	-2	47	191
444	GS-09-089	7741445	-99	-99	-99	1560	311	-3	23	1.9	41	168
445	GS-09-090	7740278	4249	-99	-99	5.1	117	-1	12	-2	53	154
446	GS-09-091	7740243	1899	-99	-99	-99	217	-99	10	-99	39	176
447	GS-09-092	7740244	4468	-99	-99	-99	172	-99	20	-99	94	99
448	GS-09-094	7740245	4606	-99	-99	-99	133	-99	16	-99	113	157
449	GS-09-095	7740246	2644	-99	-99	-99	231	-99	17	-99	38	225
450	GS-09-098	7740279	529	-99	-99	13.0	13	-1	34	6	41	219
451	GS-09-099	7740281	2331	-99	-99	9.4	154	8	25	-2	297	101
452	GS-09-100	7740282	1108	-99	-99	32.4	92	2	69	7	23	644
453	GS-09-101	7740247	2531	-99	-99	-99	205	-99	55	-99	37	678
454	GS-09-102	7741446	-99	-0.05	0.2	2160	255	-0.1	12.2	1	111	53
455	GS-09-103	7741447	-99	0.11	0.5	2600	389	11.6	32	3.4	49.3	3420
456	GS-09-104	7741448	-99	0.11	0.2	1420	319	4.3	15.9	1.2	59.3	876

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ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
457	GS-09-105	7741449	-99	-0.05	0.6	545	319	1.6	36	4.2	180	492
458	GS-09-106	7741451	-99	-0.05	0.4	716	219	0.1	26.7	2.2	129	108
459	GS-09-107	7741452	-99	-0.05	0.4	3380	201	0.1	22.5	2.5	48.1	1590
460	GS-09-108	7741453	-99	-99	-99	2900	122	14	27	1.8	52	2313
461	GS-09-109	7741454	-99	0.45	0.5	321	55	0.3	34.7	3.7	32.2	217
462	GS-09-111	7740283	2587	-99	-99	1.9	319	1	11	-2	81	35
463	GS-09-112	7740284	1109	-99	-99	5.5	172	-1	12	3	237	50
464	GS-09-113	7741455	-99	-99	-99	1.5	-99	-3	-99	0.2	-50	-99
465	GS-09-114	7740285	14740	-99	-99	0.8	427	1	29	5	141	188
466	GS-09-115	7741456	600	-99	-99	-0.5	50	-1	22	1.7	58	-99
467	GS-09-118	7740248	18381	-99	-99	-99	256	-99	64	-99	182	341
468	GS-09-120	7741457	-99	-0.05	0.2	1140	-1000	5	13.8	1.4	114	125
469	GS-09-121	7741458	-99	-99	-99	14.9	-99	-3	-99	2.8	-50	-99
470	GS-09-122	7741459	-99	0.46	0.2	78.1	28	1.3	12.9	1.3	56.9	106
471	GS-09-123	7741461	-99	-99	-99	107	-99	-3	-99	2.7	-50	-99
472	GS-09-124	7741462	-99	-0.05	0.4	7.2	144	-0.1	28.6	2.2	89.9	22
473	GS-09-125	7741463	-99	0.63	0.5	1740	184	1.3	39.6	3.2	112	17
474	GS-09-126	7741464	-99	0.59	0.2	1120	101	1.3	23.8	1.4	49.5	6
475	GS-09-127	7740286	1050	-99	-99	5.0	-1	2	36	3	36	269
476	GS-09-128	7740249	3060	-99	-99	-99	118	-99	10	-99	87	69
477	GS-09-129	7740251	5179	-99	-99	-99	192	-99	22	-99	108	87
478	GS-09-130	7741465	-99	0.63	0.2	45.5	36	0.5	17.8	1.1	35.8	17
479	GS-09-131	7741466	-99	-99	-99	65.6	17	-3	37	4.4	41	259
480	GS-09-133	7741467	-99	-99	-99	292	41	5	31	3.3	28	235
481	GS-09-134	7740287	948	-99	-99	4.9	-1	2	26	3	27	247
482	GS-09-135	7741468	-99	0.66	0.7	394	32	0.7	40.1	4.5	18.8	184
483	GS-09-137	7740288	5530	-99	-99	-0.1	277	-1	17	2	82	47
484	GS-09-142	7741469	1100	-99	-99	5.9	17	-1	25	3.4	19	-99
485	GS-09-143	7741471	-99	1.35	0.4	408	29	1.6	26.2	2.5	12.3	142
486	GS-09-145	7741472	-99	0.56	0.3	2460	225	1.5	24.8	2.2	42.4	123
487	GS-09-146	7741473	-99	-99	-99	29.1	-99	-3	-99	3.3	50	-99
488	GS-09-147	7741474	-99	-99	-99	5.2	-99	-3	-99	3.2	-50	-99
489	GS-09-148	7740252	4478	-99	-99	-99	261	-99	15	-99	96	32
490	GS-09-150	7740289	2017	-99	-99	-0.1	22	-1	2	-2	52	123
491	GS-09-151	7740291	639	-99	-99	30.2	147	-1	14	-2	278	35
492	GS-09-152	7740292	626	-99	-99	0.2	9	-1	4	-2	17	26
493	GS-09-155	7740293	460	-99	-99	18.0	16	-1	11	-2	12	19
494	GS-09-156	7740294	387	-99	-99	309.0	275	-1	167	7	19	13
495	GS-09-157	7741475	-99	4.75	0.2	22.5	157	0.6	14.3	1.3	84.4	132
496	GS-09-158	7740295	1501	-99	-99	8.1	46	-1	11	-2	25	141
497	GS-09-159	7740296	510	-99	-99	71.2	78	-1	64	2	173	18
498	GS-09-161	7741476	-99	0.49	0.2	75.3	70	0.2	30.9	1.2	49.8	15
499	GS-09-163	7741477	3600	-99	-99	4.2	167	-1	17	1.6	14	-99
500	GS-09-164	7740297	14405	-99	-99	-0.1	13	-1	45	8	132	230
501	GS-09-165	7740298	1668	-99	-99	4.2	251	-1	18	-2	110	53
502	GS-09-166	7741478	4400	-99	-99	13.2	279	-1	27	3.2	1280	-99
503	GS-09-167	7740253	17640	-99	-99	-99	504	-99	38	-99	136	170
504	GS-09-169	7741479	3800	-99	-99	6.6	69	-1	28	4	48	-99
505	GS-09-170	7741481	-99	-99	-99	5.4	-99	-3	-99	3.2	-50	-99
506	GS-09-172	7740254	25325	-99	-99	-99	275	-99	74	-99	180	340
507	GS-09-173	7741482	3000	-99	-99	-0.5	155	-1	10	1.6	39	-99
508	GS-09-174	7741483	-99	0.09	0.2	911	346	3	12.9	1.4	76	50
509	GS-09-175	7741484	-99	-99	-99	15.9	-99	-3	-99	2.3	-50	-99
510	GS-09-177	7740299	6076	-0.5	0.30	7.1	1090	-1	23	2.2	194	44
511	GS-09-182	7741485	-99	-99	-99	5.9	-99	-3	-99	2.1	160	-99
512	GS-09-184	7741486	-99	-99	-99	4.9	-99	-3	-99	3.3	-50	-99
513	GS-09-185	7740255	5334	-0.5	0.27	0.2	297	-1	18	1.8	82	43

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
514	GS-09-188	7740256	3687	-99	-99	-99	132	-99	16	-99	76	88
515	GS-09-189	7740257	1412	-0.5	0.15	2.2	151	-1	11	1.1	36	168
516	GS-09-191	7741487	-99	-99	-99	266	1072	351	19	2.2	2750	352
517	GS-09-193	7740301	3413	-99	-99	1.2	37	2	19	-2	61	108
518	GS-09-194	7740258	3456	-99	-99	-99	55	-99	32	-99	138	229
519	GS-09-197	7740302	6859	-99	-99	214.0	1152	-1	22	-2	161	96
520	GS-09-199	7740303	8598	-99	-99	3.3	521	2	23	-2	124	113
521	GS-09-200	7740304	6605	-99	-99	326.0	1314	2	25	-2	136	171
522	GS-09-201	7740305	1431	-0.5	0.17	2.6	25	-1	15	1.6	22	167
523	GS-09-203	7741488	-99	-99	-99	395	3117	-3	20	2.2	165	64
524	GS-09-204	7741489	-99	-99	-99	9.2	-99	-3	-99	2.4	180	-99
525	GS-09-206	7741491	-99	-99	-99	1220	250	12	43	4.2	736	303
526	GS-09-207	7741492	-99	-0.05	0.8	1300	187	1.6	53.3	5.8	696	360
527	GS-09-208	7741493	-99	-99	-99	5.6	-99	-3	-99	4.2	-50	-99
528	GS-09-210	7741494	-99	-99	-99	844	841	-3	128	15.9	230	1064
529	GS-09-211	7741495	-99	-0.05	0.2	354	253	0.7	15.2	1.5	105	160
530	GS-09-213	7741496	-99	-0.05	0.1	140	69	3.7	8.3	1	33.3	80
531	GS-09-214	7741497	-99	-99	-99	1020	725	-3	46	3.8	71	273
532	GS-09-215	7741498	-99	-99	-99	250	1421	10	27	2.3	115	153
533	GS-09-217	7741499	-99	-99	-99	101	1063	5	13	1.3	260	88
534	GS-09-218	7741501	-99	-99	-99	486	173	10	28	2.9	45	131
535	GS-09-220	7741502	3700	-99	-99	19.3	423	1030	43	4	203	-99
536	GS-09-221	7741503	-99	0.24	0.2	3.8	31	-0.1	11.4	1.4	3	50
537	GS-09-222	7740306	7143	-99	-99	0.3	235	2	13	-2	108	67
538	GS-14-001	7740903	1034	-0.5	-0.05	0.5	22	-1	4	0.4	46	65
539	GS-14-002	7740904	6463	-0.5	0.30	0.5	231	-1	18	2.0	110	68
540	GS-14-006	7740905	251	-0.5	-0.05	0.5	-5	-1	-1	-0.1	13	47
541	GS-14-007	7740906	4073	-0.5	0.07	4.8	52	-1	7	0.4	79	215
542	GS-14-011	7740907	21744	-0.5	0.93	8.1	162	-1	63	6.1	215	472
543	GS-14-019	7740908	4521	-0.5	0.17	3.4	140	-1	12	1.2	118	50
544	GS-14-020	7740909	805	-0.5	0.17	4.5	13	-1	10	1.3	24	155
545	GS-14-033	7740911	14506	-0.5	0.49	19.5	217	-1	33	3.1	166	106
546	GS-14-035	7740912	4745	-0.5	0.19	2.4	162	-1	11	1.3	112	92
547	GS-14-038	7740913	11227	-0.5	0.55	24.4	309	-1	38	3.5	170	117
548	GS-14-039	7740914	581	-0.5	-0.05	0.5	8	-1	3	0.2	21	71
549	GS-14-040	7740915	445	-0.5	-0.05	0.4	10	-1	2	0.1	17	51
550	GS-14-041	7741504	-99	0.3	0.43	16.3	136	1	23	2.9	-30	1368
551	GS-14-043	7740917	5005	-0.5	0.20	0.6	130	-1	13	1.4	83	95
552	GS-14-046	7741505	-99	-0.1	0.28	2460	1312	-1	15	1.8	30	1397
553	GS-14-047	7741506	-99	-0.1	0.24	231	526	1	13	1.6	170	50
554	GS-14-048	7741507	-99	-0.1	0.23	365	983	4	13	1.6	150	57
555	GS-14-049	7740918	5051	-0.5	0.29	0.4	262	-1	16	2.0	211	42
556	GS-14-051	7741508	-99	-0.1	0.37	1210	1569	6	22	2.4	210	242
557	GS-14-054	7740919	3665	-0.5	0.27	-0.1	255	-1	15	1.8	81	43
558	GS-14-057	7741001	1276	-0.5	0.25	17.5	745	2	23	2.6	92	98
559	GS-14-058	7741509	-99	-0.1	0.53	243	99	2	33	3.6	-30	284
560	GS-14-060	7740921	2298	-0.5	0.55	6.1	74	1	31	3.8	21	283
561	GS-14-063	7740922	7020	-0.5	0.64	0.8	381	-1	39	4.2	98	112
562	GS-14-064	7740923	13807	-0.5	0.56	2.3	96	-1	47	3.7	130	534
563	GS-14-065	7741002	1018	-0.5	0.47	36.0	395	1	27	2.2	105	90
564	GS-14-067	7740924	1324	-0.5	0.11	0.4	168	-1	8	0.7	112	33
565	GS-14-072	7741511	-99	-0.1	0.44	524	551	4	25	2.7	130	135
566	GS-14-073	7741512	-99	-0.1	0.44	303	851	5	26	2.8	40	137
567	GS-14-076	7740925	4280	-0.5	0.24	-0.1	234	-1	15	1.8	70	40
568	GS-14-077	7740926	12739	-0.5	0.46	0.3	255	-1	29	2.7	131	90
569	GS-14-078	7740927	8275	-0.5	0.44	0.1	327	-1	24	3.0	98	74
570	GS-14-079	7741513	-99	-0.1	0.23	283	304	-1	13	1.5	50	50

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
571	GS-14-081	7741514	-99	-0.1	0.19	28.9	423	1	12	1.3	50	41
572	GS-14-087	7741515	-99	-0.1	0.2	306	374	2	11	1.2	70	40
573	GS-14-088	7740928	14045	-0.5	0.44	0.3	303	2	27	2.8	139	91
574	GS-14-090	7740929	5366	-0.5	0.28	-0.1	266	1	16	2.0	78	47
575	GS-14-091	7740931	7541	-0.5	0.32	0.1	216	1	21	2.1	98	65
576	GS-14-092	7740932	627	-0.5	-0.05	3.3	12	-1	2	0.2	25	56
577	GS-14-094	7740933	1218	-0.5	-0.05	4.8	23	-1	2	0.4	48	105
578	GS-14-095	7740934	1959	-0.5	-0.05	4.9	20	2	4	0.4	47	167
579	GS-14-096	7740935	6164	-0.5	0.40	13.0	240	-1	22	2.7	111	60
580	GS-14-097	7740936	6257	-0.5	0.49	2.9	320	2	24	3.1	168	88
581	GS-14-098	7741516	-99	-0.1	0.14	972	60	-1	16	0.7	60	161
582	GS-14-099	7740937	2749	-0.5	0.12	0.7	132	1	8	0.8	144	34
583	GS-14-101	7740938	1813	-0.5	-0.05	4.2	19	-1	3	0.3	65	147
584	GS-14-103	7741517	-99	-0.1	-0.1	485	20	-1	4	0.2	-30	76
585	GS-14-105	7740939	18873	-0.5	0.89	1.1	192	1	56	5.8	164	479
586	GS-14-106	7740941	3277	-0.5	0.15	0.2	59	-1	11	0.9	51	182
587	GS-14-107	7740942	6665	-0.5	0.31	0.7	213	-1	19	2.2	147	106
588	GS-14-108	7741518	-99	-99	-99	2.5	82	-3	7	0.7	30	56
589	GS-14-109	7740943	4823	-0.5	0.21	-0.1	258	-1	11	1.5	80	45
590	GS-14-110	7741519	-99	-99	-99	94.6	320	-3	251	24.5	36	97
591	GS-14-112	7740944	2152	-0.5	3.41	7.4	65	1	64	45.6	43	302
592	GS-14-113	7740945	2934	-0.5	0.23	5.9	609	3	15	1.7	81	82
593	GS-14-114	7740946	2184	-0.5	0.15	5.1	666	3	11	1.2	111	44
594	GS-14-115	7740947	4615	-0.5	0.31	8.8	453	3	15	2.1	123	72
595	GS-14-116	7740948	13943	-0.5	0.41	0.2	273	-1	26	2.6	142	87
596	GS-14-118	7740949	3256	-0.5	0.21	2.2	1148	6	11	1.4	98	79
597	GS-14-120	7740951	3658	-0.5	0.24	75.8	383	5	15	1.8	111	122
598	GS-14-128	7740952	3566	-0.5	0.22	0.5	220	-1	12	1.7	95	40
599	GS-14-129	7740953	4913	-0.5	0.17	0.8	137	-1	12	1.3	75	104
600	GS-14-130	7740954	1241	-0.5	0.09	2.6	7	-1	7	0.7	30	143
601	GS-14-131	7740955	3859	-0.5	0.16	0.9	114	-1	10	0.9	70	106
602	GS-14-132	7740956	1568	-0.5	0.09	0.3	75	3	5	0.5	69	32
603	GS-14-135	7740957	2833	-0.5	0.18	0.6	145	2	10	1.1	86	49
604	GS-14-137	7741521	-99	-99	-99	10.5	49	-3	29	2.4	31	170
605	GS-14-138	7741522	-99	-99	-99	469	207	-3	39	3	88	250
606	GS-14-139	7741523	-99	0.5	0.58	205	469	4	40	3.6	220	181
607	GS-14-140	7741524	-99	-99	-99	269	196	-3	36	3.5	145	220
608	GS-14-142	7740958	5425	-0.5	0.29	-0.1	227	2	13	1.8	85	47
609	GS-14-143	7741525	-99	-99	-99	1340	242	-3	38	3.5	87	157
610	GS-14-144	7741526	-99	-99	-99	22.3	146	-3	20	2.1	47	210
611	GS-14-145	7741527	-99	-99	-99	8.7	34	-3	20	2.2	30	197
612	GS-14-146	7741528	-99	-99	-99	2	60	-3	20	1.7	34	282
613	GS-14-147	7741529	-99	-99	-99	103	254	-3	25	2.6	105	243
614	GS-14-148	7741531	-99	-99	-99	402	476	-3	27	2.8	707	186
615	GS-14-149	7741532	-99	-99	-99	18.9	276	-3	23	2.9	53	218
616	GS-14-151	7741533	-99	0.4	0.36	188	198	2	23	2.3	80	136
617	GS-14-152	7741534	-99	0.2	0.3	79.8	139	2	20	1.9	90	119
618	GS-14-157	7741535	-99	-0.1	0.18	127	173	1	11	1.2	40	26
619	GS-14-158	7741536	-99	-0.1	0.38	6.3	45	-1	23	2.5	-30	147
620	GS-14-159	7741537	-99	0.3	0.43	154	186	1	28	2.6	190	66
621	GS-14-160	7740963	1217	-0.5	0.47	6.2	33	1	27	3.0	18	192
622	GS-14-161	7741003	1775	0.5	0.41	7.0	62	2	28	2.7	50	323
623	GS-14-162	7741538	-99	-99	-99	7.1	30	-3	32	3.3	40	260
624	GS-14-164	7741539	-99	-99	-99	-0.5	423	-3	19	2	143	116
625	GS-14-165	7741541	-99	-99	-99	3.3	308	-3	14	1.6	82	118
626	GS-14-166	7741542	-99	-99	-99	1.5	226	-3	20	1.9	63	263
627	GS-14-167	7741543	-99	-99	-99	19.1	24	-3	10	0.4	10	6

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
628	GS-14-169	7740964	1828	-0.5	0.21	2.5	17	-1	11	1.4	43	186
629	GS-14-170	7740965	1857	-0.5	0.22	2.2	26	-1	15	1.6	45	245
630	GS-14-171	7740966	2367	-0.5	-0.05	0.4	43	-1	4	0.5	52	227
631	GS-14-172	7740967	1442	1.4	0.19	0.6	19	-1	11	1.2	49	89
632	GS-14-173	7740968	7854	-0.5	0.33	1.1	305	191	18	2.3	156	95
633	GS-14-174	7740969	932	-0.5	0.21	4.1	7	3	12	1.4	22	190
634	GS-14-176	7740971	7582	-0.5	0.52	6.8	229	2	29	3.9	63	203
635	GS-14-177	7740972	4593	-0.5	0.21	0.5	257	1	13	1.5	92	39
636	GS-14-179	7741544	-99	1	0.41	2370	5731	2	22	2.7	70	95
637	GS-14-180	7740973	830	0.5	0.17	3.9	86	2	11	1.1	23	129
638	GS-14-181	7740974	5595	1.4	0.28	-0.1	282	1	16	2.0	89	50
639	GS-14-182	7741004	5762	1.0	0.21	6.8	234	1	16	1.4	180	125
640	GS-14-183	7741545	-99	-99	-99	18.8	-5	-3	24	2.2	9	36
641	GS-14-184	7740975	2742	-0.5	0.08	0.3	29	-1	5	0.3	56	158
642	GS-14-185	7741546	-99	-99	-99	9.4	11	-3	19	2.1	73	59
643	GS-14-186	7740976	2092	-0.5	-0.05	0.4	21	-1	2	0.2	34	156
644	GS-14-187	7741547	-99	-99	-99	8.3	5	-3	3	-0.1	10	49
645	GS-14-188	7740977	2282	-0.5	0.23	1.7	31	-1	13	1.5	55	470
646	GS-14-189	7741548	-99	-99	-99	13.7	79	-3	10	1.1	88	101
647	GS-14-191	7741549	-99	-99	-99	8.5	9	-3	10	1.5	10	114
648	GS-14-192	7740978	3397	-0.5	0.17	0.5	53	-1	11	1.1	87	274
649	GS-14-193	7741551	-99	-99	-99	1.3	204	-3	15	1.5	55	166
650	GS-14-194	7741552	-99	-99	-99	4.8	225	-3	14	1.8	258	116
651	GS-14-195	7741553	-99	-99	-99	6.7	6	-3	11	1.4	20	152
652	GS-14-197	7740979	3674	-0.5	0.24	1.5	124	-1	11	1.3	61	69
653	GS-14-198	7740981	3524	-0.5	0.20	1.0	136	-1	12	1.5	62	79
654	GS-14-199	7740982	1318	-0.5	0.35	2.2	10	1	23	2.9	44	256
655	GS-14-200	7740983	1240	-0.5	0.58	3.8	-5	2	25	3.3	27	168
656	GS-14-201	7740984	1412	0.7	0.60	5.9	21	2	29	4.0	22	177
657	GS-14-203	7740985	1244	-0.5	0.50	4.2	-5	3	24	2.9	27	157
658	GS-14-207	7741554	-99	1.4	2.02	2990	109	16	98	15.4	-30	260
659	GS-14-208	7741555	-99	1	0.23	11.2	212	-1	13	1.5	90	106
660	GS-14-209	7741556	-99	0.9	0.35	305	285	2	20	2.3	140	122
661	GS-14-210	7741557	-99	2.9	0.32	514	298	1	20	2	120	137
662	GS-14-211	7741558	-99	1.1	0.26	5.9	252	3	17	1.6	110	100
663	GS-14-212	7741559	-99	0.3	0.21	103	41	-1	13	1.4	-30	230
664	GS-14-220	7740986	2499	-0.5	0.71	8.3	12	8	42	4.3	97	517
665	GS-14-221	7741561	-99	0.7	0.64	6.4	39	-1	37	4.1	-30	189
666	GS-14-222	7741562	-99	0.8	0.56	5.4	12	1	30	3.7	-30	179
667	GS-14-223	7741563	-99	-0.1	0.91	10.3	147	2	50	5.9	-30	148
668	GS-14-224	7741564	-99	0.2	0.82	31.8	20	2	54	5.2	100	202
669	GS-14-225	7741565	-99	1.1	0.73	25.4	10	1	41	4.7	-30	185
670	GS-14-226	7741566	-99	1.3	0.35	4.9	-5	-1	20	2.6	-30	77
671	GS-14-227	7740987	2286	-0.5	0.13	3.2	26	1	9	0.7	65	147
672	GS-14-230	7740988	3564	-0.5	1.30	159.3	40	3	72	8.6	72	745
673	GS-14-232	7740989	1976	-0.5	1.10	21.9	12	3	58	6.3	100	455
674	GS-14-240	7741567	-99	-0.1	0.97	1070	80	-1	62	5.9	100	594
675	GS-14-241	7741568	-99	0.6	0.75	15.8	14	-1	45	4.6	90	507
676	GS-14-242	7741569	-99	-0.1	1.05	44.7	14	2	64	6.8	70	308
677	GS-14-243	7741571	-99	-0.1	1.34	562	27	-1	76	8.9	90	462
678	GS-14-244	7741572	-99	-0.1	0.72	120	48	-1	44	4.7	70	581
679	GS-14-245	7740991	2220	-0.5	0.12	0.6	109	-1	6	0.9	71	54
680	GS-14-246	7740992	4680	-0.5	0.46	2.8	59	2	31	3.9	64	438
681	GS-14-247	7740993	3232	-0.5	0.20	1.0	130	1	12	1.4	76	77
682	GS-14-248	7741573	-99	-0.1	0.41	1090	312	-1	25	2.7	70	341
683	GS-14-249	7740994	661	0.8	0.93	11.1	25	-1	42	4.8	33	209
684	GS-14-252	7740995	3277	-0.5	1.28	4.6	15	-1	76	9.0	78	755

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ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
685	GS-15-015	7741017	3880	-0.5	0.24	2.5	116	1	15	1.6	37	177
686	GS-15-016	7741018	765	-0.5	0.54	3.1	6	1	35	3.8	6	348
687	GS-15-017	7741019	4406	-0.5	0.32	3.5	90	1	17	2.3	65	230
688	GS-15-018	7741021	1657	-0.5	0.56	2.2	17	3	35	3.1	11	455
689	GS-15-019	7741022	31384	-0.5	0.28	0.4	410	2	22	1.5	142	323
690	GS-15-020	7741023	2627	-0.5	0.25	-0.1	255	2	14	1.6	70	39
691	GS-15-022	7741024	829	-0.5	0.17	0.5	186	1	10	1.0	56	39
692	GS-15-027	7741025	6637	-0.5	0.27	-0.1	206	1	18	1.8	96	55
693	GS-15-028	7741574	-99	-99	-99	490	2313	-3	18	-0.1	93	121
694	GS-15-029	7741026	14414	-0.5	0.40	-0.1	326	-1	26	2.4	141	86
695	GS-15-032	7741027	3582	-0.5	0.22	-0.1	254	-1	13	1.4	50	37
696	GS-15-033	7741028	4792	-0.5	0.21	-0.1	273	-1	13	1.5	76	40
697	GS-15-034	7741029	3762	-0.5	0.23	9.7	1041	1	13	1.6	107	68
698	GS-15-035	7741159	1444	-0.5	0.17	6.4	523	5	10	1.3	125	44
699	GS-15-037	7741575	-99	-99	-99	30.3	2638	-3	11	1.6	108	72
700	GS-15-039	7741031	2190	-0.5	0.19	14.6	1014	7	12	1.2	199	136
701	GS-15-040	7741576	-99	-99	-99	109	745	-3	7	1.1	102	75
702	GS-15-041	7741032	5665	-0.5	0.17	6.7	140	-1	11	0.9	117	80
703	GS-15-043	7741033	5433	-0.5	0.28	-0.1	307	-1	15	1.8	82	44
704	GS-15-045	7741577	-99	-99	-99	172	339	-3	11	0.9	87	29
705	GS-15-046	7741034	34699	-0.5	0.29	0.5	423	-1	24	1.5	131	334
706	GS-15-048	7741035	2979	-0.5	0.10	-0.1	121	-1	7	0.6	87	34
707	GS-15-049	7741036	6453	-0.5	0.28	1.5	348	2	16	1.8	144	51
708	GS-15-050	7741578	-99	-99	-99	172	1065	-3	22	1.6	79	62
709	GS-15-051	7741037	14257	-0.5	0.51	17.5	657	2	32	3.4	161	181
710	GS-15-053	7741038	20224	-0.5	0.73	21.2	661	4	41	5.0	355	241
711	GS-15-054	7741579	-99	-99	-99	1080	1103	-3	14	-0.1	56	72
712	GS-15-055	7741041	2026	-0.5	0.18	15.2	769	6	12	1.2	203	90
713	GS-15-056	7741042	2940	-0.5	0.19	26.3	3649	6	11	1.3	99	62
714	GS-15-057	7741043	5517	-0.5	0.28	-0.1	294	-1	15	1.7	79	47
715	GS-15-058	7741581	-99	0.6	1.39	9.9	14	1	91	9.1	50	330
716	GS-15-059	7741582	-99	-0.1	0.43	92.0	96	1	30	3.1	110	417
717	GS-15-061	7741044	3421	-0.5	0.19	0.7	147	1	10	1.2	35	71
718	GS-15-062	7741045	2093	-0.5	0.12	1.7	36	1	7	0.7	25	142
719	GS-15-063	7741046	507	-0.5	0.62	8.2	4	1	35	4.4	16	208
720	GS-15-064	7741047	568	-0.5	0.77	9.2	3	2	36	5.6	17	100
721	GS-15-065	7741048	3137	-0.5	0.79	7.0	94	3	46	5.2	25	505
722	GS-15-066	7741049	3442	-0.5	0.15	0.4	146	1	9	0.8	54	65
723	GS-15-067	7741583	-99	-0.1	1.73	172	110	4	104	12.5	40	785
724	GS-15-068	7741051	2957	-0.5	0.60	4.1	12	-1	33	3.8	63	439
725	GS-15-069	7741052	3416	-0.5	0.71	3.9	13	-1	42	4.6	41	469
726	GS-15-070	7741053	12831	-0.5	0.30	1.6	189	-1	23	1.9	171	165
727	GS-15-071	7741584	-99	-0.1	1.02	-1000	189	-1	72	7	90	456
728	GS-15-072	7741055	3326	-0.5	0.62	3.8	15	-1	38	4.1	59	443
729	GS-15-073	7741056	3854	-0.5	0.59	7.7	27	-1	35	4.3	32	434
730	GS-15-074	7741057	543	-0.5	0.76	6.3	2	-1	43	5.5	13	225
731	GS-15-075	7741058	4060	-0.5	0.99	43.2	17	-1	53	6.2	162	468
732	GS-15-076	7741059	3509	-0.5	0.66	3.9	12	-1	40	4.7	94	430
733	GS-15-077	7741061	1436	-0.5	1.52	5.6	1	-1	91	10.2	404	437
734	GS-15-078	7741062	3065	-0.5	0.79	3.5	13	-1	40	5.6	71	432
735	GS-15-079	7741585	-99	1.1	0.38	74.7	55	-1	26	2.8	80	177
736	GS-15-080	7741586	-99	1	0.71	226	120	-1	45	4.6	40	283
737	GS-15-082	7741063	2116	-0.5	0.60	3.9	5	-1	34	3.9	64	449
738	GS-15-083	7741064	2821	-0.5	0.67	1.6	21	-1	39	4.2	40	340
739	GS-15-084	7741065	2625	-0.5	0.64	3.6	6	-1	38	4.1	62	572
740	GS-15-085	7741066	2345	-0.5	0.71	3.9	6	-1	41	4.7	84	463
741	GS-15-086	7741067	9261	-0.5	0.40	0.9	141	-1	29	2.6	130	287

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
742	GS-15-087	7741068	957	-0.5	0.36	9.3	13	-1	20	2.6	22	110
743	GS-15-088	7741587	-99	0.2	0.93	77.3	27	-1	54	6.2	90	463
744	GS-15-089	7741588	-99	-0.1	0.61	372	36	-1	39	4.1	100	432
745	GS-15-090	7741069	4317	-0.5	0.82	4.5	11	-1	49	5.5	78	471
746	GS-15-091	7741071	2494	-0.5	0.84	4.6	23	-1	51	6.0	34	474
747	GS-15-092	7741072	1514	-0.5	0.59	3.0	2	-1	35	4.1	36	310
748	GS-15-093	7741073	1320	-0.5	0.50	3.8	2	-1	33	3.4	65	316
749	GS-15-094	7741074	1142	-0.5	1.38	7.4	8	3	78	9.5	59	287
750	GS-15-095	7741075	2596	-0.5	0.70	4.0	7	-1	41	4.7	84	515
751	GS-15-096	7741076	2465	-0.5	0.73	4.9	7	-1	40	5.0	80	481
752	GS-15-097	7741077	1778	-0.5	1.15	10.9	54	-1	61	8.3	27	518
753	GS-15-098	7741078	2963	-0.5	0.68	5.8	54	-1	41	5.0	15	554
754	GS-15-099	7741079	2614	-0.5	0.53	15.5	25	4	34	3.5	51	491
755	GS-15-100	7741081	2919	-0.5	0.63	5.0	14	2	39	4.3	76	463
756	GS-15-101	7741082	2956	-0.5	0.63	4.3	20	2	39	4.1	151	426
757	GS-15-102	7741083	2348	-0.5	0.53	4.7	16	2	31	3.6	54	459
758	GS-15-103	7741084	3278	-0.5	0.65	4.3	13	1	40	4.6	61	434
759	GS-15-104	7741085	3269	-0.5	0.54	4.6	15	2	32	3.8	69	442
760	GS-15-105	7741086	3195	-0.5	0.62	4.2	16	1	35	4.1	51	398
761	GS-15-106	7741087	461	-0.5	0.44	7.8	2	-1	24	3.4	29	84
762	GS-15-107	7741088	3358	-0.5	0.59	4.7	33	-1	38	4.2	79	457
763	GS-15-108	7741089	2203	-0.5	0.50	17.1	38	1	34	3.5	57	436
764	GS-15-109	7741091	2738	-0.5	0.58	3.2	12	1	34	3.9	66	485
765	GS-15-111	7741092	2667	-0.5	0.62	8.2	17	2	38	4.2	62	389
766	GS-15-112	7741093	1944	-0.5	0.49	3.2	17	-1	29	3.2	54	380
767	GS-15-114	7741094	2353	-0.5	0.50	4.8	66	1	31	3.6	69	509
768	GS-15-115	7741095	470	-0.5	0.75	4.9	8	-1	45	5.2	61	184
769	GS-15-117	7741096	2882	-0.5	1.71	13.9	89	-1	96	11.4	87	834
770	GS-15-118	7741097	2581	-0.5	0.64	7.7	141	-1	39	4.6	219	488
771	GS-15-119	7741589	-99	-0.1	1.06	109	135	1	64	7.1	140	688
772	GS-15-121	7741591	-99	0.2	2.88	91.3	81	55	218	17.8	-30	348
773	GS-15-122	7741592	-99	0.5	0.87	112	88	-1	56	5.7	60	590
774	GS-15-123	7741099	998	-0.5	0.43	3.4	5	-1	25	2.9	17	176
775	GS-15-124	7741101	5556	-0.5	0.52	2.3	64	-1	34	3.5	61	418
776	GS-15-126	7741102	2220	-0.5	0.48	1.8	11	-1	30	3.4	21	609
777	GS-15-128	7741103	6917	-0.5	0.42	24.7	185	-1	29	2.7	91	338
778	GS-15-129	7741104	6019	-0.5	0.55	90.1	185	-1	36	3.1	121	453
779	GS-15-130	7741105	5414	-0.5	0.15	2.6	165	-1	10	1.0	115	95
780	GS-15-131	7741106	2769	-0.5	1.06	7.9	35	-1	64	7.1	37	453
781	GS-15-132	7741107	1391	-0.5	1.99	16.4	16	-1	118	13.5	22	681
782	GS-15-133	7741108	5039	-0.5	0.83	5.6	28	-1	48	5.5	91	585
783	GS-15-135	7741109	859	-0.5	0.69	1.4	4	-1	38	5.1	14	259
784	GS-15-136	7741111	1663	-0.5	0.75	4.8	38	-1	47	5.5	103	235
785	GS-15-138	7741112	1665	-0.5	1.31	8.3	1	-1	76	9.0	77	657
786	GS-15-139	7741113	600	-0.5	0.73	6.2	5	-1	47	5.6	17	132
787	GS-15-141	7741593	-99	-99	-99	1060	202	-3	29	-0.1	129	654
788	GS-15-142	7741594	-99	-0.1	0.48	570	404	1	32	3.1	220	430
789	GS-15-143	7741114	7066	-0.5	0.26	3.2	199	-1	18	2.0	180	69
790	GS-15-144	7741115	5325	-0.5	0.80	5.1	36	-1	48	5.6	89	578
791	GS-15-145	7741595	-99	-0.1	0.53	179	152	1	33	3.4	220	377
792	GS-15-147	7741116	3636	-0.5	0.35	5.6	53	-1	21	2.4	81	246
793	GS-15-148	7741117	6691	-0.5	0.39	102.7	196	-1	26	2.9	168	364
794	GS-15-149	7741118	5911	-0.5	0.24	9.4	122	-1	16	1.7	91	133
795	GS-15-150	7741119	5074	-0.5	0.20	3.0	177	-1	13	1.5	97	95
796	GS-15-151	7741121	990	-0.5	0.59	6.3	8	-1	32	3.9	43	319
797	GS-15-152	7741122	1212	-0.5	0.89	5.9	8	2	56	6.0	24	278
798	GS-15-153	7741123	1009	-0.5	0.70	16.8	13	6	38	4.9	38	257

Open File LAB/1692 - Appendix A: Compilation of Select Geochemical Analyses, Analyzed by Various Techniques

ID	SampleNum	LabNum	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						1000 to 10000	1000					
Lower Detection Limit				0.05	0.05,			0.1		0.1	0.2 to	
			1, 100	to 0.5	0.1	0.1, 0.5	1 to 5	to 3	0.1, 1	to 2	50	1, 4
799	GS-15-154	7741124	11393	-0.5	0.51	20.8	746	7	35	3.3	648	97
800	GS-15-155	7741125	2167	-0.5	0.90	19.7	303	5	44	5.8	94	294
801	GS-15-156	7741596	-99	-99	-99	518	491	-3	33	3	96	325
802	GS-15-158	7741597	-99	-99	-99	2430	1224	-3	35	1.4	220	141
803	GS-15-159	7741598	-99	-99	-99	169	775	-3	26	2.7	78	195
804	GS-15-160	7741599	-99	-99	-99	2710	2555	-3	41	-0.1	296	218
805	GS-15-161	7741601	-99	-99	-99	3490	282	-3	47	-0.1	74	265
806	GS-15-162	7741602	-99	-99	-99	19.5	32	-3	26	2	17	144
807	GS-15-163	7741126	2033	-0.5	0.23	2.7	192	2	14	1.6	184	69
808	GS-15-164	7741127	1377	-0.5	0.20	-0.1	133	2	13	1.1	39	20
809	GS-15-165	7741128	5713	-0.5	0.22	4.2	168	3	18	1.4	112	267
810	GS-15-166	7741603	-99	-99	-99	1090	211	-3	33	-0.1	98	253
811	GS-15-167	7741129	5521	-0.5	0.43	3.0	109	2	27	2.8	63	242
812	GS-15-168	7741131	3058	-0.5	0.14	2.5	3	2	6	1.0	6	283
813	GS-15-169	7741132	16529	-0.5	0.67	0.6	267	1	41	4.5	158	252
814	GS-15-170	7741133	2349	-0.5	0.36	3.7	23	2	22	2.6	31	239
815	GS-15-171	7741134	4504	-0.5	0.18	0.5	181	1	12	1.2	65	74
816	GS-15-172	7741135	4436	-0.5	0.29	1.0	190	1	16	1.7	74	76
817	GS-15-173	7741136	2203	-0.5	0.82	3.6	11	2	46	5.1	40	462
818	GS-15-174	7741604	-99	3.9	1.24	56.5	53	3	56	9.2	420	935
819	GS-15-175	7741605	-99	2.4	0.96	19	10	2	40	7.1	-30	944
820	GS-15-176	7741606	-99	2.3	1.57	12.6	8	1	83	11.4	-30	791
821	GS-15-177	7741137	1097	-0.5	1.91	55.1	119	2	101	12.3	198	1100
822	GS-15-178	7741138	774	-0.5	1.05	46.6	21	1	65	7.7	20	667
823	GS-15-180	7741607	-99	-99	-99	383	12	-3	13	-0.1	186	264
824	GS-15-181	7741608	-99	0.8	1.6	129	52	4	80	11.1	40	783
825	GS-15-182	7741609	-99	2.6	1.33	377	327	2	85	8.1	290	286
826	GS-15-183	7741139	864	-0.5	0.42	7.2	56	-1	26	3.2	17	282
827	GS-15-184	7741141	659	-0.5	0.26	12.3	19	-1	19	2.4	18	193
828	GS-15-186	7741611	-99	-99	-99	788	51	-3	41	-0.1	7080	236
829	GS-15-188	7741612	-99	1	2.65	373	95	-1	169	17.9	70	901
830	GS-15-190	7741142	1515	-0.5	0.52	12.1	6	3	33	4.3	36	377
831	GS-15-191	7741143	1016	-0.5	0.25	8.3	6	1	21	2.5	38	157
832	GS-15-192	7741613	-99	-0.1	0.38	334	5887	-1	24	2.7	170	199
833	GS-15-193	7741614	-99	-0.1	0.66	110	41	2	42	4.3	40	1076
834	GS-15-195	7741615	-99	-99	-99	972	377	-3	28	-0.1	161	151
835	GS-15-196	7741144	2758	-0.5	0.16	11.3	169	-1	16	1.6	118	139
836	GS-15-197	7741145	535	-0.5	0.74	7.0	23	-1	50	5.8	28	207
837	GS-15-198	7741146	2347	-0.5	0.52	11.1	451	2	34	4.6	30	537
838	GS-15-199	7741147	29491	-0.5	0.20	0.6	389	-1	26	1.6	132	329
839	GS-15-200	7741148	28722	-0.5	0.19	0.7	372	-1	27	1.7	125	327
840	GS-15-201	7741149	218	-0.5	-0.05	-0.1	24	-1	4	0.2	37	7
841	GS-15-202	7741151	1245	-0.5	0.18	1.8	28	-1	17	1.8	12	173
842	GS-15-203	7741616	-99	-99	-99	146	450	-3	13	-0.1	104	46
843	GS-15-204	7741152	3041	-0.5	0.14	0.2	212	-1	13	1.3	113	51
844	MG-15-011	7741617	-99	-99	-99	7.6	288	-3	14	2.1	78	49
845	MG-15-015	7741618	-99	-99	-99	7.2	1054	-3	13	1.7	99	44
846	MG-15-018	7741619	-99	-99	-99	15.2	262	-3	20	2	66	69
847	MG-15-019	7741621	-99	-99	-99	8	300	-3	16	2	76	88
848	MG-15-020	7741622	-99	-99	-99	10.6	1453	-3	15	2	89	109
849	MG-15-023	7741623	-99	-99	-99	69.6	729	-3	12	1.5	79	49
850	MG-15-025	7741624	-99	-99	-99	2010	1189	-3	17	-0.1	144	57
851	MG-15-027	7741625	-99	-99	-99	114	863	-3	10	1.3	93	37
852	MG-15-028	7741626	-99	-99	-99	12.2	661	-3	10	1.4	64	52
853	MG-15-030	7741627	-99	-99	-99	11.4	449	-3	20	1.9	37	157
854	MG-15-032	7741628	-99	-99	-99	350	214	-3	11	-0.1	122	121

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Upper Detection Limit												
Lower Detection Limit												
Analysis Method												
GS-07-004	7741181	2007	359920	6113210	21	NAD27	13O/03	Core	A-3-2	29.00	29.20	Fine-grained mafic dyke intruding tuff with mineralization developed marginal to dyke
GS-07-012	7741184	2007	361040	6111550	21	NAD27	13O/03	Core	A-7-2	38.72	39.32	Transition into grey-green altered tuff adjacent to hematized zone
GS-07-013	7741185	2007	361040	6111550	21	NAD27	13O/03	Core	A-7-2	39.32	40.80	Mineralized zone developed marginal to mafic dyke; hematized fractures with up to 245 cps
GS-07-040	7741191	2007	361040	6111520	21	NAD27	13O/03	Core	A-7-4	56.58	57.28	Strongly magnetic, massive hematitic alteration; zone contains up to 1880 cps
GS-07-041	7741192	2007	361020	6111540	21	NAD27	13O/03	Core	A-7-1	19.03	19.53	Fine-grained mafic dyke
GS-07-043	7741193	2007	361020	6111540	21	NAD27	13O/03	Core	A-7-1	23.90	24.28	Strongly magnetic, massive hematitic alteration; zone contains up to 420 cps
GS-07-048	7741194	2007	233121	6047112	21	NAD27	13K/11	Core	51543	12.25	12.30	Hematite altered granodiorite-tonalite, with up to 300 cps; moderate fracturing
GS-07-051	7741196	2007	233121	6047112	21	NAD27	13K/11	Core	51543	31.54	32.14	Unmineralized granodiorite-tonalite
GS-07-056	7741198	2007	230377	6054491	21	NAD27	13K/11	Core	CMB-06-01	73.10	73.50	Fine-grained mafic dyke with weak carbonate alteration
GS-07-062	7741201	2007	233069	6047169	21	NAD27	13K/11	Core	51568	37.71	38.11	Granodiorite-tonalite with weak hematite alteration; rare hematized fractures with trace pyrite
GS-07-071	7741206	2007	361100	6111540	21	NAD27	13O/03	Core	A-7-7	102.56	103.06	Metasediment with up to 260 cps
GS-07-089	7741212	2007	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	264.00	264.52	Mineralized cataclastic breccia with strong hematite alteration
GS-07-092	7741213	2007	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	330.29	330.94	Pervasive hematite-carbonate alteration
GS-07-103	7741217	2007	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	275.00	275.80	Mineralized cataclastic breccia with moderate hematite alteration with up to 525 cps
GS-07-112	7741218	2007	394405	6071317	21	NAD27	13J/15	Grab	07G.W.S.041			Fine-grained mafic dyke
GS-07-116	7741222	2007	314915	6056295	21	NAD27	13J/12	Core	SP-06-04	69.04	69.34	Unaltered intemediate dyke
GS-07-117	7741223	2007	314915	6056295	21	NAD27	13J/12	Core	SP-06-04	71.79	72.48	Hematized, uraniferous intermediate volcanic
GS-07-121	7741224	2007	314915	6056295	21	NAD27	13J/12	Core	SP-06-10	140.14	140.60	Medium-grained dioritic dyke crosscuts hematitic alteration. Up to 400 cps @ contact with dyke and <140 cps in dyke
GS-07-124	7741226	2008	317647	6058601	21	NAD27	13J/12	Grab	07G.W.S.050			Hematite altered porphyritic felsic metavolcanic
GS-07-125	7741227	2007	317647	6058601	21	NAD27	13J/12	Grab	07G.W.S.050			Relatively unaltered porphyritic felsic metavolcanic, with localized uranophane staining along fracture
GS-07-126	7741228	2007	250907	6047565	21	NAD27	13K/10	Grab	07G.W.S.051			Poorly sorted pebble conglomerate hosting uranium mineralization
GS-07-129	7741231	2007	252197	6037270	21	NAD27	13K/07	Grab	07G.W.S.056			Fracture-hosted uranium mineralization within felsic metavolcanic
GS-07-139	7741237	2007	231695	6008519	21	NAD27	13K/03	Grab	07G.W.S.011			Quartz-phyric metavolcanic hosting elevated radioactivity
GS-07-141	7741239	2007	227647	6049621	21	NAD27	13K/11	Grab	07G.W.S.016			Hematized granodiorite
GS-07-154	7741248	2007	358696	6090856	21	NAD27	13J/14	Grab	07G.W.S.063			Hematitic alteration hosting anomalous radioactivity
GS-07-157	7741249	2007	340530	6097405	21	NAD27	13J/14	Grab	07G.W.S.067			Pyrite-rich argillite hosting elevated radioactivity
GS-07-206	7741258	2007	243591	6043824	21	NAD27	13K/07	Core	ML-55	4.27	4.47	Hematitic hydrothermal breccia
GS-07-212	7741259	2007	243591	6043824	21	NAD27	13K/07	Core	ML-55	44.86	45.26	Hematized chert with up to 1000 cps
GS-07-221	7741261	2007	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	303.08	303.58	Hematized intermediate metavolcanic hosting uranium mineralization
GS-07-227	7741262	2007	333035	6066263	21	NAD27	13J/12	Core	JL-06-13	88.05	88.40	Chloritite altered intermediate volcanic
GS-07-255	7741265	2007	307400	6052550	21	NAD27	13J/12	Core	M-06-13	434.82	435.28	Hematized coarsely porphyritic metarhyolite
GS-07-256	7741266	2007	331802	6087492	21	NAD27	13J/13	Grab	07G.W.S.077			Uraniferous metasedimentary rock
GS-07-262	7741271	2007	382610	6072221	21	NAD27	13J/15	Grab	07G.W.S.087			Unmineralized fine-grained granodiorite; weak to moderately magnetic; background ~200-225cps
GS-07-263	7741272	2007	382610	6072221	21	NAD27	13J/15	Grab	07G.W.S.087			Mineralized fine-grained granodiorite; moderately to strongly magnetic with strong hematite alteration
GS-07-272	7741277	2007	238940	6039273	21	NAD27	13K/06	Grab	07G.W.S.039			Hematized/iron-carbonate altered basalt containing elevated radioactivity
GS-08-003	7741293	2008	239078	6038995	21	NAD27	13K/06	Core	51549	1.15	1.65	Hematitic/iron carbonate alteration hosting anomalous radioactivity
GS-08-019	7741296	2008	340900	6097160	21	NAD27	13J/14	Core	B-42	18.62	19.02	Argillite
GS-08-021	7741297	2008	340900	6097160	21	NAD27	13J/14	Core	B-42	24.89	25.13	Metabasalt
GS-08-022	7741298	2008	340900	6097160	21	NAD27	13J/14	Core	B-42	25.52	25.74	Mineralized mafic metavolcanic with up to 680 cps
GS-08-023	7741299	2008	340900	6097160	21	NAD27	13J/14	Core	B-42	27.53	28.03	Mineralized mafic metavolcanic with carbonate veining; contains up to 1400 cps
GS-08-026	7741301	2008	340900	6097160	21	NAD27	13J/14	Core	B-21	14.08	14.58	Unmineralized argillite
GS-08-031	7741303	2008	340900	6097160	21	NAD27	13J/14	Core	B-21	86.40	86.80	Garnetiferous argillite
GS-08-033	7741304	2008	340900	6097160	21	NAD27	13J/14	Core	B-21	110.08	110.58	Quartz-feldspar porphyry
GS-08-034	7741305	2008	340900	6097160	21	NAD27	13J/14	Core	B-21	110.58	110.80	Quartz-feldspar porphyry containing fracture-hosted mineralization associated with up to 250 cps
GS-08-058	7741317	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	87.47	87.87	Brecciated hematitic/iron carbonate alteration
GS-08-059	7741318	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	88.70	89.13	Weakly hematized chert
GS-08-060	7741319	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	90.98	91.25	Strongly hematized chert
GS-08-061	7741321	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	92.98	93.29	Weakly hematized chert
GS-08-062	7741322	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	94.49	94.98	Hematized, variably brecciated, mafic volcanic
GS-08-064	7741323	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	117.60	118.10	Hematite-carbonate alterted breccia
GS-08-065	7741324	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	118.93	119.40	Transition from hematite-carbonate dominated to iron carbonate alteration
GS-08-066	7741325	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	120.67	121.12	Massive iron carbonate alteration of the Lower Shear Zone
GS-08-135	7741336	2008	226732	6037793	21	NAD27	13K/06	Grab	08G.W.S.098			Iron formation containing up to 1400 cps
GS-08-192	7741351	2008	306492	6051177	21	NAD27	13J/12	Core	M-07-75	660.87	661.35	"Bleached" siliceous zone within felsic metavolcanic containing 1-2% magnetite
GS-08-202	7741353	2008	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	1093.44	1093.83	Pale grey, moderately porphyritic felsic metavolcanic (20-30% phenocrysts)

Open File LAB/1692 - Appendix B1: Raw Data and Detection Limits - Actlabs: 4E-Exploration

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Upper Detection Limit												
Lower Detection Limit												
Analysis Method												
GS-08-203	7741354	2008	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	1119.14	1119.48	Hematitic alteration associated with up to 200 cps
GS-08-211	7741355	2008	307146	6051898	21	NAD27	13J/12	Core	M-07-072	358.98	359.40	Uranium mineralization developed immedatly below porphyritic metavolcanic/dyke contact
GS-08-212	7741356	2008	307146	6051898	21	NAD27	13J/12	Core	M-07-072	423.36	428.80	Weakly mineralized, weakly porphyritic felsic metavolcanic, with up to 210 cps
GS-08-213	7741357	2008	307146	6051898	21	NAD27	13J/12	Core	M-07-072	424.70	425.10	Strongly mineralized, weakly porphyritic felsic metavolcanic, with up to 800 cps
GS-08-214	7741358	2008	307146	6051898	21	NAD27	13J/12	Core	M-07-072	428.15	428.44	Mineralized porphyritic felsic metavolcanic, with up to 480 cps; no visible hematite alteration
GS-08-218	7741361	2008	307146	6051898	21	NAD27	13J/12	Core	M-07-072	554.13	554.61	Strongly hematized, coarsely porphyritic, metarhyolite, with up to 2090 cps
GS-08-219	7741362	2008	306546	6061654	21	NAD27	13J/12	Core	M-07-11	57.00	57.30	Medium-grained albitized granite, with up to 530 cps
GS-08-220	7741363	2008	306546	6061654	21	NAD27	13J/12	Core	M-07-11	65.46	65.91	Unmineralized, medium-grained granite
GS-08-228	7741366	2008	332769	6065965	21	NAD27	13J/12	Core	JL-07-058A	190.97	191.51	Amphibole veining within intermediate metavolcanic, up to 400 cps
GS-08-237	7741368	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	202.69	203.29	Quartz-feldspar porphyry dyke
GS-08-239	7741371	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	215.35	215.65	Fine-grained, unmineralized, intermediate metavolcanic
GS-08-240	7741372	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	216.15	216.40	Amphibole veining within intermediate metavolcanic, up to 700 cps
GS-08-241	7741373	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	216.40	216.65	Rare amphibole veining within intermediate metavolcanic
GS-08-252A	7741382	2008	362485	6093306	21	NAD27	13J/14	Grab	08G.W.S.002			Hematite-albite alteration within felsic metavolcanic with up to 4600 cps
GS-08-255	7741384	2008	362610	6093727	21	NAD27	13J/14	Grab	08G.W.S.005			Hematite-albite alteration within felsic metavolcanic with up to 3000 cps
GS-08-269	7741395	2008	340763	6097165	21	NAD27	13J/14	Grab	08G.W.S.025			Feldspar porphyry dyke, which crosscuts mineralization
GS-08-270	7741396	2008	340763	6097165	21	NAD27	13J/14	Grab	08G.W.S.025			Feldspar porphyry near contact with argillite; sample contains uranophane staining along fractures
GS-08-294	7741417	2008	246870	6044969	21	NAD27	13K/07	Core	ML-BZ-04	30.48	31.11	Red, fine-grained sandstone
GS-08-296	7741418	2008	246870	6044969	21	NAD27	13K/07	Core	ML-BZ-04	75.28	75.82	Unmineralized, relatively unaltered, carbonate-rich, fine-grained mafic dyke
GS-09-004	7741423	2009	230228	6054210	21	NAD27	13K/11	Core	CMB-07-14	255.28	255.46	Mineralized, hemaitite altered breccia
GS-09-008	7741424	2009	230228	6054210	21	NAD27	13K/11	Core	CMB-07-14	287.50	288.30	Carbonate altered fine-grained granodiorite/tonalite with moderate network hematite fracturing
GS-09-017	7741425	2009	230228	6054210	21	NAD27	13K/11	Core	CMB-07-15	479.75	480.20	Tonalitic gneiss with weak hematite alteration
GS-09-034	7741427	2009	230372	6054309	21	NAD27	13K/11	Core	CMB-07-34	55.00	55.36	Weak carbonate alteration with up to 400 cps; sample also includes fracture with uranophane
GS-09-038	7741428	2009	230994	6052981	21	NAD27	13K/11	Core	SN-08-08	183.35	183.75	Hematized gneiss with up to 500 cps
GS-09-042	7741429	2009	230994	6052981	21	NAD27	13K/11	Core	SN-08-08	81.60	82.20	Hematite altered granodiorite/tonalite with minor crackle breccia containing up to 430 cps
GS-09-055	7741433	2009	234828	6050703	21	NAD27	13K/11	Grab	09G.W.S.012			Strongly hematized granodiorite/tonalite with up to 9000 cps
GS-09-057	7741434	2009	235048	6050674	21	NAD27	13K/11	Grab	09G.W.S.014			Cataclastic breccia within metasedimentary unit
GS-09-058	7741435	2009	235048	6050674	21	NAD27	13K/11	Grab	09G.W.S.014			Silicious siltstone containing anomalous radioactivity
GS-09-061	7741438	2009	235062	6050700	21	NAD27	13K/11	Grab	09G.W.S.015			Pyrite-rich siltstone with up to 2100 cps
GS-09-071	7741443	2009	238541	6050939	21	NAD27	13K/11	Grab	09G.W.S.026			Hematized intrusive with crosscutting specularite veinlets
GS-09-089	7741445	2009	314949	6056051	21	NAD27	13J/12	Core	SP-07-14	141.00	141.30	Mineralized, hematite-carbonate altered intermediate metavolcanic
GS-09-108	7741453	2009	258303	6063726	21	NAD27	13K/10	Grab	09G.W.S.037			Chlorite-rich, sheared and radioactive basalt; minor uranophane along fracture surfaces
GS-09-131	7741466	2009	237755	6031039	21	NAD27	13K/06	Core	ML-MA-08	69.51	69.91	Pervasively altered ash flow tuff
GS-09-133	7741467	2009	237755	6031039	21	NAD27	13K/06	Core	ML-MA-08	64.90	65.40	Altered ash flow tuff with up to 380 cps
GS-09-191	7741487	2009	337112	6091157	21	NAD27	13J/13	Core	G-68-142	83.20	83.50	Altered mafic tuff with up to 300 cps
GS-09-203	7741488	2009	329918	6086993	21	NAD27	13J/13	Core	NW-77-04	43.25	43.65	Carbonate altered, weakly hematized, chlorite-rich mafic tuff
GS-09-206	7741491	2009	325484	6058120	21	NAD27	13J/12	Grab	09G.W.S.060			Hematized, quartz-phyric tuff hosting anomalous radioactivity
GS-09-210	7741494	2009	331272	6058367	21	NAD27	13J/12	Grab	09G.W.S.062			Hematite-albite altered felsic metavolcanic crosscut by late hematized fractures
GS-09-214	7741497	2009	329611	6063042	21	NAD27	13J/12	Grab	09G.W.S.064			Amphibole-rich, fine-grained metasediment
GS-09-215	7741498	2009	331600	6065651	21	NAD27	13J/12	Grab	09G.W.S.065			Amphibole-magnetite-pyrite alteration within felsic metavolcanic
GS-09-217	7741499	2009	334500	6089220	21	NAD27	13J/13	Grab	09G.W.S.067			Thin bedded sandstone and interbedded siltstone
GS-09-218	7741501	2009	339032	6093232	21	NAD27	13J/13	Grab	09G.W.S.068			Fine- to medium-grained intermediate intrusive hosting anomalous radioactivity
GS-14-108	7741518	2015	238561	6050833	21	NAD27	13K/11	Core	FS-11-07	89.40	89.80	Pyrite-bearing, siltsone hosting cm-scale clasts of metavolcanic
GS-14-110	7741519	2015	238561	6050833	21	NAD27	13K/11	Core	FS-11-07	59.00	59.50	Strong hematite alteration; no assocaited radioactivity
GS-14-137	7741521	2015	246934	6044989	21	NAD27	13K/07	Core	ML-BZ-15	107.00	107.65	Unmineralized red sandstone
GS-14-138	7741522	2015	246934	6044989	21	NAD27	13K/07	Core	ML-BZ-15	89.41	89.90	Weakly radioactive red sandstone adjacent to dyke
GS-14-140	7741524	2015	246934	6044989	21	NAD27	13K/07	Core	ML-BZ-15	85.90	86.40	Weakly mineralized, pale red, carbonate altered sandstone; contains minor chalcopyrite
GS-14-143	7741525	2015	243804	6043527	21	NAD27	13K/07	Core	ML-44	349.50	350.10	Mineralized chloritic sandstone
GS-14-144	7741526	2015	243804	6043527	21	NAD27	13K/07	Core	ML-44	345.00	345.60	Unmineralized, chloritic sandstone
GS-14-145	7741527	2015	243804	6043527	21	NAD27	13K/07	Core	ML-44	336.85	337.30	Unmineralized red sandstone above mineralized zone
GS-14-146	7741528	2015	243823	6043544	21	NAD27	13K/07	Core	ML-34	310.90	311.40	Unmineralized red sandstone above mineralized zone
GS-14-147	7741529	2015	243823	6043544	21	NAD27	13K/07	Core	ML-34	314.85	315.35	Unmineralized, chloritic sandstone
GS-14-148	7741531	2015	243823	6043544	21	NAD27	13K/07	Core	ML-34	317.85	318.35	Mineralized chloritic sandstone with disseminated pyrite and up to 500 cps
GS-14-149	7741532	2015	243823	6043544	21	NAD27	13K/07	Core	ML-34	323.30	323.80	Unmineralized, chloritic sandstone with siltstone rip-ups
GS-14-162	7741538	2015	245363	6044873	21	NAD27	13K/07	Grab	14G.W.S.031			Pyrite-rich, pale grey sandstone hosting rare rip-up clasts
GS-14-164	7741539	2015	249189	6049502	21	NAD27	13K/10	Grab	14G.W.S.035			Fine-grained, light green siltstone

Open File LAB/1692 - Appendix B1: Raw Data and Detection Limits - Actlabs: 4E-Exploration

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Upper Detection Limit												
Lower Detection Limit												
Analysis Method												
GS-14-165	7741541	2015	249261	6049640	21	NAD27	13K/10	Grab	14G.W.S.036			Fine-grained, interbedded siltstone and shale
GS-14-166	7741542	2015	249382	6049754	21	NAD27	13K/10	Grab	14G.W.S.037			Fine-grained, interbedded siltstone and shale
GS-14-167	7741543	2015	249288	6049284	21	NAD27	13K/10	Grab	14G.W.S.037			Weakly radioactive dolostone
GS-14-183	7741545	2015	334786	6089027	21	NAD27	13J/13	Core	I-07-008A	458.00	458.80	White quartz vein hosting fine-grained, pale pink mineral
GS-14-185	7741546	2015	238583	6050409	21	NAD27	13K/11	Grab	14G.W.S.044			Aplite dyke associated with weakly anomalous radioactivity
GS-14-187	7741547	2015	233248	6053845	21	NAD27	13K/11	Grab	14G.W.S.046			K-feldspar-rich pegmatite with anomalous radioactivity
GS-14-189	7741548	2015	235224	6054148	21	NAD27	13K/11	Grab	14G.W.S.049			Hematite altered breccia
GS-14-191	7741549	2015	235250	6054153	21	NAD27	13K/11	Grab	14G.W.S.051			Pale pink, radioactive pegmatite
GS-14-193	7741551	2015	228219	6049148	21	NAD27	13K/11	Grab	14G.W.S.054			Rusty weathering, black shale
GS-14-194	7741552	2015	227926	6049059	21	NAD27	13K/11	Grab	14G.W.S.055			Rusty weathering siltstone
GS-14-195	7741553	2015	242975	6042478	21	NAD27	13K/07	Grab	14G.W.S.058			Pale pink fine-grained sandstone hosting anomalous radioactivity
GS-15-028	7741574	2015	242720	6042945	21	NAD27	13K/07	Core	ML-A1-54	206.90	207.30	Radioactive, magnetite-bearing breccia
GS-15-037	7741575	2015	239827	6041131	21	NAD27	13K/06	Grab	15G.W.S.105			Radioactive, magnetite-bearing breccia in hematized mafic metavolcanic
GS-15-040	7741576	2015	239634	6040976	21	NAD27	13K/06	Grab	15G.W.S.108			Up to 500 cps in non-magnetic, weakly hematized chert
GS-15-045	7741577	2015	239850	6041296	21	NAD27	13K/06	Grab	15G.W.S.113			Foliated and weakly brecciated, carbonate altered, metabasalt
GS-15-050	7741578	2015	239640	6040811	21	NAD27	13K/06	Grab	15G.W.S.123			Moderately hematite altered and brecciated mafic volcanic with up to 300 cps
GS-15-054	7741579	2015	239779	6040792	21	NAD27	13K/06	Hand drilled	15G.W.S.131			Fe-oxide-rich breccia
GS-15-141	7741593	2015	332781	6065787	21	NAD27	13J/12	Core	JL-07-63	116.40	116.80	Hematite altered intermediate metavolcanic , hosting elevated radioactivity
GS-15-156	7741596	2015	325032	6057745	21	NAD27	13J/12	Core	WB-06-01	17.10	17.68	Altered porphyritic metavolcanic hosting elevated radioactivity
GS-15-158	7741597	2015	246843	6044948	21	NAD27	13K/07	Grab	15G.W.S.238			Pervasively hematite altered, fine-grained mafic dyke (?)
GS-15-159	7741598	2015	246822	6044912	21	NAD27	13K/07	Grab	15G.W.S.239			Hematized and brecciated fine-grained mafic intrusive (?)
GS-15-160	7741599	2015	246827	6044862	21	NAD27	13K/07	Grab	15G.W.S.240			Fine-grained, dark grey, intermediate dyke (?)
GS-15-161	7741601	2015	246827	6044862	21	NAD27	13K/07	Grab	15G.W.S.240			Pervasively hematite altered, non-magnetic, fine-grained sandstone (?)
GS-15-162	7741602	2015	247001	6045060	21	NAD27	13K/07	Grab	15G.W.S.241			Red, relatively unaltered, fine-grained sandstone
GS-15-166	7741603	2015	247411	6045360	21	NAD27	13K/07	Grab	15G.W.S.247			Hematized and weakly brecciated sandstone (?), hosting anomalous radioactivity
GS-15-180	7741607	2015	394310	6070874	21	NAD27	13J/15	Grab	15G.W.S.265			Fine-grained, altered, felsic volcanic from zone of anomalous radioactivity
GS-15-186	7741611	2015	393624	6069672	21	NAD27	13J/15	Grab	15G.W.S.272			Hematite altered felsic volcanic hosting anomalous radioactivity
GS-15-195	7741615	2015	315409	6055652	21	NAD27	13J/12	Core	ML-08-08	19.25	19.75	Hematite-magnetite altered, moderately foliated, intermediate metavolcanic
GS-15-203	7741616	2015	238392	6039814	21	NAD27	13K/06	Grab	15G.W.S.286			Fe-oxide-rich breccia
MG-15-011	7741617	2015	243789	6043592	21	NAD27	13K/07	Core	ML-32	33.08	33.20	Chloritic breccia with white elongated fragments
MG-15-015	7741618	2015	242720	6042945	21	NAD27	13K/07	Core	ML-A1-54	173.70	174.20	Hematitic breccia
MG-15-018	7741619	2015	242720	6042945	21	NAD27	13K/07	Core	ML-A1-54	140.80	141.35	Chloritic breccia with cream coloured fragments
MG-15-019	7741621	2015	242720	6042945	21	NAD27	13K/07	Core	ML-A1-54	136.20	136.65	Chloritic breccia with hematite altered fragments
MG-15-020	7741622	2015	242720	6042945	21	NAD27	13K/07	Core	ML-A1-54	117.20	117.55	Hematitic breccia
MG-15-023	7741623	2015	241517	6042757	21	NAD27	13K/07	Core	ML-A1-21	27.48	27.73	Fe-carbonate altered breccia
MG-15-025	7741624	2015	241517	6042757	21	NAD27	13K/07	Core	ML-A1-21	32.85	33.00	Hematitic breccia
MG-15-027	7741625	2015	241517	6042757	21	NAD27	13K/07	Core	ML-A1-21	40.00	40.50	Hematitic breccia
MG-15-028	7741626	2015	241517	6042757	21	NAD27	13K/07	Core	ML-A1-21	49.15	49.60	Pyritic breccia
MG-15-030	7741627	2015	240839	6041585	21	NAD27	13K/07	Core	ML-AR-12	179.50	180.00	Chlorite-pyrite breccia
MG-15-032	7741628	2015	240839	6041585	21	NAD27	13K/07	Core	ML-AR-12	169.83	170.43	Fe-carbonate alteration

Open File LAB/1692 - Appendix B1: Raw Data and Detection Limits - Actlabs: 4E-Exploration

SampleNum	LabNum	Rock Type	Analysis	ActlabWt	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr
Unit				grams	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																											
Lower Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.5	2, 5	5, 12	3	1	0.4, 2	1, 2	0.5	3	1	1, 20
Analysis Method					FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	TD-ICP	INAA	INAA	FUS-ICP	FUS-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA
GS-07-004	7741181	Mafic dyke	Actlabs: 4E-Expl	1.41	47.00	16.64	9.58	4.59	0.32	4.80	8.50	2.96	0.25	1.050	4.32	100.00	0.8	9	-5	659	3	-2	-1	0.5	22	29	33
GS-07-012	7741184	Felsic tuff	Actlabs: 4E-Expl	1.45	75.46	11.12	3.38	0.14	0.05	5.37	0.41	2.10	0.02	0.229	0.12	98.39	1.2	5	-5	79	4	-2	-1	0.5	149	4	-1
GS-07-013	7741185	Felsic tuff	Actlabs: 4E-Expl	1.36	64.89	17.66	5.24	0.32	0.08	10.28	0.91	0.39	0.04	0.374	0.32	100.50	1.4	-2	-5	28	6	-2	-1	-0.5	213	3	9
GS-07-040	7741191	Mafic dyke (??)	Actlabs: 4E-Expl	1.54	62.72	15.70	7.79	0.80	0.22	9.31	2.65	0.27	0.10	0.595	0.18	100.30	8.4	-2	18	19	17	-2	-1	0.7	-3	22	127
GS-07-041	7741192	Mafic dyke	Actlabs: 4E-Expl	1.40	46.03	13.62	14.68	3.95	0.37	3.06	11.12	3.46	0.26	1.360	0.94	98.85	-0.5	7	-5	757	7	-2	-1	0.9	36	38	76
GS-07-043	7741193	Mafic dyke	Actlabs: 4E-Expl	1.45	49.72	12.94	16.35	2.74	0.35	5.90	7.94	0.62	0.21	1.131	0.57	98.48	1.4	8	-5	58	8	-2	-1	2.8	-3	36	65
GS-07-048	7741194	Granodiorite	Actlabs: 4E-Expl	1.12	54.03	15.83	5.67	1.94	0.09	8.00	6.39	0.19	0.24	0.725	5.83	98.95	1.8	-2	-5	80	3	-2	-1	-0.5	-3	14	43
GS-07-051	7741196	Granodiorite	Actlabs: 4E-Expl	1.16	59.89	15.79	5.47	2.71	0.06	6.82	3.14	0.68	0.22	0.659	3.72	99.17	-0.5	-2	-5	213	3	-2	-1	-0.5	41	12	17
GS-07-056	7741198	Mafic dyke	Actlabs: 4E-Expl	1.09	45.89	18.31	9.95	11.87	0.15	5.16	0.77	0.16	0.10	1.384	5.74	99.49	-0.5	-2	-5	54	3	-2	-1	0.6	25	42	147
GS-07-062	7741201	Granodiorite	Actlabs: 4E-Expl	1.14	49.63	16.13	5.61	2.32	0.10	7.13	8.42	0.64	0.22	0.609	7.91	98.71	0.7	-2	-5	249	2	-2	-1	-0.5	40	15	24
GS-07-071	7741206	Metasediment	Actlabs: 4E-Expl	1.44	54.80	14.52	11.92	2.15	0.28	6.77	7.31	1.27	0.15	0.919	0.92	101.00	-0.5	4	-5	83	5	-2	-1	4.4	49	25	49
GS-07-089	7741212	Hematite breccia	Actlabs: 4E-Expl	1.23	63.64	16.73	3.13	2.64	0.05	7.74	1.40	0.16	0.06	0.292	2.73	98.58	1.3	2	-5	82	2	-2	-1	-0.5	86	7	44
GS-07-092	7741213	Granodiorite	Actlabs: 4E-Expl	1.16	65.33	13.96	2.29	1.02	0.06	7.27	5.34	0.19	0.09	0.278	5.06	100.90	1.2	-2	-5	135	2	-2	-1	-0.5	57	5	40
GS-07-103	7741217	Hematite breccia	Actlabs: 4E-Expl	1.30	55.67	16.80	2.68	3.17	0.12	8.33	5.76	0.13	0.08	0.269	6.01	99.02	1.5	2	-5	150	2	-2	-1	-0.5	74	7	26
GS-07-112	7741218	Mafic dyke	Actlabs: 4E-Expl	1.34	39.22	17.26	13.80	8.38	1.08	0.69	8.49	4.62	0.44	1.207	3.23	98.40	-0.5	13	-5	181	8	-2	-1	1.1	95	11	1440
GS-07-116	7741222	Intermed. intrusive	Actlabs: 4E-Expl	1.40	59.19	16.29	7.51	3.36	0.06	5.96	2.58	2.32	0.17	0.684	1.03	99.15	-0.5	3	11	972	2	-2	-1	0.7	34	29	52
GS-07-117	7741223	Intermed. volcanic	Actlabs: 4E-Expl	1.21	56.31	16.41	4.29	2.21	0.07	8.22	5.68	1.06	0.16	0.624	3.99	99.03	-0.5	3	-5	542	6	-2	-1	-0.5	69	8	125
GS-07-121	7741224	Diorite	Actlabs: 4E-Expl	1.35	50.71	15.95	9.28	4.48	0.14	3.83	8.37	2.05	0.32	0.790	2.61	98.54	0.9	5	6	922	2	-2	-1	0.5	49	31	33
GS-07-124	7741226	Felsic volcanic	Actlabs: 4E-Expl	1.73	76.05	11.21	2.99	0.18	0.01	6.47	0.49	0.19	0.04	0.255	0.72	98.60	1.5	39	-5	179	173	-2	-1	-0.5	-99	4	21
GS-07-125	7741227	Felsic volcanic	Actlabs: 4E-Expl	1.18	76.67	11.39	2.99	0.04	0.07	5.78	0.72	1.50	0.03	0.243	0.70	100.10	2.4	-2	-5	178	3	-2	-1	-0.5	222	3	60
GS-07-126	7741228	Conglomerate	Actlabs: 4E-Expl	1.06	78.23	12.29	1.73	0.25	-0.01	0.33	0.18	3.14	0.10	0.382	2.55	99.20	3.4	254	27	576	2	-2	-1	0.9	133	19	82
GS-07-129	7741231	Felsic volcanic	Actlabs: 4E-Expl	1.05	67.43	13.65	2.50	0.57	0.06	3.86	1.05	5.22	0.03	0.159	1.99	96.51	82.9	1270	49	459	4	-2	-1	1.0	-3	14	194
GS-07-139	7741237	Felsic volcanic	Actlabs: 4E-Expl	1.19	79.47	6.65	3.31	0.06	0.05	0.11	2.34	5.93	0.04	0.383	1.80	100.10	1.3	206	53	1560	1	14	-1	0.6	85	143	43
GS-07-141	7741239	Granodiorite	Actlabs: 4E-Expl	1.21	64.61	16.05	4.32	1.28	0.05	6.81	1.05	1.36	0.22	0.586	1.97	98.30	3.4	5	-5	175	3	-2	-1	-0.5	-3	15	80
GS-07-154	7741248	Hematite alteration	Actlabs: 4E-Expl	1.19	54.13	14.73	13.42	3.90	0.19	6.70	1.42	0.16	0.08	0.744	3.42	98.90	0.7	29	-5	84	3	-2	-1	0.5	51	29	58
GS-07-157	7741249	Argillite	Actlabs: 4E-Expl	1.28	46.82	14.59	15.85	5.57	0.15	3.75	6.24	0.71	0.07	1.276	4.08	99.11	2.1	209	-5	51	3	-2	-1	1.4	97	53	122
GS-07-206	7741258	Breccia	Actlabs: 4E-Expl	1.63	30.09	8.60	7.71	8.78	0.18	4.88	16.06	0.24	0.04	0.364	22.15	99.10	0.9	4	-5	17	4	-2	-1	0.6	7	41	149
GS-07-212	7741259	Chert	Actlabs: 4E-Expl	1.47	82.58	0.44	5.90	1.43	0.06	0.19	3.36	-0.01	0.02	0.014	5.52	99.51	2.8	8	-5	7	1	-2	-1	-0.5	-3	5	94
GS-07-221	7741261	Intermed. volcanic	Actlabs: 4E-Expl	1.59	61.91	15.77	6.65	1.25	0.10	9.49	2.92	0.06	0.23	0.685	1.00	100.10	3.1	14	10	1170	12	-2	-1	0.7	136	7	50
GS-07-227	7741262	Intermed. volcanic	Actlabs: 4E-Expl	1.32	50.38	14.25	10.87	4.57	0.18	5.78	9.79	0.35	0.26	1.011	1.20	98.64	1.5	9	-5	474	6	-2	-1	1.0	74	36	122
GS-07-255	7741265	Porph. dyke	Actlabs: 4E-Expl	1.42	65.50	16.53	3.13	0.39	0.07	10.23	1.95	0.02	0.07	0.293	0.91	99.11	4.6	-2	-5	1940	8	-2	-1	-0.5	247	-1	91
GS-07-256	7741266	Metasediment	Actlabs: 4E-Expl	1.66	43.60	12.06	12.97	7.37	0.26	2.04	16.96	0.52	0.07	0.949	1.88	98.67	5.2	9	-5	94	15	-2	-1	1.1	-3	50	199
GS-07-262	7741271	Granodiorite	Actlabs: 4E-Expl	1.47	64.66	15.09	5.65	1.48	0.13	4.90	3.01	3.96	0.26	0.684	0.57	100.40	0.7	2	-5	1140	2	-2	-1	-0.5	79	10	15
GS-07-263	7741272	Granodiorite	Actlabs: 4E-Expl	1.36	55.74	13.62	13.38	1.59	0.41	6.56	5.22	0.59	0.26	0.729	0.65	98.76	5.0	-2	-5	269	12	-2	-1	0.7	-3	19	138
GS-07-272	7741277	Fe-carb./hem. alt.	Actlabs: 4E-Expl	1.31	43.56	10.61	13.25	3.59	0.24	3.84	9.25	0.11	0.16	1.670	13.02	99.31	0.8	60	-5	78	3	-2	-1	0.8	32	37	23
GS-08-003	7741293	Fe-carb./hem. alt.	Actlabs: 4E-Expl	1.97	34.10	9.93	10.39	5.77	0.06	4.46	14.35	0.17	0.05	0.711	19.83	99.83	0.6	26	-5	134	1	-2	-1	-0.5	-99	39	113
GS-08-019	7741296	Argillite	Actlabs: 4E-Expl	2.08	52.58	14.43	14.46	4.23	0.04	1.70	7.84	0.75	0.09	1.262	2.77	100.10	0.8	20	-5	90	2	-2	-1	-0.5	41	55	76
GS-08-021	7741297	Basalt	Actlabs: 4E-Expl	1.95	51.63	13.80	15.22	5.57	0.05	4.06	8.22	0.45	0.14	1.363	0.30	100.80	0.6	48	9	21	1	-2	-1	-0.5	24	56	83
GS-08-022	7741298	Mafic tuff	Actlabs: 4E-Expl	1.94	53.50	13.70	14.62	5.08	0.04	4.19	6.11	0.45	0.10	1.257	0.62	99.69	1.1	76	-5	34	2	-2	-1	0.6	-99	49	88
GS-08-023	7741299	Mafic tuff	Actlabs: 4E-Expl	2.00	44.02	11.72	14.63	4.12	0.08	2.81	14.18	1.39	0.12	1.172	5.46	99.70	9.1	17	-12	284	2	-2	-2	1.1	-99	47	196
GS-08-026	7741301	Argillite	Actlabs: 4E-Expl	1.96	51.72	12.29	15.04	4.28	0.05	2.28	7.90	0.96	0.08	1.093	3.68	99.38	1.3	336	15	269	2	-2	-1	0.6	36	47	115
GS-08-031	7741303	Argillite	Actlabs: 4E-Expl	2.14	60.68	11.37	15.85	4.18	0.03	2.25	1.66	0.57	0.07	1.235	1.74	99.64	-0.5	24	-5	59	1	-2	-1	-0.5	28	41	73
GS-08-033	7741304	QFP	Actlabs: 4E-Expl	1.66	75.52	11.27	2.62	0.26	-0.01	3.63	1.68	3.36	-0.01	0.106	1.77	100.20	2.1	90	-5	409	-1	-2	-1	55.4	147	-1	17
GS-08-034	7741305	QFP	Actlabs: 4E-Expl	1.84	78.06	11.41	1.89	0.23	-0.01	4.02	1.20	2.94	0.02	0.105	0.88	100.80	1.0	29	-5	469	-1	-2	-1	13.7	140	3	11
GS-08-058	7741317	Breccia	Actlabs: 4E-Expl	2.00	42.93	10.89	13.87	3.60	0.03	6.02	8.43	0.12	0.23	2.090	12.29	100.50	-0.5	26	-5	27	2	-2	-1	-0.5	24	40	23
GS-08-059	7741318	Chert	Actlabs: 4E-Expl	2.01	84.24	0.62	3.64	1.96	-0.01	-0.01	4.06	-0.01	0.04	0.031	6.25	100.80	-0.5	20	-5	-3	-1	-2	-1	-0.5	-3	11	22
GS-08-060	7741319	Chert	Actlabs: 4E-Expl	1.84	76.74	0.27	9.41	2.03	0.01	-0.01	4.66	0.09	0.06	0.052	6.89	100.20	1.3	21	-5	9	1	-2	-1	-0.5	-99	16	24
GS-08-061	7741321	Chert	Actlabs: 4E-Expl	1.62	88.91	0.44	3.13	1.15	-0.01	-0.01	2.60	0.05	0.03	0.021	3.94	100.30	-0.5	22	-5	3	-1	-2	1	-0.5	-3	8	22
GS-08-062	7741322	Breccia	Actlabs: 4E-Expl	2.07	35.98	9.89	14.39	4.68	0.04	5.32	11.21	0.22	0.25	1.835	16.03	99.83	-0.5	23	-5	22	2	-2	-1	-0.5	15	41	20
GS-08-064	7741323	Breccia	Actlabs: 4E-Expl	1.82	29.92	8.72	9.06	7.86	0.04	5.08	14.96	0.02	0.04	0.456	22.95	99.10	-0.5	23	-5	8	3	-2	-1	-0.5	-3	44	130
GS-08-065	7741324	Fe-carb./hem. alt.	Actlabs: 4E-Expl	1.90	32.92	9.58	7.39	6.60	0.03	5.51	14.97	0.06	0.10	0.623	22.17	99.96	1.0	21	-5	11	2	-2	-1	-0.5	22	38	134
GS-08-066	7741325	Fe-carb./hem. alt.	Actlabs: 4E-Expl	1.94	37.17	10.84	7.55	5.83	0.03	6.16	12.73	0.06	0.05	0.583	19.71	100.70	3.1	21	36	12	2	-2	-1	-0.5	5	43	198
GS-08-135	7741336	Fe-formation	Actlabs: 4E-Expl	1.99	76.40	1.09	18.89	0.55	0.08	0.04	0.98	-0.01	0.74	0.046	1.44	100.10	1.5	58	25	38	2	-2	-1	3.4	-99	32	52
GS-08-192	7741351	Felsic volcanic	Actlabs: 4E-Expl	2.37	76.36	12.34	1.33	0.06	-0.01	4.78	0.57	3.59	0.02	0.066	0.38	99.51	-0.5	17	-5	97	12	-2	-1	-0.5	60	-1	-1
GS-08-202	7741353	Felsic volcanic	Actlabs: 4E-Expl	1.90	72.03	12.54	3.57	0.24	0.01	3.12	1.25	5.20	0.08	0.389	0.30	98.74	-0.5	21	8	1760	4	-2	-1	-0.5	138	4	9

Open File LAB/1692 - Appendix B1: Raw Data and Detection Limits - Actlabs: 4E-Exploration

SampleNum	LabNum	Rock Type	Analysis	ActlabWt	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr
Unit				grams	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																											
Lower Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.5	2, 5	5, 12	3	1	0.4, 2	1, 2	0.5	3	1	1, 20
Analysis Method					FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	TD-ICP	INAA	INAA	FUS-ICP	FUS-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA
GS-08-203	7741354	Felsic volcanic	Actlabs: 4E-Expl	1.81	67.46	14.79	3.64	0.32	0.07	6.96	2.51	2.23	0.07	0.357	1.07	99.48	0.9	22	-5	876	11	-2	-1	-0.5	197	6	15
GS-08-211	7741355	Felsic volcanic	Actlabs: 4E-Expl	1.96	51.41	14.07	9.05	2.84	0.23	6.62	8.10	0.98	0.26	0.950	3.71	98.21	-0.5	33	-5	882	5	-2	-1	-0.5	87	32	36
GS-08-212	7741356	Felsic volcanic	Actlabs: 4E-Expl	2.04	76.21	11.82	2.08	0.17	-0.01	7.22	0.90	0.11	0.05	0.229	0.57	99.36	-0.5	19	6	727	4	-2	-1	0.5	134	5	-1
GS-08-213	7741357	Felsic volcanic	Actlabs: 4E-Expl	1.81	64.25	15.91	3.08	0.31	0.02	10.13	3.89	0.10	0.05	0.309	2.79	100.80	0.6	22	-5	458	7	-2	-1	-0.5	-99	-1	25
GS-08-214	7741358	Felsic volcanic	Actlabs: 4E-Expl	1.95	65.17	16.71	4.11	0.34	0.04	10.56	1.39	0.07	0.08	0.383	0.58	99.43	0.6	19	-5	1340	8	-2	-1	-0.5	243	-1	13
GS-08-218	7741361	Porph. dyke	Actlabs: 4E-Expl	1.89	63.00	15.25	5.54	0.31	0.07	9.93	2.58	0.08	0.12	0.523	1.03	98.42	3.5	7	-5	643	7	-2	-1	-0.5	-99	10	57
GS-08-219	7741362	Granite	Actlabs: 4E-Expl	1.79	72.83	12.98	2.52	0.08	0.03	7.37	0.56	0.20	0.05	0.216	0.32	97.17	0.6	21	-5	198	14	-2	-1	-0.5	-99	-1	14
GS-08-220	7741363	Granite	Actlabs: 4E-Expl	1.78	73.59	11.98	2.51	0.06	0.03	4.64	0.79	3.43	0.03	0.223	0.49	97.77	-0.5	23	-5	992	3	-2	-1	-0.5	203	-1	-1
GS-08-228	7741366	Intermed. volcanic	Actlabs: 4E-Expl	2.19	47.33	13.33	11.50	5.25	0.16	4.04	12.89	0.59	0.30	1.573	1.72	98.69	0.6	28	-5	580	4	-2	6	-0.5	-99	39	49
GS-08-237	7741368	Complex dyke	Actlabs: 4E-Expl	1.80	67.16	14.69	5.06	0.87	0.02	3.92	2.31	5.21	0.24	0.777	0.55	100.80	-0.5	27	-5	982	3	-2	-1	-0.5	126	9	14
GS-08-239	7741371	Intermed. volcanic	Actlabs: 4E-Expl	2.12	58.98	15.28	8.36	2.05	0.03	8.14	5.45	0.27	0.36	1.064	0.70	100.70	-0.5	14	-5	716	2	-2	-1	-0.5	82	19	10
GS-08-240	7741372	Intermed. volcanic	Actlabs: 4E-Expl	1.81	56.34	15.94	8.50	2.08	0.03	8.38	5.46	0.26	0.40	1.119	2.09	100.60	1.5	11	-5	836	5	-2	-1	-0.5	-99	19	38
GS-08-241	7741373	Intermed. volcanic	Actlabs: 4E-Expl	1.86	55.06	15.27	9.94	2.29	0.03	8.29	5.77	0.15	0.37	1.051	2.41	100.60	-0.5	10	-5	1810	8	-2	-1	-0.5	93	17	-1
GS-08-252A	7741382	Felsic volcanic	Actlabs: 4E-Expl	1.88	73.56	10.03	2.26	0.44	0.12	5.80	4.71	0.16	0.02	0.185	2.92	100.20	-0.5	-2	-5	84	24	-2	-1	1.1	-99	4	12
GS-08-255	7741384	Felsic volcanic	Actlabs: 4E-Expl	1.87	64.49	17.45	1.77	0.37	0.02	10.01	2.91	0.14	0.04	0.529	1.80	99.54	2.1	6	-5	134	3	-2	-1	2.3	-99	8	20
GS-08-269	7741395	QFP	Actlabs: 4E-Expl	1.68	59.30	17.27	3.40	1.90	0.02	5.96	7.45	1.96	0.12	0.311	2.90	100.60	-0.5	7	-5	514	1	-2	-1	-0.5	-99	4	14
GS-08-270	7741396	QFP	Actlabs: 4E-Expl	1.90	59.91	17.14	4.35	1.77	0.02	6.01	5.94	2.02	0.12	0.314	2.08	99.68	1.5	29	-5	619	2	-2	-1	-0.5	-99	7	44
GS-08-294	7741417	Sandstone	Actlabs: 4E-Expl	1.64	73.28	12.06	2.19	0.76	0.01	6.67	2.19	0.24	0.06	0.202	2.68	100.40	-0.5	3	-5	1500	1	-2	-1	-0.5	54	5	23
GS-08-296	7741418	Mafic dyke	Actlabs: 4E-Expl	1.79	37.15	17.56	13.19	6.48	0.06	0.79	9.12	3.94	0.41	2.890	8.15	99.74	8.8	7	58	330	6	-2	-1	0.9	43	46	170
GS-09-004	7741423	Hematite breccia	Actlabs: 4E-Expl	1.54	53.72	18.07	9.23	5.37	0.08	7.31	1.71	0.12	0.08	0.501	4.63	100.80	0.8	-2	-5	439	2	-2	-1	-0.5	74	15	63
GS-09-008	7741424	Granodiorite	Actlabs: 4E-Expl	1.47	58.05	15.80	2.76	2.66	0.10	7.65	5.92	0.21	0.13	0.455	6.40	100.10	1.0	-2	-5	101	1	-2	-1	-0.5	-3	6	22
GS-09-017	7741425	Gneiss	Actlabs: 4E-Expl	1.53	68.74	14.32	1.32	0.91	0.03	7.28	2.65	0.39	0.10	0.173	4.06	99.98	-0.5	-2	-5	281	1	-2	-1	-0.5	31	-1	23
GS-09-034	7741427	Granodiorite	Actlabs: 4E-Expl	1.35	56.27	16.45	2.27	1.17	0.10	8.92	6.92	0.25	0.09	0.248	6.73	99.42	0.9	-2	-5	243	1	-2	-1	-0.5	-3	6	25
GS-09-038	7741428	Gneiss	Actlabs: 4E-Expl	1.43	69.38	14.54	1.87	1.26	0.05	7.52	2.67	0.20	0.05	0.134	3.18	100.90	0.6	-2	-5	267	1	-2	-1	-0.5	-3	5	20
GS-09-042	7741429	Granodiorite	Actlabs: 4E-Expl	1.51	67.95	15.13	2.07	0.75	0.04	8.07	1.93	0.24	0.07	0.217	2.55	99.03	0.9	3	-5	497	1	-2	-1	-0.5	74	-1	25
GS-09-055	7741433	Granodiorite	Actlabs: 4E-Expl	1.48	60.79	16.32	4.56	3.07	0.07	7.28	1.74	0.41	0.23	0.653	3.46	98.58	2.7	-2	-5	432	2	-2	-1	-0.5	207	15	66
GS-09-057	7741434	Siltstone	Actlabs: 4E-Expl	1.61	72.53	12.60	3.53	2.70	0.04	5.66	0.94	0.09	0.09	0.171	2.54	100.90	-0.5	-2	-5	58	-1	-2	-1	0.6	225	8	16
GS-09-058	7741435	Siltstone	Actlabs: 4E-Expl	1.59	70.34	14.41	3.43	1.99	0.03	6.58	0.46	0.23	0.15	0.401	2.52	100.50	7.5	-2	-5	214	1	-2	-1	0.8	-3	5	18
GS-09-061	7741438	Siltstone	Actlabs: 4E-Expl	1.54	49.51	13.74	15.29	4.22	0.05	3.90	0.22	0.39	0.12	0.917	7.56	95.91	23.9	39	162	643	2	-2	-1	1.8	160	61	153
GS-09-071	7741443	Granodiorite	Actlabs: 4E-Expl	1.65	57.27	12.96	3.66	1.96	0.07	6.69	8.09	0.04	2.59	0.922	4.53	98.79	3.2	6	-5	201	3	-2	-1	-0.5	114	12	79
GS-09-089	7741445	Intermed. volcanic	Actlabs: 4E-Expl	1.64	53.70	15.63	5.09	2.08	0.15	7.88	7.90	0.80	0.21	0.802	6.51	100.70	1.3	-2	-5	395	3	-2	-1	-0.5	151	13	74
GS-09-108	7741453	Basalt	Actlabs: 4E-Expl	1.63	46.49	13.19	7.54	4.50	0.12	4.60	10.74	0.05	0.65	1.374	10.28	99.53	5.2	14	-5	193	3	-2	-1	-0.5	212	18	98
GS-09-131	7741466	Felsic volcanic	Actlabs: 4E-Expl	1.63	75.46	12.71	1.31	0.23	0.02	3.08	0.24	5.55	0.05	0.218	1.13	99.98	0.5	6	-5	100	5	-2	-1	-0.5	103	2	22
GS-09-133	7741467	Felsic volcanic	Actlabs: 4E-Expl	1.49	70.17	11.92	1.62	0.60	0.10	4.11	3.49	3.29	0.02	0.184	3.79	99.29	-0.5	7	-5	145	3	-2	-1	-0.5	112	4	28
GS-09-191	7741487	Tuff	Actlabs: 4E-Expl	2.04	45.33	10.83	21.38	2.84	0.65	3.83	7.41	0.53	0.11	0.323	1.77	94.99	85.3	18	85	146	22	-2	-1	38.9	66	36	80
GS-09-203	7741488	Mafic tuff	Actlabs: 4E-Expl	1.79	39.73	12.33	12.43	7.08	0.21	2.73	14.16	1.06	0.09	0.990	8.44	99.25	0.9	4	-5	182	7	-2	-1	1.1	32	45	231
GS-09-206	7741491	Felsic volcanic	Actlabs: 4E-Expl	1.75	71.38	15.13	2.61	0.14	0.06	9.64	0.22	0.08	0.04	0.164	0.45	99.93	5.8	7	85	496	9	-2	-1	2.2	194	-1	23
GS-09-210	7741494	Felsic volcanic	Actlabs: 4E-Expl	1.72	66.91	16.22	4.40	0.10	0.05	10.62	0.48	0.16	0.04	0.354	0.50	99.83	4.4	-2	-5	77	12	-2	-1	0.7	262	-1	32
GS-09-214	7741497	Metasediment	Actlabs: 4E-Expl	1.58	56.89	15.73	9.08	2.83	0.09	7.92	3.55	0.78	0.10	0.773	1.71	99.45	1.2	8	-5	274	7	-2	-1	-0.5	113	23	84
GS-09-215	7741498	Felsic volcanic	Actlabs: 4E-Expl	1.78	52.77	15.72	9.47	3.40	0.22	5.50	8.20	0.96	0.21	1.212	2.17	99.83	4.2	6	22	819	5	-2	-1	0.7	99	31	33
GS-09-217	7741499	Semipelite	Actlabs: 4E-Expl	1.84	62.37	10.14	15.04	3.17	0.36	2.15	3.59	1.45	0.07	0.375	2.05	100.80	3.4	4	20	105	5	-2	-1	2.4	82	32	75
GS-09-218	7741501	Granodiorite	Actlabs: 4E-Expl	1.76	56.28	13.33	3.44	5.61	0.13	4.85	12.22	0.73	0.15	1.612	2.06	100.40	-0.5	21	-5	140	2	-2	-1	-0.5	39	5	59
GS-14-108	7741518	Siltstone	Actlabs: 4E-Expl	1.49	80.40	5.07	4.04	2.00	0.04	0.14	2.32	1.06	0.08	0.497	3.55	99.19	0.7	4	-5	54	-1	-2	-1	-0.5	19	14	170
GS-14-110	7741519	Granodiorite	Actlabs: 4E-Expl	1.24	57.62	13.49	4.20	1.62	0.05	6.82	7.86	0.05	3.61	0.629	3.17	99.11	-0.5	6	-5	47	5	-2	-1	-0.5	63	19	69
GS-14-137	7741521	Sandstone	Actlabs: 4E-Expl	1.44	73.50	12.44	2.11	0.52	0.04	6.30	1.58	0.70	0.06	0.277	1.88	99.42	-0.5	3	-5	1470	1	-2	-1	-0.5	58	-1	60
GS-14-138	7741522	Sandstone	Actlabs: 4E-Expl	1.35	59.55	13.29	5.20	2.45	0.14	5.65	5.75	0.45	0.13	0.509	5.93	99.04	1.4	4	-5	567	2	-2	-1	-0.5	106	11	61
GS-14-140	7741524	Sandstone	Actlabs: 4E-Expl	1.38	49.81	16.33	5.39	3.91	0.21	6.09	7.39	1.02	0.17	1.004	7.56	98.89	3.5	-2	-5	299	2	-2	-1	-0.5	76	21	106
GS-14-143	7741525	Sandstone	Actlabs: 4E-Expl	1.23	71.01	9.71	2.21	1.01	0.08	0.11	6.30	3.02	0.05	0.179	6.72	100.40	2.8	26	-5	662	2	-2	-1	-0.5	151	7	121
GS-14-144	7741526	Sandstone	Actlabs: 4E-Expl	1.32	72.48	10.62	2.49	1.42	0.06	0.16	3.40	3.03	0.05	0.256	4.61	98.59	0.7	7	-5	949	2	-2	-1	-0.5	65	-1	65
GS-14-145	7741527	Sandstone	Actlabs: 4E-Expl	1.41	75.48	11.49	2.57	0.49	0.04	0.13	2.49	3.85	0.06	0.257	3.53	100.40	-0.5	11	-5	1700	2	-2	-1	-0.5	51	-1	49
GS-14-146	7741528	Sandstone	Actlabs: 4E-Expl	1.44	76.91	12.49	2.17	0.58	0.02	0.13	0.75	3.88	0.07	0.304	2.45	99.75	-0.5	6	-5	734	2	-2	-1	-0.5	69	4	50
GS-14-147	7741529	Sandstone	Actlabs: 4E-Expl	1.54	74.49	9.90	2.92	1.32	0.05	0.09	2.96	3.16	0.07	0.252	4.40	99.61	0.9	46	-5	845	2	-2	-1	-0.5	62	8	31
GS-14-148	7741531	Sandstone	Actlabs: 4E-Expl	1.35	65.52	8.03	3.79	2.98	0.10	0.06	7.38	1.96	0.04	0.195	8.46	98.51	1.4	179	-5	515	1	-2	-1	5.7	72	12	65
GS-14-149	7741532	Sandstone	Actlabs: 4E-Expl	1.52	68.45	10.15	2.75	1.30	0.08	0.09	5.95	3.09	0.05	0.228	6.57	98.70	0.5	7	-5	737	1	-2	-1	-0.5	66	-1	32
GS-14-162	7741538	Sandstone	Actlabs: 4E-Expl	1.31	69.64	11.31	3.33	0.94	0.07	0.27	5.80	4.27	0.06	0.280	4.80	100.80	0.7	14	-5	836	2	-2	-1	-0.5	87	5	53
GS-14-164	7741539	Siltstone	Actlabs: 4E-Expl	1.46	52.64	13.16	17.09	6.61	0.15	1.70	1.70	0.17	0.07	1.611	5.62	100.50	-0.5	17	-5	74	-1	2	-1	-0.5	22	50	221

Open File LAB/1692 - Appendix B1: Raw Data and Detection Limits - Actlabs: 4E-Exploration

SampleNum	LabNum	Rock Type	Analysis	ActlabWt	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr
Unit				grams	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																											
Lower Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.5	2, 5	5, 12	3	1	0.4, 2	1, 2	0.5	3	1	1, 20
Analysis Method					FUS-INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	TD-ICP	INAA	INAA	FUS-ICP	FUS-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA
GS-14-165	7741541	Siltstone	Actlabs: 4E-Expl	1.39	55.17	16.56	11.80	3.19	0.05	3.81	0.12	1.91	0.05	1.070	4.69	98.41	-0.5	-2	-5	538	1	-2	-1	-0.5	22	8	148
GS-14-166	7741542	Siltstone	Actlabs: 4E-Expl	1.21	54.51	20.78	10.31	2.31	0.02	0.45	0.11	5.60	0.05	2.302	4.54	101.00	-0.5	77	-5	1160	2	-2	-1	-0.5	64	24	191
GS-14-167	7741543	Dolostone	Actlabs: 4E-Expl	1.67	22.71	0.73	1.44	14.08	0.07	0.36	23.68	0.03	0.26	0.020	35.19	98.58	-0.5	2	-5	23	-1	-2	3	-0.5	5	-1	27
GS-14-183	7741545	Vein	Actlabs: 4E-Expl	1.68	74.38	14.97	0.74	0.02	0.28	8.26	0.36	0.22	0.03	0.012	0.18	99.46	-0.5	3	-5	9	9	-2	-1	-0.5	17	-1	27
GS-14-185	7741546	Aplite dyke	Actlabs: 4E-Expl	1.60	74.21	14.77	1.16	0.29	0.08	4.80	0.26	3.91	-0.01	0.034	1.12	100.60	-0.5	2	-5	238	3	-2	-1	-0.5	27	-1	12
GS-14-187	7741547	Pegmatite	Actlabs: 4E-Expl	1.44	74.20	13.45	1.12	0.16	0.01	4.16	0.17	5.11	-0.01	0.041	0.30	98.72	-0.5	-2	-5	301	-1	-2	-1	-0.5	10	-1	39
GS-14-189	7741548	Granodiorite	Actlabs: 4E-Expl	1.51	63.61	13.95	5.59	3.10	0.08	2.21	3.42	3.53	0.15	0.486	2.16	98.29	-0.5	2	-5	670	1	-2	-1	-0.5	46	18	160
GS-14-191	7741549	Pegmatite	Actlabs: 4E-Expl	1.66	73.35	13.35	1.22	0.23	0.01	3.91	0.26	6.09	-0.01	0.035	0.28	98.74	-0.5	4	5	211	-1	-2	-1	-0.5	14	-1	23
GS-14-193	7741551	Siltstone	Actlabs: 4E-Expl	1.10	64.75	17.43	4.75	2.78	0.03	3.16	0.18	2.74	0.08	0.730	4.29	100.90	-0.5	25	-5	346	1	-2	-1	-0.5	21	7	149
GS-14-194	7741552	Siltstone	Actlabs: 4E-Expl	1.28	58.36	16.13	9.42	2.85	0.07	4.42	0.89	3.09	0.07	0.920	3.45	99.67	0.6	8	-5	424	1	-2	-1	1.0	19	32	141
GS-14-195	7741553	Sandstone	Actlabs: 4E-Expl	1.46	72.79	13.90	2.01	0.19	0.05	3.75	0.85	4.64	0.03	0.122	1.35	99.68	-0.5	5	-5	1070	3	-2	-1	-0.5	65	-1	29
GS-15-028	7741574	Breccia	Actlabs: 4E-Expl	1.55	45.27	12.27	11.33	3.65	0.14	5.66	9.79	0.05	0.11	1.136	8.58	97.99	3.9	-2	-5	55	1	-2	-1	-0.5	46	36	89
GS-15-037	7741575	Breccia	Actlabs: 4E-Expl	1.79	43.14	12.56	15.52	3.64	0.16	6.78	6.77	0.20	0.04	0.521	10.20	99.52	-0.5	-2	-5	41	2	-2	-1	-0.5	5	35	103
GS-15-040	7741576	Chert	Actlabs: 4E-Expl	1.72	56.22	3.27	14.45	3.92	0.27	0.03	8.18	0.01	0.34	0.102	13.12	99.92	1.0	40	-5	-3	1	-2	-1	-0.5	21	23	49
GS-15-045	7741577	Basalt	Actlabs: 4E-Expl	1.52	42.22	10.27	10.65	6.07	0.18	1.66	13.52	0.03	0.05	0.579	14.39	99.62	-0.5	36	-5	31	-1	-2	-1	-0.5	28	41	92
GS-15-050	7741578	Breccia	Actlabs: 4E-Expl	1.62	37.31	10.03	8.11	3.02	0.25	4.06	17.40	0.12	0.06	0.677	17.48	98.51	1.5	4	-5	45	2	-2	-1	-0.5	26	35	96
GS-15-054	7741579	Hematite breccia	Actlabs: 4E-Expl	1.49	35.14	10.62	8.54	2.39	0.24	3.95	19.73	0.09	0.06	0.664	17.48	98.90	3.1	8	-5	16	1	-2	-1	-0.5	52	48	166
GS-15-141	7741593	Intermed. volcanic	Actlabs: 4E-Expl	1.80	51.30	14.41	9.03	3.53	0.21	6.90	8.21	0.14	0.30	0.973	5.20	100.20	1.9	8	-5	315	5	-2	-1	-0.5	136	25	29
GS-15-156	7741596	Felsic volcanic	Actlabs: 4E-Expl	1.56	75.41	12.50	2.62	0.19	0.15	7.59	0.63	0.14	0.01	0.214	0.60	100.10	1.3	-2	-5	306	7	-2	-1	-0.5	173	-1	14
GS-15-158	7741597	Mafic dyke	Actlabs: 4E-Expl	2.01	44.20	15.31	13.69	4.18	0.13	5.39	5.92	1.05	0.29	2.128	6.29	98.58	3.4	-2	-5	170	2	-2	-1	-0.5	176	54	219
GS-15-159	7741598	Mafic dyke	Actlabs: 4E-Expl	1.58	55.24	15.00	8.90	1.91	0.09	7.88	4.74	0.13	0.13	1.075	4.12	99.21	0.6	7	-5	1180	1	-2	-1	-0.5	42	13	91
GS-15-160	7741599	Intermed. dyke	Actlabs: 4E-Expl	1.74	38.50	18.46	16.82	6.01	0.24	1.27	6.51	3.51	0.40	2.923	4.74	99.38	10.7	10	25	357	5	-2	-1	-0.5	140	67	276
GS-15-161	7741601	Sandstone	Actlabs: 4E-Expl	1.60	59.39	14.88	3.15	1.53	0.14	7.67	6.25	0.19	0.05	0.280	5.88	99.41	22.0	15	167	317	2	-2	-1	-0.5	302	19	167
GS-15-162	7741602	Sandstone	Actlabs: 4E-Expl	1.82	76.29	11.59	1.86	0.17	0.05	6.33	0.81	0.21	0.04	0.197	1.13	98.66	-0.5	-2	-5	619	-1	-2	-1	-0.5	50	-1	41
GS-15-166	7741603	Sandstone	Actlabs: 4E-Expl	1.63	42.30	12.75	11.74	3.36	0.11	5.59	10.42	0.10	0.67	2.627	9.39	99.06	1.2	9	-5	64	2	-2	-1	-0.5	170	39	204
GS-15-180	7741607	Felsic volcanic	Actlabs: 4E-Expl	1.63	78.52	10.88	0.93	0.04	0.03	3.15	0.20	5.20	0.01	0.141	0.28	99.37	3.6	5	-5	407	65	-2	-1	-0.5	87	-1	14
GS-15-186	7741611	Felsic volcanic	Actlabs: 4E-Expl	1.79	73.55	13.31	1.94	0.20	0.04	5.46	0.35	3.03	0.03	0.301	0.50	98.72	3.2	6	-5	279	4	-2	-1	18.2	141	-1	95
GS-15-195	7741615	Intermed. volcanic	Actlabs: 4E-Expl	1.91	56.24	14.57	6.95	3.09	0.13	7.95	6.06	0.14	0.18	0.750	4.30	100.30	4.4	-2	-5	144	9	-2	-1	-0.5	87	25	210
GS-15-203	7741616	Hematite alteration	Actlabs: 4E-Expl	1.39	43.18	12.77	10.78	5.47	0.18	4.51	10.66	0.11	0.07	0.848	11.33	99.91	-0.5	-2	-5	89	2	-2	-1	-0.5	19	51	236
MG-15-011	7741617	Chlorite breccia	Actlabs: 4E-Expl	1.64	41.44	13.38	10.22	5.57	0.14	3.81	8.48	1.20	0.07	0.869	14.19	99.37	-0.5	12	-5	60	2	-2	-1	-0.5	9	46	264
MG-15-015	7741618	Hematite breccia	Actlabs: 4E-Expl	1.74	38.56	10.89	7.82	5.35	0.16	6.13	12.65	0.04	0.05	0.606	17.07	99.32	2.1	6	-5	20	1	-2	-1	-0.5	11	38	226
MG-15-018	7741619	Chlorite breccia	Actlabs: 4E-Expl	1.86	42.08	9.74	10.84	5.02	0.18	1.13	11.12	1.14	0.11	1.153	17.49	100.00	-0.5	12	-5	42	2	-2	-1	-0.5	19	34	102
MG-15-019	7741621	Chlorite breccia	Actlabs: 4E-Expl	1.83	36.49	11.56	9.97	4.97	0.14	4.84	11.62	0.35	0.11	1.062	17.68	98.80	-0.5	4	-5	22	2	-2	-1	-0.5	15	36	178
MG-15-020	7741622	Hematite breccia	Actlabs: 4E-Expl	1.88	36.80	10.38	12.26	5.69	0.17	5.88	10.72	0.02	0.07	0.736	16.06	98.79	-0.5	6	-5	12	2	-2	-1	-0.5	12	52	130
MG-15-023	7741623	Fe-carb./hem. alt.	Actlabs: 4E-Expl	2.01	35.66	8.82	11.01	6.02	0.23	4.24	13.82	0.06	0.05	0.568	19.06	99.54	1.3	25	-5	25	-1	-2	-1	-0.5	13	58	101
MG-15-025	7741624	Hematite breccia	Actlabs: 4E-Expl	1.61	35.35	10.62	8.82	5.46	0.20	5.19	13.98	0.26	0.03	0.611	18.99	99.52	6.9	11	-5	150	2	-2	-1	-0.5	147	48	208
MG-15-027	7741625	Hematite breccia	Actlabs: 4E-Expl	1.58	33.19	10.12	9.34	6.04	0.22	4.77	13.89	0.14	0.03	0.564	20.40	98.71	1.7	4	-5	48	1	-2	-1	-0.5	13	51	121
MG-15-028	7741626	Pyrite breccia	Actlabs: 4E-Expl	1.58	47.25	10.00	8.60	4.18	0.14	5.37	9.05	0.12	0.08	0.576	13.67	99.05	0.5	300	-5	39	-1	-2	-1	-0.5	9	35	168
MG-15-030	7741627	Chlorite breccia	Actlabs: 4E-Expl	1.89	45.34	9.98	8.92	4.16	0.13	5.32	8.94	0.18	0.06	1.151	13.94	98.12	5.1	29	58	119	-1	-2	4	-0.5	53	35	173
MG-15-032	7741628	Basalt	Actlabs: 4E-Expl	1.68	54.23	15.03	6.89	2.32	0.06	8.53	3.66	0.09	0.04	0.484	8.21	99.54	0.8	11	-5	387	1	-2	-1	-0.5	66	19	107

Open File LAB/1692 - Appendix B1: Raw Data and Detection Limits - Actlabs: 4E-Exploration

SampleNum	LabNum	Cs	Cu	Cu	Eu	Hf	Hg	Ir	La	Lu	Mo	Nd	Ni	Pb	Rb	S	Sb	Sc	Se	Sm	Sr	Ta	Tb	Th	U	V	W	Y	Yb	Zn	Zr
Unit		ppm	ppm	wt.%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit			10000																												
Lower Detection Limit		0.5, 1.3	1	0.001	0.1, 0.3	0.5	1 to 6	5	0.2	0.05	2	5	1, 20	5	20	0.001	0.2	0.1	3, 6	0.1	2	1, 2	0.5	0.5, 0.7	0.5	5	1 to 4	1	0.1, 0.2	1	2
Analysis Method		INAA	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	FUS-ICP	INAA	TD-ICP	FUS-ICP
GS-07-004	7741181	5.3	26	-99	1.2	1.6	-1	-5	11.9	0.21	3	11	40	115	130	0.097	0.8	19.9	-3	3.1	553	-1	-0.5	0.5	6.3	202	-3	18	1.6	501	71
GS-07-012	7741184	-0.5	80	-99	1.6	10.2	-1	-5	86.6	1.13	2	68	5	96	-20	0.426	0.3	1.4	-3	15.3	34	2	1.5	7.5	24.4	72	-3	89	7.6	230	529
GS-07-013	7741185	-0.5	9	-99	3.6	11.2	-1	-5	137	1.21	2	103	4	84	-20	0.059	-0.2	2.0	-3	21.9	80	-1	1.7	15.3	258	61	-3	111	7.5	92	740
GS-07-040	7741191	-0.5	25	-99	-0.1	18.4	-1	-5	257	-0.05	-2	668	16	2810	-20	0.282	1.4	11.2	-3	-0.1	91	-1	-0.5	8.9	7210	386	-3	117	9.7	368	490
GS-07-041	7741192	1.8	6	-99	1.3	2.0	-1	-5	18.6	0.22	-2	16	65	138	100	0.034	0.5	29.4	-3	4.1	606	-1	-0.5	0.6	27.6	231	-3	30	2.8	728	76
GS-07-043	7741193	-0.5	19	-99	1.8	4.7	-1	-5	71.5	-0.05	-2	-5	51	1360	-20	0.164	1.0	20.5	-3	-0.1	267	-1	1.6	3.4	1540	215	-3	65	4.3	1880	171
GS-07-048	7741194	-0.5	18	-99	-0.1	4.9	-1	-5	79.3	-0.05	-2	-5	17	506	-20	0.012	0.5	8.0	-3	-0.1	283	-1	-0.5	-0.5	2390	249	-3	14	-0.1	104	211
GS-07-051	7741196	-0.5	6	-99	1.0	3.0	-1	-5	19.8	-0.05	-2	24	19	11	40	0.010	0.3	8.4	-3	4.7	281	-1	-0.5	-0.5	11.3	102	-3	10	0.7	103	156
GS-07-056	7741198	-0.5	6	-99	0.6	1.9	-1	-5	14.7	0.30	-2	-5	137	-5	-20	0.004	-0.2	43.2	-3	2.1	46	-1	0.6	-0.5	7.2	234	-3	18	2.2	146	77
GS-07-062	7741201	-0.5	13	-99	-0.1	4.2	-1	-5	24.2	-0.05	-2	26	20	88	-20	0.047	-0.2	8.3	-3	7.5	672	-1	-0.5	3.2	329	109	-3	10	0.8	81	198
GS-07-071	7741206	-0.5	5	-99	1.0	3.2	-1	-5	35.4	-0.05	-2	21	40	154	-20	0.313	0.4	17.9	-3	7.4	280	-1	-0.5	2.1	300	113	-3	32	2.4	5190	157
GS-07-089	7741212	-0.5	13	-99	2.5	3.3	-1	-5	43.8	-0.05	-2	61	14	99	-20	0.012	-0.2	3.6	-3	-0.1	111	-1	-0.5	3.4	1050	43	10	7	0.6	90	111
GS-07-092	7741213	-0.5	174	-99	2.2	3.4	-1	-5	27.3	-0.05	2	36	9	45	-20	0.021	-0.2	3.3	-3	-0.1	174	-1	-0.5	4.8	588	48	-3	10	0.7	32	144
GS-07-103	7741217	-0.5	49	-99	2.4	3.9	-1	-5	46.0	-0.05	-2	45	8	105	-20	0.012	-0.2	2.4	-3	-0.1	125	-1	-0.5	4.1	1030	28	-3	8	0.4	77	152
GS-07-112	7741218	14.6	5	-99	3.1	2.2	-1	-5	43.5	-0.05	-2	62	400	98	260	0.010	1.9	46.3	-3	10.1	313	-1	1.1	3.0	344	334	-3	53	3.2	1140	71
GS-07-116	7741222	-0.5	39	-99	0.7	2.7	-1	-5	18.6	0.08	2	15	23	7	50	0.278	0.8	14.4	-3	3.0	265	-1	-0.5	5.6	5.9	127	-3	11	0.9	46	112
GS-07-117	7741223	-0.5	12	-99	3.0	4.0	-1	-5	42.1	-0.05	-2	-5	25	102	-20	0.034	0.9	13.7	-3	8.1	124	2	-0.5	6.7	601	181	-3	18	1.1	69	157
GS-07-121	7741224	-0.5	80	-99	1.6	2.7	-1	-5	26.0	0.13	-2	23	20	16	-20	0.170	1.9	21.9	-3	5.4	823	-1	0.6	3.5	4.0	194	-3	20	1.9	66	110
GS-07-124	7741226	-0.5	18	-99	-0.1	12.3	-1	-5	-99	-99	-2	-99	2	343	-20	0.017	1.0	1.5	-3	-99	65	3	2.3	16.7	765	381	-3	91	6.7	1590	525
GS-07-125	7741227	-0.5	3	-99	3.1	15.1	-1	-5	169	-0.05	-2	143	3	910	-20	-0.001	1.8	1.1	-3	-0.1	51	4	-0.5	20.5	2210	177	-3	81	6.2	19	569
GS-07-126	7741228	5.1	168	-99	2.4	5.8	-1	-5	62.2	-0.05	389	134	24	441	70	0.336	7.8	6.4	-3	18.1	70	-1	-0.5	10.2	1310	57	12	25	2.3	9	225
GS-07-129	7741231	-0.5	132	-99	-0.1	14.1	-1	-5	245	-0.05	10	-5	9	558	-20	0.021	6.6	4.7	-3	-0.1	83	-1	-0.5	23.2	5870	-5	26	56	4.1	36	341
GS-07-139	7741237	-0.5	13	-99	2.4	4.7	-1	-5	35.4	-0.05	-2	49	40	89	80	0.012	3.4	3.0	10	11.0	34	-1	0.7	8.2	286	72	13	46	5.2	11	191
GS-07-141	7741239	-0.5	75	-99	1.7	6.5	-1	-5	85.6	-0.05	-2	-5	18	213	-20	0.007	0.5	5.6	-3	-0.1	195	-1	-0.5	3.4	2030	187	9	12	-0.1	69	158
GS-07-154	7741248	-0.5	1	-99	2.4	1.1	-1	-5	24.1	-0.05	-2	40	35	54	-20	0.005	1.2	19.5	-3	15.5	69	-1	1.4	0.9	562	117	11	82	5.0	223	79
GS-07-157	7741249	-0.5	476	-99	1.9	3.8	-1	-5	55.7	-0.05	955	-5	87	252	-20	4.060	0.2	24.9	-3	18.2	157	-1	-0.5	6.6	819	374	13	28	2.4	112	169
GS-07-206	7741258	-0.5	588	-99	0.5	0.6	-1	-5	2.5	0.11	7	-5	94	7	-20	0.033	1.3	22.8	-3	1.0	251	-1	-0.5	-0.5	11.6	965	7	8	1.0	105	39
GS-07-212	7741259	-0.5	13	-99	-0.1	1.2	-1	-5	78.2	-0.05	2	-5	12	692	-20	0.314	1.0	1.0	-3	-0.1	43	-1	-0.5	-0.5	2190	114	10	-1	-0.1	29	19
GS-07-221	7741261	-0.5	76	-99	5.9	17.5	-1	-5	119	-0.05	2	95	9	370	-20	0.026	1.1	15.3	-3	-0.1	157	-1	-0.5	23.2	1640	187	-3	70	4.0	66	1106
GS-07-227	7741262	-0.5	57	-99	2.0	2.5	-1	-5	45.9	-0.05	-2	-5	51	364	-20	0.009	1.0	25.9	-3	20.2	438	-1	0.7	1.8	1070	776	-3	34	2.0	366	65
GS-07-255	7741265	-0.5	3	-99	-0.1	14.8	-1	-5	224	-0.05	-2	-5	4	990	-20	0.054	0.4	4.8	-3	-0.1	225	-1	1.8	25.6	3250	64	16	61	4.6	46	763
GS-07-256	7741266	2.5	179	-99	1.5	5.7	-1	-5	77.7	-0.05	-2	-5	85	751	-20	0.005	-0.2	32.3	-3	-0.1	739	-1	-0.5	3.2	1920	2020	-3	20	1.7	212	184
GS-07-262	7741271	-0.5	18	-99	1.5	4.8	-1	-5	43.2	0.34	3	33	7	25	60	0.094	0.3	12.9	-3	6.6	289	-1	-0.5	8.7	9.9	78	-3	26	2.7	89	215
GS-07-263	7741272	-0.5	4	-99	-0.1	8.3	-1	-5	222	-0.05	2	-5	7	1680	-20	0.013	0.5	14.3	-3	-0.1	359	-1	-0.5	12.6	5180	269	22	62	4.1	155	243
GS-07-272	7741277	-0.5	120	-99	1.7	2.8	-1	-5	13.6	-0.05	-2	26	35	349	-20	0.075	1.5	30.8	-3	6.0	161	-1	-0.5	2.0	267	593	-3	38	3.0	120	105
GS-08-003	7741293	-0.5	24	-99	1.9	1.6	-1	-5	-99	-99	-2	-99	81	48	-20	0.013	1.8	46.9	-3	-99	215	-1	-0.5	-0.5	830	235	10	31	2.0	77	47
GS-08-019	7741296	3.0	559	-99	1.5	3.2	-1	-5	24.3	0.30	-2	10	58	19	-20	1.630	0.7	35.6	-3	3.4	218	-1	0.9	3.3	9.7	344	-3	22	1.7	93	122
GS-08-021	7741297	2.2	123	-99	1.1	2.5	-1	-5	12.0	0.41	-2	-5	54	33	-20	0.058	0.8	45.3	-3	2.7	187	-1	-0.5	2.3	3.9	353	-3	23	2.1	116	97
GS-08-022	7741298	-0.5	195	-99	2.0	3.5	-1	-5	-99	-99	30	-99	56	148	-20	0.123	1.0	35.6	-3	-99	171	-1	-0.5	3.2	398	316	-3	24	1.5	153	120
GS-08-023	7741299	-1.3	219	-99	-0.3	-0.5	-6	-5	-99	-99	81	-99	51	1880	130	0.085	1.7	33.4	-6	-99	241	-2	-0.5	-0.7	7200	277	-4	25	-0.2	498	82
GS-08-026	7741301	-0.5	890	-99	1.3	2.8	-1	-5	23.0	0.36	96	7	74	25	-20	2.120	0.6	31.5	-3	2.9	161	-1	-0.5	3.2	22.5	294	-3	21	1.8	129	105
GS-08-031	7741303	-0.5	169	-99	1.0	2.5	-1	-5	17.0	0.34	2	10	56	14	-20	1.460	-0.2	26.6	-3	2.5	60	-1	0.6	2.4	5.8	281	-3	18	1.6	150	99
GS-08-033	7741304	1.5	70	-99	0.8	7.0	-1	-5	101	0.38	8	34	3	631	-20	0.728	-0.2	1.6	-3	6.0	85	1	-0.5	11.0	33.1	10	-3	23	2.0	3850	231
GS-08-034	7741305	-0.5	65	-99	-0.1	6.8	-1	-5	98.4	0.34	4	27	2	267	70	0.231	0.4	1.6	-3	6.0	96	-1	-0.5	11.2	46.3	15	-3	24	2.1	760	229
GS-08-058	7741317	2.6	19	-99	1.4	4.0	-1	-5	10.1	0.53	-2	13	34	10	-20	0.026	2.7	38.1	-3	3.0	258	-1	0.8	1.1	13.7	590	-3	33	3.4	82	195
GS-08-059	7741318	-0.5	35	-99	0.3	-0.5	-1	-5	1.4	-0.05	-2	-5	17	7	-20	0.016	0.3	2.4	-3	0.3	58	-1	-0.5	-0.5	8.8	285	-3	2	0.2	41	38
GS-08-060	7741319	1.3	12	-99	-0.1	-0.5	-1	-5	-99	-99	-2	-99	25	172	-20	0.048	1.1	4.6	-3	-99	92	-1	-0.5	-0.5	910	587	6	3	-0.1	44	22
GS-08-061	7741321	-0.5	11	-99	-0.1	-0.5	-1	-5	1.3	-0.05	-2	-5	10	-5	-20	0.021	0.4	3.0	-3	-0.1	40	-1	-0.5	-0.5	8.8	210	-3	-1	-0.1	27	8
GS-08-062	7741322	-0.5	39	-99	1.4	2.4	-1	-5	6.9	0.54	-2	6	46	8	-20	0.069	2.0	32.3	-3	2.6	299	-1	-0.5	-0.5	9.5	792	5	35	3.3	83	164
GS-08-064	7741323	-0.5	5	-99	0.5	1.2	-1	-5	2.1	0.23	-2	-5	76	-5	-20	0.021	1.8	31.0	-3	0.6	281	-1	-0.5	-0.5	3.4	854	-3	8	1.1	105	44
GS-08-065	7741324	-0.5	7	-99	-0.1	1.8	-1	-5	15.2	-0.05	-2	-5	73	26	-20	0.016	2.4	26.7	-3	-0.1	211	-1	-0.5	0.7	178	277	-3	11	0.9	70	91
GS-08-066	7741325	-0.5	133	-99	0.4	-0.5	-1	-5	2.6	0.25	-2	-5	78	-5	-20	0.018	1.1	33.9	-3	0.6	155	1	-0.5	-0.5	10.7	235	-3	11	1.1	51	44
GS-08-135	7741336	-0.5	125	-99	-0.1	0.6	-1	-5	-99	-99	7	-99	404	115	-20	0.049	1.6	3.5	32	-99	32	-1	-0.5	0.8	92.4	814	-3	20	0.8	777	22
GS-08-192	7741351	1.3	3	-99	-0.1	5.6	-1	-5	44.3	0.54	-2	12	4	48	162	0.008	0.4	2.3	-3	2.3	21	-1	-0.5	23.6	9.9	12	3	24	2.7	70	123
GS-08-202	7741353	-0.5	3	-99	1.6	10.4	-1	-5	90.3	0.72	-2	40	1	27	55	0.009	-0.2	7.5	-3	7.6	97	-1	1.3	14.9	5.8	16	-3	44	4.1	82	480

Open File LAB/1692 - Appendix B1: Raw Data and Detection Limits - Actlabs: 4E-Exploration

SampleNum	LabNum	Cs	Cu	Cu	Eu	Hf	Hg	Ir	La	Lu	Mo	Nd	Ni	Pb	Rb	S	Sb	Sc	Se	Sm	Sr	Ta	Tb	Th	U	V	W	Y	Yb	Zn	Zr
Unit		ppm	ppm	wt.%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit			10000																												
Lower Detection Limit		0.5, 1.3	1	0.001	0.1, 0.3	0.5	1 to 6	5	0.2	0.05	2	5	1, 20	5	20	0.001	0.2	0.1	3, 6	0.1	2	1, 2	0.5	0.5, 0.7	0.5	5	1 to 4	1	0.1, 0.2	1	2
Analysis Method		INAA	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	FUS-ICP	INAA	TD-ICP	FUS-ICP
GS-08-203	7741354	-0.5	2	-99	2.4	12.9	-1	-5	134	1.10	9	57	2	105	79	0.109	0.6	14.4	-3	11.8	100	-1	2.1	20.0	152	36	-3	77	5.6	156	637
GS-08-211	7741355	-0.5	1	-99	2.2	5.5	-1	-5	54.8	0.82	-2	26	28	59	-20	0.037	1.5	25.7	-3	5.2	213	-1	1.5	10.4	217	168	-3	64	4.3	131	265
GS-08-212	7741356	-0.5	8	-99	0.8	7.0	-1	-5	94.5	0.49	11	38	1	79	-20	0.046	-0.2	3.9	-3	6.2	55	3	-0.5	16.2	36.2	28	-3	30	2.3	132	316
GS-08-213	7741357	2.0	1	-99	1.8	9.3	-1	-5	-99	-99	-2	-99	-1	353	-20	0.017	-0.2	6.6	-3	-99	150	-1	2.5	23.3	1070	86	-3	74	4.0	91	479
GS-08-214	7741358	-0.5	-1	-99	-0.1	12.7	-1	-5	175	1.22	-2	64	2	77	-20	0.035	0.6	5.0	-3	10.4	99	5	-0.5	18.2	299	77	-3	69	7.0	68	543
GS-08-218	7741361	-0.5	2	-99	3.4	19.9	-4	-5	-99	-99	-2	-99	2	534	-20	0.017	-0.2	8.2	-3	-99	128	-1	-0.5	15.8	2990	158	-3	117	8.2	134	1204
GS-08-219	7741362	-0.5	2	-99	1.6	10.4	-1	-5	-99	-99	-2	-99	2	279	-20	0.009	-0.2	2.6	-3	-99	47	3	0.6	7.0	785	6	-3	46	2.5	56	589
GS-08-220	7741363	1.3	3	-99	2.1	7.8	-1	-5	133	0.62	2	56	1	23	48	0.055	-0.2	2.4	-3	9.8	38	-1	0.9	10.6	27.3	-5	-3	37	3.3	81	416
GS-08-228	7741366	1.9	37	-99	-0.1	3.2	-1	-5	-99	-99	-2	-99	47	209	35	0.022	1.4	17.9	-3	-99	1031	-1	0.9	1.4	687	315	13	19	1.0	98	123
GS-08-237	7741368	2.3	22	-99	2.0	12.1	-1	-5	78.6	0.84	-2	43	4	25	120	0.044	0.7	9.8	-3	8.1	154	-1	1.6	12.1	10.1	33	-3	58	4.8	89	643
GS-08-239	7741371	2.2	106	-99	2.9	5.9	-1	-5	54.2	0.45	2	24	20	13	-20	0.142	0.5	19.7	-3	5.9	345	2	1.1	7.3	7.1	73	-3	35	2.3	109	283
GS-08-240	7741372	-0.5	32	-99	-0.1	7.0	-1	-5	-99	-99	-2	-99	20	587	-20	0.050	-0.2	18.2	-3	-99	505	-1	-0.5	10.9	1900	124	-3	40	2.6	180	431
GS-08-241	7741373	-0.5	7	-99	3.1	6.2	-1	-5	62.1	0.43	-2	23	21	56	-20	0.056	0.8	21.1	-3	5.4	404	-1	1.1	8.1	130	123	-3	36	2.2	162	310
GS-08-252A	7741382	-0.5	8	-99	-0.1	4.8	-1	-5	-99	-99	-2	-99	1	430	-20	0.002	-0.2	4.4	-3	-99	425	-1	-0.5	8.1	295	54	-3	28	4.8	176	211
GS-08-255	7741384	-0.5	4	-99	2.2	10.0	-1	-5	-99	-99	-2	-99	2	938	-20	0.003	0.7	9.7	-3	-99	341	-1	-0.5	13.9	832	49	-3	47	6.1	246	550
GS-08-269	7741395	2.0	2	-99	0.7	4.6	-1	-5	-99	-99	2	-99	2	250	54	0.016	1.3	4.9	-3	-99	256	-1	-0.5	16.5	326	49	6	16	1.0	38	222
GS-08-270	7741396	-0.5	1	-99	-0.1	5.1	-1	-5	-99	-99	-2	-99	7	656	-20	0.006	1.0	4.8	-3	-99	254	-1	-0.5	15.6	1270	93	-3	18	1.3	52	251
GS-08-294	7741417	-0.5	1	-99	0.9	4.2	-1	-5	34.4	0.40	-2	13	7	9	-20	0.034	0.7	4.5	-3	3.5	135	-1	-0.5	7.1	10.2	33	-3	24	2.3	32	165
GS-08-296	7741418	2.7	1800	-99	1.9	3.9	-1	-5	21.9	0.61	-2	18	64	22	137	0.247	2.6	30.6	-3	4.8	164	-1	1.3	0.7	16.9	473	-3	43	3.3	194	178
GS-09-004	7741423	-0.5	14	-99	2.2	2.2	-1	-5	39.8	-0.05	-2	68	24	81	-20	0.005	-0.2	7.8	-3	21.8	109	-1	-0.5	2.4	1060	108	-3	12	1.5	105	116
GS-09-008	7741424	-0.5	53	-99	1.5	4.6	-1	-5	47.1	-0.05	-2	-5	8	72	-20	0.008	-0.2	2.2	-3	17.7	100	-1	-0.5	6.2	992	30	-3	6	-0.1	70	197
GS-09-017	7741425	-0.5	8	-99	-0.1	1.7	-1	-5	15.5	-0.05	-2	-5	5	83	-20	0.664	-0.2	1.5	-3	6.0	270	-1	-0.5	2.5	320	11	6	3	0.5	25	105
GS-09-034	7741427	-0.5	22	-99	-0.1	2.1	-1	-5	36.3	-0.05	-2	-5	4	85	-20	0.011	-0.2	2.8	-3	18.5	102	-1	-0.5	2.9	1020	51	10	8	0.4	27	110
GS-09-038	7741428	-0.5	12	-99	-0.1	1.8	-1	-5	25.0	-0.05	-2	33	6	48	-20	0.021	-0.2	2.1	-3	9.4	144	-1	-0.5	2.9	508	14	5	5	-0.1	43	78
GS-09-042	7741429	-0.5	13	-99	0.9	2.7	-1	-5	41.1	-0.05	-2	56	3	99	-20	0.016	-0.2	3.2	-3	13.9	177	-1	-0.5	6.4	697	18	8	4	0.5	41	118
GS-09-055	7741433	-0.5	97	-99	-0.1	5.5	-1	-5	107	-0.05	4	268	29	1370	-20	0.130	0.4	6.6	-3	52.9	286	-1	-0.5	4.4	2870	279	15	11	-0.1	95	143
GS-09-057	7741434	-0.5	11	-99	2.4	5.9	-1	-5	146	-0.05	-2	81	6	9	-20	0.068	-0.2	2.2	-3	6.6	98	-1	-0.5	11.5	16.1	63	-3	8	0.8	111	238
GS-09-058	7741435	-0.5	964	-99	1.0	1.8	-1	-5	22.0	-0.05	-2	44	12	342	-20	0.118	-0.2	5.1	-3	12.0	79	-1	-0.5	2.8	698	251	8	3	-0.1	154	106
GS-09-061	7741438	-0.5	-10000	2.25	4.0	6.9	-1	-5	66.6	-0.05	263	195	145	1060	-20	6.090	3.7	12.5	-3	37.9	50	-1	-0.5	6.4	1860	397	-3	22	2.1	249	173
GS-09-071	7741443	-0.5	55	-99	5.6	8.8	-1	-5	30.3	4.26	2	19	23	32	-20	0.013	-0.2	88.8	-3	12.2	230	-1	4.5	213	141	356	-3	315	27.1	50	197
GS-09-089	7741445	-0.5	55	-99	1.3	4.6	-1	-5	83.2	-0.05	-2	-5	14	462	-20	0.024	1.8	9.2	-3	29.4	246	-1	-0.5	5.8	1560	311	-3	23	1.9	41	168
GS-09-108	7741453	-0.5	34	-99	2.5	6.8	-1	-5	113	-0.05	-2	191	65	1040	-20	0.010	0.8	9.9	-3	-0.1	198	-1	-0.5	5.4	2900	122	14	27	1.8	52	2313
GS-09-131	7741466	4.7	26	-99	0.7	8.0	-1	-5	58.4	0.67	-2	48	2	28	250	0.008	1.1	3.3	-3	6.5	22	-1	-0.5	29.4	65.6	17	-3	37	4.4	41	259
GS-09-133	7741467	4.8	19	-99	0.7	6.8	-1	-5	59.3	-0.05	-2	54	6	77	140	0.004	0.7	11.8	-3	10.1	41	-1	-0.5	25.8	292	41	5	31	3.3	28	235
GS-09-191	7741487	-0.5	-10000	2.39	1.3	-0.5	-1	-5	33.4	-0.05	-2	31	76	268	-20	3.290	2.9	10.4	-3	7.1	288	-1	-0.5	5.9	266	1072	351	19	2.2	2750	352
GS-09-203	7741488	-0.5	132	-99	1.4	2.3	-1	-5	16.6	-0.05	-2	30	117	104	-20	0.022	0.8	38.3	-3	8.4	447	-1	-0.5	1.2	395	3117	-3	20	2.2	165	64
GS-09-206	7741491	-0.5	494	-99	0.8	7.8	-1	-5	116	-0.05	-2	104	1	974	-20	0.057	2.9	2.0	-3	24.0	24	-1	-0.5	9.7	1220	250	12	43	4.2	736	303
GS-09-210	7741494	-0.5	44	-99	2.0	20.0	-1	-5	142	-0.05	-2	126	1	377	-20	0.004	0.7	0.9	-3	28.8	31	-1	4.0	43.7	844	841	-3	128	15.9	230	1064
GS-09-214	7741497	-0.5	88	-99	1.3	3.7	-1	-5	59.9	-0.05	-2	76	45	322	-20	0.020	1.5	15.1	-3	24.5	196	-1	-0.5	10.7	1020	725	-3	46	3.8	71	273
GS-09-215	7741498	3.1	4860	-99	2.3	2.9	-1	-5	76.2	-0.05	3	40	37	204	-20	0.422	0.9	21.7	25	8.6	472	-1	-0.5	4.9	250	1421	10	27	2.3	115	153
GS-09-217	7741499	4.5	144	-99	1.1	2.0	-1	-5	33.9	-0.05	-2	29	58	55	60	0.746	0.3	9.6	-3	4.7	240	-1	-0.5	7.4	101	1063	5	13	1.3	260	88
GS-09-218	7741501	-0.5	7	-99	2.0	2.2	-1	-5	32.6	-0.05	37	34	38	211	-20	0.007	1.2	31.2	-3	11.7	346	-1	-0.5	4.4	486	173	10	28	2.9	45	131
GS-14-108	7741518	-0.5	23	-99	0.7	1.3	-1	-5	9.4	0.06	7	11	80	-5	70	0.720	0.8	7.5	-3	1.9	14	-1	-0.5	1.3	2.5	82	-3	7	0.7	30	56
GS-14-110	7741519	-0.5	44	-99	2.9	-0.5	-1	-5	15.7	4.67	-2	-5	25	31	-20	0.034	1.6	40.8	-3	9.1	238	-1	-0.5	231	94.6	320	-3	251	24.5	36	97
GS-14-137	7741521	-0.5	4	-99	0.7	5.6	-1	-5	33.4	0.67	3	27	6	-5	-20	0.075	1.7	3.3	-3	5.0	150	-1	-0.5	8.8	10.5	49	-3	29	2.4	31	170
GS-14-138	7741522	-0.5	36	-99	-0.1	7.3	-1	-5	40.3	-0.05	-2	37	15	160	-20	0.062	3.4	9.1	-3	2.1	147	-1	-0.5	8.7	469	207	-3	39	3.0	88	250
GS-14-140	7741524	-0.5	593	-99	-0.1	6.3	-1	-5	37.3	-0.05	-2	69	33	52	-20	0.082	2.1	15.0	-3	3.5	163	-1	-0.5	7.5	269	196	-3	36	3.5	145	220
GS-14-143	7741525	-0.5	253	-99	1.5	5.4	-1	-5	41.5	-0.05	2	250	7	899	90	0.146	2.5	4.3	186	-0.1	82	-1	-0.5	10.3	1340	242	-3	38	3.5	87	157
GS-14-144	7741526	-0.5	13	-99	0.7	8.3	-1	-5	35.9	0.69	-2	40	8	167	110	0.021	1.5	4.9	42	2.9	51	-1	-0.5	11.6	22.3	146	-3	20	2.1	47	210
GS-14-145	7741527	-0.5	3	-99	0.7	5.4	-1	-5	30.1	0.52	2	39	9	15	110	0.034	1.8	3.9	-3	3.8	61	-1	-0.5	8.7	8.7	34	-3	20	2.2	30	197
GS-14-146	7741528	3.8	3	-99	1.1	7.5	-1	-5	39.5	0.43	2	47	8	-5	150	0.004	1.2	4.6	-3	4.7	33	-1	-0.5	7.3	2.0	60	-3	20	1.7	34	282
GS-14-147	7741529	-0.5	6	-99	2.3	7.6	-1	-5	34.3	-0.05	3	41	7	24	120	0.927	1.8	4.7	-3	3.7	60	-1	-0.5	12.8	103	254	-3	25	2.6	105	243
GS-14-148	7741531	2.0	12	-99	1.6	4.7	-1	-5	29.9	-0.05	8	34	13	182	110	1.520	2.1	5.1	-3	0.2	162	-1	-0.5	12.0	402	476	-3	27	2.8	707	186
GS-14-149	7741532	2.8	8	-99	0.6	6.4	-1	-5	34.2	0.72	-2	22	7	11	140	0.037	0.7	4.6	-3	4.7	125	-1	-0.5	10.4	18.9	276	-3	23	2.9	53	218
GS-14-162	7741538	3.5	5	-99	0.9	8.7	-1	-5	54.8	0.58	3	48	11	9	110	0.082	2.9	6.8	-3	7.5	77	-1	-0.5	14.3	7.1	30	-3	32	3.3	40	260
GS-14-164	7741539	-0.5	80	-99	0.4	4.5	-1	-5	7.2	0.27	-2	-5	113	-5	-20	0.031	-0.2	47.4	-3	2.8	45	-1	-0.5	-0.5	-0.5	423	-3	19	2.0	143	116

Open File LAB/1692 - Appendix B1: Raw Data and Detection Limits - Actlabs: 4E-Exploration

SampleNum	LabNum	Cs	Cu	Cu	Eu	Hf	Hg	Ir	La	Lu	Mo	Nd	Ni	Pb	Rb	S	Sb	Sc	Se	Sm	Sr	Ta	Tb	Th	U	V	W	Y	Yb	Zn	Zr
Unit		ppm	ppm	wt.%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit			10000																												
Lower Detection Limit		0.5, 1.3	1	0.001	0.1, 0.3	0.5	1 to 6	5	0.2	0.05	2	5	1, 20	5	20	0.001	0.2	0.1	3, 6	0.1	2	1, 2	0.5	0.5, 0.7	0.5	5	1 to 4	1	0.1, 0.2	1	2
Analysis Method		INAA	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	FUS-ICP	INAA	TD-ICP	FUS-ICP
GS-14-165	7741541	-0.5	84	-99	-0.1	3.1	-1	-5	15.9	0.25	5	16	25	-5	-20	0.121	2.5	33.9	-3	2.8	58	-1	-0.5	3.2	3.3	308	-3	14	1.6	82	118
GS-14-166	7741542	-0.5	123	-99	1.1	7.2	-1	-5	37.6	0.36	-2	26	59	-5	180	0.042	2.7	30.5	-3	7.0	21	-1	-0.5	4.6	1.5	226	-3	20	1.9	63	263
GS-14-167	7741543	-0.5	-1	-99	-0.1	-0.5	-1	-5	2.5	-0.05	-2	-5	6	16	-20	0.086	0.7	0.7	-3	-0.1	124	-1	-0.5	0.6	19.1	24	-3	10	0.4	10	6
GS-14-183	7741545	-0.5	19	-99	-0.1	3.3	-1	-5	5.6	0.48	-2	-5	1	-5	-20	0.055	-0.2	1.2	6	3.4	22	15	-0.5	6.3	18.8	-5	-3	24	2.2	9	36
GS-14-185	7741546	-0.5	3	-99	-0.1	4.8	-1	-5	6.6	0.45	-2	-5	2	-5	330	0.003	1.0	9.1	-3	3.1	25	11	-0.5	22.0	9.4	11	-3	19	2.1	73	59
GS-14-187	7741547	-0.5	3	-99	-0.1	2.2	-1	-5	3.7	0.21	2	-5	2	19	270	0.005	0.5	1.0	-3	0.4	97	-1	-0.5	14.5	8.3	5	-3	3	-0.1	10	49
GS-14-189	7741548	-0.5	2	-99	0.6	3.7	-1	-5	32.1	0.30	-2	27	45	-5	-20	0.017	-0.2	9.6	-3	3.8	381	-1	-0.5	8.9	13.7	79	-3	10	1.1	88	101
GS-14-191	7741549	-0.5	2	-99	-0.1	5.4	-1	-5	2.5	0.33	-2	-5	2	19	160	0.005	0.4	1.5	-3	0.5	68	-1	-0.5	28.3	8.5	9	-3	10	1.5	10	114
GS-14-193	7741551	6.0	67	-99	-0.1	5.6	-1	-5	8.1	0.24	-2	-5	18	-5	110	0.272	1.7	20.6	-3	1.8	54	-1	-0.5	5.9	1.3	204	-3	15	1.5	55	166
GS-14-194	7741552	-0.5	90	-99	0.8	3.1	-1	-5	9.5	0.30	4	-5	86	19	-20	1.620	2.2	29.1	-3	3.0	100	-1	-0.5	2.8	4.8	225	-3	14	1.8	258	116
GS-14-195	7741553	-0.5	1	-99	-0.1	4.7	-1	-5	35.7	0.31	-2	17	2	-5	210	0.010	1.2	1.8	-3	2.8	130	-1	-0.5	15.5	6.7	6	-3	11	1.4	20	152
GS-15-028	7741574	-0.5	4780	-99	-0.1	3.0	-1	-5	5.7	-0.05	3	31	47	161	-20	0.160	2.3	30.8	-3	-0.1	244	-1	-0.5	-0.5	490	2313	-3	18	-0.1	93	121
GS-15-037	7741575	-0.5	22	-99	0.4	-0.5	-1	-5	2.3	0.39	-2	18	71	51	-20	0.023	3.7	31.5	-3	0.9	148	-1	-0.5	-0.5	30.3	2638	-3	11	1.6	108	72
GS-15-040	7741576	-0.5	28	-99	0.4	-0.5	-1	-5	4.0	-0.05	-2	9	53	144	-20	0.092	0.8	5.4	-3	0.3	155	-1	-0.5	-0.5	109	745	-3	7	1.1	102	75
GS-15-045	7741577	-0.5	312	-99	1.2	-0.5	-1	-5	3.7	-0.05	-2	6	79	30	-20	0.104	0.9	33.8	-3	-0.1	213	-1	-0.5	-0.5	172	339	-3	11	0.9	87	29
GS-15-050	7741578	-0.5	34	-99	0.6	-0.5	-1	-5	7.0	-0.05	-2	15	52	29	-20	0.061	3.1	27.4	-3	0.6	236	-1	-0.5	-0.5	172	1065	-3	22	1.6	79	62
GS-15-054	7741579	-0.5	330	-99	-0.1	-0.5	-1	-5	4.9	-0.05	7	70	57	384	-20	0.069	3.2	32.3	-3	-0.1	165	-1	-0.5	-0.5	1080	1103	-3	14	-0.1	56	72
GS-15-141	7741593	-0.5	2	-99	-0.1	10.0	-1	-5	52.9	-0.05	-2	63	27	268	-20	0.008	1.1	18.6	-3	-0.1	310	-1	-0.5	7.3	1060	202	-3	29	-0.1	129	654
GS-15-156	7741596	-0.5	4	-99	-0.1	9.0	-1	-5	85.8	-0.05	-2	65	2	208	-20	0.170	0.8	3.6	-3	1.7	35	-1	-0.5	19.3	518	491	-3	33	3.0	96	325
GS-15-158	7741597	-0.5	40	-99	-0.1	4.0	-1	-5	28.9	-0.05	-2	158	53	791	-20	0.013	3.9	25.1	-3	-0.1	103	-1	-0.5	-0.5	2430	1224	-3	35	1.4	220	141
GS-15-159	7741598	-0.5	6	-99	0.5	5.0	-1	-5	20.2	-0.05	-2	14	17	104	-20	0.030	2.5	8.0	-3	2.8	144	-1	-0.5	5.0	169	775	-3	26	2.7	78	195
GS-15-160	7741599	-0.5	1750	-99	-0.1	5.0	-1	-5	27.5	-0.05	-2	189	74	891	-20	0.173	4.0	29.6	-3	-0.1	312	-1	-0.5	-0.5	2710	2555	-3	41	-0.1	296	218
GS-15-161	7741601	-0.5	408	-99	-0.1	9.0	-1	-5	50.3	-0.05	548	215	17	2560	-20	0.095	3.9	7.2	-3	-0.1	180	-1	-0.5	9.5	3490	282	-3	47	-0.1	74	265
GS-15-162	7741602	-0.5	6	-99	0.6	5.0	-1	-5	27	0.42	5	20	3	16	-20	0.018	1.2	3.0	-3	4.1	62	-1	-0.5	8.5	19.5	32	-3	26	2.0	17	144
GS-15-166	7741603	-0.5	9	-99	1.4	8.0	-1	-5	64.2	-0.05	-2	82	71	209	-20	0.005	7.1	17.9	-3	-0.1	246	-1	-0.5	1.6	1090	211	-3	33	-0.1	98	253
GS-15-180	7741607	2.0	28	-99	-0.1	8.0	-1	-5	35.2	-0.05	-2	40	2	128	130	0.007	1.5	1.6	-3	-0.1	53	-1	-0.5	8.8	383	12	-3	13	-0.1	186	264
GS-15-186	7741611	-0.5	204	-99	-0.1	7.0	-1	-5	51	-0.05	4	68	2	408	130	0.514	1.2	8.3	-3	-0.1	58	-1	-0.5	8.7	788	51	-3	41	-0.1	7080	236
GS-15-195	7741615	-0.5	536	-99	-0.1	-0.5	-1	-5	41.7	-0.05	2	52	42	463	-20	0.035	4.1	16.4	-3	-0.1	170	-1	-0.5	3.9	972	377	-3	28	-0.1	161	151
GS-15-203	7741616	-0.5	69	-99	-0.1	-0.5	-1	-5	3.1	-0.05	-2	10	118	76	-20	0.159	1.1	36.7	-3	-0.1	248	-1	-0.5	-0.5	146	450	-3	13	-0.1	104	46
MG-15-011	7741617	-0.5	152	-99	-0.1	-0.5	-1	-5	3.5	0.21	-2	-5	119	-5	-20	0.279	-0.2	38.3	-3	1.2	141	-1	-0.5	-0.5	7.6	288	-3	14	2.1	78	49
MG-15-015	7741618	-0.5	799	-99	-0.1	-0.5	-1	-5	2.3	0.07	-2	-5	84	14	-20	0.033	1.8	30.8	-3	0.8	270	-1	-0.5	-0.5	7.2	1054	-3	13	1.7	99	44
MG-15-018	7741619	-0.5	95	-99	0.9	2.0	-1	-5	6.1	0.08	-2	-5	70	9	-20	0.103	0.2	26.0	-3	2.2	131	-1	-0.5	-0.5	15.2	262	-3	20	2.0	66	69
MG-15-019	7741621	-0.5	83	-99	0.6	2.0	-1	-5	6.8	0.21	-2	-5	84	-5	-20	0.089	1.3	28.8	-3	2.0	228	-1	-0.5	-0.5	8.0	300	-3	16	2.0	76	88
MG-15-020	7741622	-0.5	28	-99	0.4	-0.5	-1	-5	4.2	0.08	-2	-5	83	20	-20	0.005	3.8	34.2	-3	1.5	264	-1	-0.5	-0.5	10.6	1453	-3	15	2.0	89	109
MG-15-023	7741623	-0.5	150	-99	-0.1	-0.5	-1	-5	2.5	-0.05	6	-5	66	15	-20	1.570	2.9	34.7	-3	0.2	165	-1	-0.5	-0.5	69.6	729	-3	12	1.5	79	49
MG-15-025	7741624	-0.5	940	-99	-0.1	-0.5	-1	-5	10.7	-0.05	6	98	62	693	-20	0.385	7.4	35.2	-3	-0.1	196	-1	-0.5	-0.5	2010	1189	-3	17	-0.1	144	57
MG-15-027	7741625	-0.5	1230	-99	-0.1	-0.5	-1	-5	3.4	-0.05	-2	-5	66	302	-20	0.183	3.4	36.7	-3	-0.1	220	-1	-0.5	-0.5	114	863	-3	10	1.3	93	37
MG-15-028	7741626	-0.5	20	-99	0.2	-0.5	-1	-5	3.8	0.09	-2	-5	93	13	-20	3.640	7.1	28.6	-3	1.0	183	-1	-0.5	-0.5	12.2	661	-3	10	1.4	64	52
MG-15-030	7741627	-0.5	5680	-99	0.3	4.0	-1	-5	29.9	0.09	40	24	141	15	-20	3.990	6.5	16.3	-3	3.3	195	-1	-0.5	6.6	11.4	449	-3	20	1.9	37	157
MG-15-032	7741628	-0.5	80	-99	0.2	-0.5	-1	-5	31.5	-0.05	-2	-5	53	171	-20	0.094	1.9	9.9	-3	-0.1	210	-1	-0.5	7.2	350	214	-3	11	-0.1	122	121

Open File LAB/1692 - Appendix B2: Duplicates Data and Detection Limits - ActLabs; 4E-Exploration

DuplicateID	Control	AnalysisYr	Analysis	ActlabWt	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr
Unit				grams	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																											
Lower Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.5	2	5	2, 3	1	2	1	0.5	3	1	1
Analysis Method					FUS-	FUS-		FUS-	FUS-	FUS-	FUS-	FUS-	FUS-	FUS-			TD-			FUS-	FUS-	TD-		TD-			
				INAA	ICP	ICP	FUS-ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Grav	Calc	ICP	INAA	INAA	ICP	ICP	ICP	INAA	ICP	INAA	INAA	INAA
for 34 samples GS-07-004 to 272																											
GS-07-056 Orig	original	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	0.6	-99	-99	-99
GS-07-056 Dup	duplicate	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	0.5	-99	-99	-99
GS-07-089 Orig	original	2007	Actlabs: 4E-Expl	1.23	63.64	16.73	3.13	2.64	0.05	7.74	1.4	0.16	0.06	0.292	2.73	98.58	1.3	2	-5	82	2	-2	-1	-0.5	86	7	44
GS-07-089 Split	split	2007	Actlabs: 4E-Expl	1.25	65.79	16.28	3.22	2.75	0.06	7.95	1.43	0.28	0.06	0.301	2.79	100.9	1.0	3	-5	87	2	-2	-1	-0.5	92	5	41
GS-07-112 Orig	original	2007	Actlabs: 4E-Expl	-99	39.28	17.21	13.69	8.38	1.08	0.66	8.58	4.51	0.45	1.222	3.23	98.29	-99	-99	-99	178	9	-99	-99	-99	-99	-99	-99
GS-07-112 Dup	duplicate	2007	Actlabs: 4E-Expl	-99	39.15	17.32	13.90	8.37	1.09	0.72	8.39	4.73	0.42	1.192	3.23	98.52	-99	-99	-99	185	8	-99	-99	-99	-99	-99	-99
GS-07-255 Orig	original	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
GS-07-255 Dup	duplicate	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.6	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
GS-07-262 Orig	original	2007	Actlabs: 4E-Expl	-99	65.08	15.14	5.71	1.48	0.13	4.89	3.02	4.03	0.26	0.686	0.57	101.0	-99	-99	-99	1142	2	-99	-99	-99	-99	-99	-99
GS-07-262 Dup	duplicate	2007	Actlabs: 4E-Expl	-99	64.24	15.05	5.59	1.48	0.13	4.91	3.00	3.90	0.26	0.682	0.57	99.81	-99	-99	-99	1138	2	-99	-99	-99	-99	-99	-99
for 41 samples, ICP, GS-08-003 to 296, GS-07-124																											
GS-08-061 Orig	original	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
GS-08-061 Dup	duplicate	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
GS-08-219 Orig	original	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.7	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
GS-08-219 Dup	duplicate	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.6	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
GS-08-237 Orig	original	2008	Actlabs: 4E-Expl	-99	67.16	14.69	5.06	0.87	0.02	3.92	2.31	5.21	0.24	0.777	0.55	100.8	-0.5	-99	-99	982	3	-2	-99	-0.5	-99	-99	-99
GS-08-237 Split	split	2008	Actlabs: 4E-Expl	-99	66.84	14.61	5.12	0.86	0.02	3.94	2.29	5.37	0.24	0.776	0.51	100.6	-0.5	-99	-99	974	3	-2	-99	-0.5	-99	-99	-99
GS-07-296 Orig	original	2008	Actlabs: 4E-Expl	-99	77.26	13.02	1.59	0.32	-0.01	3.05	0.32	3.95	0.04	0.149	1.07	100.8	-0.5	-99	-99	487	2	-2	-99	-0.5	-99	-99	-99
GS-07-296 Split	split	2008	Actlabs: 4E-Expl	-99	77.48	12.97	1.57	0.32	-0.01	3.08	0.32	3.84	0.03	0.148	1.10	100.9	0.5	-99	-99	484	2	-2	-99	-0.5	-99	-99	-99
for 41 samples, INAA, GS-08-003 to 296, GS-07-124																											
GS-08-237 Orig	original	2008	Actlabs: 4E-Expl	1.80	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	27	-5	-99	-99	-99	-1	-99	126	9	14
GS-08-237 Split PULP DUP	split	2008	Actlabs: 4E-Expl	2.00	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	8	-5	-99	-99	-99	-1	-99	129	8	13
GS-07-296 Orig	original	2008	Actlabs: 4E-Expl	1.76	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3	-5	-99	-99	-99	-1	-99	-99	3	12
GS-07-296 Split PULP DUP	split	2008	Actlabs: 4E-Expl	1.80	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3	-5	-99	-99	-99	-1	-99	-99	-1	11
for 23 samples GS-09-004 to 218																											
GS-09-061 Orig	original	2009	Actlabs: 4E-Expl	1.63	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	38	170	-99	-99	-99	-1	-99	157	60	155
GS-09-061 Dup	duplicate	2009	Actlabs: 4E-Expl	1.44	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	39	154	-99	-99	-99	-1	-99	162	62	152
GS-09-108 Orig	original	2009	Actlabs: 4E-Expl	-99	46.43	13.16	7.50	4.55	0.12	4.61	10.68	0.05	0.66	1.366	10.3	99.41	3.2	-99	-99	339	3	-2	-99	-0.5	-99	-99	-99
GS-09-108 Dup	duplicate	2009	Actlabs: 4E-Expl	-99	46.55	13.22	7.59	4.45	0.12	4.59	10.79	0.05	0.65	1.382	10.3	99.66	7.1	-99	-99	47	3	-2	-99	-0.5	-99	-99	-99
GS-09-214 Orig	original	2009	Actlabs: 4E-Expl	1.57	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	8	-5	-99	-99	-99	-1	-99	115	24	84
GS-09-214 Dup	duplicate	2009	Actlabs: 4E-Expl	1.59	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	8	-5	-99	-99	-99	-1	-99	111	22	83
for 25 samples GS-14-108 to 195																											
GS-14-165 Orig	original	2015	Actlabs: 4E-Expl	-99	54.84	16.79	11.87	3.19	0.05	3.79	0.12	1.89	0.05	1.076	4.69	98.34	-99	-99	-99	532	1	-99	-99	-99	-99	-99	-99
GS-14-165 Dup	duplicate	2015	Actlabs: 4E-Expl	-99	55.50	16.32	11.74	3.19	0.05	3.84	0.12	1.93	0.05	1.064	4.69	98.48	-99	-99	-99	543	1	-99	-99	-99	-99	-99	-99
GS-14-195 Orig	original	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
GS-14-195 Dup	duplicate	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
for 29 samples GS-15-028 to 203, MG-15-11 to 32																											
GS-15-159 Orig	original	2015	Actlabs: 4E-Expl	-99	54.96	15.21	8.95	1.90	0.10	7.85	4.72	0.13	0.13	1.059	4.51	99.52	-99	-99	-99	1149	1	-99	-99	-99	-99	-99	-99
GS-15-159 Dup	duplicate	2015	Actlabs: 4E-Expl	-99	55.52	14.79	8.85	1.92	0.09	7.90	4.76	0.14	0.12	1.090	3.72	98.90	-99	-99	-99	1203	1	-99	-99	-99	-99	-99	-99
MG-15-027 Orig	original	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.8	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
MG-15-027 Dup	duplicate	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.6	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
MG-15-028 Orig	original	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
MG-15-028 Dup	duplicate	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99
MG-15-032 Orig	original	2015	Actlabs: 4E-Expl	-99	53.94	15.15	6.87	2.32	0.06	8.57	3.64	0.09	0.03	0.488	8.21	99.36	-99	-99	-99	388	1	-99	-99	-99	-99	-99	-99
MG-15-032 Dup	duplicate	2015	Actlabs: 4E-Expl	-99	54.52	14.92	6.91	2.31	0.06	8.50	3.67	0.09	0.04	0.480	8.21	99.71	-99	-99	-99	386	1	-99	-99	-99	-99	-99	-99

Open File LAB/1692 - Appendix B2: Duplicates Data and Detection Limits - ActLabs; 4E-Exploration

DuplicateID	Cs	Cu	Cu	Eu	Hf	Hg	Ir	La	Lu	Mo	Nd	Ni	Pb	Rb	S	Sb	Sc	Se	Sm	Sr	Ta	Tb	Th	U	V	W	Y	Yb	Zn	Zr
Unit	ppm	ppm	wt.%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit		10000																												
Lower Detection Limit	0.5	1	0.001	0.1	0.5	1	5	0.2	0.05	2	5	1	5	20	0.001	0.2	0.1	3	0.1	2	1	0.5	0.5	0.5	5	3	1	0.1	1	2
Analysis Method	INAA	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	FUS-ICP	INAA	TD-ICP	FUS-ICP
for 34 samples GS-07-004 to																														
GS-07-056 Orig	-99	6	-99	-99	-99	-99	-99	-99	-99	-2	-99	136	-5	-99	0.005	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	146	-99
GS-07-056 Dup	-99	5	-99	-99	-99	-99	-99	-99	-99	-2	-99	137	-5	-99	0.003	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	145	-99
GS-07-089 Orig	-0.5	13	-99	2.5	3.3	-1	-5	43.8	-0.05	-2	61	14	99	-20	0.012	-0.2	3.6	-3	-1	111	-1	-0.5	3.4	1050	43	10	7	0.6	90	111
GS-07-089 Split	-0.5	12	-99	1.9	2.5	-1	-5	45.0	-0.05	-2	65	14	103	-20	0.007	-0.2	3.6	-3	-0.1	114	-1	-0.5	2.2	1050	43	13	7	0.5	76	115
GS-07-112 Orig	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	316	-99	-99	-99	-99	350	-99	52	-99	-99	67
GS-07-112 Dup	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	310	-99	-99	-99	-99	318	-99	54	-99	-99	75
GS-07-255 Orig	-99	3	-99	-99	-99	-99	-99	-99	-99	2	-99	4	984	-99	0.050	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	45	-99
GS-07-255 Dup	-99	3	-99	-99	-99	-99	-99	-99	-99	-2	-99	3	995	-99	0.059	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	46	-99
GS-07-262 Orig	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	290	-99	-99	-99	-99	83	-99	25	-99	-99	227
GS-07-262 Dup	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	288	-99	-99	-99	-99	73	-99	27	-99	-99	203
for 41 samples, ICP, GS-08-(																														
GS-08-061 Orig	-99	11	-99	-99	-99	-99	-99	-99	-99	-2	-99	10	6	-99	0.021	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	26	-99
GS-08-061 Dup	-99	11	-99	-99	-99	-99	-99	-99	-99	2	-99	10	-5	-99	0.020	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	28	-99
GS-08-219 Orig	-99	2	-99	-99	-99	-99	-99	-99	-99	-2	-99	2	273	-99	0.009	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	55	-99
GS-08-219 Dup	-99	2	-99	-99	-99	-99	-99	-99	-99	-2	-99	2	285	-99	0.009	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	56	-99
GS-08-237 Orig	-99	22	-99	-99	-99	-99	-99	-99	-99	-2	-99	4	25	-99	0.044	-99	-99	-99	-99	154	-99	-99	-99	-99	33	-99	58	-99	89	643
GS-08-237 Split	-99	26	-99	-99	-99	-99	-99	-99	-99	2	-99	4	25	-99	0.049	-99	-99	-99	-99	152	-99	-99	-99	-99	32	-99	57	-99	91	594
GS-07-296 Orig	-99	3	-99	-99	-99	-99	-99	-99	-99	368	-99	3	98	-99	0.009	-99	-99	-99	-99	33	-99	-99	-99	-99	-5	-99	33	-99	20	183
GS-07-296 Split	-99	3	-99	-99	-99	-99	-99	-99	-99	392	-99	2	98	-99	0.009	-99	-99	-99	-99	32	-99	-99	-99	-99	-5	-99	33	-99	21	184
for 41 samples, INAA, GS-0(																														
GS-08-237 Orig	2.3	-99	-99	2.0	12.1	-1	-5	78.6	0.84	-99	43	-99	-99	120	-99	0.7	9.8	-3	8.1	-99	-1	1.6	12.1	10.1	-99	-3	-99	4.8	-99	-99
GS-08-237 Split PULP DUP	1.8	-99	-99	1.9	12.1	-1	-5	83.1	0.87	-99	44	-99	-99	96	-99	0.7	10.2	-3	8.5	-99	-1	2.1	12.6	6.9	-99	-3	-99	4.9	-99	-99
GS-07-296 Orig	2.6	-99	-99	-0.1	5.8	-1	-5	-99	-99	-99	-99	-99	-99	91	-99	1.6	8.1	-3	-99	-99	-1	-0.5	13.4	549	-99	10	-99	3.1	-99	-99
GS-07-296 Split PULP DUP	1.3	-99	-99	-0.1	6.0	-1	-5	-99	-99	-99	-99	-99	-99	114	-99	1.7	7.8	-3	-99	-99	-1	-0.5	12.8	552	-99	10	-99	2.7	-99	-99
for 23 samples GS-09-004 to																														
GS-09-061 Orig	-0.5	-99	-99	3.9	8.3	-1	-5	67.4	-0.05	-99	199	-99	-99	-20	-99	3.8	12.6	-3	35.5	-99	-1	-0.5	6.6	1860	-99	-3	-99	2.0	-99	-99
GS-09-061 Dup	-0.5	-99	-99	4.0	5.6	-1	-5	65.8	-0.05	-99	191	-99	-99	-20	-99	3.6	12.3	-3	40.3	-99	-1	-0.5	6.2	1850	-99	10	-99	2.2	-99	-99
GS-09-108 Orig	-99	33	-99	-99	-99	-99	-99	-99	-99	-2	-99	65	1050	-99	0.007	-99	-99	-99	-99	198	-99	-99	-99	-99	121	-99	28	-99	52	2265
GS-09-108 Dup	-99	34	-99	-99	-99	-99	-99	-99	-99	-2	-99	65	1040	-99	0.014	-99	-99	-99	-99	199	-99	-99	-99	-99	123	-99	26	-99	51	2361
GS-09-214 Orig	-0.5	-99	-99	1.4	3.5	-1	-5	60.8	-0.05	-99	79	-99	-99	-20	-99	1.4	15.5	-3	24.5	-99	-1	-0.5	11.6	1040	-99	11	-99	3.8	-99	-99
GS-09-214 Dup	2.8	-99	-99	1.3	3.8	-1	-5	59.0	-0.05	-99	73	-99	-99	-20	-99	1.6	14.7	-3	24.5	-99	-1	0.6	9.8	1010	-99	-3	-99	3.8	-99	-99
for 25 samples GS-14-108 to																														
GS-14-165 Orig	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	58	-99	-99	-99	-99	306	-99	14	-99	-99	116
GS-14-165 Dup	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	59	-99	-99	-99	-99	311	-99	13	-99	-99	119
GS-14-195 Orig	-99	1	-99	-99	-99	-99	-99	-99	-99	-2	-99	2	-5	-99	0.010	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	19	-99
GS-14-195 Dup	-99	1	-99	-99	-99	-99	-99	-99	-99	-2	-99	1	-5	-99	0.010	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	21	-99
for 29 samples GS-15-028 to																														
GS-15-159 Orig	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	145	-99	-99	-99	-99	768	-99	25	-99	-99	190
GS-15-159 Dup	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	143	-99	-99	-99	-99	781	-99	26	-99	-99	200
MG-15-027 Orig	-99	1230	-99	-99	-99	-99	-99	-99	-99	-2	-99	65	298	-99	0.180	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	95	-99
MG-15-027 Dup	-99	1230	-99	-99	-99	-99	-99	-99	-99	-2	-99	67	307	-99	0.186	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	90	-99
MG-15-028 Orig	-99	22	-99	-99	-99	-99	-99	-99	-99	-2	-99	93	13	-99	3.560	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	63	-99
MG-15-028 Dup	-99	19	-99	-99	-99	-99	-99	-99	-99	-2	-99	94	12	-99	3.710	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	64	-99
MG-15-032 Orig	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	212	-99	-99	-99	-99	213	-99	11	-99	-99	121
MG-15-032 Dup	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	209	-99	-99	-99	-99	215	-99	11	-99	-99	122

Open File LAB/1692 - Appendix B3: Standards Data and Detection Limits - Actlabs: 4E-Exploration

StandardID	Control	AnalysisYr	Analysis	ActlabWt	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs
Unit				grams	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																												
Lower Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.5	2	5	2, 3	1	2	1	0.5	3	1	1	0.5
Analysis Method				INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	TD-ICP	INAA	INAA	FUS-ICP	FUS-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA
for 34 samples GS-07-004 to 272																												
GXR-1 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	29.5	-99	-99	-99	-99	1380	-99	4.2	-99	-99	-99	-99
GXR-1 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	31.0	-99	-99	-99	-99	1380	-99	3.3	-99	-99	-99	-99
NIST 694 Meas	standard	2007	Actlabs: 4E-Expl	-99	11.42	1.98	0.72	0.32	0.01	0.88	43.02	0.56	30.16	0.117	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Cert	certified	2007	Actlabs: 4E-Expl	-99	11.20	1.80	0.79	0.33	0.0116	0.86	43.60	0.51	30.20	0.110	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Meas	standard	2007	Actlabs: 4E-Expl	-99	47.15	18.57	9.86	10.21	0.15	1.95	11.36	0.19	0.07	0.489	-99	-99	-0.5	-99	-99	108	-1	-2	-99	-99	-99	-99	-99	-99
DNC-1 Cert	certified	2007	Actlabs: 4E-Expl	-99	47.00	18.30	9.93	10.10	0.149	1.87	11.3	0.234	0.09	0.480	-99	-99	0.027	-99	-99	114	1	0.02	-99	-99	-99	-99	-99	-99
BIR-1 Meas	standard	2007	Actlabs: 4E-Expl	-99	47.75	15.62	11.26	9.68	0.17	1.83	13.33	0.03	0.02	0.963	-99	-99	-99	-99	-99	11	1	-99	-99	-99	-99	-99	-99	-99
BIR-1 Cert	certified	2007	Actlabs: 4E-Expl	-99	47.8	15.40	11.30	9.68	0.171	1.75	13.20	0.03	0.05	0.960	-99	-99	-99	-99	-99	7	0.58	-99	-99	-99	-99	-99	-99	-99
GXR-4 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.8	-99	-99	-99	-99	18	-99	0.7	-99	-99	-99	-99
GXR-4 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.0	-99	-99	-99	-99	19	-99	0.86	-99	-99	-99	-99
GXR-2 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	18.6	-99	-99	-99	-99	-2	-99	2.8	-99	-99	-99	-99
GXR-2 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	17.0	-99	-99	-99	-99	0.69	-99	4.1	-99	-99	-99	-99
SDC-1 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
SDC-1 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.041	-99	-99	-99	-99	2.6	-99	0.08	-99	-99	-99	-99
SCO-1 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
SCO-1 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.134	-99	-99	-99	-99	0.37	-99	0.14	-99	-99	-99	-99
GXR-6 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.6	-99	-99	-99	-99	-2	-99	1.3	-99	-99	-99	-99
GXR-6 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.3	-99	-99	-99	-99	0.29	-99	1.0	-99	-99	-99	-99
FK-N Meas	standard	2007	Actlabs: 4E-Expl	-99	64.86	18.20	0.09	-0.01	-0.01	2.40	0.11	12.81	0.02	0.006	-99	-99	-99	-99	-99	203	1	-99	-99	-99	-99	-99	-99	-99
FK-N Cert	certified	2007	Actlabs: 4E-Expl	-99	65.00	18.60	0.09	0.01	0.005	2.58	0.11	12.80	0.024	0.020	-99	-99	-99	-99	-99	200	1	-99	-99	-99	-99	-99	-99	-99
NIST 1633b Meas	standard	2007	Actlabs: 4E-Expl	-99	49.91	28.97	11.39	0.79	0.02	0.28	2.22	2.37	0.59	1.324	-99	-99	-99	-99	-99	727	-99	-99	-99	-99	-99	-99	-99	-99
NIST 1633b Cert	certified	2007	Actlabs: 4E-Expl	-99	49.20	28.40	11.10	0.80	0.02	0.27	2.11	2.35	0.53	1.320	-99	-99	-99	-99	-99	709	-99	-99	-99	-99	-99	-99	-99	-99
SY-3 Meas	standard	2007	Actlabs: 4E-Expl	-99	59.48	11.84	6.15	2.59	0.32	4.25	8.00	4.49	0.45	0.136	-99	-99	-99	-99	-99	451	22	-99	-99	-99	-99	-99	-99	-99
SY-3 Cert	certified	2007	Actlabs: 4E-Expl	-99	59.60	11.80	6.49	2.67	0.32	4.12	8.25	4.23	0.54	0.150	-99	-99	-99	-99	-99	450	20	-99	-99	-99	-99	-99	-99	-99
W-2a Meas	standard	2007	Actlabs: 4E-Expl	-99	52.06	15.13	10.79	6.41	0.17	2.21	11.08	0.63	0.14	1.072	-99	-99	-99	-99	-99	170	2	-99	-99	-99	-99	-99	-99	-99
W-2a Cert	certified	2007	Actlabs: 4E-Expl	-99	52.40	15.40	10.70	6.37	0.163	2.14	10.90	0.626	0.13	1.060	-99	-99	-99	-99	-99	182	1.3	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 696 Meas	standard	2007	Actlabs: 4E-Expl	-99	3.65	53.01	8.43	-0.01	-0.01	-99	0.03	-0.01	0.05	2.563	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 696 Cert	certified	2007	Actlabs: 4E-Expl	-99	3.79	54.50	8.70	0.012	0.004	-99	0.018	0.009	0.05	2.640	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DMMAS-104 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1550	201	-99	-99	-99	-99	-99	65	44	93	-99
DMMAS-104 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1570	229	-99	-99	-99	-99	-99	62.9	48.8	95.1	-99
DMMAS-104 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1600	213	-99	-99	-99	-99	-99	68	44	99	-99
DMMAS-104 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1570	229	-99	-99	-99	-99	-99	62.9	48.8	95.1	-99
DMMAS-104 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1570	240	-99	-99	-99	-99	-99	67	44	96	-99
DMMAS-104 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1570	229	-99	-99	-99	-99	-99	62.9	48.8	95.1	-99
DMMAS-104 Meas	standard	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1570	251	-99	-99	-99	-99	-99	65	45	93	-99
DMMAS-104 Cert	certified	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1570	229	-99	-99	-99	-99	-99	62.9	48.8	95.1	-99
JSD-3 Meas	standard	2007	Actlabs: 4E-Expl	-99	75.66	9.72	4.17	1.11	0.14	0.41	0.56	1.94	0.09	0.412	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
JSD-3 Cert	certified	2007	Actlabs: 4E-Expl	-99	76.00	9.908	4.368	1.17	0.148	0.411	0.56	1.971	0.082	0.403	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	blank	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
Method Blank	blank	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
Method Blank	blank	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
Method Blank	blank	2007	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
for 41 samples GS-08-003 to 296 and GS-07-124																												
GXR-1 Meas	standard	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	30.5	-99	-99	-99	-99	1380	-99	3.3	-99	-99	-99	-99
GXR-1 Cert	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	31.0	-99	-99	-99	-99	1380	-99	3.3	-99	-99	-99	-99
WMG-1 Meas	standard	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
WMG-1 Cert	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Meas	standard	2008	Actlabs: 4E-Expl	-99	11.41	1.92	0.76	0.33	0.01	0.87	42.86	0.59	30.15	0.115	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Cert	certified	2008	Actlabs: 4E-Expl	-99	11.20	1.80	0.79	0.33	0.0116	0.86	43.60	0.51	30.20	0.110	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Meas	standard	2008	Actlabs: 4E-Expl	-99	11.08	1.96	0.83	0.33	0.01	0.85	42.96	0.62	30.11	0.116	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Cert	certified	2008	Actlabs: 4E-Expl	-99	11.20	1.80	0.79	0.33	0.0116	0.86	43.60	0.51	30.20	0.110	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Meas	standard	2008	Actlabs: 4E-Expl	-99	47.25	18.67	9.99	10.25	0.15	1.91	11.50	0.28	0.08	0.489	-99	-99	-0.5	-99	-99	103	2	-2	-99	-99	-99	-99	-99	-99
DNC-1 Cert	certified	2008	Actlabs: 4E-Expl	-99	47.00	18.30	9.93	10.10	0.149	1.87	11.3	0.234	0.09	0.480	-99	-99	0.027	-99	-99	114	1	0.02	-99	-99	-99	-99	-99	-99

Open File LAB/1692 - Appendix B3: Standards Data and Detection Limits - Actlabs: 4E-Exploration

StandardID	Control	AnalysisYr	Analysis	ActlabWt	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs
Unit				grams	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																												
Lower Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.5	2	5	2, 3	1	2	1	0.5	3	1	1	0.5
Analysis Method					FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	TD-ICP	INAA	INAA	FUS-ICP	FUS-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA
GBW 07113 Meas	standard	2008	Actlabs: 4E-Expl	-99	71.39	12.50	3.16	0.16	0.14	2.39	0.61	5.44	0.05	0.281	-99	-99	-99	-99	-99	476	5	-99	-99	-99	-99	-99	-99	-99
GBW 07113 Cert	certified	2008	Actlabs: 4E-Expl	-99	72.80	13.00	3.21	0.16	0.14	2.57	0.59	5.43	0.05	0.300	-99	-99	-99	-99	-99	506	4	-99	-99	-99	-99	-99	-99	-99
GXR-4 Meas	standard	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.8	-99	-99	-99	-99	19	-99	-0.5	-99	-99	-99	-99
GXR-4 Cert	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.0	-99	-99	-99	-99	19	-99	0.86	-99	-99	-99	-99
GXR-2 Meas	standard	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	17.8	-99	-99	-99	-99	-2	-99	4.4	-99	-99	-99	-99
GXR-2 Cert	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	17.0	-99	-99	-99	-99	0.69	-99	4.1	-99	-99	-99	-99
SDC-1 Meas	standard	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
SDC-1 Cert	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.041	-99	-99	-99	-99	2.6	-99	0.08	-99	-99	-99	-99
SCO-1 Meas	standard	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
SCO-1 Cert	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.134	-99	-99	-99	-99	0.37	-99	0.14	-99	-99	-99	-99
GXR-6 Meas	standard	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
GXR-6 Cert	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.3	-99	-99	-99	-99	0.29	-99	1.0	-99	-99	-99	-99
NIST 1633b Meas	standard	2008	Actlabs: 4E-Expl	-99	49.00	28.33	11.13	0.77	0.02	0.26	2.17	2.30	0.57	1.300	-99	-99	-99	-99	-99	716	-99	-99	-99	-99	-99	-99	-99	-99
NIST 1633b Cert	certified	2008	Actlabs: 4E-Expl	-99	49.20	28.40	11.10	0.80	0.02	0.27	2.11	2.35	0.53	1.320	-99	-99	-99	-99	-99	709	-99	-99	-99	-99	-99	-99	-99	-99
NIST 1633b Meas	standard	2008	Actlabs: 4E-Expl	-99	49.42	28.81	11.43	0.83	0.02	0.27	2.2	2.38	0.58	1.318	-99	-99	-99	-99	-99	714	-99	-99	-99	-99	-99	-99	-99	-99
NIST 1633b Cert	certified	2008	Actlabs: 4E-Expl	-99	49.20	28.40	11.10	0.80	0.02	0.27	2.11	2.35	0.53	1.320	-99	-99	-99	-99	-99	709	-99	-99	-99	-99	-99	-99	-99	-99
SY-2 Meas	standard	2008	Actlabs: 4E-Expl	-99	60.53	12.18	6.25	2.64	0.32	4.35	8.05	4.64	0.46	0.145	-99	-99	-99	-99	-99	465	21	-99	-99	-99	-99	-99	-99	-99
SY-2 Cert	certified	2008	Actlabs: 4E-Expl	-99	60.10	12.12	6.27	2.70	0.32	4.34	7.98	4.48	0.43	0.140	-99	-99	-99	-99	-99	460	23	-99	-99	-99	-99	-99	-99	-99
W-2a Meas	standard	2008	Actlabs: 4E-Expl	-99	52.34	15.34	10.79	6.37	0.17	2.23	11.00	0.64	0.14	1.082	-99	-99	-99	-99	-99	168	2	-99	-99	-99	-99	-99	-99	-99
W-2a Cert	certified	2008	Actlabs: 4E-Expl	-99	52.40	15.40	10.70	6.37	0.163	2.14	10.90	0.626	0.13	1.060	-99	-99	-99	-99	-99	182	1.3	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Meas	standard	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 696 Meas	standard	2008	Actlabs: 4E-Expl	-99	3.70	53.79	8.75	0.05	-0.01	-99	0.04	-0.01	0.05	2.618	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 696 Cert	certified	2008	Actlabs: 4E-Expl	-99	3.79	54.50	8.70	0.012	0.004	-99	0.018	0.009	0.05	2.640	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
BIR-1a Meas	standard	2008	Actlabs: 4E-Expl	-99	47.17	15.44	11.20	9.61	0.17	1.76	13.33	-0.01	0.03	0.962	-99	-99	-99	-99	-99	5	2	-99	-99	-99	-99	-99	-99	-99
BIR-1a Cert	certified	2008	Actlabs: 4E-Expl	-99	47.8	15.40	11.30	9.68	0.171	1.75	13.20	0.03	0.05	0.960	-99	-99	-99	-99	-99	7	0.58	-99	-99	-99	-99	-99	-99	-99
MICA-Mg Meas	standard	2008	Actlabs: 4E-Expl	-99	36.62	14.57	9.01	20.29	0.25	0.13	0.08	9.60	0.04	1.617	-99	-99	-99	-99	-99	4048	-99	-99	-99	-99	-99	-99	-99	-99
MICA-Mg Cert	certified	2008	Actlabs: 4E-Expl	-99	38.30	15.20	9.46	20.40	0.26	0.12	0.08	10.00	0.01	1.630	-99	-99	-99	-99	-99	4000	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	blank	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
WMG-1	standard	2008	Actlabs: 4E-Expl	1.03	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	7	93	-99	-99	-99	-1	-99	16	215	778	-0.5
WMG-1 Accepted	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	7	110	-99	-99	-99	-99	-99	16	200	770	0.5
DMMAS 107	standard	2008	Actlabs: 4E-Expl	1.21	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2920	542	-99	-99	-99	6	-99	23	72	173	-0.5
DMMAS 107 Accepted	certified	2008	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2980	557	-99	-99	-99	-99	-99	24	74	166	-99
BLANK	blank	2008	Actlabs: 4E-Expl	1.00	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-2	-5	-99	-99	-99	-1	-99	-3	-1	-1	-0.5
for 23 samples GS-09-004 to 218																												
GXR-1 Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	28.2	-99	-99	-99	-99	1360	-99	3.2	-99	-99	-99	-99
GXR-1 Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	31.0	-99	-99	-99	-99	1380	-99	3.3	-99	-99	-99	-99
DH-1a Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DH-1a Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Meas	standard	2009	Actlabs: 4E-Expl	-99	11.27	1.93	0.74	0.36	0.01	0.88	43.64	0.56	30.17	0.119	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Cert	certified	2009	Actlabs: 4E-Expl	-99	11.20	1.80	0.79	0.33	0.0116	0.86	43.60	0.51	30.20	0.110	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Meas	standard	2009	Actlabs: 4E-Expl	-99	47.14	18.81	9.91	10.11	0.15	1.92	11.34	0.22	0.08	0.489	-99	-99	-0.5	-99	-99	107	-1	-2	-99	-99	-99	-99	-99	-99
DNC-1 Cert	certified	2009	Actlabs: 4E-Expl	-99	47.00	18.30	9.93	10.10	0.149	1.87	11.3	0.234	0.09	0.480	-99	-99	0.027	-99	-99	114	1	0.02	-99	-99	-99	-99	-99	-99
GBW 07113 Meas	standard	2009	Actlabs: 4E-Expl	-99	72.64	12.87	3.21	0.15	0.14	2.48	0.59	5.46	0.05	0.284	-99	-99	-99	-99	-99	502	4	-99	-99	-99	-99	-99	-99	-99
GBW 07113 Cert	certified	2009	Actlabs: 4E-Expl	-99	72.80	13.00	3.21	0.16	0.14	2.57	0.59	5.43	0.05	0.300	-99	-99	-99	-99	-99	506	4	-99	-99	-99	-99	-99	-99	-99
GXR-4 Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.3	-99	-99	-99	-99	13	-99	-0.5	-99	-99	-99	-99
GXR-4 Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.0	-99	-99	-99	-99	19	-99	0.86	-99	-99	-99	-99
GXR-2 Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	18.6	-99	-99	-99	-99	-2	-99	4.2	-99	-99	-99	-99
GXR-2 Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	17.0	-99	-99	-99	-99	0.69	-99	4.1	-99	-99	-99	-99
KC-1A Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
KC-1A Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CZN-3 Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CZN-3 Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SDC-1 Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
SDC-1 Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.041	-99	-99	-99	-99	2.6	-99	0.08	-99	-99	-99	-99
SCO-1 Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99

Open File LAB/1692 - Appendix B3: Standards Data and Detection Limits - Actlabs: 4E-Exploration

StandardID	Control	AnalysisYr	Analysis	ActlabWt	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs
Unit				grams	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																												
Lower Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.5	2	5	2, 3	1	2	1	0.5	3	1	1	0.5
Analysis Method					FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	TD-ICP	INAA	INAA	FUS-ICP	FUS-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA
SCO-1 Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.134	-99	-99	-99	-99	0.37	-99	0.14	-99	-99	-99	-99
GXR-6 Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	0.7	-99	-99	-99	-99
GXR-6 Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.3	-99	-99	-99	-99	0.29	-99	1.0	-99	-99	-99	-99
CCU-1C Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CCU-1C Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
PTC-1a Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
PTC-1a Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
W-2a Meas	standard	2009	Actlabs: 4E-Expl	-99	52.75	15.41	10.86	6.37	0.17	2.24	10.83	0.63	0.15	1.088	-99	-99	-99	-99	-99	175	-1	-99	-99	-99	-99	-99	-99	-99
W-2a Cert	certified	2009	Actlabs: 4E-Expl	-99	52.40	15.40	10.70	6.37	0.163	2.14	10.90	0.626	0.13	1.060	-99	-99	-99	-99	-99	182	1.3	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 696 Meas	standard	2009	Actlabs: 4E-Expl	-99	3.82	53.29	8.65	0.03	-0.01	-99	0.04	-0.01	0.04	2.595	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 696 Cert	certified	2009	Actlabs: 4E-Expl	-99	3.79	54.50	8.70	0.012	0.004	-99	0.018	0.009	0.05	2.640	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 14P Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 14P Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SY-4 Meas	standard	2009	Actlabs: 4E-Expl	-99	49.29	20.28	6.08	0.51	0.11	6.93	7.86	1.68	0.13	0.284	-99	-99	-99	-99	-99	350	3	-99	-99	-99	-99	-99	-99	-99
SY-4 Cert	certified	2009	Actlabs: 4E-Expl	-99	49.90	20.69	6.21	0.54	0.108	7.10	8.05	1.66	0.131	0.287	-99	-99	-99	-99	-99	340	2.6	-99	-99	-99	-99	-99	-99	-99
BIR-1a Meas	standard	2009	Actlabs: 4E-Expl	-99	48.12	15.73	11.13	9.71	0.17	1.84	13.36	0.02	0.01	0.962	-99	-99	-99	-99	-99	11	-1	-99	-99	-99	-99	-99	-99	-99
BIR-1a Cert	certified	2009	Actlabs: 4E-Expl	-99	47.8	15.40	11.30	9.68	0.171	1.75	13.20	0.03	0.05	0.960	-99	-99	-99	-99	-99	7	0.58	-99	-99	-99	-99	-99	-99	-99
DMMAS 108-B Meas	standard	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3160	569	-99	-99	-99	-99	-99	36	82	189	-99
DMMAS 108-B Cert	certified	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3160	625	-99	-99	-99	-99	-99	31	81	189	-99
Method Blank	blank	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
Method Blank	blank	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
Method Blank	blank	2009	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	blank	2009	Actlabs: 4E-Expl	1.00	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-2	-5	-99	-99	-99	-1	-99	-3	-1	-1	-0.5
for 25 samples GS-14-108 to 195																												
NIST 694 Meas	standard	2015	Actlabs: 4E-Expl	-99	11.08	1.87	0.73	0.34	0.01	0.88	42.53	0.54	30.16	0.117	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Cert	certified	2015	Actlabs: 4E-Expl	-99	11.20	1.80	0.79	0.33	0.0116	0.86	43.60	0.51	30.20	0.110	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Meas	standard	2015	Actlabs: 4E-Expl	-99	46.84	18.78	9.86	10.14	0.15	1.93	11.46	0.22	0.06	0.485	-99	-99	-99	-99	-99	110	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Cert	certified	2015	Actlabs: 4E-Expl	-99	47.15	18.34	9.97	10.13	0.15	1.89	11.49	0.234	0.07	0.480	-99	-99	-99	-99	-99	118	-99	-99	-99	-99	-99	-99	-99	-99
GBW 07113 Meas	standard	2015	Actlabs: 4E-Expl	-99	72.18	12.75	3.27	0.15	0.14	2.39	0.61	5.38	0.04	0.283	-99	-99	-99	-99	-99	493	4	-99	-99	-99	-99	-99	-99	-99
GBW 07113 Cert	certified	2015	Actlabs: 4E-Expl	-99	72.80	13.00	3.21	0.16	0.14	2.57	0.59	5.43	0.05	0.300	-99	-99	-99	-99	-99	506	4	-99	-99	-99	-99	-99	-99	-99
GXR-4 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.4	-99	-99	-99	-99	19	-99	-0.5	-99	-99	-99	-99
GXR-4 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.0	-99	-99	-99	-99	19	-99	0.86	-99	-99	-99	-99
SDC-1 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SDC-1 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
GXR-6 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
GXR-6 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.3	-99	-99	-99	-99	0.29	-99	1.0	-99	-99	-99	-99
W-2a Meas	standard	2015	Actlabs: 4E-Expl	-99	52.81	15.30	10.87	6.29	0.17	2.25	11.09	0.64	0.16	1.084	-99	-99	-99	-99	-99	181	-1	-99	-99	-99	-99	-99	-99	-99
W-2a Cert	certified	2015	Actlabs: 4E-Expl	-99	52.40	15.40	10.70	6.37	0.163	2.14	10.90	0.626	0.13	1.060	-99	-99	-99	-99	-99	182	1.3	-99	-99	-99	-99	-99	-99	-99
HV-2 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
HV-2 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SY-4 Meas	standard	2015	Actlabs: 4E-Expl	-99	49.64	20.62	6.12	0.51	0.11	7.00	8.15	1.68	0.13	0.290	-99	-99	-99	-99	-99	346	3	-99	-99	-99	-99	-99	-99	-99
SY-4 Cert	certified	2015	Actlabs: 4E-Expl	-99	49.90	20.69	6.21	0.54	0.108	7.10	8.05	1.66	0.131	0.287	-99	-99	-99	-99	-99	340	2.6	-99	-99	-99	-99	-99	-99	-99
BIR-1a Meas	standard	2015	Actlabs: 4E-Expl	-99	47.54	15.67	11.53	9.56	0.17	1.80	13.70	0.02	0.02	0.983	-99	-99	-99	-99	-99	13	-1	-99	-99	-99	-99	-99	-99	-99
BIR-1a Cert	certified	2015	Actlabs: 4E-Expl	-99	47.96	15.50	11.30	9.70	0.175	1.82	13.30	0.03	0.021	0.960	-99	-99	-99	-99	-99	6	0.58	-99	-99	-99	-99	-99	-99	-99
SAR-M (U.S.G.S.) Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.6	-99	-99	-99	-99	-2	-99	4.7	-99	-99	-99	-99
SAR-M (U.S.G.S.) Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.64	-99	-99	-99	-99	1.94	-99	5.27	-99	-99	-99	-99
DNC-1a Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1a Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SBC-1 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
SBC-1 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.7	-99	0.4	-99	-99	-99	-99
OREAS 45d (4-Acid) Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	-99	-99	-99
OREAS 45d (4-Acid) Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.31	-99	-99	-99	-99	-99	-99
DMMAS 117 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1610	1780	-99	-99	-99	-99	-99	32	44	80	-99
DMMAS 117 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1745	1720	-99	-99	-99	-99	-99	31	42	76	-99

Open File LAB/1692 - Appendix B3: Standards Data and Detection Limits - Actlabs: 4E-Exploration

StandardID	Control	AnalysisYr	Analysis	ActlabWt	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs
Unit				grams	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																												
Lower Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.5	2	5	2, 3	1	2	1	0.5	3	1	1	0.5
Analysis Method					FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	TD-ICP	INAA	INAA	FUS-ICP	FUS-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA
Method Blank	blank	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
for 29 samples GS-15-028 to 203, MG-15-011 to 032																												
NIST 694 Meas	standard	2015	Actlabs: 4E-Expl	-99	10.96	1.86	0.74	0.35	0.01	0.84	43.26	0.50	30.22	0.115	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Cert	certified	2015	Actlabs: 4E-Expl	-99	11.20	1.80	0.79	0.33	0.0116	0.86	43.60	0.51	30.20	0.110	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Meas	standard	2015	Actlabs: 4E-Expl	-99	45.91	17.98	9.61	9.62	0.15	1.79	11.54	0.20	0.05	0.462	-99	-99	-99	-99	-99	95	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Cert	certified	2015	Actlabs: 4E-Expl	-99	47.15	18.34	9.97	10.13	0.15	1.89	11.49	0.234	0.07	0.480	-99	-99	-99	-99	-99	118	-99	-99	-99	-99	-99	-99	-99	-99
GBW 07113 Meas	standard	2015	Actlabs: 4E-Expl	-99	73.14	13.70	3.20	0.15	0.14	2.69	0.57	5.60	0.03	0.284	-99	-99	-99	-99	-99	520	4	-99	-99	-99	-99	-99	-99	-99
GBW 07113 Cert	certified	2015	Actlabs: 4E-Expl	-99	72.80	13.00	3.21	0.16	0.14	2.57	0.59	5.43	0.05	0.300	-99	-99	-99	-99	-99	506	4	-99	-99	-99	-99	-99	-99	-99
GXR-4 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.6	-99	-99	-99	-99	12	-99	-0.5	-99	-99	-99	-99
GXR-4 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	4.0	-99	-99	-99	-99	19	-99	0.86	-99	-99	-99	-99
SDC-1 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SDC-1 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
GXR-6 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
GXR-6 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.3	-99	-99	-99	-99	0.29	-99	1.0	-99	-99	-99	-99
W-2a Meas	standard	2015	Actlabs: 4E-Expl	-99	51.02	14.60	10.49	6.08	0.17	2.04	11.17	0.55	0.13	1.033	-99	-99	-99	-99	-99	155	-1	-99	-99	-99	-99	-99	-99	-99
W-2a Cert	certified	2015	Actlabs: 4E-Expl	-99	52.40	15.40	10.70	6.37	0.163	2.14	10.90	0.626	0.13	1.060	-99	-99	-99	-99	-99	182	1.3	-99	-99	-99	-99	-99	-99	-99
SY-4 Meas	standard	2015	Actlabs: 4E-Expl	-99	49.44	20.24	6.16	0.49	0.11	6.78	8.11	1.55	0.13	0.277	-99	-99	-99	-99	-99	323	3	-99	-99	-99	-99	-99	-99	-99
SY-4 Cert	certified	2015	Actlabs: 4E-Expl	-99	49.90	20.69	6.21	0.54	0.108	7.10	8.05	1.66	0.131	0.287	-99	-99	-99	-99	-99	340	2.6	-99	-99	-99	-99	-99	-99	-99
DNC-1a Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1a Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SBC-1 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
SBC-1 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.7	-99	0.4	-99	-99	-99	-99
OREAS 45d (4-Acid) Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-2	-99	-99	-99	-99	-99	-99
OREAS 45d (4-Acid) Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.31	-99	-99	-99	-99	-99	-99
SdAR-M2 (U.S.G.S.) Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-2	-99	5.5	-99	-99	-99	-99
SdAR-M2 (U.S.G.S.) Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.05	-99	5.1	-99	-99	-99	-99
DMMAS 118 Meas	standard	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1720	1760	1170	-99	-99	-99	-99	29	43	81	-99
DMMAS 118 Cert	certified	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1661	1729	1264	-99	-99	-99	-99	30	45	83	-99
Method Blank	blank	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
Method Blank	blank	2015	Actlabs: 4E-Expl	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-99	-2	-99	-0.5	-99	-99	-99	-99
Method Blank	blank	2015	Actlabs: 4E-Expl	1.00	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-2	-5	-99	-99	-99	-1	-99	-3	-1	-1	-0.5

Open File LAB/1692 - Appendix B3: Standards Data and Detection Limits - Actlabs: 4E-Exploration

StandardID	Cu	Cu	Eu	Hf	Hg	Ir	La	Lu	Mo	Nd	Ni	Pb	Rb	S	Sb	Sc	Se	Sm	Sr	Ta	Tb	Th	U	V	W	Y	Yb	Zn	Zr
Unit	ppm	wt.%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit	10000																												
Lower Detection Limit	1	0.001	0.1	0.5	1	5	0.2	0.05	2	5	1	5	20	0.001	0.2	0.1	3	0.1	2	1	0.5	0.5	0.5	5	3	1	0.1	1	2
Analysis Method	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	FUS-ICP	INAA	TD-ICP	FUS-ICP
for 34 samples GS-07-004 to																													
GXR-1 Meas	1110	-99	-99	-99	-99	-99	-99	-99	16	-99	40	727	-99	0.244	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	746	-99
GXR-1 Cert	1110	-99	-99	-99	-99	-99	-99	-99	18	-99	41	730	-99	0.257	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	760	-99
NIST 694 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1601	-99	-99	-99	-99	-99
NIST 694 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1740	-99	-99	-99	-99	-99
DNC-1 Meas	114	-99	-99	-99	-99	-99	-99	-99	-2	-99	249	6	-99	0.070	-99	-99	-99	-99	142	-99	-99	-99	-99	162	-99	17	-99	59	36
DNC-1 Cert	96	-99	-99	-99	-99	-99	-99	-99	0.7	-99	247	6.3	-99	0.039	-99	-99	-99	-99	145	-99	-99	-99	-99	148	-99	18	-99	66	41
BIR-1 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	107	-99	-99	-99	-99	354	-99	15	-99	-99	12
BIR-1 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	108	-99	-99	-99	-99	313	-99	16	-99	-99	16
GXR-4 Meas	5560	-99	-99	-99	-99	-99	-99	-99	313	-99	40	43	-99	1.790	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	70	-99
GXR-4 Cert	6520	-99	-99	-99	-99	-99	-99	-99	310	-99	42	52	-99	1.770	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	73	-99
GXR-2 Meas	72	-99	-99	-99	-99	-99	-99	-99	-2	-99	20	720	-99	0.023	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	540	-99
GXR-2 Cert	76	-99	-99	-99	-99	-99	-99	-99	2.1	-99	21	690	-99	0.031	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	530	-99
SDC-1 Meas	31	-99	-99	-99	-99	-99	-99	-99	-2	-99	36	24	-99	0.067	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
SDC-1 Cert	30	-99	-99	-99	-99	-99	-99	-99	0.25	-99	38	25	-99	0.065	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
SCO-1 Meas	25	-99	-99	-99	-99	-99	-99	-99	-2	-99	25	29	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	95	-99
SCO-1 Cert	28.7	-99	-99	-99	-99	-99	-99	-99	1.37	-99	27	31	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
GXR-6 Meas	58	-99	-99	-99	-99	-99	-99	-99	-2	-99	25	98	-99	0.016	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	122	-99
GXR-6 Cert	66	-99	-99	-99	-99	-99	-99	-99	2.4	-99	27	101	-99	0.016	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	118	-99
FK-N Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	38	-99	-99	-99	-99	65	-99	-1	-99	-99	-2
FK-N Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	39	-99	-99	-99	-99	5	-99	0.5	-99	-99	13
NIST 1633b Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1054	-99	-99	-99	-99	321	-99	-99	-99	-99	-99
NIST 1633b Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1040	-99	-99	-99	-99	296	-99	-99	-99	-99	-99
SY-3 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	269	-99	-99	-99	-99	63	-99	133	-99	-99	290
SY-3 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	302	-99	-99	-99	-99	50	-99	718	-99	-99	320
W-2a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	191	-99	-99	-99	-99	288	-99	22	-99	-99	93
W-2a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	190	-99	-99	-99	-99	262	-99	24	-99	-99	94
OREAS 13P Meas	2740	-99	-99	-99	-99	-99	-99	-99	-99	-99	1930	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	2500	-99	-99	-99	-99	-99	-99	-99	-99	-99	2260	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 696 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	402	-99	-99	-99	-99	1055
NIST 696 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	403	-99	-99	-99	-99	1040
DMMAS-104 Meas	-99	-99	1.6	-99	-99	-99	38.7	0.47	-99	22	-99	-99	-99	-99	6.2	14.1	-99	4.4	-99	-99	-99	8.3	70.0	-99	8	-99	3.0	-99	-99
DMMAS-104 Cert	-99	-99	1.2	-99	-99	-99	36.6	0.4	-99	18.8	-99	-99	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	8.3	71.9	-99	6	-99	3.0	-99	-99
DMMAS-104 Meas	-99	-99	1.3	-99	-99	-99	39.2	0.42	-99	26	-99	-99	-99	-99	6.1	14.2	-99	4.9	-99	-99	-99	8.1	69.5	-99	7	-99	3.3	-99	-99
DMMAS-104 Cert	-99	-99	1.2	-99	-99	-99	36.6	0.4	-99	18.8	-99	-99	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	8.3	71.9	-99	6	-99	3.0	-99	-99
DMMAS-104 Meas	-99	-99	1.6	-99	-99	-99	39.1	0.45	-99	22	-99	-99	-99	-99	6.2	14.5	-99	4.4	-99	-99	-99	8.2	71.5	-99	9	-99	3.0	-99	-99
DMMAS-104 Cert	-99	-99	1.2	-99	-99	-99	36.6	0.4	-99	18.8	-99	-99	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	8.3	71.9	-99	6	-99	3.0	-99	-99
DMMAS-104 Meas	-99	-99	1.5	-99	-99	-99	38.7	0.42	-99	28	-99	-99	-99	-99	6.3	14.4	-99	4.9	-99	-99	-99	8.3	71.7	-99	8	-99	2.9	-99	-99
DMMAS-104 Cert	-99	-99	1.2	-99	-99	-99	36.6	0.4	-99	18.8	-99	-99	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	8.3	71.9	-99	6	-99	3.0	-99	-99
JSD-3 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
JSD-3 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	1	-99	-99	-99	-99	-99	-99	-99	-2	-99	-1	-5	-99	0.001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1	-99
Method Blank	1	-99	-99	-99	-99	-99	-99	-99	-2	-99	1	-5	-99	0.014	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1	-99
Method Blank	-1	-99	-99	-99	-99	-99	-99	-99	-2	-99	-1	-5	-99	0.001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-1	-99
Method Blank	-1	-99	-99	-99	-99	-99	-99	-99	-2	-99	-1	-5	-99	0.001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-1	-99
for 41 samples GS-08-003 to																													
GXR-1 Meas	1170	-99	-99	-99	-99	-99	-99	-99	13	-99	39	716	-99	0.215	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	726	-99
GXR-1 Cert	1110	-99	-99	-99	-99	-99	-99	-99	18	-99	41	730	-99	0.257	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	760	-99
WMG-1 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
WMG-1 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1668	-99	-99	-99	-99	-99
NIST 694 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1740	-99	-99	-99	-99	-99
NIST 694 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1626	-99	-99	-99	-99	-99
NIST 694 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1740	-99	-99	-99	-99	-99
DNC-1 Meas	100	-99	-99	-99	-99	-99	-99	-99	-2	-99	243	7	-99	0.050	-99	-99	-99	-99	143	-99	-99	-99	-99	169	-99	16	-99	57	29
DNC-1 Cert	96	-99	-99	-99	-99	-99	-99	-99	0.7	-99	247	6.3	-99	0.039	-99	-99	-99	-99	145	-99	-99	-99	-99	148	-99	18	-99	66	41

Open File LAB/1692 - Appendix B3: Standards Data and Detection Limits - Actlabs: 4E-Exploration

StandardID	Cu	Cu	Eu	Hf	Hg	Ir	La	Lu	Mo	Nd	Ni	Pb	Rb	S	Sb	Sc	Se	Sm	Sr	Ta	Tb	Th	U	V	W	Y	Yb	Zn	Zr
Unit	ppm	wt.%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit	10000																												
Lower Detection Limit	1	0.001	0.1	0.5	1	5	0.2	0.05	2	5	1	5	20	0.001	0.2	0.1	3	0.1	2	1	0.5	0.5	0.5	5	3	1	0.1	1	2
Analysis Method	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	FUS-ICP	INAA	TD-ICP	FUS-ICP
GBW 07113 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	40	-99	-99	-99	-99	9	-99	45	-99	-99	441
GBW 07113 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	43	-99	-99	-99	-99	5	-99	43	-99	-99	403
GXR-4 Meas	6460	-99	-99	-99	-99	-99	-99	-99	316	-99	48	53	-99	1.840	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	78	-99
GXR-4 Cert	6520	-99	-99	-99	-99	-99	-99	-99	310	-99	42	52	-99	1.770	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	73	-99
GXR-2 Meas	79	-99	-99	-99	-99	-99	-99	-99	-2	-99	20	705	-99	0.014	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	554	-99
GXR-2 Cert	76	-99	-99	-99	-99	-99	-99	-99	2.1	-99	21	690	-99	0.031	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	530	-99
SDC-1 Meas	26	-99	-99	-99	-99	-99	-99	-99	-2	-99	34	18	-99	0.057	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	98	-99
SDC-1 Cert	30	-99	-99	-99	-99	-99	-99	-99	0.25	-99	38	25	-99	0.065	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
SCO-1 Meas	22	-99	-99	-99	-99	-99	-99	-99	-2	-99	25	29	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	91	-99
SCO-1 Cert	28.7	-99	-99	-99	-99	-99	-99	-99	1.37	-99	27	31	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
GXR-6 Meas	67	-99	-99	-99	-99	-99	-99	-99	-2	-99	27	101	-99	0.013	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	134	-99
GXR-6 Cert	66	-99	-99	-99	-99	-99	-99	-99	2.4	-99	27	101	-99	0.016	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	118	-99
NIST 1633b Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1036	-99	-99	-99	-99	305	-99	-99	-99	-99	-99
NIST 1633b Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1040	-99	-99	-99	-99	296	-99	-99	-99	-99	-99
NIST 1633b Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1041	-99	-99	-99	-99	316	-99	-99	-99	-99	-99
NIST 1633b Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1040	-99	-99	-99	-99	296	-99	-99	-99	-99	-99
SY-2 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	277	-99	-99	-99	-99	60	-99	128	-99	-99	282
SY-2 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	275	-99	-99	-99	-99	52	-99	130	-99	-99	280
W-2a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	193	-99	-99	-99	-99	289	-99	21	-99	-99	83
W-2a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	190	-99	-99	-99	-99	262	-99	24	-99	-99	94
OREAS 13P Meas	2580	-99	-99	-99	-99	-99	-99	-99	-99	-99	2060	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	2500	-99	-99	-99	-99	-99	-99	-99	-99	-99	2260	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 696 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	403	-99	-99	-99	-99	1036
NIST 696 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	403	-99	-99	-99	-99	1040
BIR-1a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	107	-99	-99	-99	-99	341	-99	15	-99	-99	4
BIR-1a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	108	-99	-99	-99	-99	313	-99	16	-99	-99	16
MICA-Mg Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	28	-99	-99	-99	-99	95	-99	-1	-99	-99	17
MICA-Mg Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	27	-99	-99	-99	-99	90	-99	0.04	-99	-99	16
Method Blank	-1	-99	-99	-99	-99	-99	-99	-99	-2	-99	-1	-5	-99	-0.001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-1	-99
WMG-1	-99	-99	0.7	1.0	-1	46	8.3	0.21	-99	-5	-99	-99	-20	-99	2.0	27.3	-3	2.2	-99	-1	-0.5	-0.5	-0.5	-99	-3	-99	1.3	-99	-99
WMG-1 Accepted	-99	-99	0.8	1.3	-99	46	8.2	0.21	-99	9	-99	-99	-99	-99	1.8	26.0	-99	2.3	-99	-99	0.3	-99	-99	-99	-99	-99	1.3	-99	-99
DMMAS 107	-99	-99	-0.1	1.3	-1	-5	15.5	0.51	-99	-5	-99	-99	-20	-99	4.7	15.8	-3	3.5	-99	-1	-0.5	2.2	32.5	-99	15	-99	2.4	-99	-99
DMMAS 107 Accepted	-99	-99	-99	-99	-99	-99	15.0	0.54	-99	-99	-99	-99	-99	-99	-99	14.8	-99	3.9	-99	-99	-99	-99	32.9	-99	14	-99	-99	-99	-99
BLANK	-99	-99	-0.1	-0.5	-1	-5	-0.2	-0.05	-99	-5	-99	-99	-20	-99	-0.2	-0.1	-3	-0.1	-99	-1	-0.5	-0.5	-0.5	-99	-3	-99	-0.1	-99	-99
for 23 samples GS-09-004 to																													
GXR-1 Meas	1120	-99	-99	-99	-99	-99	-99	-99	15	-99	43	672	-99	0.203	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	691	-99
GXR-1 Cert	1110	-99	-99	-99	-99	-99	-99	-99	18	-99	41	730	-99	0.257	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	760	-99
DH-1a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	913	2630	-99	-99	-99	-99	-99	-99
DH-1a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	910	2630	-99	-99	-99	-99	-99	-99
NIST 694 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1699	-99	-99	-99	-99	-99
NIST 694 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1740	-99	-99	-99	-99	-99
DNC-1 Meas	99	-99	-99	-99	-99	-99	-99	-99	-2	-99	258	-5	-99	0.052	-99	-99	-99	-99	144	-99	-99	-99	-99	157	-99	16	-99	54	36
DNC-1 Cert	96	-99	-99	-99	-99	-99	-99	-99	0.7	-99	247	6.3	-99	0.039	-99	-99	-99	-99	145	-99	-99	-99	-99	148	-99	18	-99	66	41
GBW 07113 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	42	-99	-99	-99	-99	-5	-99	47	-99	-99	396
GBW 07113 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	43	-99	-99	-99	-99	5	-99	43	-99	-99	403
GXR-4 Meas	6220	-99	-99	-99	-99	-99	-99	-99	307	-99	53	49	-99	1.800	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	70	-99
GXR-4 Cert	6520	-99	-99	-99	-99	-99	-99	-99	310	-99	42	52	-99	1.770	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	73	-99
GXR-2 Meas	85	-99	-99	-99	-99	-99	-99	-99	-2	-99	22	691	-99	0.030	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	549	-99
GXR-2 Cert	76	-99	-99	-99	-99	-99	-99	-99	2.1	-99	21	690	-99	0.031	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	530	-99
KC-1A Meas	-99	0.644	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
KC-1A Cert	-99	0.629	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CZN-3 Meas	-99	0.685	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CZN-3 Cert	-99	0.685	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SDC-1 Meas	31	-99	-99	-99	-99	-99	-99	-99	-2	-99	41	21	-99	0.063	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	97	-99
SDC-1 Cert	30	-99	-99	-99	-99	-99	-99	-99	0.25	-99	38	25	-99	0.065	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
SCO-1 Meas	27	-99	-99	-99	-99	-99	-99	-99	-2	-99	30	25	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	97	-99

Open File LAB/1692 - Appendix B3: Standards Data and Detection Limits - Actlabs: 4E-Exploration

StandardID	Cu	Cu	Eu	Hf	Hg	Ir	La	Lu	Mo	Nd	Ni	Pb	Rb	S	Sb	Sc	Se	Sm	Sr	Ta	Tb	Th	U	V	W	Y	Yb	Zn	Zr
Unit	ppm	wt.%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit	10000																												
Lower Detection Limit	1	0.001	0.1	0.5	1	5	0.2	0.05	2	5	1	5	20	0.001	0.2	0.1	3	0.1	2	1	0.5	0.5	0.5	5	3	1	0.1	1	2
Analysis Method	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	FUS-ICP	INAA	TD-ICP	FUS-ICP
SCO-1 Cert	28.7	-99	-99	-99	-99	-99	-99	-99	1.37	-99	27	31	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
GXR-6 Meas	64	-99	-99	-99	-99	-99	-99	-99	-2	-99	27	83	-99	0.014	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	120	-99
GXR-6 Cert	66	-99	-99	-99	-99	-99	-99	-99	2.4	-99	27	101	-99	0.016	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	118	-99
CCU-1C Meas	-99	25.6	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CCU-1C Cert	-99	25.6	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
PTC-1a Meas	-99	13.5	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
PTC-1a Cert	-99	13.5	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
W-2a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	197	-99	-99	-99	-99	281	-99	20	-99	-99	88
W-2a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	190	-99	-99	-99	-99	262	-99	24	-99	-99	94
OREAS 13P Meas	2560	0.251	-99	-99	-99	-99	-99	-99	-99	-99	2250	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	2500	0.25	-99	-99	-99	-99	-99	-99	-99	-99	2260	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 696 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	406	-99	-99	-99	-99	1008
NIST 696 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	403	-99	-99	-99	-99	1040
OREAS 14P Meas	-99	0.909	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 14P Cert	-99	0.997	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SY-4 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1193	-99	-99	-99	-99	-5	-99	119	-99	-99	551
SY-4 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1191	-99	-99	-99	-99	8	-99	119	-99	-99	517
BIR-1a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	110	-99	-99	-99	-99	341	-99	16	-99	-99	16
BIR-1a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	108	-99	-99	-99	-99	313	-99	16	-99	-99	16
DMMAS 108-B Meas	-99	-99	-99	-99	-99	-99	18.4	-99	-99	-99	-99	-99	-99	-99	-99	16.1	-99	-99	-99	-99	-99	-99	38.6	-99	17	-99	-99	-99	-99
DMMAS 108-B Cert	-99	-99	-99	-99	-99	-99	16.5	-99	-99	-99	-99	-99	-99	-99	-99	16.3	-99	-99	-99	-99	-99	-99	37.8	-99	16	-99	-99	-99	-99
Method Blank	-1	-99	-99	-99	-99	-99	-99	-99	-2	-99	-1	-5	-99	-0.001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-1	-99
Method Blank	-1	-99	-99	-99	-99	-99	-99	-99	-2	-99	-1	-5	-99	-0.001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-1	-99
Method Blank	-99	-0	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	-99	-99	-0.1	-0.5	-1	-5	-0.2	-0.05	-99	-5	-99	-99	-20	-99	-0.2	-0.1	-3	-0.1	-99	-1	-0.5	-0.5	-0.5	-99	-3	-99	-0.1	-99	-99
for 25 samples GS-14-108 to																													
NIST 694 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1643	-99	-99	-99	-99	-99
NIST 694 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1740	-99	-99	-99	-99	-99
DNC-1 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	148	-99	-99	-99	-99	160	-99	17	-99	-99	36
DNC-1 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	144	-99	-99	-99	-99	148	-99	18	-99	-99	38
GBW 07113 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	41	-99	-99	-99	-99	6	-99	45	-99	-99	401
GBW 07113 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	43	-99	-99	-99	-99	5	-99	43	-99	-99	403
GXR-4 Meas	6360	-99	-99	-99	-99	-99	-99	-99	314	-99	40	42	-99	1.760	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	70	-99
GXR-4 Cert	6520	-99	-99	-99	-99	-99	-99	-99	310	-99	42	52	-99	1.770	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	73	-99
SDC-1 Meas	30	-99	-99	-99	-99	-99	-99	-99	-99	-99	36	20	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
SDC-1 Cert	30	-99	-99	-99	-99	-99	-99	-99	-99	-99	38	25	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
GXR-6 Meas	76	-99	-99	-99	-99	-99	-99	-99	2	-99	26	94	-99	0.017	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	134	-99
GXR-6 Cert	66	-99	-99	-99	-99	-99	-99	-99	2.4	-99	27	101	-99	0.016	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	118	-99
W-2a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	200	-99	-99	-99	-99	286	-99	21	-99	-99	89
W-2a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	190	-99	-99	-99	-99	262	-99	24	-99	-99	94
HV-2 Meas	6030	-99	-99	-99	-99	-99	-99	-99	478	-99	3	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	51	-99
HV-2 Cert	5700	-99	-99	-99	-99	-99	-99	-99	480	-99	4.18	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	56	-99
SY-4 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1192	-99	-99	-99	-99	10	-99	117	-99	-99	524
SY-4 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1191	-99	-99	-99	-99	8	-99	119	-99	-99	517
BIR-1a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	110	-99	-99	-99	-99	346	-99	16	-99	-99	16
BIR-1a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	110	-99	-99	-99	-99	310	-99	16	-99	-99	18
SAR-M (U.S.G.S.) Meas	353	-99	-99	-99	-99	-99	-99	-99	13	-99	45	1050	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	981	-99
SAR-M (U.S.G.S.) Cert	331	-99	-99	-99	-99	-99	-99	-99	13.1	-99	41.5	982	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	930	-99
DNC-1a Meas	102	-99	-99	-99	-99	-99	-99	-99	-99	-99	253	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	61	-99
DNC-1a Cert	100	-99	-99	-99	-99	-99	-99	-99	-99	-99	247	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	70	-99
SBC-1 Meas	32	-99	-99	-99	-99	-99	-99	-99	2	-99	83	26	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	186	-99
SBC-1 Cert	31	-99	-99	-99	-99	-99	-99	-99	2.4	-99	82.8	35	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	186	-99
OREAS 45d (4-Acid) Meas	388	-99	-99	-99	-99	-99	-99	-99	-2	-99	243	15	-99	0.045	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	46	-99
OREAS 45d (4-Acid) Cert	371	-99	-99	-99	-99	-99	-99	-99	2.5	-99	231	21.8	-99	0.049	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	45.7	-99
DMMAS 117 Meas	-99	-99	-99	-99	-99	-99	16.8	-99	-99	-99	-99	-99	-99	-99	7.1	6.4	-99	2.3	-99	-99	-99	-99	13.3	-99	-99	-99	-99	-99	-99
DMMAS 117 Cert	-99	-99	-99	-99	-99	-99	15.6	-99	-99	-99	-99	-99	-99	-99	6.7	6.6	-99	2.6	-99	-99	-99	-99	11.8	-99	-99	-99	-99	-99	-99

Open File LAB/1692 - Appendix B3: Standards Data and Detection Limits - Actlabs: 4E-Exploration

StandardID	Cu	Cu	Eu	Hf	Hg	Ir	La	Lu	Mo	Nd	Ni	Pb	Rb	S	Sb	Sc	Se	Sm	Sr	Ta	Tb	Th	U	V	W	Y	Yb	Zn	Zr
Unit	ppm	wt.%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit	10000																												
Lower Detection Limit	1	0.001	0.1	0.5	1	5	0.2	0.05	2	5	1	5	20	0.001	0.2	0.1	3	0.1	2	1	0.5	0.5	0.5	5	3	1	0.1	1	2
Analysis Method	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	INAA	INAA	INAA	FUS-ICP	INAA	FUS-ICP	INAA	TD-ICP	FUS-ICP
Method Blank	-1	-99	-99	-99	-99	-99	-99	-99	-2	-99	-1	-5	-99	0.002	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-1	-99
for 29 samples GS-15-028 to																													
NIST 694 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1608	-99	-99	-99	-99	-99
NIST 694 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1740	-99	-99	-99	-99	-99
DNC-1 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	141	-99	-99	-99	-99	154	-99	15	-99	-99	33
DNC-1 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	144	-99	-99	-99	-99	148	-99	18	-99	-99	38
GBW 07113 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	44	-99	-99	-99	-99	8	-99	51	-99	-99	383
GBW 07113 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	43	-99	-99	-99	-99	5	-99	43	-99	-99	403
GXR-4 Meas	6490	-99	-99	-99	-99	-99	-99	-99	311	-99	41	47	-99	1.780	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	75	-99
GXR-4 Cert	6520	-99	-99	-99	-99	-99	-99	-99	310	-99	42	52	-99	1.770	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	73	-99
SDC-1 Meas	29	-99	-99	-99	-99	-99	-99	-99	-99	-99	37	26	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	108	-99
SDC-1 Cert	30	-99	-99	-99	-99	-99	-99	-99	-99	-99	38	25	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	103	-99
GXR-6 Meas	72	-99	-99	-99	-99	-99	-99	-99	-2	-99	27	104	-99	0.019	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	141	-99
GXR-6 Cert	66	-99	-99	-99	-99	-99	-99	-99	2.4	-99	27	101	-99	0.016	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	118	-99
W-2a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	187	-99	-99	-99	-99	272	-99	18	-99	-99	83
W-2a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	190	-99	-99	-99	-99	262	-99	24	-99	-99	94
SY-4 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1172	-99	-99	-99	-99	11	-99	117	-99	-99	549
SY-4 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1191	-99	-99	-99	-99	8	-99	119	-99	-99	517
DNC-1a Meas	93	-99	-99	-99	-99	-99	-99	-99	-99	-99	250	-5	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	60	-99
DNC-1a Cert	100	-99	-99	-99	-99	-99	-99	-99	-99	-99	247	6.3	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	70	-99
SBC-1 Meas	30	-99	-99	-99	-99	-99	-99	-99	-2	-99	86	30	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	190	-99
SBC-1 Cert	31	-99	-99	-99	-99	-99	-99	-99	2.4	-99	82.8	35	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	186	-99
OREAS 45d (4-Acid) Meas	368	-99	-99	-99	-99	-99	-99	-99	8	-99	243	20	-99	0.044	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	47	-99
OREAS 45d (4-Acid) Cert	371	-99	-99	-99	-99	-99	-99	-99	2.5	-99	231	21.8	-99	0.049	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	45.7	-99
SdAR-M2 (U.S.G.S.) Meas	238	-99	-99	-99	-99	-99	-99	-99	10	-99	53	899	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	852	-99
SdAR-M2 (U.S.G.S.) Cert	236	-99	-99	-99	-99	-99	-99	-99	13.3	-99	48.8	808	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	760	-99
DMMAS 118 Meas	-99	-99	-99	-99	-99	-99	16.9	-99	-99	-99	-99	-99	-99	-99	6.9	6.5	-99	2.2	-99	-99	-99	-99	17.8	-99	-99	-99	-99	-99	-99
DMMAS 118 Cert	-99	-99	-99	-99	-99	-99	16.9	-99	-99	-99	-99	-99	-99	-99	6.6	6.1	-99	2.2	-99	-99	-99	-99	15.9	-99	-99	-99	-99	-99	-99
Method Blank	1	-99	-99	-99	-99	-99	-99	-99	-2	-99	-1	-5	-99	-0.001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-1	-99
Method Blank	-1	-99	-99	-99	-99	-99	-99	-99	-2	-99	-1	-5	-99	-0.001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-1	-99
Method Blank	-99	-99	-0.1	-0.5	-1	-5	-0.2	-0.05	-99	-5	-99	-99	-20	-99	-0.2	-0.1	-3	-0.1	-99	-1	-0.5	-0.5	-0.5	-99	-3	-99	-0.1	-99	-99

Open File LAB/1692 - Appendix C1: Raw Data and Detection Limits - Actlabs: 4Litho

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Upper Detection Limit												
Lower Detection Limit												
Analysis Method												
GS-07-263B	7741629	2015	382610	6072221	21	NAD27	13J/15	Grab	07G.W.S.087			Mineralized fine-grained granodiorite containing 4-5 cm wide quartz vein
GS-14-041	7741504	2015	231301	6057204	21	NAD27	13K/11	Grab	14G.W.S.007			Hematite altered pegmatite with up to 250 cps
GS-14-046	7741505	2015	240725	6041181	21	NAD27	13K/07	Grab	14G.W.S.012			Carbonate-rich, cataclastic breccia in fine-grained mafic volcanic
GS-14-047	7741506	2015	239829	6040815	21	NAD27	13K/06	Grab	14G.W.S.013			Hematite-Fe-carbonate altered mafic metavolcanic
GS-14-048	7741507	2015	239782	6040805	21	NAD27	13K/06	Grab	14G.W.S.014			Brecciated hematite-Fe-carbonate alteration within mafic metavolcanic
GS-14-051	7741508	2015	239666	6040843	21	NAD27	13K/06	Grab	14G.W.S.015			Weakly brecciated, hematite altered, fine-grained mafic metavolcanic
GS-14-058	7741509	2015	243968	6043479	21	NAD27	13K/07	Core	ML-115	160.00	160.50	Hematized conglomerate of the Heggart Lake Formation
GS-14-072	7741511	2015	243997	6043511	21	NAD27	13K/07	Core	ML-120	114.30	114.50	Fe-carbonate-albite alteration with anomalous radioactivity
GS-14-073	7741512	2015	242915	6042725	21	NAD27	13K/07	Core	ML-A1-08	110.80	111.00	Brecciated hematite-Fe-carbonate alteration with up to 700 cps
GS-14-079	7741513	2015	242709	6042828	21	NAD27	13K/07	Core	ML-A1-12	89.30	89.70	Fe-carbonate-albite alteration with anomalous radioactivity
GS-14-081	7741514	2015	242709	6042828	21	NAD27	13K/07	Core	ML-A1-12	78.70	79.25	Weakly brecciated hematite-Fe-carbonate alteration
GS-14-087	7741515	2015	242709	6042828	21	NAD27	13K/07	Core	ML-A1-12	50.85	51.15	Weakly brecciated hematite-Fe-carbonate alteration
GS-14-098	7741516	2015	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	322.00	322.60	Hematite altered granodiorite/tonalite with rare carbonate veining and locally up to 1000 cps
GS-14-103	7741517	2015	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	493.75	494.40	Cataclastic breccia in granodiorite hosting anomalous radioactivity
GS-14-139	7741523	2015	246934	6044989	21	NAD27	13K/07	Core	ML-BZ-15	87.50	88.00	Mineralized, fine-grained mafic dyke
GS-14-151	7741533	2015	247291	6045349	21	NAD27	13K/07	Grab	14G.W.S.020			Hematite-carbonate altered mafic intrusive hosting anomalous radioactiviity
GS-14-152	7741534	2015	247291	6045349	21	NAD27	13K/07	Grab	14G.W.S.020			Fe-carbonate-albite-hematite alteration within mafic intrusive
GS-14-157	7741535	2015	247190	6044925	21	NAD27	13K/07	Grab	14G.W.S.024			450-500 cps, Fe-carb alt
GS-14-158	7741536	2015	246956	6044739	21	NAD27	13K/07	Grab	14G.W.S.026			Red, fine-grained sandstone
GS-14-159	7741537	2015	246928	6044725	21	NAD27	13K/07	Grab	14G.W.S.027			Hematite-carbonate altered sandstone with up to 500-600 cps
GS-14-179	7741544	2015	334537	6088991	21	NAD27	13J/13	Core	I-07-004	160.60	170.00	Amphibolite hosting amphibole-carbonate-bearing veins associated with up to 830 cps
GS-14-207	7741554	2015	243092	6012520	21	NAD27	13K/02	Grab	14G.W.S.065			Hematite-magnetite alteration in strongly foliated felsic metavolcanic with elevated radioactivity
GS-14-208	7741555	2015	297656	6063385	21	NAD27	13K/09	Core	AL-08-57	620.20	620.80	Unmineralized semipelite
GS-14-209	7741556	2015	297656	6063385	21	NAD27	13K/09	Core	AL-08-57	592.20	592.70	Minerlalized semipelite with up to 450 cps
GS-14-210	7741557	2015	297656	6063385	21	NAD27	13K/09	Core	AL-08-57	570.50	571.10	Mineralized semipelite with locally up to 200 cps
GS-14-211	7741558	2015	297656	6063385	21	NAD27	13K/09	Core	AL-08-57	552.80	553.70	Unmineralized semipelite above mineralized zone
GS-14-212	7741559	2015	295053	6054601	21	NAD27	13K/09	Grab	14G.W.S.067			Fine- to medium-grained granodiorite, up to 2000 cps locally
GS-14-221	7741561	2015	305910	6054704	21	NAD27	13K/09	Grab	14G.W.S.083			Foliated, pale pink, felsic metavolcanic; background of 250 cps
GS-14-222	7741562	2015	306004	6054682	21	NAD27	13K/09	Grab	14G.W.S.084			Sugary textured, moderately foliated, felsic metavolcanic with up to 350 cps
GS-14-223	7741563	2015	306200	6054552	21	NAD27	13K/09	Grab	14G.W.S.086			Hematite-albite alteration within strongly foliated felsic metavolcanic with up to 250-300 cps
GS-14-224	7741564	2015	306193	6054402	21	NAD27	13K/09	Grab	14G.W.S.088			Strongly foliated, altered metavolcanic locally hosting up to 1400 cps
GS-14-225	7741565	2015	306017	6054309	21	NAD27	13K/09	Grab	14G.W.S.090			Strongly foliated grey metavolcanic, locally hosting up to 700 cps
GS-14-226	7741566	2015	305677	6054063	21	NAD27	13K/09	Grab	14G.W.S.091			Medium-grained leucogranite
GS-14-240	7741567	2015	307249	6052131	21	NAD27	13J/12	Core	ML-163	274.50	275.00	Mineralized coarsely porphyritic metavolcanic
GS-14-241	7741568	2015	307249	6052131	21	NAD27	13J/12	Core	ML-163	298.40	299.00	Unmineralized metavolcanic between upper and lower mineralized zones
GS-14-242	7741569	2015	307249	6052131	21	NAD27	13J/12	Core	ML-163	351.05	351.60	Mineralized metavolcanic from top portion of lower mineralized zone
GS-14-243	7741571	2015	307249	6052131	21	NAD27	13J/12	Core	ML-163	374.75	375.20	Mineralized coarsely porphyritic metarhyolite from center of lower mineralized zone
GS-14-244	7741572	2015	307249	6052131	21	NAD27	13J/12	Core	ML-163	391.50	392.00	Mineralized metavolcanic from lower portion of mineralized zone
GS-14-248	7741573	2015	306236	6050125	21	NAD27	13J/12	Core	RZ-06-02	66.50	67.00	Amphibole alteration associated with mineralization within mafic metavolcanic
GS-15-058	7741581	2015	308482	6052954	21	NAD27	13J/12	Grab	15G.W.S.139			Sugary textured, porphyritic felsic metarhyolite with up to 400 cps
GS-15-059	7741582	2015	308911	6053231	21	NAD27	13J/12	Grab	15G.W.S.140			Moderately foliated, hematite-altered, porphyritic metarhyolite with up to 2500 cps
GS-15-067	7741583	2015	309313	6053066	21	NAD27	13J/12	Grab	15G.W.S.153			Hematite altered, moderately foliated, felsic metavolcanic rock with up to 4500 cps
GS-15-071	7741584	2015	308950	6052462	21	NAD27	13J/12	Grab	15G.W.S.158			Weakly hematite altered, porphyritic felsic metavolcanic hosting elevated radioactivity
GS-15-079	7741585	2015	307450	6051423	21	NAD27	13J/12	Grab	15G.W.S.169			Coarse-grained, post-tectonic, granite
GS-15-080	7741586	2015	307450	6051423	21	NAD27	13J/12	Grab	15G.W.S.169			Radioactive, felsic metavolcanic immediately adjacent to granite intrusion
GS-15-088	7741587	2015	305999	6052257	21	NAD27	13K/09	Grab	15G.W.S.179			Mineralized felsic metavolcanic immediately adjacent to granite intrusion
GS-15-089	7741588	2015	305999	6052257	21	NAD27	13K/09	Grab	15G.W.S.179			Fine-grained, moderately foliated mineralized felsic metavolcanic
GS-15-119	7741589	2015	310314	6054615	21	NAD27	13J/12	Grab	15G.W.S.222			Strongly foliated and albitized, porphyritic, felsic metavolcanic
GS-15-121	7741591	2015	310097	6054138	21	NAD27	13J/12	Grab	15G.W.S.224			Strongly foliated, non-magnetic, amphibole-rich metavolcanic
GS-15-122	7741592	2015	310373	6054086	21	NAD27	13J/12	Grab	15G.W.S.225			Hematite-albite altered, felsic metavolcanic hosting elevated radioactivity
GS-15-142	7741594	2015	332781	6065787	21	NAD27	13J/12	Core	JL-07-63	194.60	195.15	Intermediate metavolcanic hosting amphibole-rich veining and elevated radioactivity
GS-15-145	7741595	2015	332781	6065787	21	NAD27	13J/12	Core	JL-07-63	213.40	213.90	Intermediate metavolcanic hosting amphibole-rich veining and elevated radioactivity
GS-15-174	7741604	2015	396415	6072363	21	NAD27	13J/15	Grab	15G.W.S.262			Rusty weathering, pyritic, felsic volcanic from area of anomalous radioactivitiy
GS-15-175	7741605	2015	396415	6072363	21	NAD27	13J/15	Grab	15G.W.S.262			Rusty weathering, pyritic, porphyritic felsic volcanic

Open File LAB/1692 - Appendix C1: Raw Data and Detection Limits - Actlabs: 4Litho

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Upper Detection Limit												
Lower Detection Limit												
Analysis Method												
GS-15-176	7741606	2015	396415	6072363	21	NAD27	13J/15	Grab	15G.W.S.262			Porphyritic felsic volcanic
GS-15-181	7741608	2015	394379	6070945	21	NAD27	13J/15	Grab	15G.W.S.266			Altered felsic volcanic from zone of anomalous radioactivity
GS-15-182	7741609	2015	394421	6070987	21	NAD27	13J/15	Grab	15G.W.S.267			Mylonitic felsic volcanic hosting radioactivity
GS-15-188	7741612	2015	392474	6066433	21	NAD27	13J/10	Grab	15G.W.S.274			Hematite altered felsic volcanic rock with moderate to strong magnetite alteration
GS-15-192	7741613	2015	304312	6055726	21	NAD27	13K/09	Grab	15G.W.S.277			Boulder of "Michelin-style" alteration hosting elevated radioactivity
GS-15-193	7741614	2015	307724	6062760	21	NAD27	13J/12	Grab	15G.W.S.279			Medium-grained, chlorite-rich granite

Open File LAB/1692 - Appendix C1: Raw Data and Detection Limits - Actlabs: 4Litho

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Ba	Be	Bi	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																												
Lower Detection Limit				0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.5	5	3	1	0.4	0.1	1	20	0.5	10	0.1	0.1	0.05
Analysis Method				FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
GS-07-263B	7741629	Granodiorite	Actlabs: 4Litho, 5D-U-DNC	68.83	10.57	10.91	0.85	0.253	4.94	3.29	0.33	0.19	0.553	0.07	100.8	0.9	6	194	9	-0.4	84.5	9	30	-0.5	-10	5.2	3.0	1.75
GS-14-041	7741504	Pegmatite	Actlabs: 4Litho	86.15	2.92	6.36	0.07	0.014	0.04	0.68	1.08	0.03	1.745	0.53	99.62	6.8	-5	178	-1	-0.4	186	4	150	-0.5	-10	4.3	2.8	1.46
GS-14-046	7741505	Fe-carb./hem. alt.	Actlabs: 4Litho, 5D-U-DNC	49.17	12.88	12.01	5.78	0.178	2.91	6.70	0.08	0.19	0.765	8.70	99.37	7.0	-5	53	4	-0.4	9.3	38	170	0.6	100	2.8	1.8	0.78
GS-14-047	7741506	Fe-carb./hem. alt.	Actlabs: 4Litho	37.94	10.83	10.11	4.91	0.241	5.77	11.92	0.13	0.05	0.617	17.78	100.3	-0.5	6	42	1	-0.4	5.3	42	130	-0.5	170	2.3	1.7	0.53
GS-14-048	7741507	Fe-carb./hem. alt.	Actlabs: 4Litho	37.71	9.38	11.52	4.76	0.306	4.54	13.72	0.13	0.03	0.589	17.39	100.1	1.0	23	19	2	-0.4	4.4	67	150	-0.5	1430	2.1	1.5	0.48
GS-14-051	7741508	Fe-carb./hem. alt.	Actlabs: 4Litho, 5D-U-DNC	47.07	10.00	16.19	3.47	0.264	2.86	6.72	0.34	0.17	1.294	10.74	99.13	2.5	46	67	3	-0.4	12.5	37	60	1.1	200	3.9	2.5	0.89
GS-14-058	7741509	Conglomerate	Actlabs: 4Litho	62.65	10.89	3.68	2.28	0.123	5.77	5.29	0.21	0.06	0.220	7.59	98.77	2.0	26	687	1	-0.4	73.2	14	50	-0.5	20	5.7	3.6	0.97
GS-14-072	7741511	Fe-carb./hem. alt.	Actlabs: 4Litho	44.38	9.88	12.59	4.27	0.232	4.58	8.29	0.16	0.14	1.092	14.87	100.5	1.1	18	41	2	-0.4	12.7	37	100	-0.5	100	4.6	3.0	1.08
GS-14-073	7741512	Fe-carb./hem. alt.	Actlabs: 4Litho	39.31	8.81	12.67	5.00	0.176	4.97	11.50	0.07	0.13	1.348	16.84	100.8	1.7	16	21	2	-0.4	14.2	38	80	0.6	100	5.0	3.0	1.27
GS-14-079	7741513	Breccia	Actlabs: 4Litho	37.60	10.82	8.45	5.27	0.126	6.04	12.77	0.05	0.05	0.677	19.11	101.0	0.7	-5	52	1	-0.4	5.9	33	220	-0.5	230	2.6	1.6	0.60
GS-14-081	7741514	Breccia	Actlabs: 4Litho	36.68	10.67	8.04	5.73	0.127	5.97	13.29	0.05	0.05	0.539	19.56	100.7	-0.5	-5	22	-1	-0.4	4.2	27	190	-0.5	220	2.2	1.3	0.47
GS-14-087	7741515	Breccia	Actlabs: 4Litho	32.89	9.83	9.21	6.03	0.146	5.51	14.61	0.07	0.05	0.536	21.87	100.7	-0.5	-5	31	-1	-0.4	4.4	29	190	-0.5	90	2.2	1.4	0.55
GS-14-098	7741516	Granodiorite	Actlabs: 4Litho	49.19	15.63	3.64	2.92	0.120	6.80	11.15	0.37	0.12	0.394	10.38	100.7	0.9	-5	139	2	-0.4	68.7	6	40	1.6	30	2.5	1.1	1.89
GS-14-103	7741517	Granodiorite	Actlabs: 4Litho	59.34	16.64	1.50	1.53	0.048	8.68	5.67	0.13	0.03	0.126	5.31	99.00	-0.5	-5	79	1	-0.4	31.6	3	30	-0.5	-10	0.6	0.3	0.42
GS-14-139	7741523	Mafic dyke	Actlabs: 4Litho	41.39	17.75	14.71	6.64	0.264	0.64	6.90	3.71	0.42	2.848	5.47	100.7	4.4	-5	229	5	0.8	48.6	43	200	2.9	2240	7.4	4.2	2.08
GS-14-151	7741533	Mafic dyke	Actlabs: 4Litho	43.82	13.54	7.40	4.90	0.172	2.29	9.49	3.35	0.61	1.231	13.89	100.7	1.3	9	1083	4	-0.4	110	25	30	2.6	100	4.5	2.5	2.57
GS-14-152	7741534	Mafic dyke	Actlabs: 4Litho	42.08	12.18	6.43	5.16	0.156	5.20	11.16	1.11	0.54	1.091	15.85	100.9	0.8	-5	866	1	-0.4	89.8	20	40	0.7	90	4.1	2.2	1.96
GS-14-157	7741535	Sandstone	Actlabs: 4Litho	33.67	9.60	10.76	6.26	0.190	4.39	14.01	0.39	0.03	0.500	21.11	100.9	-0.5	-5	53	1	-0.4	5.7	37	250	-0.5	80	2.0	1.3	0.57
GS-14-158	7741536	Sandstone	Actlabs: 4Litho	72.74	12.68	2.48	0.46	0.056	6.83	1.07	0.36	0.07	0.237	1.57	98.55	0.8	-5	418	-1	-0.4	60.1	3	60	-0.5	-10	3.8	2.5	0.80
GS-14-159	7741537	Sandstone	Actlabs: 4Litho	41.77	14.70	10.13	4.08	0.175	5.21	8.74	1.84	0.11	1.163	12.76	100.7	-0.5	7	184	3	-0.4	16.0	41	60	0.9	70	5.3	3.0	1.44
GS-14-179	7741544	Amphibolite	Actlabs: 4Litho, 5D-U-DNC	42.89	11.44	18.20	4.06	0.232	3.01	14.66	2.36	0.22	2.145	1.76	101.0	0.8	24	665	5	-0.4	15.9	22	-20	14.5	50	4.4	2.8	0.94
GS-14-207	7741554	Felsic volcanic	Actlabs: 4Litho, 5D-U-DNC	49.55	14.32	23.45	0.69	0.068	0.90	0.18	10.93	0.03	0.330	0.47	100.9	1.7	39	903	3	0.9	169	6	-20	3.3	10	14.5	11.9	1.61
GS-14-208	7741555	Semipelite	Actlabs: 4Litho	62.95	14.27	8.21	3.67	0.079	1.46	3.14	3.62	0.09	0.726	1.91	100.1	0.7	-5	710	1	-0.4	30.3	26	200	6.5	70	2.5	1.6	0.87
GS-14-209	7741556	Semipelite	Actlabs: 4Litho	54.59	16.03	11.39	4.77	0.198	1.12	3.32	3.13	0.14	1.103	3.50	99.30	-0.5	-5	453	3	-0.4	38.3	37	240	4.3	110	3.9	2.3	1.09
GS-14-210	7741557	Semipelite	Actlabs: 4Litho	55.47	16.43	11.90	4.35	0.128	1.53	3.98	3.63	0.17	1.099	1.85	100.5	0.7	9	423	2	-0.4	36.8	36	250	13.2	130	3.6	2.2	1.06
GS-14-211	7741558	Semipelite	Actlabs: 4Litho	59.69	15.00	10.81	5.00	0.070	1.45	0.98	3.86	0.09	1.097	2.63	100.7	0.5	20	259	2	-0.4	50.5	29	230	19.0	110	3.1	1.8	1.13
GS-14-212	7741559	Granodiorite	Actlabs: 4Litho	67.18	16.99	2.33	0.40	0.043	6.99	1.41	3.01	0.10	0.286	0.41	99.14	1.1	-5	361	4	-0.4	99.5	3	30	0.7	-10	2.5	1.4	0.99
GS-14-221	7741561	Felsic volcanic	Actlabs: 4Litho	75.32	11.97	1.80	0.07	0.014	2.99	0.29	6.05	-0.01	0.113	0.06	98.69	0.9	-5	969	2	-0.4	143	-1	30	-0.5	-10	6.4	4.2	0.28
GS-14-222	7741562	Felsic volcanic	Actlabs: 4Litho	74.85	12.47	1.98	0.13	0.015	2.34	0.40	7.53	-0.01	0.117	0.26	100.1	0.8	-5	216	2	-0.4	116	-1	20	-0.5	-10	5.1	3.7	0.24
GS-14-223	7741563	Felsic volcanic	Actlabs: 4Litho	77.63	11.36	2.00	0.05	0.018	6.52	0.98	0.06	-0.01	0.087	0.04	98.75	0.7	-5	18	9	-0.4	111	-1	20	-0.5	30	9.1	5.8	0.27
GS-14-224	7741564	Felsic volcanic	Actlabs: 4Litho	76.48	11.17	1.69	0.11	0.021	3.70	0.95	5.60	0.01	0.103	0.60	100.4	-0.5	-5	168	4	-0.4	140	-1	-20	1.0	-10	9.2	5.6	0.28
GS-14-225	7741565	Felsic volcanic	Actlabs: 4Litho	76.74	12.14	1.58	0.05	0.014	2.39	0.35	7.20	-0.01	0.097	0.10	100.7	0.7	-5	239	3	-0.4	85.5	-1	20	1.1	-10	6.9	4.8	0.18
GS-14-226	7741566	Leucogranite	Actlabs: 4Litho	76.55	12.29	1.89	0.06	0.044	3.67	0.40	4.34	0.01	0.058	0.01	99.31	-0.5	-5	145	5	-0.4	10.1	-1	40	3.8	-10	2.3	2.0	0.11
GS-14-240	7741567	Felsic volcanic	Actlabs: 4Litho, 5D-U-DNC	68.38	14.05	4.02	0.45	0.062	9.30	2.64	0.09	0.10	0.473	0.96	100.5	3.0	-5	1574	12	-0.4	203	3	20	-0.5	-10	10.7	6.6	2.13
GS-14-241	7741568	Felsic volcanic	Actlabs: 4Litho	71.89	13.39	3.58	0.24	0.052	4.71	1.54	4.21	0.05	0.391	0.66	100.7	2.1	-5	1717	3	-0.4	169	2	20	0.8	-10	8.1	4.9	1.58
GS-14-242	7741569	Felsic volcanic	Actlabs: 4Litho	76.64	11.56	2.48	0.15	0.035	6.53	0.75	0.10	0.02	0.209	0.24	98.72	1.3	-5	395	3	-0.4	252	-1	20	-0.5	-10	11.4	7.1	1.08
GS-14-243	7741571	Porph. dyke	Actlabs: 4Litho	72.71	13.82	3.45	0.16	0.036	8.17	0.81	0.07	0.04	0.290	0.45	100.0	2.1	-5	892	9	-0.4	286	1	20	-0.5	-10	13.9	8.8	1.54
GS-14-244	7741572	Felsic volcanic	Actlabs: 4Litho	70.57	13.25	4.67	0.39	0.065	7.87	1.79	0.14	0.10	0.542	0.84	100.2	2.8	-5	1894	8	-0.4	171	4	-20	-0.5	-10	8.2	5.0	1.97
GS-14-248	7741573	Basalt	Actlabs: 4Litho, 5D-U-DNC	60.14	13.74	6.23	4.26	0.189	6.91	6.87	0.42	0.06	0.762	0.21	99.80	1.7	-5	202	4	-0.4	52.0	25	150	-0.5	50	4.3	2.7	0.75
GS-15-058	7741581	Porph. dyke	Actlabs: 4Litho	73.87	12.00	3.31	0.14	0.039	3.08	0.50	5.63	-0.01	0.220	0.32	99.12	0.8	-5	836	2	-0.4	189	1	-20	-1	-10	14.5	9.0	1.47
GS-15-059	7741582	Porph. dyke	Actlabs: 4Litho	71.76	13.06	5.12	0.44	0.067	7.45	0.93	0.11	0.15	0.576	0.47	100.1	1.6	-5	46	3	-0.4	62.7	-1	-20	-0.5	-10	4.6	2.9	1.09
GS-15-067	7741583	Felsic volcanic	Actlabs: 4Litho	64.97	16.24	5.84	1.62	0.072	8.88	1.32	0.16	0.04	0.317	0.86	100.3	3.1	10	1086	8	-0.4	433	6	-20	1.7	-10	15.7	10.9	2.24
GS-15-071	7741584	Felsic volcanic	Actlabs: 4Litho	71.68	12.92	4.97	0.56	0.062	7.23	1.26	0.15	0.10	0.525	0.23	99.69	1.9	-5	429	6	-0.4	161	3	-20	-0.5	-10	11.3	6.8	1.95
GS-15-079	7741585	Granite	Actlabs: 4Litho	65.85	15.28	3.42	0.86	0.110	3.40	2.61	7.23	0.17	0.345	0.17	99.43	0.7	-5	1391	2	-0.4	112	4	-20	0.9	30	4.1	2.5	1.19
GS-15-080	7741586	Felsic volcanic	Actlabs: 4Litho	78.08	11.49	1.69	0.15	0.033	2.01	0.24	6.55	0.01	0.255	0.13	100.6	1.1	-5	753	1	-0.4	186	-1	-20	-0.5	30	9.1	4.7	0.90
GS-15-088	7741587	Felsic volcanic	Actlabs: 4Litho	68.63	12.42	7.26	0.59	0.063	4.90	1.65	2.68	0.17	0.710	0.02	99.10	1.8	-5	1083	3	-0.4	147	5	-20	0.7	-10	10.1	6.1	2.58
GS-15-089	7741588	Felsic volcanic	Actlabs: 4Litho	63.90	16.52	6.15	0.70	0.090	9.17	2.61	0.49	0.16	0.550	0.17	100.5	1.5	-5	1112	4	0.4	136	4	-20	-0.5	-10	7.0	4.0	2.10
GS-15-119	7741589	Felsic volcanic	Actlabs: 4Litho	67.78	16.43	3.56	0.31	0.307	9.39	1.48	0.08	0.12	0.527	0.47	100.5	2.5	-5	85	3	0.4	251	2	-20	-0.5	-10	13.4	7.2	2.72
GS-15-121	7741591	Felsic volcanic	Actlabs: 4Litho	61.49	19.64	3.57	0.48	0.082	7.20	4.49	2.15	-0.01	0.179	0.99	100.3	1.2	-5	1216	8	1.0	293	3	-20	-0.5	-10	35.8	20.9	0.35
GS-15-122	7741592	Felsic volcanic	Actlabs: 4Litho	63.91	17.07	3.33	0.28	0.109	5.05	2.33	5.94	0.01	0.493	0.54	99.06	2.5	-5	957	3	-0.4	214	2	-20	1.2	30	9.6	5.8	1.93
GS-15-142	7741594	Intermed. volcanic	Actlabs: 4Litho	57.26	15.38	8.36	2.30	0.140	7.97	5.37	0.13	0.28	0.947	1.46	99.59	1.4	7	286	13	-0.4	111	15	-20	-0.5	70	6.3	3.5	2.76
GS-15-145	7741595	Intermed. volcanic	Actlabs: 4Litho	56.35	16.03	8.86	2.79	0.110	7.20	5.47	0.50	0.28	1.138	0.94	99.66	1.2	7	857	4	-0.4	113	20	-20	0.8	50	6.7	3.7	2.90
GS-15-174	7741604	Felsic volcanic	Actlabs: 4Litho	75.76	11.64	2.83	0.17	0.313	1.65	0.29	5.52	-0.01	0.141	1.24	99.57	4.1	-5	214	6	1.0	128	1	-20	1.7	20	9.1	7.1	0.31
GS-15-175	7741605	Felsic volcanic	Actlabs: 4Litho	78.93	10.41	2.78	0.05	0.059	2.32	0.27	4.91	-0.01	0.132	0.43	100.3	3.6	6	89	11	-0.4	39.1	-1	-20	1.3	-10	6.0	5.3	0.22

Open File LAB/1692 - Appendix C1: Raw Data and Detection Limits - Actlabs: 4Litho

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Ba	Be	Bi	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																												
Lower Detection Limit				0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.5	5	3	1	0.4	0.1	1	20	0.5	10	0.1	0.1	0.05
Analysis Method				FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
GS-15-176	7741606	Felsic volcanic	Actlabs: 4Litho	77.25	10.81	2.91	0.05	0.015	2.21	0.07	5.54	-0.01	0.132	0.18	99.15	3.0	-5	107	5	-0.4	99.1	-1	-20	0.7	-10	13.4	9.7	0.33
GS-15-181	7741608	Felsic volcanic	Actlabs: 4Litho	88.04	5.24	2.54	0.15	0.055	0.93	0.38	2.47	-0.01	0.135	0.14	100.1	3.8	-5	148	8	-0.4	134	-1	70	0.6	20	14.3	9.8	0.49
GS-15-182	7741609	Felsic volcanic	Actlabs: 4Litho	60.17	15.55	8.30	0.71	0.182	2.44	1.55	8.51	0.34	1.039	0.70	99.48	1.4	8	1067	6	1.7	130	4	1540	2.4	-10	16.7	9.5	1.16
GS-15-188	7741612	Felsic volcanic	Actlabs: 4Litho	58.48	16.66	7.20	0.56	0.163	2.76	4.03	7.91	0.05	0.301	0.56	98.68	3.8	-5	722	7	-0.4	247	7	350	1.3	10	26.2	16.8	1.09
GS-15-192	7741613	Felsic volcanic	Actlabs: 4Litho	70.61	11.31	3.72	2.66	0.068	5.10	3.85	1.58	0.08	0.413	0.55	99.92	3.2	-5	978	5	1.0	59.5	9	50	-0.5	2210	4.3	2.6	0.91
GS-15-193	7741614	Granite	Actlabs: 4Litho	64.58	15.51	5.08	0.38	0.102	8.80	3.02	0.07	0.02	0.494	0.61	98.66	4.9	-5	105	10	-0.4	170	-1	-20	-0.5	10	8.6	4.7	4.54

Open File LAB/1692 - Appendix C1: Raw Data and Detection Limits - Actlabs: 4Litho

SampleNum	LabNum	Ga	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Tl	Tm	U	U	V	W	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit										100																	1000								
Lower Detection Limit		1	0.1	1	0.2	0.1	0.2	0.1	0.04	2	1	0.1	20	5	0.05	2	0.5	1	0.1	1	2	0.1	0.1	0.1	0.1	0.05	0.1	0.1	5	1	2	0.1	30	4
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP
GS-07-263B	7741629	16	5.6	1	3.1	1.0	0.2	36.9	0.39	2	22	38.0	-20	3130	10.2	8	-0.5	10	7.5	6	246	0.4	0.9	6.6	-0.1	0.43	-1000	3710	236	2	33	2.7	70	179
GS-14-041	7741504	7	5.0	1	27.0	0.9	-0.2	90.1	0.47	4	38	60.8	-20	17	18.8	34	-0.5	3	8.2	3	16	3.5	0.7	223	0.3	0.43	16.3	-99	136	1	23	2.9	-30	1368
GS-14-046	7741505	19	2.2	-1	5.5	0.6	-0.2	4.3	0.29	-2	3	5.7	170	5280	1.32	2	-0.5	46	1.7	1	106	0.1	0.4	0.6	-0.1	0.28	-1000	2460	1312	-1	15	1.8	30	1397
GS-14-047	7741506	14	1.8	-1	1.0	0.5	-0.2	2.3	0.27	-2	2	3.9	60	593	0.77	3	1.2	36	1.2	-1	215	0.1	0.3	1.3	-0.1	0.24	231	-99	526	1	13	1.6	170	50
GS-14-048	7741507	11	1.5	-1	0.9	0.5	-0.2	2.3	0.26	3	2	3.1	80	638	0.63	-2	1.8	41	1.1	2	320	0.1	0.3	0.3	-0.1	0.23	365	-99	983	4	13	1.6	150	57
GS-14-051	7741508	17	3.2	1	2.2	0.8	-0.2	5.9	0.38	-2	4	8.4	60	1850	1.77	7	5.3	25	2.4	2	122	0.2	0.6	0.4	-0.1	0.37	-1000	1210	1569	6	22	2.4	210	242
GS-14-058	7741509	19	4.7	-1	5.0	1.2	-0.2	35.1	0.57	3	8	28.7	20	55	8.17	5	2.8	6	5.5	2	117	0.9	0.9	16.5	-0.1	0.53	243	-99	99	2	33	3.6	-30	284
GS-14-072	7741511	14	3.9	-1	2.0	1.0	-0.2	5.2	0.42	-2	4	9.2	60	825	1.88	3	2.0	30	2.9	1	160	0.2	0.7	0.4	-0.1	0.44	524	-99	551	4	25	2.7	130	135
GS-14-073	7741512	15	4.4	-1	2.3	1.0	-0.2	5.0	0.43	8	4	10.7	60	120	2.14	-2	0.6	28	3.4	-1	292	0.2	0.8	0.6	-0.1	0.44	303	-99	851	5	26	2.8	40	137
GS-14-079	7741513	14	2.1	-1	1.0	0.6	-0.2	2.4	0.25	-2	2	4.4	70	202	0.89	-2	2.9	37	1.4	-1	194	0.1	0.4	0.2	-0.1	0.23	283	-99	304	-1	13	1.5	50	50
GS-14-081	7741514	13	1.7	-1	0.7	0.4	-0.2	1.5	0.20	-2	1	3.6	70	25	0.64	-2	0.5	30	1.2	-1	229	-0.1	0.3	0.2	-0.1	0.19	28.9	-99	423	1	12	1.3	50	41
GS-14-087	7741515	12	1.7	-1	0.7	0.4	-0.2	1.6	0.20	-2	1	3.5	70	267	0.68	-2	1.0	29	1.3	-1	213	-0.1	0.3	0.1	-0.1	0.20	306	-99	374	2	11	1.2	70	40
GS-14-098	7741516	19	4.2	2	2.8	0.4	-0.2	37.3	0.10	-2	4	28.1	-20	305	7.78	13	-0.5	4	5.2	1	320	0.1	0.5	6.5	-0.1	0.14	972	-99	60	-1	16	0.7	60	161
GS-14-103	7741517	23	1.1	-1	1.9	0.1	-0.2	11.0	-0.04	-2	2	8.6	-20	244	2.71	4	-0.5	2	1.4	-1	156	-0.1	0.1	3.3	-0.1	-0.05	485	-99	20	-1	4	0.2	-30	76
GS-14-139	7741523	23	7.7	1	4.0	1.5	-0.2	21.6	0.53	-2	15	29.0	70	282	6.53	111	4.0	29	7.0	1	182	0.8	1.2	1.0	0.5	0.58	205	-99	469	4	40	3.6	220	181
GS-14-151	7741533	18	5.7	-1	2.8	0.8	-0.2	49.0	0.33	-2	15	52.4	40	86	13.6	81	1.5	17	8.4	-1	270	0.8	0.8	2.2	0.4	0.36	188	-99	198	2	23	2.3	80	136
GS-14-152	7741534	13	4.8	-1	2.4	0.7	-0.2	40.7	0.31	-2	14	42.3	40	102	11.2	26	0.6	17	6.9	-1	278	0.7	0.7	2.1	0.2	0.30	79.8	-99	139	2	20	1.9	90	119
GS-14-157	7741535	10	1.9	-1	0.6	0.4	-0.2	2.4	0.20	-2	2	4.3	110	114	0.84	10	1.3	31	1.4	-1	265	-0.1	0.3	0.1	-0.1	0.18	127	-99	173	1	11	1.2	40	26
GS-14-158	7741536	19	3.7	-1	3.4	0.8	-0.2	30.1	0.41	-2	7	25.0	-20	7	6.97	10	0.9	5	4.8	2	64	0.6	0.6	8.7	-0.1	0.38	6.3	-99	45	-1	23	2.5	-30	147
GS-14-159	7741537	14	4.7	-1	1.6	1.0	-0.2	6.4	0.37	-2	4	11.6	70	357	2.45	56	2.9	25	3.7	-1	225	0.1	0.8	0.5	0.3	0.43	154	-99	186	1	28	2.6	190	66
GS-14-179	7741544	12	3.6	2	2.0	0.9	-0.2	5.9	0.39	-2	4	10.1	40	2300	2.17	129	0.8	42	2.8	-1	843	0.2	0.7	0.5	1.0	0.41	-1000	2370	5731	2	22	2.7	70	95
GS-14-207	7741554	25	11.8	1	7.4	3.3	-0.2	89.6	2.49	-2	48	67.4	-20	2070	18.7	317	0.9	14	14.1	12	45	2.1	2.1	27.8	1.4	2.02	-1000	2990	109	16	98	15.4	-30	260
GS-14-208	7741555	18	2.5	1	2.5	0.5	-0.2	15.7	0.23	-2	7	13.6	70	17	3.63	152	-0.5	25	2.8	1	191	0.4	0.4	4.3	1.0	0.23	11.2	-99	212	-1	13	1.5	90	106
GS-14-209	7741556	22	3.8	1	2.5	0.8	-0.2	19.4	0.34	-100	9	17.8	90	237	4.52	187	-0.5	35	3.8	-1	220	0.5	0.6	4.7	0.9	0.35	305	-99	285	2	20	2.3	140	122
GS-14-210	7741557	22	3.6	1	2.8	0.7	-0.2	18.4	0.32	-100	9	17.8	100	477	4.53	191	-0.5	36	3.7	-1	204	0.6	0.6	4.0	2.9	0.32	514	-99	298	1	20	2.0	120	137
GS-14-211	7741558	22	3.6	2	2.4	0.6	-0.2	26.5	0.23	5	7	22.2	90	7	6.14	183	-0.5	28	4.2	3	111	0.5	0.6	5.4	1.1	0.26	5.9	-99	252	3	17	1.6	110	100
GS-14-212	7741559	26	3.1	-1	4.9	0.5	-0.2	52.0	0.22	-2	14	32.6	-20	195	10.1	52	-0.5	4	4.9	1	243	1.1	0.4	18.7	0.3	0.21	103	-99	41	-1	13	1.4	-30	230
GS-14-221	7741561	23	6.2	-1	5.4	1.3	-0.2	71.5	0.63	-2	20	50.9	-20	14	15.2	145	-0.5	2	8.4	-1	91	2.4	1.0	18.0	0.7	0.64	6.4	-99	39	-1	37	4.1	-30	189
GS-14-222	7741562	20	5.1	-1	5.0	1.1	-0.2	58.0	0.59	-2	25	40.6	-20	10	12.4	179	-0.5	1	7.1	1	41	2.6	0.8	18.0	0.8	0.56	5.4	-99	12	1	30	3.7	-30	179
GS-14-223	7741563	24	8.0	-1	4.4	1.8	-0.2	49.2	0.92	-2	27	44.4	-20	16	12.7	-2	-0.5	2	9.7	-1	49	2.7	1.4	24.4	-0.1	0.91	10.3	-99	147	2	50	5.9	-30	148
GS-14-224	7741564	23	9.7	1	5.7	1.9	-0.2	67.3	0.78	-2	21	55.5	-20	110	15.8	202	-0.5	2	10.6	5	55	2.0	1.5	26.2	0.2	0.82	31.8	-99	20	2	54	5.2	100	202
GS-14-225	7741565	21	5.2	-1	5.5	1.5	-0.2	40.7	0.70	-2	30	32.3	-20	65	9.42	243	-0.5	2	6.0	4	32	2.8	1.0	20.4	1.1	0.73	25.4	-99	10	1	41	4.7	-30	185
GS-14-226	7741566	19	1.4	1	3.3	0.6	-0.2	3.8	0.43	-2	24	3.6	-20	42	1.00	276	-0.5	2	1.1	3	25	2.9	0.3	20.5	1.3	0.35	4.9	-99	-5	-1	20	2.6	-30	77
GS-14-240	7741567	29	10.9	1	11.3	2.1	-0.2	102	0.89	-2	30	78.5	-20	1130	22.5	-2	-0.5	9	13.3	3	147	1.9	1.8	22.2	-0.1	0.97	-1000	1070	80	-1	62	5.9	100	594
GS-14-241	7741568	23	8.5	1	10.5	1.6	-0.2	85.7	0.74	4	22	63.8	-20	47	17.8	104	-0.5	6	10.5	3	114	1.6	1.4	21.7	0.6	0.75	15.8	-99	14	-1	45	4.6	90	507
GS-14-242	7741569	22	11.7	-1	6.5	2.3	-0.2	127	1.04	2	23	93.3	-20	97	27.1	-2	-0.5	3	14.5	3	43	1.9	1.9	27.3	-0.1	1.05	44.7	-99	14	2	64	6.8	70	308
GS-14-243	7741571	31	14.4	-1	10.7	2.9	-0.2	142	1.33	3	36	112	-20	468	31.8	2	-0.5	4	19.0	4	63	2.5	2.3	25.0	-0.1	1.34	562	-99	27	-1	76	8.9	90	462
GS-14-244	7741572	23	8.9	-1	10.7	1.7	-0.2	86.6	0.77	11	28	66.9	-20	172	19.1	-2	-0.5	9	11.5	3	135	1.7	1.4	16.6	-0.1	0.72	120	-99	48	-1	44	4.7	70	581
GS-14-248	7741573	23	3.4	-1	5.2	0.9	-0.2	30.0	0.42	29	18	19.2	40	965	5.51	8	-0.5	21	3.8	2	250	0.8	0.6	7.4	-0.1	0.41	-1000	1059	312	-1	25	2.7	70	341
GS-15-058	7741581	21	13.5	-1	9.3	2.9	-0.2	92.0	1.35	-2	25	75.7	-20	35	21.4	163	0.6	3	14.0	4	37	2.3	2.3	22.4	0.6	1.39	9.9	-99	14	1	91	9.1	50	330
GS-15-059	7741582	21	5.5	-1	8.9	1.0	-0.2	26.5	0.53	4	18	33.7	-20	182	8.02	-2	-0.5	9	6.9	7	62	1.8	0.8	11.5	-0.1	0.43	92.0	-99	96	1	30	3.1	110	417
GS-15-067	7741583	21	15.1	-1	15.8	3.4	-0.2	215	1.92	-2	20	144	-20	139	42.8	10	-0.5	17	21.3	10	141	3.7	2.5	43.0	-0.1	1.73	172	-99	110	4	104	12.5	40	785
GS-15-071	7741584	20	10.7	-1	10.7	2.3	-0.2	77.7	1.09	-2	17	65.8	-20	1890	17.8	3	-0.5	8	12.0	2	95	1.4	1.8	16.0	-0.1	1.02	-1000	-99	189	-1	72	7.0	90	456
GS-15-079	7741585	17	4.7	1	4.7	0.8	-0.2	58.4	0.44	-2	10	37.2	-20	50	11.4	218	-0.5	7	6.1	2	309	0.9	0.7	12.9	1.1	0.38	74.7	-99	55	-1	26	2.8	80	177
GS-15-080	7741586	18	10.1	-1	7.7	1.6	-0.2	93.6	0.67	-2	15	71.3	-20	278	20.0	175	-0.5	4	12.3	2	43	1.8	1.7	22.1	1.0	0.71	226	-99	120	-1	45	4.6	40	283
GS-15-088	7741587	19	10.1	1	11.3	2.0	-0.2	67.1	0.91	3	16	62.5	-20	113	16.4	56	-0.5	12	12.0	3	141	1.4	1.7	12.3	0.2	0.93	77.3	-99	27	-1	54	6.2	90	463
GS-15-089	7741588	28	7.8	1	10.5	1.4	-0.2	68.6	0.64	-2	18	54.3	-20	578	15.0	13	-0.5	10	9.5	3	204	1.2	1.1	11.9	-0.1	0.61	372	-99	36	-1	39	4.1	100	432
GS-15-119	7741589	24	15.4	1	17.2	2.5	-0.2	130	1.09	-2	30	103	-20	615	28.1	-2	0.7	8	19.0	4	62	2.2	2.4	25.5	-0.1	1.06	109	-99	135	1	64	7.1	140	688
GS-15-121	7741591	30	26.4	1	13.7	7.4	0.3	143	2.57	-2	43	117	-20	101	32.7	51	0.8	3	25.3	15	581	4.8	5.4	49.3	0.2	2.88	91.3	-99	81	55	218	17.8	-30	348
GS-15-122	7741592	25	10.6	-1	13.8	1.9	-0.2	108	0.87	-2	30	85.9	-20	234	23.6	136	1.7	6	13.6	4	194	1.8	1.6	20.5	0.5	0.87	112	-99	88	-1	56	5.7	60	590
GS-15-142	7741594	26	7.2	1	8.6	1.2	-0.2	55.3	0.49	-2	13	48.6	20	607	12.6	-2	1.0	19	9.1	2	550	0.9	1.2	9.4	-0.1	0.48	570	-99	404	1	32	3.1	220	430
GS-15-145	7741595	23	7.8	-1	8.1	1.3	-0.2	54.2	0.53	-2	14	49.9	30	240	13.2	24	0.8	20	9.5	1	497	0.9	1.2	9.2	-0.1	0.53	179	-99	152	1	33	3.4	220	377
GS-15-174	7741604	23	7.8	1	24.6	2.0	0.7	55.7	1.45	36	23	54.3	-20	328	15.1	445	-0.5	2	10.9	22	69	2.2	1.3	24.1	3.9	1.24	56.5	-99	53	3	56	9.2	420	935
GS-15-175	7741605	23	3.8	1	22.4	1.5	-0.2	18.6	1.18	-2	28	17.9	-20	55	4.60	244	-0.5	-1	4.4	9	75	2.9	0.8	25.8	2.4	0.96	19.0	-99	10	2	40	7.1	-30	944

Open File LAB/1692 - Appendix C1: Raw Data and Detection Limits - Actlabs: 4Litho

SampleNum	LabNum	Ga	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Tl	Tm	U	U	V	W	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit										100																	1000								
Lower Detection Limit		1	0.1	1	0.2	0.1	0.2	0.1	0.04	2	1	0.1	20	5	0.05	2	0.5	1	0.1	1	2	0.1	0.1	0.1	0.1	0.05	0.1	0.1	5	1	2	0.1	30	4
Analysis Method		FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP
GS-15-176	7741606	24	9.7	1	21.1	3.0	-0.2	42.3	1.70	-2	23	47.3	-20	42	11.9	288	-0.5	1	11.0	6	46	2.1	2.0	27.9	2.3	1.57	12.6	-99	8	1	83	11.4	-30	791
GS-15-181	7741608	11	12.0	-1	19.7	3.0	-0.2	54.1	1.68	-2	27	59.4	-20	275	15.3	101	1.5	4	14.6	9	48	2.5	2.2	25.1	0.8	1.60	129	-99	52	4	80	11.1	40	783
GS-15-182	7741609	37	15.7	1	8.1	3.3	0.9	58.5	1.17	7	43	64.5	30	353	16.4	319	1.8	16	16.9	13	222	0.6	2.8	9.7	2.6	1.33	377	-99	327	2	85	8.1	290	286
GS-15-188	7741612	31	22.5	2	25.6	5.4	0.4	114	2.73	-2	36	113	-20	403	29.5	229	1.0	10	23.6	9	229	2.4	4.1	30.2	1.0	2.65	373	-99	95	-1	169	17.9	70	901
GS-15-192	7741613	17	4.5	2	4.8	0.8	-0.2	28.6	0.40	-2	7	26.0	-20	532	6.84	19	0.6	10	5.0	2	60	0.3	0.7	8.5	-0.1	0.38	334	-99	5887	-1	24	2.7	170	199
GS-15-193	7741614	25	9.7	-1	21.0	1.6	-0.2	88.3	0.72	-2	22	72.9	-20	153	19.3	-2	0.5	6	11.7	-1	43	1.0	1.4	7.1	-0.1	0.66	110	-99	41	2	42	4.3	40	1076

Open File LAB/1692 - Appendix C2: Duplicates Data and Detection Limits - Actlabs: 4Litho

DuplicateID	Control	AnalysisYr	Analysis	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Ba	Be	Bi	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																					3000		10000					
Lower Detection Limit				0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.5	5	3	1	0.4	0.1, 0.5	1	20	0.5, 5	10	0.1	0.1	0.05
Analysis Method				FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
for 39 samples GS-07-263B and GS-14-041 to 248																												
GS-14-051 Orig	original	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.5	46	-99	-99	-0.4	12.5	37	60	1.1	200	3.9	2.5	0.89
GS-14-051 Split	split	2014	Actlabs: 4Litho	48.03	9.79	15.89	3.54	0.26	2.85	6.72	0.33	0.17	1.28	10.73	99.59	1.8	42	72	2	-0.4	12.6	36	70	1.1	200	3.9	2.5	0.93
GS-14-072 Orig	original	2014	Actlabs: 4Litho	44.06	9.85	12.69	4.26	0.23	4.54	8.32	0.16	0.14	1.09	14.87	100.20	1.1	17	41	2	-0.4	12.6	36	100	-0.5	100	4.7	3.0	1.09
GS-14-072 Dup	duplicate	2014	Actlabs: 4Litho	44.71	9.91	12.49	4.27	0.23	4.62	8.25	0.16	0.15	1.10	14.87	100.80	1.1	19	42	2	-0.4	12.8	37	110	-0.5	110	4.5	3.1	1.08
GS-14-208 Orig	original	2014	Actlabs: 4Litho	62.30	14.15	8.23	3.70	0.08	1.45	3.16	3.63	0.09	0.73	1.91	99.43	0.8	-5	711	1	-0.4	30.4	26	200	6.6	70	2.5	1.6	0.87
GS-14-208 Dup	duplicate	2014	Actlabs: 4Litho	63.60	14.39	8.19	3.64	0.08	1.46	3.12	3.62	0.09	0.73	1.91	100.80	0.7	-5	709	1	-0.4	30.2	26	210	6.4	70	2.5	1.5	0.86
GS-14-211 Orig	original	2014	Actlabs: 4Litho	59.69	15.00	10.81	5.00	0.07	1.45	0.98	3.86	0.09	1.10	2.63	100.70	0.5	20	259	2	-0.4	50.5	29	230	19	110	3.1	1.8	1.13
GS-14-211 Split	split	2014	Actlabs: 4Litho	59.97	14.70	10.69	5.17	0.07	1.47	0.98	3.92	0.10	1.11	2.56	100.80	0.6	20	258	2	-0.4	50.0	29	220	19.1	110	3.2	1.7	1.15
GS-14-244 Orig	original	2014	Actlabs: 4Litho	71.14	13.36	4.69	0.39	0.07	7.88	1.79	0.14	0.11	0.54	0.84	100.90	2.6	-5	1894	8	-0.4	172	4	20	-0.5	-10	8.2	5.0	1.96
GS-14-244 Dup	duplicate	2014	Actlabs: 4Litho	70.00	13.15	4.66	0.39	0.07	7.85	1.79	0.14	0.10	0.54	0.84	99.52	3.0	-5	1895	8	-0.4	170	4	-20	-0.5	-10	8.3	5.0	1.97
for 21 samples GS-15-058 to 193																												
GS-15-181 Orig	original	2015	Actlabs: 4Litho	87.96	5.23	2.55	0.15	0.06	0.93	0.38	2.45	-0.01	0.13	0.14	99.97	3.7	-5	147	8	-0.4	132	-1	60	0.6	20	14.2	9.6	0.49
GS-15-181 Dup	duplicate	2015	Actlabs: 4Litho	88.12	5.25	2.54	0.14	0.06	0.94	0.37	2.49	-0.01	0.14	0.14	100.20	4.0	-5	148	8	-0.4	137	-1	70	0.5	20	14.3	10.0	0.48
GS-15-071 Orig	original	2015	Actlabs: 4Litho	71.68	12.92	4.97	0.56	0.06	7.23	1.26	0.15	0.10	0.53	0.23	99.69	1.9	-5	429	6	-0.4	161	3	-20	-0.5	-10	11.3	6.8	1.95
GS-15-071 Split	split	2015	Actlabs: 4Litho	71.74	12.58	4.87	0.57	0.06	7.01	1.26	0.14	0.11	0.50	0.24	99.08	1.7	-5	389	5	-0.4	157	3	-20	-0.5	-10	10.9	6.9	1.91

Open File LAB/1692 - Appendix C2: Duplicates Data and Detection Limits - Actlabs: 4Litho

DuplicateID	Ga	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Tl	Tm	U	U	V	W	Y	Yb	Zn	Zr
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit							2000		100										1000							1000								
Lower Detection Limit	1	0.1	1	0.2	0.1	0.2	0.1	0.04	2	1	0.05, 0.1	20	5	0.05, 0.1	2	0.5	1	0.1	1	2	0.1	0.1	0.1	0.1	0.05	0.1	0.1	5	1	2	0.1	30	4
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP
for 39 samples GS-07-2(																																	
GS-14-051 Orig	17	3.2	1	2.2	0.8	-0.2	5.9	0.38	-2	4	8.4	60	1850	1.77	7	5.3	-99	2.4	2	-99	0.2	0.6	0.4	-0.1	0.37	-1000	-99	-99	6	-99	2.4	210	-99
GS-14-051 Split	16	3.2	1	2.3	0.8	-0.2	5.8	0.38	-2	5	8.2	60	1820	1.73	7	5.2	25	2.4	2	120	0.2	0.6	0.4	-0.1	0.36	-1000	-99	1524	4	23	2.4	200	251
GS-14-072 Orig	14	3.8	-1	2.0	1.0	-0.2	5.1	0.42	-2	4	9.1	60	809	1.86	3	2.0	30	2.9	1	163	0.2	0.7	0.4	-0.1	0.42	518	-99	564	4	26	2.8	130	135
GS-14-072 Dup	15	4.0	-1	2.0	1.0	-0.2	5.2	0.43	2	4	9.3	60	842	1.90	3	2.0	30	2.9	1	157	0.2	0.7	0.4	-0.1	0.45	531	-99	538	3	25	2.7	140	135
GS-14-208 Orig	19	2.6	1	2.6	0.5	-0.2	15.7	0.24	-2	6	13.9	70	16	3.65	153	-0.5	25	2.8	1	192	0.4	0.4	4.2	1.0	0.23	11.5	-99	213	-1	13	1.5	90	105
GS-14-208 Dup	18	2.5	1	2.5	0.5	-0.2	15.7	0.22	2	7	13.4	70	18	3.61	151	-0.5	25	2.8	1	190	0.4	0.4	4.3	1.0	0.22	11.0	-99	211	1	13	1.4	90	108
GS-14-211 Orig	22	3.6	2	2.4	0.6	-0.2	26.5	0.23	5	7	22.2	90	7	6.14	183	-0.5	28	4.2	3	111	0.5	0.6	5.4	1.1	0.26	5.9	-99	252	3	17	1.6	110	100
GS-14-211 Split	22	3.4	2	2.4	0.6	-0.2	26.2	0.22	8	8	22.6	90	7	6.03	183	-0.5	29	4.2	3	113	0.6	0.5	5.3	0.9	0.24	5.6	-99	256	3	17	1.5	110	103
GS-14-244 Orig	22	8.8	-1	10.5	1.7	-0.2	87.7	0.74	11	28	67.0	-20	169	19.1	-2	-0.5	9	11.4	3	136	1.7	1.4	16.5	-0.1	0.71	120	-99	48	1	45	4.6	60	583
GS-14-244 Dup	23	8.9	-1	10.9	1.7	-0.2	85.5	0.79	11	28	66.8	-20	175	19.1	-2	-0.5	9	11.6	3	134	1.7	1.4	16.7	-0.1	0.74	121	-99	47	-1	44	4.8	70	580
for 21 samples GS-15-0																																	
GS-15-181 Orig	11	12.1	-1	19.1	3.0	-0.2	53.3	1.66	-2	26	59.1	-20	271	15.0	101	1.4	4	14.3	9	48	2.5	2.1	24.7	0.8	1.62	129	-99	51	2	80	10.8	40	772
GS-15-181 Dup	11	11.9	-1	20.2	3.1	-0.2	54.9	1.71	-2	28	59.7	-20	278	15.7	101	1.7	4	14.8	9	48	2.6	2.2	25.5	0.8	1.58	130	-99	53	6	81	11.3	40	794
GS-15-071 Orig	20	10.7	-1	10.7	2.3	-0.2	77.7	1.09	-2	17	65.8	-20	1890	17.8	3	-0.5	8	12.0	2	95	1.4	1.8	16.0	-0.1	1.02	-1000	-99	189	-1	72	7.0	90	456
GS-15-071 Split	20	11.0	-1	10.9	2.3	-0.2	76.1	1.11	-2	17	63.8	-20	1970	17.3	3	-0.5	8	11.9	2	93	1.3	1.8	16.2	-0.1	1.04	-1000	-99	183	-1	74	7.1	70	455

Open File LAB/1692 - Appendix C3: Standards Data and Detection Limits - Actlabs: 4Litho

StandardID	Control	AnalysisYr	Analysis	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Ba	Be	Bi	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																					3000		10000						
Lower Detection Limit				0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.5	5	3	1	0.4	0.1, 0.5	1	20	0.5, 5	10	0.1	0.1	0.05	1
Analysis Method				FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
for 39 samples GS-07-263B and GS-14-041 to 248																													
DH-1a Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DH-1a Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Meas	standard	2014	Actlabs: 4Litho	11.08	1.87	0.73	0.34	0.01	0.88	42.53	0.54	30.16	0.12	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Cert	certified	2014	Actlabs: 4Litho	11.20	1.80	0.79	0.33	0.01	0.86	43.60	0.51	30.20	0.11	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Meas	standard	2014	Actlabs: 4Litho	-99	18.78	9.86	10.14	0.15	1.93	11.46	0.22	0.06	0.49	-99	-99	-99	-99	110	-99	-99	-99	56	270	-99	110	-99	-99	0.61	-99
DNC-1 Cert	certified	2014	Actlabs: 4Litho	47.15	18.34	9.97	10.13	0.15	1.89	11.49	0.23	0.07	0.48	-99	-99	-99	-99	118	-99	-99	-99	57	270	-99	100	-99	-99	0.59	-99
GBW 07113 Meas	standard	2014	Actlabs: 4Litho	72.18	12.75	3.27	0.15	0.14	2.39	0.61	5.38	0.04	0.28	-99	-99	-99	-99	493	4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
GBW 07113 Cert	certified	2014	Actlabs: 4Litho	72.80	13.00	3.21	0.16	0.14	2.57	0.59	5.43	0.05	0.30	-99	-99	-99	-99	506	4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
LKSD-3 Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.2	26	-99	-99	-99	92.2	30	80	2.5	30	4.8	-99	1.41	-99
LKSD-3 Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.7	27	-99	-99	-99	90.0	30	87	2.3	35	4.9	-99	1.50	-99
TDB-1 Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	44.3	-99	280	-99	330	7.7	-99	2.18	-99
TDB-1 Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	41.0	-99	251	-99	323	8.0	-99	2.10	-99
W-2a Meas	standard	2014	Actlabs: 4Litho	52.81	15.30	10.87	6.29	0.17	2.25	11.09	0.64	0.16	1.08	-99	-99	-0.5	-5	181	-1	-0.4	-99	45	-99	-99	110	-99	2.6	-99	18
W-2a Cert	certified	2014	Actlabs: 4Litho	52.40	15.40	10.70	6.37	0.16	2.14	10.90	0.63	0.13	1.06	-99	-99	0.05	1.2	182	1.3	0.03	-99	43	-99	-99	110	-99	2.5	-99	17
SY-4 Meas	standard	2014	Actlabs: 4Litho	49.64	20.62	6.12	0.51	0.11	7.00	8.15	1.68	0.13	0.29	-99	-99	-99	-99	346	3	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SY-4 Cert	certified	2014	Actlabs: 4Litho	49.90	20.69	6.21	0.54	0.11	7.10	8.05	1.66	0.13	0.29	-99	-99	-99	-99	340	2.6	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CTA-AC-1 Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-3000	-99	-99	-99	-99	-99	-99	47.1	-99
CTA-AC-1 Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3326	-99	-99	-99	-99	-99	-99	46.7	-99
BIR-1a Meas	standard	2014	Actlabs: 4Litho	47.54	15.67	11.53	9.56	0.17	1.80	13.70	0.02	0.02	0.98	-99	-99	-99	-99	13	-1	-99	-99	53	370	-99	130	-99	-99	0.52	16
BIR-1a Cert	certified	2014	Actlabs: 4Litho	47.96	15.50	11.30	9.70	0.18	1.82	13.30	0.03	0.02	0.96	-99	-99	-99	-99	6	0.58	-99	-99	52	370	-99	125	-99	-99	0.55	16
NCS DC86312 Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	186	-99	-99	-99	-99	187	101	-99	-99
NCS DC86312 Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	190	-99	-99	-99	-99	183	96.2	-99	-99
ZW-C Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	256	-99	-99	-99	113
ZW-C Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	260	-99	-99	-99	99
NCS DC70009 (GBW07241) Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	70	-99	-99	-99	62.0	4	30	43.5	950	21.3	13.4	-99	17
NCS DC70009 (GBW07241) Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	69.9	-99	-99	-99	60.3	3.7	30	41	960	20.7	13.4	-99	16.5
OREAS 100a (Fusion) Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	503	19	-99	-99	-99	24.5	15.9	3.76	-99
OREAS 100a (Fusion) Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	463	18.1	-99	-99	-99	23.2	14.9	3.71	-99
OREAS 101a (Fusion) Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1370	50	-99	-99	450	33.4	19.8	8.28	-99
OREAS 101a (Fusion) Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1396	48.8	-99	-99	434	33.3	19.5	8.06	-99
JR-1 Meas	standard	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	17	-99	-99	0.5	50.8	-99	-99	21.6	-99	-99	-99	0.27	17
JR-1 Cert	certified	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.03	16.3	-99	-99	0.56	47.2	-99	-99	20.8	-99	-99	-99	0.30	16.1
Method Blank	blank	2014	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-99	-99	-99	-0.4	-0.5	-1	-20	-5	-10	-0.1	-0.1	-0.1	-1
for 7 samples, 5D-U-DNC, GS-07-263B and GS-14-046 to 248																													
DH-1a Meas	standard	2015	Actlabs: 5D-U-DNC	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DH-1a Cert	certified	2015	Actlabs: 5D-U-DNC	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SY-2 Meas	standard	2015	Actlabs: 5D-U-DNC	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SY-2 Cert	certified	2015	Actlabs: 5D-U-DNC	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
BL-3 Meas	standard	2015	Actlabs: 5D-U-DNC	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
BL-3 Cert	certified	2015	Actlabs: 5D-U-DNC	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
BL-4a Meas	standard	2015	Actlabs: 5D-U-DNC	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
BL-4a Cert	certified	2015	Actlabs: 5D-U-DNC	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	blank	2015	Actlabs: 5D-U-DNC	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
for 21 samples GS-15-058 to 193																													
NIST 694 Meas	standard	2015	Actlabs: 4Litho	10.96	1.86	0.74	0.35	0.01	0.84	43.26	0.50	30.22	0.12	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NIST 694 Cert	certified	2015	Actlabs: 4Litho	11.20	1.80	0.79	0.33	0.01	0.86	43.60	0.51	30.20	0.11	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Meas	standard	2015	Actlabs: 4Litho	45.91	17.98	9.61	9.62	0.15	1.79	11.54	0.20	0.05	0.46	-99	-99	-99	-99	95	-99	-99	-99	55	300	-99	100	-99	-99	-99	14
DNC-1 Cert	certified	2015	Actlabs: 4Litho	47.15	18.34	9.97	10.13	0.15	1.89	11.49	0.23	0.07	0.48	-99	-99	-99	-99	118	-99	-99	-99	57	270	-99	100	-99	-99	-99	15
GBW 07113 Meas	standard	2015	Actlabs: 4Litho	73.14	13.70	3.20	0.15	0.14	2.69	0.57	5.60	0.03	0.28	-99	-99	-99	-99	520	4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
GBW 07113 Cert	certified	2015	Actlabs: 4Litho	72.80	13.00	3.21	0.16	0.14	2.57	0.59	5.43	0.05	0.30	-99	-99	-99	-99	506	4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
LKSD-3 Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.5	25	-99	-99	-99	93.0	-99	90	2.4	-99	5.0	-99	1.60	-99
LKSD-3 Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.7	27	-99	-99	-99	90.0	-99	87	2.3	-99	4.9	-99	1.50	-99
TDB-1 Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	39.8	-99	230	-99	330	-99	-99	2.10	-99
TDB-1 Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	41.0	-99	251	-99	323	-99	-99	2.10	-99
W-2a Meas	standard	2015	Actlabs: 4Litho	51.02	14.60	10.49	6.08	0.17	2.04	11.17	0.55	0.13	1.03	-99	-99	-0.5	-99	155	-1	-0.4	24.6	44	90	-99	110	-99	2.3	1.10	18

Open File LAB/1692 - Appendix C3: Standards Data and Detection Limits - Actlabs: 4Litho

StandardID	Control	AnalysisYr	Analysis	SiO2	Al2O3	Fe2O3(T)	MgO	MnO	Na2O	CaO	K2O	P2O5	TiO2	LOI	Total	Ag	As	Ba	Be	Bi	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit																					3000		10000						
Lower Detection Limit				0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.5	5	3	1	0.4	0.1, 0.5	1	20	0.5, 5	10	0.1	0.1	0.05	1
Analysis Method				FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	Grav	Calc	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
W-2a Cert	certified	2015	Actlabs: 4Litho	52.40	15.40	10.70	6.37	0.16	2.14	10.90	0.63	0.13	1.06	-99	-99	0.05	-99	182	1.3	0.03	23.0	43	92	-99	110	-99	2.5	1.00	17
DTS-2b Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	130	-10000	-99	-99	-99	-99	-99	-99
DTS-2b Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	120	15500	-99	-99	-99	-99	-99	-99
SY-4 Meas	standard	2015	Actlabs: 4Litho	49.44	20.24	6.16	0.49	0.11	6.78	8.11	1.55	0.13	0.28	-99	-99	-99	-99	323	3	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SY-4 Cert	certified	2015	Actlabs: 4Litho	49.90	20.69	6.21	0.54	0.11	7.10	8.05	1.66	0.13	0.29	-99	-99	-99	-99	340	2.6	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CTA-AC-1 Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-3000	-99	-99	-99	60	-99	-99	46.0	-99
CTA-AC-1 Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3326	-99	-99	-99	54	-99	-99	46.7	-99
BIR-1a Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	49	-99	-99	120	4.0	-99	0.56	16
BIR-1a Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	52	-99	-99	125	4.0	-99	0.55	16
NCS DC86312 Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	172	-99	-99	-99	-99	175	95.3	-99	-99
NCS DC86312 Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	190	-99	-99	-99	-99	183	96.2	-99	-99
NCS DC70009 (GBW07241) Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	69	-99	-99	-99	59.3	-99	-99	39.3	980	20.4	13.2	-99	17
NCS DC70009 (GBW07241) Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	69.9	-99	-99	-99	60.3	-99	-99	41	960	20.7	13.4	-99	16.5
OREAS 100a (Fusion) Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	460	18	-99	-99	180	21.5	14.3	3.45	-99
OREAS 100a (Fusion) Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	463	18.1	-99	-99	169	23.2	14.9	3.71	-99
OREAS 101a (Fusion) Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1430	45	-99	-99	430	31.4	19.6	7.96	-99
OREAS 101a (Fusion) Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1396	48.8	-99	-99	434	33.3	19.5	8.06	-99
OREAS 101b (Fusion) Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1420	44	-99	-99	420	32.6	19.4	8.26	-99
OREAS 101b (Fusion) Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1331	47	-99	-99	416	32.1	18.7	7.77	-99
JR-1 Meas	standard	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	15	-99	-99	0.5	47.8	-99	-99	21.9	-10	-99	-99	0.32	16
JR-1 Cert	certified	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.03	16.3	-99	-99	0.56	47.2	-99	-99	20.8	2.68	-99	-99	0.30	16.1
Method Blank	blank	2015	Actlabs: 4Litho	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.5	-5	-99	-99	-0.4	-0.1	-1	-20	-0.5	-10	-0.1	-0.1	-0.1	-1

Open File LAB/1692 - Appendix C3: Standards Data and Detection Limits - Actlabs: 4Litho

StandardID	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Tl	Tm	U	U	V	W	Y	Yb	Zn	Zr
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						2000		100										1000							1000							
Lower Detection Limit	0.1	1	0.2	0.1	0.2	0.1	0.04	2	1	0.05, 0.1	20	5	0.05, 0.1	2	0.5	1	0.1	1	2	0.1	0.1	0.1	0.1	0.05	0.1	0.1	5	1	2	0.1	30	4
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP
for 39 samples GS-07-263B and GS-																																
DH-1a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	936	-99	-99	-1000	-99	-99	-99	-99	-99	-99	-99
DH-1a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	910	-99	-99	2629	-99	-99	-99	-99	-99	-99	-99
NIST 694 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1643	-99	-99	-99	-99	-99
NIST 694 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1740	-99	-99	-99	-99	-99
DNC-1 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	5.2	250	-99	-99	-99	-99	31	-99	-99	148	-99	-99	-99	-99	-99	-99	-99	160	-99	17	1.9	70	36
DNC-1 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	5.2	247	-99	-99	-99	-99	31	-99	-99	144	-99	-99	-99	-99	-99	-99	-99	148	-99	18	2.0	70	38
GBW 07113 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	5	-99	-99	41	-99	-99	-99	-99	-99	-99	-99	6	-99	45	-99	-99	401
GBW 07113 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	5	-99	-99	43	-99	-99	-99	-99	-99	-99	-99	5	-99	43	-99	-99	403
LKSD-3 Meas	-99	-99	-99	-99	-99	50.1	0.40	-2	-99	42.7	50	-99	-99	75	-99	-99	7.7	-99	-99	0.7	-99	11.2	-99	-99	4.3	-99	-99	-99	-99	2.6	-99	-99
LKSD-3 Cert	-99	-99	-99	-99	-99	52.0	0.40	2	-99	44.0	47	-99	-99	78	-99	-99	8.0	-99	-99	0.7	-99	11.4	-99	-99	4.6	-99	-99	-99	-99	2.7	-99	-99
TDB-1 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	25	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.7	160	-99
TDB-1 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	23	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3.4	155	-99
W-2a Meas	-99	1	2.7	-99	-99	-99	0.35	-2	7	-99	70	10	-99	-99	-99	36	3.4	-99	200	-99	0.6	2.6	-0.1	0.37	-99	-99	286	-1	21	2.2	80	89
W-2a Cert	-99	1	2.6	-99	-99	-99	0.33	0.6	7.9	-99	70	9.3	-99	-99	-99	36	3.3	-99	190	-99	0.63	2.4	0.2	0.38	-99	-99	262	0.3	24	2.1	80	94
SY-4 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1	-99	-99	1192	-99	-99	-99	-99	-99	-99	-99	10	-99	117	-99	-99	524
SY-4 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.1	-99	-99	1191	-99	-99	-99	-99	-99	-99	-99	8	-99	119	-99	-99	517
CTA-AC-1 Meas	122	-99	-99	-99	-99	-2000	1.18	-99	-99	-99	-99	-99	-99	-99	-99	-99	172	-99	-99	-99	13.9	23.9	-99	-99	4.1	-99	-99	-99	-99	10.6	40	-99
CTA-AC-1 Cert	124	-99	-99	-99	-99	2176	1.08	-99	-99	-99	-99	-99	-99	-99	-99	-99	162	-99	-99	-99	13.9	21.8	-99	-99	4.4	-99	-99	-99	-99	11.4	38	-99
BIR-1a Meas	1.9	-99	0.6	-99	-99	-99	0.27	-99	-1	2.5	170	-99	-99	-99	0.6	43	1.1	-99	110	-99	-99	-99	-99	-99	-99	-99	346	-99	16	1.7	70	16
BIR-1a Cert	2.0	-99	0.6	-99	-99	-99	0.30	-99	0.6	2.5	170	-99	-99	-99	0.58	44	1.1	-99	110	-99	-99	-99	-99	-99	-99	-99	310	-99	16	1.7	70	18
NCS DC86312 Meas	232	-99	-99	35.9	-99	-2000	12.1	-99	-99	1620	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	32.8	25.5	-99	14.3	-99	-99	-99	-99	-99	87.4	-99	-99
NCS DC86312 Cert	225	-99	-99	36.0	-99	2360	11.96	-99	-99	1600	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	34.6	23.6	-99	15.1	-99	-99	-99	-99	-99	87.79	-99	-99
ZW-C Meas	-99	-99	-99	-99	-99	-99	-99	-99	200	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	83.5	-99	-99	34.3	-99	-99	-99	-99	333	-99	-99	1100	-99
ZW-C Cert	-99	-99	-99	-99	-99	-99	-99	-99	198	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	82.0	-99	-99	34.0	-99	-99	-99	-99	320	-99	-99	1050	-99
NCS DC70009 (GBW07241) Meas	15.1	11	-99	4.3	-99	24.9	2.32	-99	-99	32.4	-99	-99	8.02	499	3.2	-99	12.5	-1000	-99	-99	3.3	29.8	-99	2.34	-99	-99	-99	2230	-99	16.3	90	-99
NCS DC70009 (GBW07241) Cert	14.8	11.2	-99	4.5	-99	23.7	2.40	-99	-99	32.9	-99	-99	7.90	500	3.1	-99	12.5	1701	-99	-99	3.3	28.3	-99	2.20	-99	-99	-99	2200	-99	14.9	100	-99
OREAS 100a (Fusion) Meas	-99	-99	-99	-99	-99	285	2.29	-99	-99	160	-99	-99	49.3	-99	-99	-99	25.5	-99	-99	-99	3.8	53.3	-99	2.53	143	-99	-99	-99	-99	15.9	-99	-99
OREAS 100a (Fusion) Cert	-99	-99	-99	-99	-99	260	2.26	-99	-99	152	-99	-99	47.1	-99	-99	-99	23.6	-99	-99	-99	3.8	51.6	-99	2.31	135	-99	-99	-99	-99	14.9	-99	-99
OREAS 101a (Fusion) Meas	-99	-99	-99	6.8	-99	810	2.64	24	-99	415	-99	-99	139	-99	-99	-99	53.0	-99	-99	-99	-99	36.6	-99	2.93	419	-99	-99	-99	-99	18.3	-99	-99
OREAS 101a (Fusion) Cert	-99	-99	-99	6.46	-99	816	2.66	21.9	-99	403	-99	-99	134	-99	-99	-99	48.8	-99	-99	-99	-99	36.6	-99	2.90	422	-99	-99	-99	-99	17.5	-99	-99
JR-1 Meas	-99	-99	4.2	-99	-0.2	21.5	0.73	-99	15	24.3	-20	21	-99	252	1.1	-99	6.0	3	-99	1.9	1.0	26.8	1.5	0.70	8.8	-99	-99	-99	-99	4.7	-30	-99
JR-1 Cert	-99	-99	4.51	-99	0.03	19.7	0.71	-99	15.2	23.3	1.67	19.3	-99	257	1.19	-99	6.03	2.86	-99	1.86	1.01	26.7	1.56	0.67	8.88	-99	-99	-99	-99	4.55	30.6	-99
Method Blank	-0.1	-1	-0.2	-0.1	-0.2	-0.1	-0.04	-2	-1	-0.05	-20	-5	-0.1	-2	-0.5	-99	-0.1	-1	-99	-0.1	-0.1	-0.1	-0.1	-0.05	-0.1	-99	-99	-1	-99	-0.1	-30	-99
for 7 samples, 5D-U-DNC, GS-07-2(																																
DH-1a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2700	-99	-99	-99	-99	-99	-99
DH-1a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2629	-99	-99	-99	-99	-99	-99
SY-2 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	284	-99	-99	-99	-99	-99	-99
SY-2 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	284	-99	-99	-99	-99	-99	-99
BL-3 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	9950	-99	-99	-99	-99	-99	-99
BL-3 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	10200	-99	-99	-99	-99	-99	-99
BL-4a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1300	-99	-99	-99	-99	-99	-99
BL-4a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1250	-99	-99	-99	-99	-99	-99
Method Blank	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0.1	-99	-99	-99	-99	-99	-99
for 21 samples GS-15-058 to 193																																
NIST 694 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1608	-99	-99	-99	-99	-99
NIST 694 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1740	-99	-99	-99	-99	-99
DNC-1 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	250	-99	-99	-99	0.9	30	-99	-99	141	-99	-99	-99	-99	-99	-99	-99	154	-99	15	2.2	70	33
DNC-1 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	247	-99	-99	-99	0.96	31	-99	-99	144	-99	-99	-99	-99	-99	-99	-99	148	-99	18	2.0	70	38
GBW 07113 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	5	-99	-99	44	-99	-99	-99	-99	-99	-99	-99	8	-99	51	-99	-99	383
GBW 07113 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	5	-99	-99	43	-99	-99	-99	-99	-99	-99	-99	5	-99	43	-99	-99	403
LKSD-3 Meas	-99	-99	4.9	-99	-99	55.0	-99	-2	7	-99	50	-99	-99	81	1.0	-99	-99	-99	-99	0.6	1.0	11.0	-99	-99	4.8	-99	-99	-99	-99	-99	160	-99
LKSD-3 Cert	-99	-99	4.8	-99	-99	52.0	-99	2	8	-99	47	-99	-99	78	1.3	-99	-99	-99	-99	0.7	1.0	11.4	-99	-99	4.6	-99	-99	-99	-99	-99	152	-99
TDB-1 Meas	-99	-99	-99	-99	-99	16.6	-99	-99	-99	24.4	100	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.6	-99	-99	-99	-99	-99	-99	-99	3.4	150	-99
TDB-1 Cert	-99	-99	-99	-99	-99	17.0	-99	-99	-99	23.0	92	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2.7	-99	-99	-99	-99	-99	-99	-99	3.4	155	-99
W-2a Meas	-99	2	2.4	0.8	-99	10.3	0.32	-2	-99	13.6	70	-99	-99	19	0.8	33	3.4	-99	187	0.5	0.6	2.2	-0.1	-99	0.5	-99	272	-1	18	2.1	80	83

Open File LAB/1692 - Appendix C3: Standards Data and Detection Limits - Actlabs: 4Litho

StandardID	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Tl	Tm	U	U	V	W	Y	Yb	Zn	Zr
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit						2000		100										1000							1000							
Lower Detection Limit	0.1	1	0.2	0.1	0.2	0.1	0.04	2	1	0.05, 0.1	20	5	0.05, 0.1	2	0.5	1	0.1	1	2	0.1	0.1	0.1	0.1	0.05	0.1	0.1	5	1	2	0.1	30	4
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-ICP
W-2a Cert	-99	1	2.6	0.76	-99	10.0	0.33	0.6	-99	13.0	70	-99	-99	21	0.79	36	3.3	-99	190	0.5	0.63	2.4	0.2	-99	0.53	-99	262	0.3	24	2.1	80	94
DTS-2b Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3780	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DTS-2b Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	3780	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SY-4 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1	-99	-99	1172	-99	-99	-99	-99	-99	-99	-99	11	-99	117	-99	-99	549
SY-4 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.1	-99	-99	1191	-99	-99	-99	-99	-99	-99	-99	8	-99	119	-99	-99	517
CTA-AC-1 Meas	130	-99	-99	-99	-99	-2000	1.06	-99	-99	1180	-99	-99	-99	-99	-99	-99	166	-99	-99	-99	14.3	22.3	-99	-99	4.0	-99	-99	-99	-99	10.5	40	-99
CTA-AC-1 Cert	124	-99	-99	-99	-99	2176	1.08	-99	-99	1087	-99	-99	-99	-99	-99	-99	162	-99	-99	-99	13.9	21.8	-99	-99	4.4	-99	-99	-99	-99	11.4	38	-99
BIR-1a Meas	2.1	-99	-99	-99	-99	0.7	0.28	-99	-99	2.5	-99	-99	-99	-99	0.6	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.8	70	-99
BIR-1a Cert	2.0	-99	-99	-99	-99	0.63	0.30	-99	-99	2.5	-99	-99	-99	-99	0.58	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	1.7	70	-99
NCS DC86312 Meas	226	-99	-99	33.0	-99	-2000	11.4	-99	-99	1540	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	22.5	-99	13.9	-99	-99	-99	-99	-99	81.1	-99	-99
NCS DC86312 Cert	225	-99	-99	36.0	-99	2360	11.96	-99	-99	1600	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	23.6	-99	15.1	-99	-99	-99	-99	-99	87.79	-99	-99
NCS DC70009 (GBW07241) Meas	14.5	10	-99	4.2	1.5	23.5	2.21	-99	-99	32.5	-99	-99	8.00	483	-99	-99	12.2	-1000	-99	-99	3.0	-99	-99	2.20	-99	-99	-99	2170	-99	15.5	100	-99
NCS DC70009 (GBW07241) Cert	14.8	11.2	-99	4.5	1.3	23.7	2.40	-99	-99	32.9	-99	-99	7.90	500	-99	-99	12.5	1701	-99	-99	3.3	-99	-99	2.20	-99	-99	-99	2200	-99	14.9	100	-99
OREAS 100a (Fusion) Meas	-99	-99	-99	4.5	-99	256	-99	25	-99	148	-99	-99	45.1	-99	-99	-99	23.3	-99	-99	-99	-99	-99	-99	2.14	133	-99	-99	-99	-99	14.0	-99	-99
OREAS 100a (Fusion) Cert	-99	-99	-99	4.81	-99	260	-99	24.1	-99	152	-99	-99	47.1	-99	-99	-99	23.6	-99	-99	-99	-99	-99	-99	2.31	135	-99	-99	-99	-99	14.9	-99	-99
OREAS 101a (Fusion) Meas	-99	-99	-99	6.4	-99	811	2.45	23	-99	396	-99	-99	130	-99	-99	-99	49.6	-99	-99	-99	-99	33.3	-99	2.70	398	-99	-99	-99	-99	18.2	-99	-99
OREAS 101a (Fusion) Cert	-99	-99	-99	6.46	-99	816	2.66	21.9	-99	403	-99	-99	134	-99	-99	-99	48.8	-99	-99	-99	-99	36.6	-99	2.90	422	-99	-99	-99	-99	17.5	-99	-99
OREAS 101b (Fusion) Meas	-99	-99	-99	6.5	-99	803	2.66	21	-99	390	-99	-99	128	-99	-99	-99	51.0	-99	-99	-99	5.4	35.3	-99	2.83	394	-99	-99	-99	-99	18.5	-99	-99
OREAS 101b (Fusion) Cert	-99	-99	-99	6.34	-99	789	2.58	20.9	-99	378	-99	-99	127	-99	-99	-99	48.0	-99	-99	-99	5.37	37.1	-99	2.66	396	-99	-99	-99	-99	17.6	-99	-99
JR-1 Meas	-99	2	4.4	-99	-0.2	19.7	-99	-99	15	24.3	-20	20	6.10	272	1.1	-99	6.6	3	-99	1.7	1.1	27.5	1.5	0.72	9.0	-99	-99	2	-99	-99	30	-99
JR-1 Cert	-99	1.88	4.51	-99	0.03	19.7	-99	-99	15.2	23.3	1.67	19.3	5.58	257	1.19	-99	6.03	2.86	-99	1.86	1.01	26.7	1.56	0.67	8.88	-99	-99	1.59	-99	-99	30.6	-99
Method Blank	-0.1	-1	-0.2	-0.1	-0.2	-0.1	-0.04	-2	-1	-0.1	-20	-5	-0.05	-2	-0.5	-99	-0.1	-1	-99	-0.1	-0.1	-0.1	-0.1	-0.05	-0.1	-99	-99	-1	-99	-0.1	-30	-99

Opern File LAB/1692 - Appendix D1: Raw Data and Detection Limits - Actlabs: 1D (Au + 34)

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Upper Detection Limit												
Lower Detection Limit												
Analysis Method												
GS-07-050	7741195	2008	233121	6047112	21	NAD27	13K/11	Core	51543	14.40	15.40	Hematite altered granodiorite-tonalite with minor carbonate veining
GS-07-142	7741241	2008	310857	6122534	21	NAD27	13O/04	Grab	07G.W.S.058			Biotite-bearing, quartz-rich pegmatitic dyke
GS-07-144	7741242	2008	310871	6122627	21	NAD27	13O/04	Grab	07G.W.S.057			Biotite-bearing, quartz-rich pegmatitic dyke
GS-07-150	7741245	2008	242784	6098785	21	NAD27	13K/14	Grab	07G.W.S.061			Quartz-rich pegmatite with up to 325 cps
GS-07-190	7741255	2008	230974	6049359	21	NAD27	13K/11	Grab	07G.W.S.025			Hematized pegmatite
GS-08-011	7741295	2008	239122	6038989	21	NAD27	13K/06	Core	51562	36.64	37.12	Hematitic/iron carbonate alteration with up to 200 cps
GS-08-128	7741329	2008	226971	6037932	21	NAD27	13K/06	Grab	08G.W.S.085			Boulder of rusty weathering, sulphidic siltstone of the Warren Creek Formation with up to 1000 cps
GS-08-129	7741331	2008	227142	6038391	21	NAD27	13K/06	Grab	08G.W.S.089			Grey siltstone with cm-scale beds of iron formation
GS-08-134	7741335	2008	226781	6037781	21	NAD27	13K/06	Grab	08G.W.S.097			Weakly sericitized siltstone
GS-08-142	7741337	2008	226840	6037730	21	NAD27	13K/06	Core	CL-06	68.10	68.37	Hematized chert crosscut by fracture hosted pyrite
GS-08-143	7741338	2008	226840	6037730	21	NAD27	13K/06	Core	CL-06	72.77	73.20	Brecciated chert with minor hematite alteration
GS-08-150	7741343	2008	241421	6042575	21	NAD27	13K/07	Grab	08G.W.S.061			Hematized metabasalt
GS-08-153	7741345	2008	243647	6044137	21	NAD27	13K/07	Grab	08G.W.S.073			Fine-grained, green sandstone
GS-08-154	7741346	2008	243647	6044137	21	NAD27	13K/07	Grab	08G.W.S.073			Brecciated green sandstone; matrix comprised of quartz-carbonate
GS-08-156	7741347	2008	243892	6044140	21	NAD27	13K/07	Grab	08G.W.S.075			Brecciated green sandstone; matrix comprised of quartz-carbonate
GS-08-200	7741352	2008	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	971.00	971.37	Weakly porphyritic, felsic metavolcanic, containing 2-4% dissem pyrite
GS-08-216	7741359	2008	307146	6051898	21	NAD27	13J/12	Core	M-07-072	540.42	540.63	Weakly porphyritic, moderately foliated, felsic metavolcanic
GS-08-231	7741367	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	131.21	131.58	Hematized intermediate metavolcanic with up to 500 cps
GS-08-238	7741369	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	214.60	214.79	Fine-grained mafic dyke
GS-08-242	7741374	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	234.50	235.00	Weak hematitic alteration within intermediate metavolcanic
GS-08-244	7741375	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	239.98	240.17	Massive, chlorite-biotite-carbonate alteration within intermediate metavolcanic
GS-08-245	7741376	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	244.60	244.72	Mineralized actinolite veinlets in intermediate metavolcanic, up to 770 cps
GS-08-246	7741377	2008	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	246.78	247.11	Hematized intermediate metavolcanic with up to 1400 cps
GS-08-250	7741379	2008	362387	6093367	21	NAD27	13J/14	Grab	08G.W.S.001			Fine-grained mafic intrusive containing weakly hematized fragments of adjacent felsic metavolcanic
GS-08-251	7741381	2008	362387	6093367	21	NAD27	13J/14	Grab	08G.W.S.001			Weakly hematized felsic metavolcanic with up to 300 cps
GS-08-254	7741383	2008	362623	6093633	21	NAD27	13J/14	Grab	08G.W.S.004			Rusty weathering, weakly hematized mafic metavolcanic
GS-08-257	7741385	2008	362623	6093983	21	NAD27	13J/14	Grab	08G.W.S.006			Anomalous radioactivity within mafic fragments within felsic metavolcanic
GS-08-259	7741386	2008	362938	6095563	21	NAD27	13J/14	Grab	08G.W.S.008			Hematite-albite alteration within felsic metavolcanic
GS-08-265	7741391	2008	340335	6097873	21	NAD27	13O/03	Grab	08G.W.S.021			Sheared metagabbro hosting up to 200 cps
GS-08-272	7741398	2008	340740	6097583	21	NAD27	13O/03	Grab	08G.W.S.032			Sulphidic argillite; no anomalous radioactivity
GS-08-274	7741401	2008	361278	6113904	21	NAD27	13O/03	Grab	08G.W.S.038			Felsic metavolcanic hosting fracture-hosted disseminated pyrite and molybdenite mineralization
GS-08-281	7741406	2008	362156	6120344	21	NAD27	13O/03	Grab	08G.W.S.040			Hematite-albite alteration within felsic metavolcanic associated with anomalous radioactivity
GS-08-283	7741407	2008	362156	6120344	21	NAD27	13O/03	Grab	08G.W.S.040			Hematite-albite alteration within felsic metavolcanic associated with anomalous radioactivity
GS-08-284	7741408	2008	362092	6120196	21	NAD27	13O/03	Grab	08G.W.S.042			Pyrite-rich, altered volcanic with vein hosted flourite
GS-08-285	7741409	2008	362092	6120196	21	NAD27	13O/03	Grab	08G.W.S.042			Bleached felsic metavolcanic hosting molybdenite along foliation
GS-08-286	7741411	2008	340494	6097380	21	NAD27	13J/14	Grab	08G.W.S.043			Pyrite-rich zone in metagabbro
GS-08-289	7741412	2008	349570	6091870	21	NAD27	13J/14	Grab	08G.W.S.048			Rusty metasediment hosting anomalous radioactivity
GS-08-297	7741419	2008	246870	6044969	21	NAD27	13K/07	Core	ML-BZ-04	76.83	77.23	Hematized mafic dyke with up to 1900 cps
GS-09-063	7741441	2009	235628	6050956	21	NAD27	13K/11	Grab	09G.W.S.016			Moderately fractured chert interbedded with the siltstone unit
GS-09-072	7741444	2009	234518	6049192	21	NAD27	13K/11	Core	FHLS-07-04	138.28	138.38	Galena-sphalerite vein hosted in pegmatite
GS-09-113	7741455	2009	243333	6042941	21	NAD27	13K/07	Grab	09G.W.S.040			Pale grey, highly fractured chert, hosting anomalous radioactivity
GS-09-121	7741458	2009	252999	6052583	21	NAD27	13K/10	Grab	09G.W.S.048			Red coarse-grained Heggart Lake sandstone hosting anomalous radioactivity
GS-09-123	7741461	2009	253117	6049744	21	NAD27	13K/10	Grab	09G.W.S.052			Heggart Lake conglomerate hosting anomalous radioactivity
GS-09-146	7741473	2009	248471	6049469	21	NAD27	13K/10	Core	ML-MH-04	35.50	36.00	Pale green altered sandstone; no anomalous radioactivity
GS-09-147	7741474	2009	248471	6049469	21	NAD27	13K/10	Core	ML-MH-04	29.96	30.32	Pale red sandstone
GS-09-170	7741481	2009	243730	6042956	21	NAD27	13K/07	Core	ML-EM-03	28.24	28.68	Fine-grained ash with "spotty" Fe-carbonate alteration
GS-09-175	7741484	2009	240788	6041536	21	NAD27	13K/07	Core	ML-AR-09	154.63	155.00	Unmineralized graphitic, sulphide-rich shale
GS-09-182	7741485	2009	337358	6091555	21	NAD27	13J/13	Core	G-68-132	73.81	74.33	Garnetiferous metasediment
GS-09-184	7741486	2009	337358	6091555	21	NAD27	13J/13	Core	G-68-132	39.80	40.50	Thin'ly bedded to laminated siltstone
GS-09-204	7741489	2009	330458	6087013	21	NAD27	13J/13	Core	NW-77-02	4.70	5.30	Pale purple, fine-grained felsic tuff
GS-09-208	7741493	2009	325180	6057744	21	NAD27	13J/12	Grab	09G.W.S.061			Sericite ± pyrite alteration overprinting(?) hematite-albitic altered metavolcanic

Opern File LAB/1692 - Appendix D1: Raw Data and Detection Limits - Actlabs: 1D (Au + 34)

SampleNum	LabNum	Rock Type	Analysis	ActlabWt	Ag	As	Au	Ba	Br	Ca	Ce	Co	Cr	Cs	Eu	Fe	Hf	Hg	Ir	La	Lu	Mo	Na	Nd	Ni	Rb
Unit				grams	ppm	ppm	ppb	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	wt.%	ppm	ppm	ppm
Upper Detection Limit																						10000				
Lower Detection Limit					5	2	5 to 11	100, 300	1	1	3	5	10	2	0.2	0.02	1	1	5	1	0.05	5	0.05	5	50 to 324	30
Analysis Method					INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-07-050	7741195	Granodiorite	Actlabs: 1D (Au + 34)	1.64	-5	15	-10	2500	-1	17	-99	-5	124	-2	-0.2	4.37	4	-1	-5	-99	-99	-5	5.71	-99	-298	-30
GS-07-142	7741241	Pegmatite	Actlabs: 1D (Au + 34)	1.76	-5	-2	9	422	-1	-1	9	-5	-10	-2	0.6	1.06	1	-1	-5	2	0.14	18	2.67	-5	-50	90
GS-07-144	7741242	Pegmatite	Actlabs: 1D (Au + 34)	1.69	-5	-2	-5	250	-1	-1	29	-5	-10	-2	-0.2	0.80	11	-1	-5	9	-99	-5	3.35	28	-50	-30
GS-07-150	7741245	Pegmatite	Actlabs: 1D (Au + 34)	1.80	-5	-2	-5	240	-1	-1	8	-5	-10	-2	0.4	0.27	4	-1	-5	2	-0.05	12	1.46	9	-50	211
GS-07-190	7741255	Pegmatite	Actlabs: 1D (Au + 34)	1.70	-5	2	-5	-100	-1	-1	6	-5	-10	-2	0.8	1.22	9	-1	-5	4	0.33	-5	5.24	13	-50	-30
GS-08-011	7741295	Fe-carb./hem. alt.	Actlabs: 1D (Au + 34)	1.93	-5	4	-5	1560	-1	9	25	25	72	-2	-0.2	6.12	-1	-1	-5	11	-99	-5	3.58	55	-143	-30
GS-08-128	7741329	Argillite	Actlabs: 1D (Au + 34)	1.89	-5	36	79	663	-1	3	39	17	1270	-2	-0.2	9.75	-1	-1	15	12	-99	-5	-0.05	13	-50	-30
GS-08-129	7741331	Siltstone	Actlabs: 1D (Au + 34)	2.05	-5	8	-5	754	-1	-1	101	69	87	9	4.0	9.95	11	-1	-5	42	0.07	10	0.74	73	-50	-30
GS-08-134	7741335	Siltstone	Actlabs: 1D (Au + 34)	1.65	-5	4	-5	650	-1	-1	39	-5	85	4	0.9	3.48	9	-1	-5	23	0.23	-5	0.09	17	-50	156
GS-08-142	7741337	Fe-formation	Actlabs: 1D (Au + 34)	2.22	-5	117	99	-100	-1	-1	16	7	253	-2	-0.2	16.6	2	-1	-5	7	0.23	30	-0.05	10	-50	-30
GS-08-143	7741338	Fe-formation	Actlabs: 1D (Au + 34)	1.85	-5	18	-5	1950	-1	-1	38	77	112	9	1.6	8.49	5	-1	-5	17	0.56	13	-0.05	29	-50	79
GS-08-150	7741343	Breccia	Actlabs: 1D (Au + 34)	1.65	-5	4	-5	-100	-1	4	-3	35	67	3	-0.2	7.02	-1	-1	-5	2	0.35	13	4.38	14	-50	-30
GS-08-153	7741345	Sandstone	Actlabs: 1D (Au + 34)	2.02	-5	21	-5	-100	-1	5	5	43	173	-2	1.2	7.67	2	-1	-5	3	0.17	-5	1.34	-5	-50	-30
GS-08-154	7741346	Sandstone	Actlabs: 1D (Au + 34)	1.76	-5	33	-5	676	-1	-1	14	40	161	-2	-0.2	5.29	3	-1	-5	4	-0.05	-5	1.61	18	-50	-30
GS-08-156	7741347	Sandstone	Actlabs: 1D (Au + 34)	1.86	-5	7	-5	468	-1	3	21	53	219	-2	-0.2	13.4	2	-1	-5	5	-0.05	-5	0.08	21	-50	-30
GS-08-200	7741352	Felsic volcanic	Actlabs: 1D (Au + 34)	2.24	-5	5	-5	2340	-1	-1	159	-5	-10	-2	2.0	1.98	14	-1	-5	85	0.98	-5	2.87	59	-50	182
GS-08-216	7741359	Felsic volcanic	Actlabs: 1D (Au + 34)	1.72	-5	4	-5	594	-1	-1	193	-5	-10	-2	-0.2	1.58	13	-1	-5	96	2.48	84	6.49	47	-50	-30
GS-08-231	7741367	Intermed. volcanic	Actlabs: 1D (Au + 34)	2.17	-5	-2	-5	10000	-1	-1	-99	26	67	-2	-0.2	6.59	10	-1	-5	-99	-99	-5	6.23	-99	-258	-30
GS-08-238	7741369	Mafic dyke	Actlabs: 1D (Au + 34)	1.99	-5	5	-5	513	-1	-1	62	34	107	-2	1.6	6.12	6	-1	-5	30	0.53	12	3.92	28	-50	-30
GS-08-242	7741374	Intermed. volcanic	Actlabs: 1D (Au + 34)	1.93	-5	14	-5	1040	-1	-1	89	12	13	-2	3.2	5.91	7	-1	-5	51	-99	53	6.39	51	-50	-30
GS-08-244	7741375	Intermed. volcanic	Actlabs: 1D (Au + 34)	1.95	-5	9	-5	729	-1	12	86	35	-10	5	2.0	7.71	6	-1	-5	43	0.11	20	1.71	14	-50	124
GS-08-245	7741376	Intermed. volcanic	Actlabs: 1D (Au + 34)	1.80	-5	28	-5	1200	-1	16	-99	38	165	-2	-0.2	7.41	6	-1	-5	-99	-99	-5	3.95	-99	-296	-30
GS-08-246	7741377	Intermed. volcanic	Actlabs: 1D (Au + 34)	1.93	-5	17	-11	-300	-1	15	-99	24	180	-2	-0.2	4.34	7	-1	-5	-99	-99	-5	6.27	-99	-324	-30
GS-08-250	7741379	Amphibolite	Actlabs: 1D (Au + 34)	2.01	-5	14	-5	1160	-1	7	107	31	12	8	4.5	8.84	11	-1	-5	34	3.15	73	3.54	55	-50	162
GS-08-251	7741381	Felsic volcanic	Actlabs: 1D (Au + 34)	1.95	-5	5	-5	648	-1	-1	69	-5	-10	-2	-0.2	1.97	11	-1	-5	34	0.61	-5	5.14	24	-50	-30
GS-08-254	7741383	Amphibolite	Actlabs: 1D (Au + 34)	1.77	-5	4	11	837	-1	-1	95	27	21	8	4.3	10.8	6	-1	-5	33	1.05	176	3.96	69	-50	-30
GS-08-257	7741385	Felsic volcanic	Actlabs: 1D (Au + 34)	1.77	-5	3	-5	797	-1	-1	47	-5	-10	-2	-0.2	0.93	4	-1	-5	17	-99	-5	4.37	34	-50	-30
GS-08-259	7741386	Felsic volcanic	Actlabs: 1D (Au + 34)	1.83	-5	3	8	325	-1	-1	34	-5	18	-2	-0.2	2.02	7	-1	-5	15	-99	68	5.27	17	-50	-30
GS-08-265	7741391	Metagabbro	Actlabs: 1D (Au + 34)	1.90	-5	832	-5	962	-1	7	29	87	165	-2	-0.2	9.93	-1	-1	-5	6	-99	77	2.69	20	-50	-30
GS-08-272	7741398	Argillite	Actlabs: 1D (Au + 34)	1.61	-5	9	-5	689	-1	-1	13	-5	64	4	-0.2	4.65	6	-1	-5	7	0.17	18	2.68	-5	-50	143
GS-08-274	7741401	Felsic volcanic	Actlabs: 1D (Au + 34)	1.66	-5	43	-5	1690	-1	-1	140	-5	-10	-2	4.7	2.64	13	-1	-5	67	1.53	936	3.38	64	-50	-30
GS-08-281	7741406	Felsic volcanic	Actlabs: 1D (Au + 34)	2.05	-5	49	-5	1110	-1	-1	-99	-5	-10	-2	5.5	5.53	11	-1	-5	-99	-99	-5	7.22	-99	-173	-30
GS-08-283	7741407	Felsic volcanic	Actlabs: 1D (Au + 34)	1.83	-5	23	-5	2470	-1	-1	150	-5	15	-2	3.6	3.58	13	-1	-5	65	-99	-5	7.19	107	-169	-30
GS-08-284	7741408	Felsic volcanic	Actlabs: 1D (Au + 34)	1.81	-5	111	-5	1030	-1	-1	101	-5	-10	-2	3.4	5.71	12	-1	-5	54	1.17	1560	6.05	69	-50	-30
GS-08-285	7741409	Felsic volcanic	Actlabs: 1D (Au + 34)	1.68	-5	118	-5	-100	-1	-1	18	-5	-10	-2	1.2	4.56	11	-1	-5	9	0.65	-10000	5.03	43	-50	-30
GS-08-286	7741411	Metagabbro	Actlabs: 1D (Au + 34)	2.11	-5	-2	9	-100	-1	5	29	42	-10	-2	2.2	10.6	5	-1	-5	7	1.11	30	2.12	27	-50	-30
GS-08-289	7741412	Fe-formation	Actlabs: 1D (Au + 34)	2.00	-5	29	-5	468	-1	-1	10	-5	-10	-2	-0.2	5.49	-1	-1	-5	3	-0.05	62	-0.05	9	-50	-30
GS-08-297	7741419	Mafic dyke	Actlabs: 1D (Au + 34)	2.11	-5	-2	-5	11300	-1	12	-99	44	156	4	3.8	8.87	5	-1	-5	-99	-99	-5	2.55	-99	-231	149
GS-09-063	7741441	Chert	Actlabs: 1D (Au + 34)	32.8	-5	14	-5	200	-1	-1	24	-5	30	-2	0.6	2.07	2	-1	-5	12	0.1	6	0.07	8	-50	-30
GS-09-072	7741444	Vein	Actlabs: 1D (Au + 34)	29.7	-5	-2	65	-100	-1	17	8	9	-10	-2	-0.2	0.68	-1	-1	-5	4	0.54	-5	2.48	-5	-50	-30
GS-09-113	7741455	Chert	Actlabs: 1D (Au + 34)	32.9	-5	3	-5	-100	-1	-1	4	-5	30	-2	0.3	0.43	-1	-1	-5	3	-0.05	-5	-0.05	-5	-50	-30
GS-09-121	7741458	Sandstone	Actlabs: 1D (Au + 34)	31.7	-5	4	-5	300	-1	-1	71	5	50	-2	0.7	1.76	6	-1	-5	31	0.42	-5	2.69	17	-50	60
GS-09-123	7741461	Conglomerate	Actlabs: 1D (Au + 34)	30.8	-5	120	-5	1000	-1	-1	62	7	50	2	-0.2	1.24	7	-1	-5	28	-0.05	112	0.77	17	-50	70
GS-09-146	7741473	Sandstone	Actlabs: 1D (Au + 34)	30.5	-5	14	-5	600	-1	6	65	8	50	3	0.8	1.37	6	-1	-5	33	0.65	-5	0.10	19	-50	100
GS-09-147	7741474	Sandstone	Actlabs: 1D (Au + 34)	30.6	-5	6	-5	700	-1	-1	56	-5	30	2	1.0	1.58	7	-1	-5	29	0.41	-5	0.09	22	-50	130
GS-09-170	7741481	Tuff	Actlabs: 1D (Au + 34)	30.7	-5	-2	-5	-100	-1	-1	86	-5	40	-2	1.1	1.55	8	-1	-5	38	0.4	-5	4.80	32	-50	-30
GS-09-175	7741484	Argillite	Actlabs: 1D (Au + 34)	32.2	-5	20	-5	500	-1	-1	65	17	160	-2	1.4	4.16	6	-1	-5	33	0.44	-5	6.80	24	-50	-30
GS-09-182	7741485	Semipelite	Actlabs: 1D (Au + 34)	35.0	-5	5	-5	600	-1	-1	78	40	110	3	2.0	9.77	5	-1	-5	32	0.3	-5	0.56	18	-50	130
GS-09-184	7741486	Semipelite	Actlabs: 1D (Au + 34)	33.7	-5	32	-5	600	-1	-1	50	40	120	5	1.6	10.2	4	-1	-5	22	0.44	26	0.49	31	-50	80
GS-09-204	7741489	Felsic tuff	Actlabs: 1D (Au + 34)	32.2	-5	15	-5	-100	-1	4	8	42	220	-2	0.5	7.50	1	-1	-5	3	0.37	-5	2.71	-5	-50	110
GS-09-208	7741493	Felsic volcanic	Actlabs: 1D (Au + 34)	29.1	-5	125	-5	300	-1	-1	77	-5	10	-2	-0.2	1.69	8	-1	-5	43	0.64	9	0.44	28	-50	210

Opern File LAB/1692 - Appendix D1: Raw Data and Detection Limits - Actlabs: 1D (Au + 34)

SampleNum	LabNum	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Th	U	W	Yb	Zn
Unit		ppm	ppm	ppm	ppm	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit														
Lower Detection Limit		0.2	0.1	5 to 10	0.1	0.05	0.1	1	0.5	0.5	0.5	4	0.2	50, 70
Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-07-050	7741195	-0.2	6.9	-5	-99	-0.05	-0.1	-1	-0.5	-0.5	2860	-4	-0.2	-70
GS-07-142	7741241	-0.2	0.6	-5	0.7	-0.05	-0.1	-1	-0.5	-0.5	15.4	-4	0.9	-50
GS-07-144	7741242	0.3	1.7	-5	5.6	-0.05	0.1	-1	-0.5	34.6	183	-4	1.3	-50
GS-07-150	7741245	-0.2	0.6	-5	0.6	-0.05	-0.1	-1	-0.5	7.0	23.2	-4	-0.2	-50
GS-07-190	7741255	-0.2	1.6	-5	1.0	-0.05	-0.1	-1	-0.5	22.1	12.5	-4	1.1	-50
GS-08-011	7741295	1.0	31.2	-5	6.5	-0.05	-0.1	-1	-0.5	-0.5	304	-4	2.2	-50
GS-08-128	7741329	0.7	1.2	143	3.3	-0.05	-0.1	-1	-0.5	1.3	142	-4	1.4	247
GS-08-129	7741331	2.1	33.8	-5	7.5	-0.05	-0.1	3	-0.5	4.8	4.6	-4	2.6	299
GS-08-134	7741335	0.5	9.8	-5	1.8	-0.05	-0.1	-1	-0.5	7.3	5.6	-4	1.2	98
GS-08-142	7741337	7.4	4.0	109	0.9	-0.05	-0.1	-1	-0.5	1.8	17.6	7	1.2	-50
GS-08-143	7741338	1.2	23.4	-5	2.9	-0.05	-0.1	-1	-0.5	2.1	6.9	8	3.6	507
GS-08-150	7741343	1.6	35.1	-5	1.2	-0.05	-0.1	-1	-0.5	-0.5	11.7	-4	1.6	-50
GS-08-153	7741345	0.5	44.2	-5	1.4	-0.05	-0.1	-1	-0.5	1.0	2.2	-4	2.5	-50
GS-08-154	7741346	-0.2	35.1	-5	2.2	-0.05	-0.1	-1	-0.5	-0.5	57.6	-4	2.3	273
GS-08-156	7741347	0.7	45.5	-5	2.1	-0.05	-0.1	-1	-0.5	-0.5	72.0	-4	1.4	208
GS-08-200	7741352	-0.2	5.6	-5	8.3	-0.05	-0.1	-1	-0.5	19.6	10.4	-4	6.0	2210
GS-08-216	7741359	-0.2	2.2	-5	13.5	-0.05	-0.1	-1	3.2	33.6	72.0	-4	13.0	-50
GS-08-231	7741367	-0.2	21.2	-5	-99	-0.05	-0.1	-1	-0.5	8.4	1470	-4	3.1	383
GS-08-238	7741369	0.5	24.3	-5	4.6	-0.05	-0.1	-1	-0.5	6.9	9.6	-4	3.4	-50
GS-08-242	7741374	1.4	18.9	-5	9.9	-0.05	-0.1	-1	-0.5	8.3	91.2	-4	2.7	-50
GS-08-244	7741375	-0.2	13.4	-5	4.5	-0.05	-0.1	-1	-0.5	6.2	25.6	-4	2.7	446
GS-08-245	7741376	-0.2	24.7	-9	-99	-0.05	-0.1	-1	-0.5	6.7	2620	-4	2.6	264
GS-08-246	7741377	-0.2	18.3	-10	-99	-0.05	-0.1	-1	-0.5	16.0	3960	-4	-0.2	-50
GS-08-250	7741379	0.5	31.1	-5	10.7	-0.05	-0.1	-1	3.2	53.2	94.4	24	21.5	932
GS-08-251	7741381	-0.2	5.9	-5	6.3	-0.05	-0.1	-1	-0.5	7.7	83.2	-4	3.2	540
GS-08-254	7741383	-0.2	32.4	-5	9.7	-0.05	-0.1	4	-0.5	5.9	122	-4	5.8	446
GS-08-257	7741385	-0.2	1.5	-5	5.4	-0.05	-0.1	-1	-0.5	4.8	150	-4	1.5	-50
GS-08-259	7741386	0.9	2.1	-5	3.6	-0.05	-0.1	-1	-0.5	18.2	87.0	-4	1.3	-50
GS-08-265	7741391	-0.2	53.3	-5	3.1	-0.05	-0.1	-1	-0.5	-0.5	82.5	-4	1.6	-50
GS-08-272	7741398	0.4	26.0	-5	0.9	-0.05	-0.1	-1	-0.5	6.4	5.6	-4	2.6	-50
GS-08-274	7741401	9.6	7.2	-5	11.7	-0.05	-0.1	-1	1.7	7.3	138	-4	8.5	5720
GS-08-281	7741406	0.8	14.6	-5	-99	-0.05	-0.1	-1	3.1	35.4	927	-4	9.3	-50
GS-08-283	7741407	-0.2	10.7	-5	16.9	-0.05	-0.1	-1	1.3	8.0	390	-4	6.6	-50
GS-08-284	7741408	0.5	12.6	-5	10.9	-0.05	-0.1	4	-0.5	5.7	31.5	-4	7.2	-50
GS-08-285	7741409	-0.2	8.6	-5	4.7	-0.05	-0.1	-1	-0.5	1.8	22.5	-4	3.8	195
GS-08-286	7741411	0.8	39.0	-5	4.2	-0.05	-0.1	-1	-0.5	-0.5	5.7	-4	6.8	-50
GS-08-289	7741412	-0.2	0.1	-5	1.2	-0.05	-0.1	-1	-0.5	0.7	63.0	-4	-0.2	169
GS-08-297	7741419	2.5	28.4	-5	-99	-0.05	-0.1	-1	-0.5	-0.5	2200	-4	3.1	737
GS-09-063	7741441	3.0	1.0	-5	1.8	-0.05	-0.1	1	-0.5	1.8	2.3	-4	0.9	-50
GS-09-072	7741444	-0.2	1.8	18	-0.1	-0.05	-0.1	-1	-0.5	-0.5	43.4	-4	2.8	58000
GS-09-113	7741455	0.3	0.2	-5	0.3	-0.05	-0.1	-1	-0.5	-0.5	1.5	-4	0.2	-50
GS-09-121	7741458	2.0	5.8	-5	3.5	-0.05	-0.1	-1	-0.5	12.4	14.9	-4	2.8	-50
GS-09-123	7741461	15.9	6.0	-5	2.1	-0.05	-0.1	-1	-0.5	12.5	107	-4	2.7	-50
GS-09-146	7741473	1.2	6.5	-5	3.3	-0.05	-0.1	-1	-0.5	10.5	29.1	-4	3.3	50
GS-09-147	7741474	1.3	4.7	-5	3.6	-0.05	-0.1	-1	-0.5	10.8	5.2	-4	3.2	-50
GS-09-170	7741481	1.1	5.9	-5	4.7	-0.05	-0.1	-1	-0.5	9.0	5.4	-4	3.2	-50
GS-09-175	7741484	3.3	12.1	-5	3.6	-0.05	-0.1	-1	-0.5	9.6	15.9	-4	2.3	-50
GS-09-182	7741485	-0.2	34.2	-5	5.6	-0.05	-0.1	2	1.2	8.0	5.9	-4	2.1	160
GS-09-184	7741486	-0.2	30.0	-5	3.9	-0.05	-0.1	-1	-0.5	5.8	4.9	-4	3.3	-50
GS-09-204	7741489	1.1	48.1	-5	1.3	-0.05	-0.1	-1	-0.5	-0.5	9.2	-4	2.4	180
GS-09-208	7741493	1.8	1.7	-5	2.9	-0.05	-0.1	-1	-0.5	20.0	5.6	-4	4.2	-50

Open File LAB/1692 - Appendix D2: Duplicates Data and Detection Limits - Actlabs: 1D (Au + 34)

DuplicateID	Control	AnalysisYr	Analysis	ActlabWt	Ag	As	Au	Ba	Br	Ca	Ce	Co	Cr	Cs	Eu	Fe	Hf	Hg	Ir	La	Lu	Mo	Na	Nd	Ni
Unit				grams	ppm	ppm	ppb	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	wt.%	ppm	ppm
Upper Detection Limit																						10000			10000
Lower Detection Limit					5 to 15	2	5	100	1 to 5	1, 5	3	5	10, 25	2	0.2 to 0.9	0.02	1	1	5	1	0.05	5	0.05	5	50 to 1000
Analysis Method					INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
for 46 samples GS-07-050 to GS-08-297																									
GS-07-295	original	2008	Actlabs: 1D (Au + 34)	1.76	-5	57	-5	567	-1	-1	107	-5	30	-2	1.2	1.40	7	-1	-5	45	-99	-5	2.32	59	-109
GS-07-295 Split PULP DUP	split	2008	Actlabs: 1D (Au + 34)	1.72	-5	59	-5	554	-1	-1	100	-5	-10	-2	-0.2	1.28	8	-1	-5	44	-99	-5	2.38	76	-111
GS-08-285	original	2008	Actlabs: 1D (Au + 34)	1.68	-5	118	-5	-100	-1	-1	18	-5	-10	-2	1.2	4.56	11	-1	-5	9	0.65	-10000	5.03	43	-50
GS-08-285 Split PULP DUP	split	2008	Actlabs: 1D (Au + 34)	1.75	-5	111	-5	-100	-1	-1	22	-5	-10	-2	1.1	4.47	9	-1	-5	9	0.65	-10000	4.81	-5	-50

Open File LAB/1692 - Appendix D2: Duplicates Data and Detection Limits - Actlabs: 1D (Au + 34)

DuplicateID	Rb	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Th	U	W	Yb	Zn
Unit	ppm	ppm	ppm	ppm	ppm	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit														
Lower Detection Limit	30	0.2, 0.7	0.1	5 to 23	0.1	0.05, 0.13	0.1	1	0.5, 1.6	0.5	0.5	4	0.2	50 to 138
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
for 46 samples GS-07-050 to														
GS-07-295	116	2.4	6.6	-5	12.7	-0.05	-0.1	-1	-0.5	13.2	371	-4	5.5	-50
GS-07-295 Split PULP DUP	162	2.4	6.5	-5	12.8	-0.05	-0.1	-1	-0.5	12.3	371	-4	5.5	-50
GS-08-285	-30	-0.2	8.6	-5	4.7	-0.05	-0.1	-1	-0.5	1.8	22.5	-4	3.8	195
GS-08-285 Split PULP DUP	-30	-0.2	8.2	-5	4.5	-0.05	-0.1	-1	-0.5	2.3	19.3	-4	4.2	-50

Open File LAB/1692 - Appendix D3: Standards Data and Detection Limits - Actlabs: 1D (Au + 34)

StandardID	Control	AnalysisYr	Analysis	ActlabWt	Ag	As	Au	Ba	Br	Ca	Ce	Co	Cr	Cs	Eu	Fe	Hf	Hg	Ir	La	Lu	Mo	Na	Nd	Ni	Rb
Unit				grams	ppm	ppm	ppb	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppb	ppm	ppm	ppm	wt.%	ppm	ppm	ppm
Upper Detection Limit																						10000			10000	
Lower Detection Limit					5 to 15	2	5	100	1 to 5	1, 5	3	5	10, 25	2	0.2 to 0.9	0.02	1	1	5	1	0.05	5	0.05	5	50 to 1000	30
Analysis Method					INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
for 46 samples GS-07-050 to GS-08-297																										
BLANK	blank	2008	Actlabs: 1D (Au + 34)	1.00	-5	-2	-5	-100	-1	-1	-3	-5	-10	-2	-0.2	-0.02	-1	-1	-5	-1	-0.05	-5	-0.05	-5	-50	-30
DH-1A	standard	2008	Actlabs: 1D (Au + 34)	0.50	-11	46	562	-99	-4	-5	1570	84	257	-2	-0.6	4.87	-1	-1	-5	1050	-99	-5	-0.05	869	-694	-30
DH-1A	standard	2008	Actlabs: 1D (Au + 34)	0.50	-15	-2	577	-99	-5	31	1670	87	-25	-2	-0.9	5.77	-1	-1	140	1110	-99	-5	-0.05	912	-1000	-30
DMMAS 107	standard	2008	Actlabs: 1D (Au + 34)	1.26	-5	2860	532	-100	-1	8	24	74	173	-2	0.8	7.11	3	-1	-5	16	0.56	-5	0.80	-5	-50	-30
DMMAS 107	standard	2008	Actlabs: 1D (Au + 34)	1.23	-5	2970	545	-100	-1	8	21	72	176	-2	1.5	7.02	4	-1	-5	16	0.58	-5	0.79	-5	-50	-30
for 13 samples GS-09-063 to 208																										
DMMAS 108-B Meas	standard	2009	Actlabs: 1D (Au + 34)	-99	-99	3110	625	-99	-99	-99	27	84	200	-99	-99	7.58	-99	-99	-99	17	-99	-99	0.84	-99	-99	-99
DMMAS 108-B Cert	certified	2009	Actlabs: 1D (Au + 34)	-99	-99	3160	625	-99	-99	-99	31	81	189	-99	-99	7.65	-99	-99	-99	16.5	-99	-99	0.8	-99	-99	-99
Method Blank	blank	2009	Actlabs: 1D (Au + 34)	30	-5	-2	-5	-100	-1	-1	-3	-5	-10	-2	-0.2	-0.02	-1	-1	-5	-1	-0.05	-5	-0.05	-5	-50	-30

Open File LAB/1692 - Appendix D3: Standards Data and Detection Limits - Actlabs: 1D (Au + 34)

StandardID	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Th	U	W	Yb	Zn
Unit	ppm	ppm	ppm	ppm	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit													
Lower Detection Limit	0.2, 0.7	0.1	5 to 23	0.1	0.05, 0.13	0.1	1	0.5, 1.6	0.5	0.5	4	0.2	50 to 138
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
for 46 samples GS-07-0													
BLANK	-0.2	-0.1	-5	-0.1	-0.05	-0.1	-1	-0.5	-0.5	-0.5	-4	-0.2	-50
DH-1A	3.0	5.6	-15	136	-0.13	-0.1	29	12.5	922	2630	-4	21.5	-94
DH-1A	-0.7	5.5	-23	141	1.20	-0.1	23	-1.6	899	2620	-4	22.8	-138
DMMAS 107	3.1	15.6	-5	3.8	-0.05	-0.1	-1	-0.5	2.9	32.0	12	2.2	208
DMMAS 107	3.4	14.9	-5	3.2	-0.05	-0.1	-1	-0.5	2.7	31.2	13	2.7	270
for 13 samples GS-09-0													
DMMAS 108-B Meas	-99	16.2	-99	-99	-99	-99	-99	-99	-99	42.5	16	-99	-99
DMMAS 108-B Cert	-99	16.3	-99	-99	-99	-99	-99	-99	-99	37.8	16	-99	-99
Method Blank	-0.2	-0.1	-5	-0.1	-0.05	-0.1	-1	-0.5	-0.5	-0.5	-4	-0.2	-50

Open File LAB/1692 - Appendix E1: Raw Data and Detection Limits - Actlabs: 1H (Au + 48)

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Upper Detection Limit												
Lower Detection Limit												
Analysis Method												
GS-07-002	7741178	2008	359920	6113210	21	NAD27	13O/03	Core	A-3-2	28.19	28.44	Pale grey altered tuff marginal to dyke
GS-07-003	7741179	2008	359920	6113210	21	NAD27	13O/03	Core	A-3-2	28.44	28.69	Pale grey altered tuff adjacent to dyke
GS-07-005	7741182	2008	359920	6113210	21	NAD27	13O/03	Core	A-3-2	35.70	35.90	Mineralized fracture zone in tuff containing trace Py, Cpy, Mo and anomalous radioactivity
GS-07-006	7741183	2008	359920	6113210	21	NAD27	13O/03	Core	A-3-2	35.90	36.10	Mineralized fracture zone in tuff containing trace Py, Cpy, Mo and anomalous radioactivity
GS-07-014	7741186	2008	361040	6111550	21	NAD27	13O/03	Core	A-7-2	40.80	41.30	Fine-grained mafic dyke
GS-07-015	7741187	2008	361040	6111550	21	NAD27	13O/03	Core	A-7-2	42.08	42.30	Hematitized mafic dyke
GS-07-016	7741188	2008	361040	6111550	21	NAD27	13O/03	Core	A-7-2	44.60	45.10	Hematized mafic dyke with up to 500 cps
GS-07-032	7741189	2008	361030	6111390	21	NAD27	13O/03	Core	A-7-6	41.28	41.58	Crystal tuff
GS-07-053	7741197	2008	230377	6054491	21	NAD27	13K/11	Core	CMB-06-01	40.54	40.80	Chlorite-rich breccia
GS-07-057	7741199	2008	230377	6054491	21	NAD27	13K/11	Core	CMB-06-01	44.39	44.71	Hematized breccia with up to 300 cps
GS-07-063	7741202	2008	233069	6047169	21	NAD27	13K/11	Core	51568	59.05	59.40	Chlorite altered granodiorite-tonalite
GS-07-065	7741203	2008	233069	6047169	21	NAD27	13K/11	Core	51568	61.15	61.45	Uraniferous hematitic alteration
GS-07-066	7741204	2008	233069	6047169	21	NAD27	13K/11	Core	51568	71.25	71.65	Hematized and fractured granodiorite-tonalite with up to 310 cps
GS-07-070	7741205	2008	233148	6047109	21	NAD27	13K/11	Core	51544	46.80	47.10	Chloritic alteration with up to 230 cps
GS-07-079	7741207	2008	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	136.00	136.50	Unmineralized hematite-rich breccia
GS-07-080	7741208	2008	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	175.07	175.57	Chlorite-rich breccia
GS-07-081	7741209	2008	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	194.08	195.03	Chloritic cataclastic brecciation with weak hematite alteration
GS-07-087	7741211	2008	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	254.33	254.73	Mineralized cataclastic breccia with moderate hematite alteration
GS-07-095	7741214	2008	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	140.87	141.17	Unmineralized cataclastic breccia with moderate hematite alteration
GS-07-096	7741215	2008	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	172.15	172.55	Pervasive hematite-carbonate alteration with up to 1860 cps
GS-07-100	7741216	2008	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	245.00	245.75	Vuggy textured granodiorite-tonalite
GS-07-114	7741219	2008	264755	6047515	21	NAD27	13K/10	Grab	07G.W.S.044			Fracture-hosted uranium mineralization in sandstone
GS-07-115	7741221	2008	315109	6057206	21	NAD27	13J/12	Grab	07G.W.S.047			Uraniferious boulder of crystal tuff containing fracture-hosted magnetite
GS-07-122	7741225	2008	314745	6056010	21	NAD27	13J/12	Grab	07G.W.S.049			Fine-grained, porphyritc mafic material with up to 8000 cps
GS-07-128	7741229	2008	250815	6047466	21	NAD27	13K/10	Grab	07G.W.S.053			Sheared pebble conglomerate containing localized rusty gossan zones
GS-07-130	7741232	2008	250906	6047564	21	NAD27	13K/10	Core	MOR-65-1S	5.66	6.42	Sheared pebble conglomerate containing localized uranium mineralization
GS-07-131	7741233	2008	250906	6047564	21	NAD27	13K/10	Core	MOR-65-1S	14.41	14.65	Patchy pyritic alteration within pebbly congolomerate
GS-07-134	7741234	2008	340900	6097160	21	NAD27	13J/14	Core	B-24	32.54	32.84	Metasediment containing up to 770 cps
GS-07-136	7741235	2008	231695	6008519	21	NAD27	13K/03	Grab	07G.W.S.011			Felsic metavolcanic containing localized copper staining and flourite along foliation planes
GS-07-138	7741236	2008	231695	6008519	21	NAD27	13K/03	Grab	07G.W.S.011			Foliated felsic metavolcanic containing elevated radioactivity
GS-07-140	7741238	2008	238081	6014192	21	NAD27	13K/03	Grab	07G.W.S.015			Fine-grained granite
GS-07-146	7741243	2008	310896	6122616	21	NAD27	13O/04	Grab	07G.W.S.059			Biotite-rich shear zone hosting anomalous radioactivity
GS-07-149	7741244	2008	242784	6098785	21	NAD27	13K/14	Grab	07G.W.S.061			Quartz-rich pegmatite hosting anomalous radioactivity
GS-07-152	7741246	2008	307705	6062769	21	NAD27	13J/12	Grab	07G.W.S.062			Magnetite-chlorite alteration
GS-07-153	7741247	2008	307702	6062780	21	NAD27	13J/12	Grab	07G.W.S.062			Hematite-chlorite altered granite
GS-07-175	7741251	2008	233095	6047161	21	NAD27	13K/11	Grab	07G.W.S.017			Hematized pegmatite hosting uranium mineralization
GS-07-178	7741252	2008	234497	6049153	21	NAD27	13K/11	Grab	07G.W.S.020			Hematized pegmatite hosting uranium mineralization
GS-07-180	7741253	2008	234497	6049153	21	NAD27	13K/11	Grab	07G.W.S.020			Hematized pegmatite hosting uranium mineralization
GS-07-183	7741254	2008	234501	6049144	21	NAD27	13K/11	Core	FHLS-07-06	71.26	71.86	Hematized granodiorite hosting up to 650 cps
GS-07-194	7741256	2008	231450	6049565	21	NAD27	13K/11	Grab	07G.W.S.028			Hematized granodiorite
GS-07-196	7741257	2008	234501	6049144	21	NAD27	13K/11	Core	FHLS-07-03	37.75	38.28	Hematized granodiorite with up to 1200 cps
GS-07-229	7741263	2008	333035	6066263	21	NAD27	13J/12	Core	JL-06-13	123.30	123.66	Intermediate metavolcanic hosting network-style biotite-actinolite fracturing
GS-07-242	7741264	2008	307400	6052550	21	NAD27	13J/12	Core	M-06-11	310.95	311.46	Weakly hematized metavolcanic
GS-07-257	7741267	2008	310247	6125426	21	NAD27	13O/04	Core	DS-07-04	170.04	170.32	Pegmatite with up to 1500 cps
GS-07-259	7741268	2008	310247	6125426	21	NAD27	13O/04	Core	DS-07-04	101.80	102.30	Amphibolite
GS-07-260	7741269	2008	310247	6125426	21	NAD27	13O/04	Core	DS-07-04	109.20	109.57	Biotite-bearing intrusive with up to 225 cps
GS-07-268	7741273	2008	231788	6008220	21	NAD27	13K/03	Grab	07G.W.S.031			Pebble conglomerate locally containing up to 325 cps
GS-07-269	7741274	2008	231359	6008329	21	NAD27	13K/03	Grab	07G.W.S.033			Mica-rich quartz-pebble conglomerate; locally with up to 400 cps
GS-07-270	7741275	2008	231359	6008329	21	NAD27	13K/03	Grab	07G.W.S.033			Quartz veins in pebble conglomerate containing specularite
GS-07-271	7741276	2008	240134	6014636	21	NAD27	13K/02	Grab	07G.W.S.038			Quartz vein locally containing elevated radioactivity
GS-07-273	7741278	2008	238986	6039226	21	NAD27	13K/06	Grab	07G.W.S.040			Mineralized iron formation containing up to 1500 cps with fracture
GS-08-005	7741294	2008	239078	6038995	21	NAD27	13K/06	Core	51549	13.70	14.20	Hematitic/iron carbonate alteration with up to 850 cps
GS-08-028	7741302	2008	340900	6097160	21	NAD27	13J/14	Core	B-21	67.06	68.06	Garnetiferous argillite
GS-08-038	7741306	2008	340900	6097160	21	NAD27	13J/14	Core	K-74-08	74.29	74.79	Garnetiferous argillite
GS-08-039	7741307	2008	340900	6097160	21	NAD27	13J/14	Core	K-74-08	91.03	91.53	Sulphidic argillite
GS-08-040	7741308	2008	340900	6097160	21	NAD27	13J/14	Core	K-74-08	106.45	106.95	Sulphidic argillite

Open File LAB/1692 - Appendix E1: Raw Data and Detection Limits - Actlabs: 1H (Au + 48)

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Upper Detection Limit												
Lower Detection Limit												
Analysis Method												
GS-08-042	7741309	2008	340900	6097160	21	NAD27	13J/14	Core	K-74-08	116.50	117.00	Metabasalt
GS-08-047	7741311	2008	340900	6097160	21	NAD27	13J/14	Core	B-47	111.66	112.16	Sulphidic argillite
GS-08-048	7741312	2008	340900	6097160	21	NAD27	13J/14	Core	B-47	119.74	120.24	Sulphidic argillite
GS-08-049	7741313	2008	340900	6097160	21	NAD27	13J/14	Core	B-47	131.40	131.90	Argillite
GS-08-054	7741314	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	55.80	56.12	Brecciated hematitic/iron carbonate alteration
GS-08-055	7741315	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	56.75	57.13	Metabasalt
GS-08-057	7741316	2008	243878	6043687	21	NAD27	13K/07	Core	ML-03	71.43	71.73	Brecciated hematitic/iron carbonate alteration
GS-08-073	7741326	2008	243878	6043687	21	NAD27	13K/07	Core	ML-04	96.60	97.24	Weakly hematized chert
GS-08-103	7741327	2008	243937	6043516	21	NAD27	13K/07	Core	ML-82	267.50	268.00	Sulphidic siltstone
GS-08-107	7741328	2008	243669	6043395	21	NAD27	13K/07	Core	ML-63	377.15	377.65	Medium-grained sandstone
GS-08-131	7741332	2008	227208	6038302	21	NAD27	13K/06	Grab	08G.W.S.092			Sulphidic siltstone containg rare copper mineralization
GS-08-132	7741333	2008	227088	6037879	21	NAD27	13K/06	Grab	08G.W.S.093			Iron formation containing elevated radioactivity
GS-08-133	7741334	2008	226943	6037874	21	NAD27	13K/06	Grab	08G.W.S.094			Boulder of rusty sulphidic siltstone with up to 1000 cps locally
GS-08-144	7741339	2008	226840	6037730	21	NAD27	13K/06	Core	CL-06	82.03	82.63	Sulphidic black shale containing anomalous radioactivity
GS-08-145	7741341	2008	248461	6049458	21	NAD27	13K/10	Core	ML-MH-13	7.75	8.35	Medium-grained, red sandstone
GS-08-146	7741342	2008	248461	6049458	21	NAD27	13K/10	Core	ML-MH-13	29.83	30.48	Medium-grained, red sandstone
GS-08-151	7741344	2008	241961	6042717	21	NAD27	13K/07	Grab	08G.W.S.063			Brecciated hematite-carbonate alteration hosting anomalous copper mineralization
GS-08-158	7741348	2008	240801	6041553	21	NAD27	13K/07	Core	ML-AR-04	201.40	201.90	Sulphide-rich black shales containing up to 10-15% pyrite
GS-08-161	7741349	2008	240801	6041553	21	NAD27	13K/07	Core	ML-AR-04	234.00	234.55	Pale grey siltstone
GS-08-221	7741364	2008	332769	6065965	21	NAD27	13J/12	Core	JL-07-058	18.06	18.40	Mineralized actinolite veinlets in intermediate metavolcanic, up to 875 cps
GS-08-222	7741365	2008	332769	6065965	21	NAD27	13J/12	Core	JL-07-058	22.50	22.91	Mineralized actinolite veinlets in intermediate metavolcanic, up to 1300 cps
GS-08-249	7741378	2008	356755	6105461	21	NAD27	13O/03	Grab	08G.W.S.112			Rusty gossan zone developed marginal to granite intrusion
GS-08-264	7741389	2008	340325	6097816	21	NAD27	13O/03	Grab	08G.W.S.020			Magnetite-rich chert
GS-08-266	7741392	2008	340488	6097935	21	NAD27	13O/03	Grab	08G.W.S.022			Argillite containing up to 2700 cps
GS-08-267	7741393	2008	340761	6097176	21	NAD27	13J/14	Grab	08G.W.S.023			Argillite containing strong radioactivity
GS-08-268	7741394	2008	340763	6097165	21	NAD27	13J/14	Grab	08G.W.S.025			Mineralized argillite immediately adjacent to feldspar porphyry dyke
GS-08-275	7741402	2008	361278	6113904	21	NAD27	13O/03	Grab	08G.W.S.038			Weakly hematized felsic metavolcanic
GS-08-276	7741403	2008	361278	6113904	21	NAD27	13O/03	Grab	08G.W.S.038			Weakly hematized felsic metavolcanic containing fracture-hosted uranium mineralization
GS-08-277	7741404	2008	361317	6113811	21	NAD27	13O/03	Grab	08G.W.S.039			Coarsely crystalline, pyrite-rich, felsic metavolcanic hosting anomalous radioactivity
GS-08-278	7741405	2008	361317	6113811	21	NAD27	13O/03	Grab	08G.W.S.039			Fine-grained, pyrite-poor, felsic metavolcanic with only weak radioactivity
GS-08-290	7741413	2008	349435	6091760	21	NAD27	13J/14	Grab	08G.W.S.049			Gossan zone in metasediment; no radioactivity
GS-08-291	7741414	2008	349430	6091737	21	NAD27	13J/14	Grab	08G.W.S.050			Mineralized iron formation
GS-08-292	7741415	2008	359019	6105008	21	NAD27	13O/03	Grab	08G.W.S.053			Altered felsic metavolcanic containing molybdenite and lesser uranium mineralization
GS-08-301	7741421	2008	242623	6042905	21	NAD27	13K/07	Grab	08G.W.S.078			Hematite-albite breccia; no associated radioactivity
GS-09-115	7741456	2009	243300	6042909	21	NAD27	13K/07	Grab	09G.W.S.041			Iron-carbonate veining developed within the chert
GS-09-142	7741469	2009	248471	6049469	21	NAD27	13K/10	Core	ML-MH-04	70.58	71.02	Pebble conglomerate containing disseminated chalcopyrite
GS-09-163	7741477	2009	244671	6048643	21	NAD27	13K/10	Core	ML-A51-03	19.62	20.10	Sulphidic shale immediately above contact with dolostone
GS-09-166	7741478	2009	243328	6042908	21	NAD27	13K/07	Core	ML-EM-05	19.16	19.56	Brecciated sulphidic shale
GS-09-169	7741479	2009	243730	6042956	21	NAD27	13K/07	Core	ML-EM-03	30.44	31.00	Coarse-grained, pale red sandstone
GS-09-173	7741482	2009	240788	6041536	21	NAD27	13K/07	Core	ML-AR-09	162.41	162.94	Unmineralized pale beige alteration developed in siltstone
GS-09-220	7741502	2009	339032	6093232	21	NAD27	13J/13	Grab	09G.W.S.068			Malachite-stained, sheared and carbonate altered granite

Open File LAB/1692 - Appendix E1: Raw Data and Detection Limits - Actlabs: 1H (Au + 48)

SampleNum	LabNum	Rock Type	Analysis	ActlabWt	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Cu	Eu	Fe	Hf	Hg	Ir	K	La
Unit				grams	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm 10000	wt.%	ppm	wt.%	ppm	ppm	ppb	wt.%	ppm
Upper Detection Limit																											
Lower Detection Limit					0.3	0.01	0.5	2	50	1	2	0.5 to 1.2	0.01	0.3	3	1	2	1	1	0.001	0.2	0.01	1	1 to 6	5	0.01	0.5
Analysis Method					TD-ICP	TD-ICP				TD-ICP	TD-ICP		TD-ICP	TD-ICP					TD-ICP	ICP-OES						TD-ICP	
				INAA			INAA	INAA	INAA			INAA			INAA	INAA	INAA	INAA			INAA	INAA	INAA	INAA	INAA		INAA
GS-07-002	7741178	Felsic tuff	Actlabs: 1H (Au+48)	17.6	1.8	5.31	10.5	-2	-50	2	-2	-0.5	0.29	0.9	157	4	17	-1	29	-99	1.7	2.54	10	-1	-5	2.46	86.3
GS-07-003	7741179	Felsic tuff	Actlabs: 1H (Au+48)	23.4	2.7	6.02	7.1	-2	470	3	-2	-0.5	0.62	2.2	130	-1	-2	-1	52	-99	1.2	2.13	9	-1	-5	1.90	85.8
GS-07-005	7741182	Felsic tuff	Actlabs: 1H (Au+48)	23.8	8.6	5.23	5.2	-2	-50	5	-2	-0.5	0.24	1.3	127	-1	13	-1	1480	-99	1.1	2.04	7	-1	-5	0.30	78.6
GS-07-006	7741183	Felsic tuff	Actlabs: 1H (Au+48)	28.5	32.3	5.55	4.8	12	440	4	-2	-0.5	0.40	5.5	103	-1	33	-1	4260	-99	-0.2	2.16	7	-1	-5	0.25	75.9
GS-07-014	7741186	Mafic dyke	Actlabs: 1H (Au+48)	24.7	0.4	4.26	5.8	-2	-50	10	-2	-0.5	6.85	0.7	21	34	55	4	13	-99	0.9	7.00	1	-1	-5	2.30	13.7
GS-07-015	7741187	Mafic dyke	Actlabs: 1H (Au+48)	31.3	0.6	5.80	7.1	-2	230	8	-2	-0.5	4.29	1.4	16	57	73	2	21	-99	1.6	9.68	2	-1	-5	2.32	12.7
GS-07-016	7741188	Mafic dyke	Actlabs: 1H (Au+48)	26.6	1.4	4.53	10.5	-2	7740	6	-2	-0.5	5.06	2.9	-3	33	67	-1	56	-99	1.1	8.31	2	-1	-5	0.83	59.3
GS-07-032	7741189	Felsic tuff	Actlabs: 1H (Au+48)	21.7	1.0	5.04	4.8	-2	-50	5	-2	-0.5	0.75	0.3	132	-1	34	-1	45	-99	1.3	1.94	10	-1	-5	3.40	86.1
GS-07-053	7741197	Chlorite breccia	Actlabs: 1H (Au+48)	25.4	-0.3	4.85	2.6	-2	180	1	-2	-0.5	0.30	-0.3	9	4	27	-1	6	-99	0.3	1.14	2	-1	-5	0.23	15.6
GS-07-057	7741199	Hematite breccia	Actlabs: 1H (Au+48)	22.2	1.1	5.94	-0.5	-2	-50	1	-2	-0.5	5.96	-0.3	-3	10	28	-1	12	-99	-0.2	2.38	2	-1	-5	0.08	33.0
GS-07-063	7741202	Granodiorite	Actlabs: 1H (Au+48)	27.8	-0.3	6.25	3.8	-2	200	1	-2	-0.5	1.31	0.3	20	14	23	2	2	-99	0.8	3.01	4	-1	-5	0.18	13.2
GS-07-065	7741203	Granodiorite	Actlabs: 1H (Au+48)	19.8	-0.3	6.82	-0.5	-2	-50	1	-2	-0.5	5.59	0.3	89	12	20	-1	4	-99	-0.2	4.01	4	-1	-5	0.11	50.8
GS-07-066	7741204	Granodiorite	Actlabs: 1H (Au+48)	20.4	4.5	8.34	-0.5	-2	-50	3	-2	-0.5	6.39	0.4	-3	11	66	-1	108	-99	-0.2	3.95	5	-1	-5	0.30	94.4
GS-07-070	7741205	Granodiorite	Actlabs: 1H (Au+48)	20.8	2.4	8.15	2.9	-2	-50	2	-2	-0.5	7.16	0.4	-3	10	37	-1	118	-99	-0.2	5.38	4	-1	-5	0.14	65.1
GS-07-079	7741207	Hematite breccia	Actlabs: 1H (Au+48)	19.1	-0.3	7.95	2.3	-2	360	3	-2	-0.5	0.93	-0.3	15	5	8	-1	8	-99	-0.2	1.37	2	-1	-5	1.14	8.9
GS-07-080	7741208	Chlorite breccia	Actlabs: 1H (Au+48)	21.6	0.6	6.08	2.6	-2	340	1	-2	-0.5	0.34	-0.3	21	-1	37	-1	4	-99	-0.2	0.90	4	-1	-5	0.20	7.8
GS-07-081	7741209	Hematite breccia	Actlabs: 1H (Au+48)	20.1	0.4	7.44	2.9	-2	270	1	-2	-0.5	1.43	-0.3	9	5	10	-1	10	-99	-0.2	1.58	5	-1	-5	0.22	5.8
GS-07-087	7741211	Hematite breccia	Actlabs: 1H (Au+48)	19.5	-0.3	3.82	1.9	-2	-50	1	-2	-0.5	4.53	-0.3	18	4	39	-1	12	-99	-0.2	1.29	3	-1	-5	0.19	16.3
GS-07-095	7741214	Hematite breccia	Actlabs: 1H (Au+48)	19.5	-0.3	3.99	4.0	-2	440	1	-2	-0.5	0.83	-0.3	17	2	13	-1	8	-99	-0.2	1.41	2	-1	-5	0.19	9.2
GS-07-096	7741215	Hematite breccia	Actlabs: 1H (Au+48)	18.3	1.8	2.61	6.2	-2	-50	2	-2	-0.5	4.21	0.6	-3	22	74	-1	59	-99	2.4	5.23	6	-1	-5	0.01	102
GS-07-100	7741216	Granodiorite	Actlabs: 1H (Au+48)	22.1	0.6	8.32	4.5	-2	290	1	-2	-0.5	1.43	-0.3	178	5	16	-1	29	-99	0.8	0.79	3	-1	-5	0.28	28.6
GS-07-114	7741219	Sandstone	Actlabs: 1H (Au+48)	19.5	6.8	7.13	37.1	-2	1200	1	-2	-0.5	1.81	0.9	70	3	42	2	271	-99	-0.2	1.33	7	-1	-5	4.93	42.8
GS-07-115	7741221	Felsic volcanic	Actlabs: 1H (Au+48)	18.2	1.2	7.74	5.1	-2	1240	3	-2	-0.5	0.54	0.3	-3	9	32	-1	3	-99	-0.2	2.90	5	-1	-5	2.66	36.1
GS-07-122	7741225	Intermed. intrusive	Actlabs: 1H (Au+48)	23.1	0.6	8.94	4.9	-2	740	3	-2	-0.5	2.55	0.5	39	10	56	3	3	-99	-0.2	4.08	3	-1	-5	0.98	26.0
GS-07-128	7741229	Conglomerate	Actlabs: 1H (Au+48)	17.1	0.9	6.15	512	-2	410	2	-2	-0.5	0.05	2.1	51	4	50	4	10	-99	-0.2	2.33	5	-1	-5	2.76	36.5
GS-07-130	7741232	Conglomerate	Actlabs: 1H (Au+48)	16.9	1.6	6.28	174	13	680	2	-2	-0.5	1.12	0.8	62	18	83	4	63	-99	1.0	2.09	5	-1	-5	2.47	50.7
GS-07-131	7741233	Conglomerate	Actlabs: 1H (Au+48)	17.4	0.4	5.93	70.0	-2	440	1	-2	-0.5	1.79	0.6	35	10	61	3	30	-99	0.7	2.32	3	-1	-5	2.08	22.1
GS-07-134	7741234	Argillite	Actlabs: 1H (Au+48)	23.4	1.2	4.57	225	-2	-50	2	-2	-0.5	7.03	1.7	58	41	108	3	187	-99	-0.2	9.88	4	-1	-5	1.28	48.7
GS-07-136	7741235	Felsic volcanic	Actlabs: 1H (Au+48)	1.52	23.2	5.81	13.4	722	1820	3	66	-0.5	0.57	-0.3	125	8	20	1	3610	-99	1.4	0.96	8	-1	-5	2.90	70.1
GS-07-138	7741236	Felsic volcanic	Actlabs: 1H (Au+48)	23.0	1.8	4.02	18.7	18	3230	-1	2	-0.5	3.01	0.4	44	18	52	-1	104	-99	0.8	1.37	4	-1	-5	1.63	29.8
GS-07-140	7741238	Granite	Actlabs: 1H (Au+48)	21.1	0.5	5.18	4.8	-2	350	6	-2	-0.5	0.16	-0.3	22	-1	39	6	3	-99	-0.2	1.06	6	-1	-5	5.05	13.9
GS-07-146	7741243	Pegmatite	Actlabs: 1H (Au+48)	26.3	-0.3	8.90	2.6	-2	260	1	-2	-0.5	1.42	0.7	15	60	103	22	-1	-99	0.6	8.08	3	-1	-5	5.78	5.8
GS-07-149	7741244	Pegmatite	Actlabs: 1H (Au+48)	23.3	1.0	9.26	3.2	-2	-50	2	-2	-0.5	2.23	-0.3	56	-1	9	-1	6	-99	-0.2	0.74	4	-1	-5	2.04	41.2
GS-07-152	7741246	Granite	Actlabs: 1H (Au+48)	35.1	5.0	3.57	4.1	-2	190	8	-2	-0.5	11.1	1.0	219	14	61	-1	12	-99	6.0	9.88	23	-1	-5	0.03	172
GS-07-153	7741247	Granite	Actlabs: 1H (Au+48)	24.4	5.6	8.44	-0.5	-2	-50	9	-2	-0.5	1.32	0.4	190	-1	31	-1	3	-99	12.1	3.75	80	-1	-5	0.10	136
GS-07-175	7741251	Pegmatite	Actlabs: 1H (Au+48)	18.5	2.7	9.62	-0.5	-2	12000	2	-2	-0.5	1.89	-0.3	-3	9	41	-1	96	-99	-0.2	0.94	2	-1	-5	0.08	73.0
GS-07-178	7741252	Pegmatite	Actlabs: 1H (Au+48)	21.7	2.7	4.95	5.8	-2	540	2	-2	-0.5	1.00	0.3	55	10	17	-1	297	-99	-0.2	3.01	4	-1	-5	0.18	40.8
GS-07-180	7741253	Pegmatite	Actlabs: 1H (Au+48)	21.5	2.6	4.68	3.6	65	2670	2	-2	-0.5	1.64	-0.3	-3	9	24	-1	313	-99	-0.2	2.03	-1	-1	-5	0.24	53.2
GS-07-183	7741254	Granodiorite	Actlabs: 1H (Au+48)	22.7	3.9	6.93	-0.5	-2	-50	2	-2	-0.5	4.76	-0.3	-3	10	25	-1	54	-99	-0.2	2.77	5	-1	-5	0.28	97.1
GS-07-194	7741256	Granodiorite	Actlabs: 1H (Au+48)	19.6	-0.3	7.86	-0.5	-2	-50	1	-2	-0.5	0.96	-0.3	61	7	33	-1	3	-99	-0.2	1.98	2	-1	-5	1.00	24.5
GS-07-196	7741257	Granodiorite	Actlabs: 1H (Au+48)	22.1	1.0	7.62	6.9	-2	710	5	-2	-0.5	3.51	0.6	-3	10	40	-1	48	-99	1.2	3.03	-1	-1	-5	0.26	98.0
GS-07-229	7741263	Intermed. volcanic	Actlabs: 1H (Au+48)	23.5	0.6	8.57	8.8	-2	720	7	-2	-0.5	0.95	0.3	76	13	29	-1	3	-99	2.9	4.40	6	-1	-5	0.12	45.6
GS-07-242	7741264	Felsic volcanic	Actlabs: 1H (Au+48)	22.1	0.8	8.38	4.5	-2	840	2	-2	-0.5	1.34	-0.3	143	-1	14	-1	28	-99	1.4	2.01	10	-1	-5	0.98	84.1
GS-07-257	7741267	Pegmatite	Actlabs: 1H (Au+48)	23.9	0.8	7.75	3.3	-2	-50	2	-2	-0.5	1.29	-0.3	-3	8	62	3	26	-99	-0.2	1.54	2	-1	-5	0.93	28.2
GS-07-259	7741268	Amphibolite	Actlabs: 1H (Au+48)	23.5	-0.3	8.16	-0.5	-2	-50	2	-2	-0.5	5.35	0.7	6	46	153	3	229	-99	0.5	7.30	-1	-1	-5	0.80	3.1
GS-07-260	7741269	Pegmatite	Actlabs: 1H (Au+48)	26.4	-0.3	10.9	-0.5	7	280	2	-2	-0.5	3.34	0.3	110	14	48	5	5	-99	0.7	2.88	5	-1	-5	1.43	58.1
GS-07-268	7741273	Conglomerate	Actlabs: 1H (Au+48)	21.1	-0.3	4.86	2.0	-2	390	1	-2	-0.5	0.12	-0.3	18	5	42	6	3	-99	0.4	2.37	10	-1	-5	3.00	12.6
GS-07-269	7741274	Conglomerate	Actlabs: 1H (Au+48)	25.4	0.5	3.86	1.9	-2	340	1	-2	-0.5	0.35	-0.3	68	4	85	4	1	-99	1.0	2.05	14	-1	5	1.46	40.4
GS-07-270	7741275	Conglomerate	Actlabs: 1H (Au+48)	20.4	-0.3	2.11	2.1	-2	180	-1	-2	-0.5	0.47	-0.3	63	5	55	4	6	-99	0.5	3.16	8	-1	-5	1.24	25.9
GS-07-271	7741276	Vein	Actlabs: 1H (Au+48)	18.9	0.7	4.87	5.2	-2	1350	2	-2	-0.5	1.15	-0.3	30	2	66	-1	11	-99	-0.2	0.85	5	-1	-5	2.94	13.3
GS-07-273	7741278	Fe-formation	Actlabs: 1H (Au+48)	26.2	3.9	0.29	216	-2	-50	1	-2	-0.5	0.50	1.8	-3	4	159	-1	95	-99	-0.2	14.9	-1	-1	-5	0.03	17.4
GS-08-005	7741294	Fe-carb./hem. alt.	Actlabs: 1H (Au+48)	1.72	2.3	2.25	14.4	-2	-99	2	-2	-1.0	14.2	0.5	-99	59	681	-1	12	-99	4.2	9.01	6	-3	-5	0.12	-99
GS-08-028	7741302	Argillite	Actlabs: 1H (Au+48)	1.61	0.6	6.33	64.8	-2	336	3	-2	-0.5	1.00	0.8	68	47	113	2	246	-99	1.4	10.7	4	-1	-5	1.56	33.2
GS-08-038	7741306	Argillite	Actlabs: 1H (Au+48)	1.72	0.3	5.94	68.3	25	-50	2	-2	-0.5	1.45	0.4	52	38	103	-1	132	-99	1.1	8.68	4	-1	-5	0.71	22.6
GS-08-039	7741307	Argillite	Actlabs: 1H (Au+48)	1.50	1.0	5.90	745	-2	-50	3	-2	-0.5	1.08	0.5	50	62	236	6	259	-99	1.1	11.6	4	-1	-5	2.02	23.3
GS-08-040	7741308	Argillite	Actlabs: 1H (Au+48)	1.31	0.5	7.07	288	-2	-50	1	-2	-0.5	1.16	0.3	59	50	80	-1	281	-99	1.6	7.39	6	-1	-5	1.35	28.4

Open File LAB/1692 - Appendix E1: Raw Data and Detection Limits - Actlabs: 1H (Au + 48)

SampleNum	LabNum	Rock Type	Analysis	ActlabWt	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Cu	Eu	Fe	Hf	Hg	Ir	K	La
Unit				grams	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	wt.%	ppm	ppm	ppb	wt.%	ppm
Upper Detection Limit																			10000								
Lower Detection Limit					0.3	0.01	0.5	2	50	1	2	0.5 to 1.2	0.01	0.3	3	1	2	1	1	0.001	0.2	0.01	1	1 to 6	5	0.01	0.5
Analysis Method					TD-ICP	TD-ICP	INAA	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA
GS-08-042	7741309	Basalt	Actlabs: 1H (Au+48)	1.79	0.4	5.49	221	-2	-50	1	-2	-0.5	6.44	0.5	24	52	71	2	117	-99	1.3	11.0	2	-1	-5	0.69	8.8
GS-08-047	7741311	Argillite	Actlabs: 1H (Au+48)	1.67	0.8	6.70	423	-2	-50	2	-2	-0.5	1.33	0.4	40	96	80	2	629	-99	1.1	10.6	5	-1	-5	0.65	17.0
GS-08-048	7741312	Argillite	Actlabs: 1H (Au+48)	1.54	0.7	3.23	99.8	-2	-50	2	-2	-0.5	1.23	0.4	118	30	85	-1	518	-99	2.0	7.21	6	-1	-5	0.64	55.1
GS-08-049	7741313	Argillite	Actlabs: 1H (Au+48)	1.77	0.7	3.45	95.5	-2	-50	2	-2	-0.5	0.51	0.3	37	70	94	-1	389	-99	1.2	6.13	5	-1	-5	0.17	14.5
GS-08-054	7741314	Breccia	Actlabs: 1H (Au+48)	1.64	-0.3	3.57	3.4	11	-50	1	-2	-0.5	8.08	-0.3	6	36	157	-1	44	-99	-0.2	5.82	1	-1	-5	0.08	2.0
GS-08-055	7741315	Basalt	Actlabs: 1H (Au+48)	1.77	-0.3	5.83	-0.5	185	192	1	-2	-0.5	6.03	0.3	7	46	185	-1	192	-99	0.7	7.64	1	-1	-5	0.55	2.5
GS-08-057	7741316	Breccia	Actlabs: 1H (Au+48)	1.68	1.8	4.54	3.4	-2	-50	1	-2	-0.5	10.3	0.5	8	46	61	-1	192	-99	0.4	6.68	1	-1	-5	0.04	1.8
GS-08-073	7741326	Chert	Actlabs: 1H (Au+48)	1.51	0.6	0.26	3.8	8	312	-1	-2	1.8	4.91	-0.3	11	10	11	-1	138	-99	-0.2	3.41	-1	-1	-5	0.03	3.4
GS-08-103	7741327	Argillite	Actlabs: 1H (Au+48)	1.57	2.2	7.82	54.5	31	264	2	-2	-0.5	0.54	0.8	58	36	281	2	212	-99	1.2	7.96	5	-1	-5	1.99	29.0
GS-08-107	7741328	Sandstone	Actlabs: 1H (Au+48)	1.58	-0.3	5.92	4.0	-2	480	2	-2	-0.5	3.06	-0.3	82	5	32	4	2	-99	1.1	1.73	10	-1	-5	1.35	39.5
GS-08-131	7741332	Argillite	Actlabs: 1H (Au+48)	1.77	1.6	1.51	9.6	13	312	1	-2	-0.5	0.13	-0.3	35	480	25	-1	802	-99	1.7	15.1	4	-1	-5	0.04	16.7
GS-08-132	7741333	Fe-formation	Actlabs: 1H (Au+48)	2.02	2.1	1.14	81.4	12	264	1	-2	-0.5	1.17	8.0	82	76	48	-1	72	-99	-0.2	25.2	-1	-1	-5	0.02	32.5
GS-08-133	7741334	Fe-formation	Actlabs: 1H (Au+48)	2.02	1.3	0.57	112	10	-50	1	-2	-0.5	1.41	4.0	103	66	47	-1	11	-99	-0.2	19.6	-1	-1	-5	0.02	34.0
GS-08-144	7741339	Argillite	Actlabs: 1H (Au+48)	1.65	1.6	5.83	208	34	-50	3	-2	-0.5	2.50	13.1	26	52	150	-1	350	-99	1.0	12.6	4	-1	-5	2.00	12.7
GS-08-145	7741341	Sandstone	Actlabs: 1H (Au+48)	1.57	0.4	4.56	4.8	-2	288	2	-2	-0.5	0.45	-0.3	65	2	32	4	3	-99	1.1	1.46	6	-1	-5	1.67	32.3
GS-08-146	7741342	Sandstone	Actlabs: 1H (Au+48)	1.52	0.4	5.61	21.4	-2	336	2	-2	1.0	1.78	-0.3	56	5	29	2	2	-99	1.1	2.00	7	-1	-5	1.86	33.6
GS-08-151	7741344	Breccia	Actlabs: 1H (Au+48)	1.89	1.8	2.94	3.2	19	-50	1	-2	1.7	10.5	-0.3	16	44	152	-1	776	-99	1.3	6.48	2	-1	-5	0.16	6.7
GS-08-158	7741348	Argillite	Actlabs: 1H (Au+48)	1.65	1.9	5.15	234	66	264	1	-2	5.3	3.03	1.3	67	44	323	-1	333	-99	2.2	11.2	6	-1	-5	0.52	31.7
GS-08-161	7741349	Siltstone	Actlabs: 1H (Au+48)	2.01	-0.3	3.31	5.6	-2	156	1	-2	-0.5	13.3	-0.3	43	7	34	-1	13	-99	0.5	1.62	2	-1	-5	0.12	21.4
GS-08-221	7741364	Intermed. volcanic	Actlabs: 1H (Au+48)	1.77	2.0	6.71	8.8	-2	-99	6	-2	-0.9	6.97	0.8	-99	26	73	-1	87	-99	4.5	6.01	12	-1	-5	0.10	-99
GS-08-222	7741365	Intermed. volcanic	Actlabs: 1H (Au+48)	1.67	4.9	7.35	15.6	-2	-99	6	-2	-1.2	4.75	0.3	-99	22	126	-1	27	-99	-0.2	5.56	11	-6	-5	0.23	-99
GS-08-249	7741378	Felsic volcanic	Actlabs: 1H (Au+48)	1.59	2.2	7.26	52.4	38	660	4	-2	-0.5	1.58	0.8	102	20	17	-1	3550	-99	1.6	7.04	11	-1	-5	0.95	40.6
GS-08-264	7741389	Chert	Actlabs: 1H (Au+48)	1.80	-0.3	0.15	6.0	36	-50	1	-2	-0.5	0.18	0.5	5	1	31	2	15	-99	-0.2	14.5	-1	-1	-5	0.02	0.8
GS-08-266	7741392	Argillite	Actlabs: 1H (Au+48)	1.64	1.7	6.04	64.0	43	696	2	-2	-0.5	2.85	-0.3	106	11	25	4	89	-99	1.6	9.35	6	-1	-5	1.92	41.8
GS-08-267	7741393	Argillite	Actlabs: 1H (Au+48)	1.87	1.1	3.81	614	35	528	1	-2	-0.5	5.60	-0.3	98	48	101	2	187	-99	1.7	9.88	4	-1	-5	0.83	52.3
GS-08-268	7741394	Argillite	Actlabs: 1H (Au+48)	1.48	2.0	8.10	133	52	3360	3	-2	-0.5	2.89	0.5	82	18	109	-1	233	-99	-0.2	4.82	11	-1	-5	1.44	44.9
GS-08-275	7741402	Felsic volcanic	Actlabs: 1H (Au+48)	1.49	5.3	5.91	32.6	48	1920	4	-2	-0.5	1.29	32.5	221	-1	24	-1	15	-99	-0.2	2.96	13	-1	-5	3.00	121
GS-08-276	7741403	Felsic volcanic	Actlabs: 1H (Au+48)	1.71	5.5	6.25	48.2	59	2160	3	-2	-0.5	2.03	29.7	172	7	34	-1	17	-99	-0.2	2.77	13	-1	-5	2.39	85.9
GS-08-277	7741404	Felsic volcanic	Actlabs: 1H (Au+48)	1.45	3.7	5.66	39.4	26	2600	3	-2	-0.5	0.53	14.5	203	10	13	-1	15	-99	3.8	4.37	16	-1	-5	3.19	96.1
GS-08-278	7741405	Felsic volcanic	Actlabs: 1H (Au+48)	1.61	3.3	5.67	39.1	31	1240	2	-2	-0.5	0.82	16.1	152	4	-2	-1	23	-99	3.9	3.79	12	-1	-5	0.29	79.8
GS-08-290	7741413	Quartzite	Actlabs: 1H (Au+48)	2.13	3.7	0.63	13.7	33	-50	1	-2	-0.5	0.52	43.7	8	78	29	-1	929	-99	-0.3	21.1	-1	-1	-5	0.06	2.5
GS-08-291	7741414	Fe-formation	Actlabs: 1H (Au+48)	2.16	1.2	3.69	33.5	34	2340	4	-2	-0.5	7.99	1.8	87	9	38	1	134	-99	-0.3	17.3	3	-1	-5	0.61	33.2
GS-08-292	7741415	Felsic volcanic	Actlabs: 1H (Au+48)	1.60	4.4	3.55	19.7	-2	-99	2	-2	-0.9	1.62	1.6	-99	9	62	-1	394	-99	-0.2	5.18	31	-1	-5	1.84	-99
GS-08-301	7741421	Breccia	Actlabs: 1H (Au+48)	1.63	0.8	4.79	8.5	35	273	1	-2	-0.5	6.37	0.6	12	36	166	-1	305	-99	0.9	6.13	1	-1	-5	0.03	4.2
GS-09-115	7741456	Chert	Actlabs: 1H (Au+48)	33.3	-0.3	0.56	1.6	6	-50	-1	-2	-0.5	17.4	0.4	11	7	23	-1	54	-99	1.5	3.51	-1	-1	-5	0.07	6.7
GS-09-142	7741469	Conglomerate	Actlabs: 1H (Au+48)	33.1	0.8	4.76	82.1	12	400	1	-2	-0.5	6.73	-0.3	60	5	12	2	1670	-99	0.7	1.42	5	-1	-5	1.91	25.2
GS-09-163	7741477	Argillite	Actlabs: 1H (Au+48)	29.1	2.0	7.73	86.3	24	620	1	-2	-0.5	4.33	-0.3	41	13	95	3	62	-99	0.8	3.45	4	-1	-5	3.17	21.1
GS-09-166	7741478	Argillite	Actlabs: 1H (Au+48)	30.3	2.0	3.74	32.9	37	-50	1	-2	2.9	5.56	8.8	31	39	232	-1	502	-99	1.2	11.0	2	-1	-5	0.39	11.9
GS-09-169	7741479	Sandstone	Actlabs: 1H (Au+48)	32.1	0.7	8.19	3.5	-2	770	3	-2	-0.5	2.33	-0.3	84	8	25	-1	1	-99	1.6	3.32	9	-1	-5	1.87	40.4
GS-09-173	7741482	Siltstone	Actlabs: 1H (Au+48)	33.0	-0.3	5.17	3.2	-2	410	-1	-2	-0.5	9.13	0.4	11	25	132	-1	190	-99	-0.2	4.09	-1	-1	-5	0.23	3.8
GS-09-220	7741502	Granite	Actlabs: 1H (Au+48)	36.0	26.7	3.95	13.4	311	-50	3	7	-0.5	11.5	12.8	80	40	215	-1	-10000	1.230	1.3	5.60	-1	-1	-5	0.93	43.7

Open File LAB/1692 - Appendix E1: Raw Data and Detection Limits - Actlabs: 1H (Au + 48)

SampleNum	LabNum	Lu	Mg	Mn	Mo	Na	Nd	Ni	P	Pb	Rb	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Ti	Th	U	V	W	Y	Yb	Zn
Unit		ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit					10000																							
Lower Detection Limit		0.05, 0.06	0.01	1	1	0.01	5 to 7	1	0.001	3	15	0.01	0.1	0.1	3, 6	0.1	0.01	1	0.5, 1.1	0.4 to 0.7	0.01	0.2	0.5, 0.7	2	1	1	0.2	1
Analysis Method		INAA	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	TD-ICP
GS-07-002	7741178	1.46	0.14	759	20	3.44	40	6	0.010	30	74	0.54	-0.1	1.3	-3	10.4	-0.01	41	-0.5	1.6	0.14	11.6	46.0	32	-1	68	8.2	663
GS-07-003	7741179	1.37	0.18	756	375	3.63	43	4	0.012	49	-15	1.45	0.2	1.4	-3	8.9	-0.01	56	-0.5	1.1	0.16	11.6	117	80	-1	92	7.2	1850
GS-07-005	7741182	0.92	0.07	700	6	4.39	40	4	0.011	593	-15	0.25	0.2	1.0	85	9.1	-0.01	49	-0.5	1.2	0.15	9.8	20.7	666	-1	58	5.3	497
GS-07-006	7741183	1.05	0.11	737	4	3.89	31	3	0.012	4560	-15	0.81	0.4	1.1	645	4.7	-0.01	55	-0.5	1.2	0.15	7.6	234	864	-1	72	5.4	1990
GS-07-014	7741186	0.50	3.23	2320	1	2.82	6	56	0.068	110	116	0.02	0.7	26.2	-3	2.4	-0.01	313	-0.5	-0.5	0.60	0.9	18.8	153	-1	26	2.9	467
GS-07-015	7741187	0.48	1.64	1800	1	2.76	7	84	0.091	205	110	0.11	-0.1	30.3	-3	-0.1	-0.01	580	-0.5	0.6	0.77	0.9	108	225	4	25	2.6	950
GS-07-016	7741188	-0.05	1.60	2820	1	3.67	-5	54	0.077	682	-15	0.18	-0.1	20.3	-3	-0.1	-0.01	291	-0.5	1.8	0.58	1.8	1530	179	-1	56	3.6	2350
GS-07-032	7741189	1.20	0.09	768	4	2.90	48	7	0.006	34	30	0.06	0.4	1.4	-3	10.6	-0.01	59	1.3	1.4	0.15	12.6	17.4	9	-1	72	7.6	137
GS-07-053	7741197	-0.05	0.78	169	2	5.21	6	9	0.018	9	-15	-0.01	-0.1	2.4	-3	0.5	-0.01	106	-0.5	-0.5	0.12	3.3	15.4	25	-1	2	0.4	41
GS-07-057	7741199	-0.05	1.88	749	1	5.33	-5	23	0.012	56	-15	-0.01	-0.1	4.7	-3	-0.1	-0.01	93	-0.5	-0.5	0.11	3.1	601	46	-1	5	-0.2	72
GS-07-063	7741202	0.12	1.97	554	2	4.80	7	23	0.104	4	-15	0.10	-0.1	9.3	-3	2.1	0.03	156	1.6	-0.5	0.41	-0.2	11.4	76	-1	7	0.6	148
GS-07-065	7741203	-0.05	1.13	613	1	5.91	-5	21	0.087	96	-15	0.01	-0.1	8.1	-3	-0.1	-0.01	225	-0.5	-0.5	0.31	5.3	323	113	-1	9	0.6	73
GS-07-066	7741204	-0.05	0.95	622	3	5.47	-5	16	0.088	532	-15	0.03	-0.1	9.0	-3	-0.1	-0.01	290	-0.5	-0.5	0.37	-0.2	2890	333	-1	17	1.2	63
GS-07-070	7741205	-0.05	1.28	624	6	4.56	-5	15	0.084	297	-15	0.02	-0.1	8.5	-3	-0.1	-0.01	185	2.3	0.7	0.33	2.2	1600	207	9	29	1.2	72
GS-07-079	7741207	-0.05	1.77	318	-1	3.98	-5	4	0.007	6	-15	-0.01	0.2	1.2	-3	0.4	-0.01	191	-0.5	-0.5	0.06	1.3	28.6	15	-1	6	-0.2	77
GS-07-080	7741208	0.11	0.55	111	4	5.45	-5	3	0.024	5	-15	-0.01	0.1	1.6	-3	0.6	-0.01	146	-0.5	-0.5	0.09	3.5	23.2	11	-1	5	0.6	32
GS-07-081	7741209	-0.05	1.25	282	-1	5.69	-5	5	0.012	9	-15	-0.01	-0.1	2.3	-3	0.3	-0.01	80	-0.5	-0.5	0.14	1.2	17.1	20	-1	3	0.4	54
GS-07-087	7741211	-0.05	1.12	501	1	5.26	-5	8	0.025	35	-15	0.01	-0.1	3.3	-3	-0.1	-0.01	90	-0.5	-0.5	0.14	4.2	255	37	-1	5	0.5	49
GS-07-095	7741214	-0.05	0.46	176	2	5.34	-5	6	0.004	9	47	-0.01	-0.1	2.2	-3	-0.1	-0.01	97	-0.5	-0.5	0.07	1.3	71.2	20	-1	2	0.6	23
GS-07-096	7741215	-0.05	3.51	1920	1	3.52	-5	36	0.078	255	-15	-0.01	-0.1	17.3	-3	-0.1	-0.01	80	2.0	-0.5	0.80	8.2	2740	114	-1	12	1.3	186
GS-07-100	7741216	-0.05	0.50	306	-1	6.37	-5	4	0.023	30	-15	0.01	-0.1	2.0	-3	-0.1	-0.01	83	-0.5	-0.5	0.10	7.4	459	19	-1	7	0.5	24
GS-07-114	7741219	-0.05	0.15	762	1	2.73	-5	12	0.012	573	78	0.01	6.1	3.8	-3	-0.1	-0.01	133	-0.5	-0.5	0.11	14.9	315	41	-1	28	3.1	147
GS-07-115	7741221	-0.05	0.59	590	-1	4.33	-5	11	0.037	401	37	-0.01	1.9	7.3	-3	-0.1	-0.01	85	-0.5	-0.5	0.15	9.7	1290	94	-1	24	1.1	73
GS-07-122	7741225	-0.05	1.40	771	2	5.88	-5	16	0.062	74	-15	-0.01	1.5	15.2	-3	-0.1	-0.01	158	1.5	-0.5	0.32	5.5	149	190	-1	20	1.3	64
GS-07-128	7741229	0.29	0.20	58	40	0.28	-5	12	0.027	425	76	1.33	5.4	6.6	-3	-0.1	-0.01	76	-0.5	-0.5	0.20	11.6	154	186	-1	16	1.2	66
GS-07-130	7741232	-0.05	0.72	824	305	0.30	-5	25	0.047	170	64	0.61	4.8	8.4	-3	-0.1	-0.01	102	-0.5	0.9	0.27	14.2	515	74	5	37	2.4	53
GS-07-131	7741233	0.22	1.06	1760	8	0.29	11	30	0.029	16	56	0.36	1.9	10.1	-3	1.8	-0.01	99	0.7	-0.5	0.20	8.3	29.9	72	-1	17	1.5	41
GS-07-134	7741234	-0.05	2.16	1620	1540	1.26	-5	49	0.023	240	51	1.51	2.2	24.0	-3	-0.1	-0.01	165	-0.5	0.6	0.64	7.4	723	319	-1	22	1.9	216
GS-07-136	7741235	0.61	0.05	151	43	3.22	62	3	0.011	14	111	0.21	0.8	3.6	13	7.5	-0.01	79	-0.5	1.4	0.14	15.0	18.9	9	-1	25	3.8	15
GS-07-138	7741236	0.52	0.05	674	15	0.26	14	12	0.016	158	118	0.06	0.7	3.3	-3	2.7	-0.01	101	-0.5	-0.5	0.32	7.7	79.9	49	-1	45	3.6	10
GS-07-140	7741238	0.44	0.08	378	4	2.10	-5	3	0.014	39	297	-0.01	0.3	2.4	-3	0.6	-0.01	51	-0.5	-0.5	0.06	79.3	16.2	8	-1	11	2.1	23
GS-07-146	7741243	0.55	7.88	1420	-1	1.28	8	73	0.048	5	403	0.07	0.3	42.4	-3	1.9	-0.01	33	-0.5	-0.5	0.68	1.0	12.5	324	-1	31	2.9	171
GS-07-149	7741244	-0.05	0.12	144	2	3.74	-5	3	0.008	149	86	-0.01	-0.1	1.5	-3	-0.1	-0.01	193	-0.5	-0.5	0.04	188	525	7	-1	8	0.8	20
GS-07-152	7741246	0.65	0.59	2230	3	1.80	49	10	0.025	985	-15	0.04	1.1	7.5	-3	-0.1	-0.01	1530	-0.5	1.0	0.26	12.0	400	61	-1	45	4.8	62
GS-07-153	7741247	-0.05	0.12	732	-1	5.98	-5	5	0.038	267	-15	-0.01	1.2	6.1	-3	-0.1	-0.01	67	-0.5	3.5	0.27	17.2	1560	16	-1	200	10.0	30
GS-07-175	7741251	-0.05	0.04	303	3	7.66	-5	4	0.003	880	-15	0.02	-0.1	1.9	-3	-0.1	-0.01	125	-0.5	-0.5	0.04	6.4	2250	43	-1	8	0.7	3
GS-07-178	7741252	-0.05	1.53	473	6	6.05	-5	13	0.098	139	-15	0.03	-0.1	7.3	-3	-0.1	-0.01	125	5.1	-0.5	0.40	4.3	670	250	-1	8	1.0	88
GS-07-180	7741253	-0.05	1.25	468	21	5.76	-5	10	0.002	561	-15	0.10	-0.1	2.7	-3	-0.1	-0.01	204	2.5	-0.5	0.02	4.9	1510	263	-1	3	0.5	71
GS-07-183	7741254	-0.05	1.53	651	1	5.19	-5	11	0.064	92	-15	0.01	-0.1	6.3	-3	-0.1	-0.01	135	2.1	-0.5	0.23	3.0	1550	185	-1	14	0.7	69
GS-07-194	7741256	-0.05	1.26	307	2	3.88	-5	8	0.045	12	33	-0.01	-0.1	1.8	-3	1.4	-0.01	132	-0.5	-0.5	0.20	5.3	10.4	40	-1	5	-0.2	61
GS-07-196	7741257	-0.05	1.43	1100	1	4.52	-5	21	0.063	92	-15	0.02	0.3	5.2	-3	-0.1	-0.01	314	-0.5	-0.5	0.50	3.5	2120	144	-1	34	1.1	188
GS-07-229	7741263	-0.05	0.29	424	-1	5.67	-5	3	0.023	90	60	0.06	1.0	13.7	-3	-0.1	-0.01	71	-0.5	-0.5	0.16	10.7	207	76	-1	52	2.5	54
GS-07-242	7741264	-0.05	0.88	267	4	6.12	18	22	0.007	221	-15	0.10	-0.1	5.6	-3	-0.1	-0.01	100	-0.5	1.9	0.08	16.4	308	29	-1	12	4.9	38
GS-07-257	7741267	-0.05	0.84	249	4	3.70	-5	23	0.007	213	47	0.10	0.2	3.9	-3	-0.1	-0.01	97	1.6	-0.5	0.08	40.3	611	27	-1	12	0.8	36
GS-07-259	7741268	0.26	6.13	1320	5	2.10	-5	144	0.014	11	-15	0.44	-0.1	41.9	-3	0.8	-0.01	97	0.6	-0.5	0.31	0.7	12.8	260	-1	26	2.5	68
GS-07-260	7741269	0.15	3.44	488	2	3.90	30	40	0.033	23	88	-0.01	-0.1	7.6	-3	6.2	-0.01	255	-0.5	-0.5	0.17	26.8	32.8	65	-1	15	0.8	50
GS-07-268	7741273	0.28	0.20	91	-1	0.50	-5	11	0.010	10	106	-0.01	0.2	3.6	-3	0.9	-0.01	44	1.7	-0.5	0.17	29.5	13.1	31	-1	13	2.1	14
GS-07-269	7741274	0.25	0.32	110	2	1.45	19	8	0.015	6	68	-0.01	-0.1	4.8	-3	3.5	-0.01	31	1.7	-0.5	0.46	35.3	17.5	91	-1	22	2.1	11
GS-07-270	7741275	0.14	0.26	120	-1	0.38	11	17	0.006	5	68	-0.01	-0.1	3.5	-3	2.0	-0.01	19	1.4	-0.5	0.18	23.9	9.0	27	-1	10	1.0	9
GS-07-271	7741276	0.60	0.04	160	5	1.13	-5	4	0.002	117	42	-0.01	0.2	1.4	-3	-0.1	-0.01	263	-0.5	-0.5	0.03	195	241	13	-1	30	3.4	6
GS-07-273	7741278	-0.05	0.09	256	43	0.05	-5	13	0.002	524	-15	0.04	7.7	1.1	19	-0.1	-0.01	29	-0.5	-0.5	0.11	1.6	558	710	11	5	0.4	16
GS-08-005	7741294	-99	4.86	1920	-1	1.10	-99	158	0.107	604	-15	0.06	2.7	23.9	-3	-99	-0.01	283	-0.5	-0.4	0.35	3.7	2720	112	18	33	2.1	150
GS-08-028	7741302	0.24	1.65	801	25	2.44	35	80	0.019	17	50	2.81	-0.1	25.4	-3	5.4	-0.01	39	-0.5	-0.6	0.69	6.0	23.5	318	-1	18	2.2	108
GS-08-038	7741306	0.16	2.17	992	52	1.70	22	53	0.024	12	-15	0.82	0.6	22.8	-3	3.7	-0.01	61	-0.5	-0.6	0.61	4.9	6.9	195	-1	15	1.7	73
GS-08-039	7741307	0.32	2.66	2260	41	1.00	29	109	0.031	28	103	3.33	1.2	23.3	-3	4.2	-0.01	47	-0.5	-0.6	0.52	5.9	6.7	320	-1	20	2.3	225
GS-08-040	7741308	0.34	1.26	689	22	4.16	26	63	0.032	58	-15	1.75	0.2	27.2	-3	5.3	-0.01	78	-0.5	-0.6	0.87	8.8	5.9	272	-1	19	2.5	94

Open File LAB/1692 - Appendix E1: Raw Data and Detection Limits - Actlabs: 1H (Au + 48)

SampleNum	LabNum	Lu	Mg	Mn	Mo	Na	Nd	Ni	P	Pb	Rb	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Ti	Th	U	V	W	Y	Yb	Zn
Unit		ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit					10000																							
Lower Detection Limit		0.05, 0.06	0.01	1	1	0.01	5 to 7	1	0.001	3	15	0.01	0.1	0.1	3, 6	0.1	0.01	1	0.5, 1.1	0.4 to 0.7	0.01	0.2	0.5, 0.7	2	1	1	0.2	1
Analysis Method		INAA	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	TD-ICP
GS-08-042	7741309	0.10	3.12	1730	20	1.78	12	54	0.039	22	50	0.13	0.6	40.4	-3	2.9	-0.01	138	0.8	-0.6	0.73	1.8	-0.7	341	-1	15	2.3	133
GS-08-047	7741311	0.29	1.35	511	11	4.32	23	100	0.038	6	-15	4.59	2.8	28.1	-3	4.4	-0.01	106	-0.5	1.7	0.54	6.7	3.5	271	8	17	2.0	48
GS-08-048	7741312	0.37	0.98	415	20	4.21	54	57	0.031	7	-15	3.20	0.6	28.0	-3	9.2	-0.01	76	-0.5	1.6	0.87	6.7	9.1	300	-1	14	3.5	47
GS-08-049	7741313	0.22	0.89	303	23	6.14	10	94	0.022	4	-15	2.71	0.5	28.3	-3	3.2	-0.01	26	2.2	-0.6	0.88	8.3	4.5	286	-1	4	2.0	44
GS-08-054	7741314	-0.06	2.70	978	-1	4.36	-6	68	0.021	5	-15	0.01	1.6	34.4	-3	1.8	-0.01	217	-0.5	-0.6	0.36	-0.2	14.4	414	-1	8	1.6	68
GS-08-055	7741315	0.13	3.79	1020	-1	1.96	8	88	0.022	-3	-15	0.07	1.0	42.0	-3	1.4	-0.01	137	-0.5	-0.6	0.44	0.6	-0.7	269	-1	8	2.0	77
GS-08-057	7741316	-0.06	4.75	1450	-1	3.52	-6	74	0.017	9	-15	0.02	1.9	30.5	-3	1.3	-0.01	242	-0.5	-0.6	0.26	-0.2	4.0	1160	-1	11	1.7	141
GS-08-073	7741326	-0.06	1.67	711	1	0.11	11	12	0.017	6	-15	0.03	0.6	4.3	-3	1.7	-0.01	85	-0.5	-0.6	0.01	0.3	67.3	510	4	4	-0.2	45
GS-08-103	7741327	0.25	1.08	169	7	1.99	26	172	0.038	294	76	5.93	6.0	21.6	-3	3.8	-0.01	53	-0.5	-0.6	0.60	7.6	7.7	323	7	17	1.8	127
GS-08-107	7741328	0.41	0.53	393	-1	0.08	32	12	0.021	10	95	0.01	1.8	6.4	-3	3.7	-0.01	58	-0.5	-0.6	0.21	10.6	8.5	34	-1	24	3.2	44
GS-08-131	7741332	0.22	0.82	430	8	0.01	8	25	0.050	67	-15	12.5	11.2	4.9	56	4.1	-0.01	10	1.8	-0.6	0.25	1.8	40.7	2340	-1	11	1.4	43
GS-08-132	7741333	-99	0.44	6390	3	-0.01	96	441	0.203	121	-15	0.12	1.9	6.2	-3	13.9	-0.01	44	-0.5	-0.6	0.05	1.3	629	1440	-1	32	2.2	1340
GS-08-133	7741334	-99	0.59	5300	4	-0.01	134	912	0.406	238	-15	0.18	2.2	1.0	-3	18.2	-0.01	43	-0.5	-0.6	0.02	-0.2	910	529	-1	3	-0.2	2270
GS-08-144	7741339	0.31	1.48	655	42	0.04	17	293	0.054	107	52	9.48	14.2	32.4	44	4.0	-0.01	22	-0.5	0.7	0.70	1.7	33.7	702	-1	23	2.5	1100
GS-08-145	7741341	0.26	0.35	106	1	1.14	25	10	0.027	-3	90	0.08	1.4	3.6	-3	3.0	-0.01	30	-0.5	-0.6	0.17	8.5	5.3	24	-1	10	2.2	28
GS-08-146	7741342	0.46	0.34	234	1	0.10	25	10	0.022	-3	103	0.10	2.0	5.6	-3	3.7	-0.01	22	1.0	0.8	0.17	12.0	8.7	33	-1	27	3.2	35
GS-08-151	7741344	0.07	4.29	1950	-1	1.33	19	110	0.098	7	-15	0.15	1.2	20.0	-3	2.8	-0.01	155	-0.5	-0.6	0.35	0.7	28.2	749	-1	20	2.0	146
GS-08-158	7741348	0.25	3.13	701	23	1.92	49	402	0.079	20	-15	7.20	9.4	20.3	5	6.4	-0.01	129	-0.5	-0.6	1.17	4.3	11.1	386	10	28	2.8	216
GS-08-161	7741349	-0.06	6.80	371	-1	2.57	18	14	0.019	-3	-15	0.07	0.5	5.8	-3	2.3	-0.01	151	1.6	-0.6	0.16	6.1	3.8	83	-1	8	0.8	39
GS-08-221	7741364	-99	2.30	1290	-1	6.13	-99	25	0.093	498	-15	0.08	1.1	22.9	-3	-99	-0.01	368	3.9	1.5	0.52	8.8	1660	222	-1	35	3.2	150
GS-08-222	7741365	-99	1.42	1150	-1	5.57	-99	24	0.150	949	-15	0.05	-0.1	21.0	-6	-99	-0.01	336	-1.1	-0.4	0.57	8.9	3770	242	-1	38	2.9	164
GS-08-249	7741378	0.74	0.35	526	5	5.28	74	7	0.090	25	-15	3.25	-0.1	7.3	-3	10.3	-0.01	131	-0.5	2.2	0.42	11.5	14.7	43	9	79	7.0	83
GS-08-264	7741389	-0.06	0.09	188	3	0.02	-6	5	0.020	10	-15	0.02	0.4	0.4	-3	0.2	-0.01	2	-0.5	-0.6	-0.01	-0.2	5.7	174	-1	1	-0.2	7
GS-08-266	7741392	-99	1.87	1430	4	1.39	62	5	0.109	343	38	0.68	1.2	34.8	-3	11.5	-0.01	166	-0.5	-0.6	0.54	6.6	437	150	-1	23	2.9	129
GS-08-267	7741393	-99	2.28	1490	215	0.79	109	58	0.051	407	-15	0.45	1.0	21.2	-3	24.6	-0.01	127	-0.5	-0.6	0.68	4.1	942	283	14	14	2.3	164
GS-08-268	7741394	-99	1.00	555	3240	3.98	103	29	0.033	535	65	1.45	2.4	29.6	-3	19.8	-0.01	135	2.6	-0.6	0.99	7.6	744	490	29	13	1.4	127
GS-08-275	7741402	-99	0.20	2030	1310	2.74	125	5	0.015	949	100	1.35	5.5	6.8	-3	26.9	-0.01	137	-0.5	2.3	0.22	9.9	497	5	-1	84	7.8	6140
GS-08-276	7741403	-99	0.21	1920	4310	3.80	137	13	0.023	1690	71	1.65	7.6	12.7	-3	32.0	0.07	114	-0.5	2.0	0.29	7.4	944	4	-1	87	8.2	5380
GS-08-277	7741404	1.46	0.09	1050	229	3.50	95	6	0.019	816	121	1.42	2.0	11.3	-3	15.1	-0.01	107	1.8	2.7	0.24	9.9	42.9	4	-1	72	10.3	3350
GS-08-278	7741405	1.24	0.06	672	30	5.42	77	5	0.024	624	-15	2.54	1.4	10.8	-3	11.1	-0.01	115	-0.5	2.2	0.31	7.2	15.9	3	-1	70	9.4	3610
GS-08-290	7741413	0.13	0.14	480	41	0.13	-7	217	0.006	23	-15	16.4	0.4	4.7	20	0.9	-0.01	16	-0.5	-0.7	0.08	-0.2	8.8	153	15	2	0.4	2820
GS-08-291	7741414	-99	3.67	5580	7	0.61	65	8	0.082	492	-15	0.32	2.7	10.8	-3	12.7	-0.01	82	-0.5	-0.7	0.22	2.5	430	170	14	24	2.2	1040
GS-08-292	7741415	-99	0.23	981	-10000	3.37	-99	7	0.027	2530	82	3.21	1.4	2.8	-3	-99	-0.01	89	-0.5	4.0	0.21	34.7	1390	-2	-1	91	23.4	123
GS-08-301	7741421	0.08	2.27	949	50	3.52	-7	75	0.018	13	-15	0.18	1.6	41.2	-3	2.1	-0.01	134	-0.5	-0.7	0.32	-0.3	31.1	457	-1	12	2.0	78
GS-09-115	7741456	0.30	1.21	3400	2	0.03	-5	18	0.020	5	-15	0.27	0.4	2.7	-3	2.1	-0.01	198	1.2	-0.5	0.06	0.4	-0.5	50	-1	22	1.7	58
GS-09-142	7741469	0.61	0.36	441	15	0.09	21	8	0.019	-3	77	0.48	1.4	4.6	-3	3.0	-0.01	61	-0.5	-0.5	0.11	10.5	5.9	17	-1	25	3.4	19
GS-09-163	7741477	0.31	1.08	370	8	0.20	18	83	0.041	38	157	2.82	5.8	13.4	-3	2.8	-0.01	49	-0.5	-0.5	0.36	6.0	4.2	167	-1	17	1.6	14
GS-09-166	7741478	0.58	2.70	1130	9	0.04	21	353	0.063	127	-15	4.80	6.3	17.2	15	3.3	0.08	64	0.7	0.6	0.44	0.9	13.2	279	-1	27	3.2	1280
GS-09-169	7741479	0.75	0.68	393	-1	4.63	30	11	0.064	7	-15	0.16	2.6	7.4	-3	5.2	-0.01	139	2.4	-0.5	0.38	12.4	6.6	69	-1	28	4.0	48
GS-09-173	7741482	0.24	3.67	939	-1	3.56	8	61	0.016	-3	-15	0.09	2.0	26.3	-3	1.2	-0.01	164	-0.5	-0.5	0.30	1.2	-0.5	155	-1	10	1.6	39
GS-09-220	7741502	0.61	3.60	1640	287	1.36	27	226	0.075	25	32	1.22	1.0	14.8	-3	4.3	-0.01	151	-0.5	-0.5	0.37	3.3	19.3	423	1030	43	4.0	203

Open File LAB/1692 - Appendix E2: Duplicates Data and Detection Limits - Actlabs: 1H (Au + 48)

DuplicateID	Control	AnaysisYr	Analysis	ActlabWt	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Cu	Eu	Fe	Hf	Hg	Ir	K	La	Lu	Mg
Unit				grams	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	wt.%	ppm	ppm	ppb	wt.%	ppm	ppm	wt.%
Detection Limit					0.3	0.01	0.5	2	50	1	2	0.5 to 1.3	0.01	0.3	3	1	2	1	1	0.001	0.2	0.01	1	1 to 7	5	0.01	0.5	0.05	0.01
Analysis Method					TD-ICP	TD-ICP	INAA	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP
for 50 samples GS-07-002 to 273																													
GS-07-066 Orig	original	2008	Actlabs: 1H (Au+48)	-99	5.2	6.94	-99	-99	-99	3	-2	-99	6.46	0.3	-99	-99	-99	-99	102	-99	-99	-99	-99	-99	-99	0.28	-99	-99	0.91
GS-07-066 Dup	duplicate	2008	Actlabs: 1H (Au+48)	-99	3.8	9.73	-99	-99	-99	3	-2	-99	6.32	0.4	-99	-99	-99	-99	114	-99	-99	-99	-99	-99	-99	0.31	-99	-99	0.98
GS-07-131 Orig	original	2008	Actlabs: 1H (Au+48)	-99	0.4	6.05	-99	-99	-99	1	-2	-99	1.77	0.5	-99	-99	-99	-99	31	-99	-99	-99	-99	-99	-99	2.05	-99	-99	1.04
GS-07-131 Dup	duplicate	2008	Actlabs: 1H (Au+48)	-99	0.5	5.81	-99	-99	-99	1	-2	-99	1.81	0.6	-99	-99	-99	-99	29	-99	-99	-99	-99	-99	-99	2.11	-99	-99	1.07
GS-07-138 Orig	original	2008	Actlabs: 1H (Au+48)	23.0	1.8	4.02	18.7	18	3230	-1	2	-0.5	3.01	0.4	44	18	52	-1	104	-99	0.8	1.37	4	-1	-5	1.63	29.8	0.52	0.05
GS-07-138 Split	split	2008	Actlabs: 1H (Au+48)	22.7	2.1	4.21	20.6	16	3240	1	2	-0.5	3.22	0.4	41	20	45	-1	-99	-99	0.7	1.32	5	-1	-5	1.89	29.0	0.55	0.05
GS-07-175 Orig	original	2008	Actlabs: 1H (Au+48)	18.5	2.7	9.62	-0.5	-2	12000	2	-2	-0.5	1.89	-0.3	-3	9	41	-1	96	-99	-0.2	0.94	2	-1	-5	0.08	73.0	-0.05	0.04
GS-07-175 Split	split	2008	Actlabs: 1H (Au+48)	16.3	2.4	8.34	-0.5	-2	13000	2	-2	-0.5	1.80	-0.3	-3	7	40	-1	91	-99	-0.2	1.00	-1	-1	-5	0.08	76.1	-0.05	0.04
GS-07-270 Orig	original	2008	Actlabs: 1H (Au+48)	-99	-0.3	2.06	-99	-99	-99	-1	-2	-99	0.45	-0.3	-99	-99	-99	-99	6	-99	-99	-99	-99	-99	-99	1.23	-99	-99	0.25
GS-07-270 Dup	duplicate	2008	Actlabs: 1H (Au+48)	-99	-0.3	2.16	-99	-99	-99	-1	-2	-99	0.48	-0.3	-99	-99	-99	-99	6	-99	-99	-99	-99	-99	-99	1.25	-99	-99	0.27
GS-07-273 Orig	original	2008	Actlabs: 1H (Au+48)	26.2	3.9	0.29	216	-2	-50	1	-2	-0.5	0.50	1.8	-3	4	159	-1	95		-0.2	14.9	-1	-1	-5	0.03	17.4	-0.05	0.09
GS-07-273 Split	split	2008	Actlabs: 1H (Au+48)	16.4	3.9	0.45	225	-2	-50	1	-2	-0.5	0.51	1.8	-3	4	178	-1	94	-99	-0.2	15.2	-1	-1	-5	0.02	16.6	-0.05	0.09
for 40 samples GS-08-005 to 301, GS-07-136																													
GS-08-073 Orig	original	2009	Actlabs: 1H (Au+48)	-99	0.6	0.27	-99	-99	-99	-1	-2	-99	4.97	-0.3	-99	-99	-99	-99	139	-99	-99	-99	-99	-99	-99	0.03	-99	-99	1.69
GS-08-073 Dup	duplicate	2009	Actlabs: 1H (Au+48)	-99	0.6	0.26	-99	-99	-99	-1	-2	-99	4.86	-0.3	-99	-99	-99	-99	136	-99	-99	-99	-99	-99	-99	0.03	-99	-99	1.66
GS-08-249 Orig	original	2009	Actlabs: 1H (Au+48)	-99	2.2	7.32	-99	-99	-99	4	-2	-99	1.59	0.7	-99	-99	-99	-99	3580	-99	-99	-99	-99	-99	-99	0.96	-99	-99	0.35
GS-08-249 Dup	duplicate	2009	Actlabs: 1H (Au+48)	-99	2.2	7.20	-99	-99	-99	4	-2	-99	1.56	0.8	-99	-99	-99	-99	3530	-99	-99	-99	-99	-99	-99	0.95	-99	-99	0.35
GS-08-267 Orig	original	2009	Actlabs: 1H (Au+48)	-99	1.1	3.81	-99	-99	-99	1	-2	-99	5.60	-0.3	-99	-99	-99	-99	187	-99	-99	-99	-99	-99	-99	0.83	-99	-99	2.28
GS-08-267 Split	split	2009	Actlabs: 1H (Au+48)	-99	1.1	5.13	-99	-99	-99	1	-2	-99	5.39	0.9	-99	-99	-99	-99	173	-99	-99	-99	-99	-99	-99	0.83	-99	-99	2.29
GS-07-280 Orig	original	2009	Actlabs: 1H (Au+48)	-99	0.3	5.82	-99	-99	-99	3	-2	-99	0.43	-0.3	-99	-99	-99	-99	8	-99	-99	-99	-99	-99	-99	1.54	-99	-99	0.12
GS-07-280 Split	split	2009	Actlabs: 1H (Au+48)	-99	0.4	5.51	-99	-99	-99	3	-2	-99	0.42	-0.3	-99	-99	-99	-99	9	-99	-99	-99	-99	-99	-99	1.77	-99	-99	0.12

Open File LAB/1692 - Appendix E2: Duplicates Data and Detection Limits - Actlabs: 1H (Au + 48)

DuplicateID	Mn	Mo	Na	Nd	Ni	Ni	P	Pb	Rb	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Ti	Th	U	V	W	Y	Yb	Zn	Zn
Unit	ppm	ppm	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	0.01	5	1	20	0.001	3	15, 25	0.01	0.1	0.1	3 to 9	0.1	0.01 to 0.11	1	0.5	0.5, 0.6	0.01	0.2	0.5	2	1 to 5	1	0.2	1	50
Analysis Method	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	TD-ICP	INAA
for 50 samples GS-																											
GS-07-066 Orig	625	2	-99	-99	15	-99	0.083	538	-99	0.03	-99	-99	-99	-99	-99	286	-99	-99	0.35	-99	-99	328	-99	16	-99	62	-99
GS-07-066 Dup	618	3	-99	-99	16	-99	0.093	526	-99	0.03	-99	-99	-99	-99	-99	293	-99	-99	0.39	-99	-99	337	-99	18	-99	64	-99
GS-07-131 Orig	1730	9	-99	-99	28	-99	0.029	15	-99	0.35	-99	-99	-99	-99	-99	98	-99	-99	0.20	-99	-99	71	-99	17	-99	41	-99
GS-07-131 Dup	1790	6	-99	-99	31	-99	0.029	17	-99	0.37	-99	-99	-99	-99	-99	99	-99	-99	0.20	-99	-99	72	-99	17	-99	41	-99
GS-07-138 Orig	674	15	0.26	14	12	-99	0.016	158	118	0.06	0.7	3.3	-3	2.7	-0.01	101	-0.5	-0.5	0.32	7.7	79.9	49	-1	45	3.6	10	-99
GS-07-138 Split	733	15	0.27	12	-99	-20	0.016	151	114	0.06	0.6	3.3	-3	2.6	-0.01	99	-0.5	-0.5	0.32	7.5	91.3	50	-1	48	3.7	-99	-50
GS-07-175 Orig	303	3	7.66	-5	4	-99	0.003	880	-15	0.02	-0.1	1.9	-3	-0.1	-0.01	125	-0.5	-0.5	0.04	6.4	2250	43	-1	8	0.7	3	-99
GS-07-175 Split	301	4	7.60	-5	4	-20	0.002	878	-15	0.01	-0.1	1.6	-3	-0.1	-0.01	116	-0.5	-0.5	0.03	6.3	2290	41	-1	7	-0.2	4	-50
GS-07-270 Orig	113	-1	-99	-99	13	-99	0.005	4	-99	-0.01	-99	-99	-99	-99	-99	18	-99	-99	0.14	-99	-99	24	-99	10	-99	8	-99
GS-07-270 Dup	126	-1	-99	-99	22	-99	0.006	6	-99	-0.01	-99	-99	-99	-99	-99	20	-99	-99	0.21	-99	-99	29	-99	11	-99	9	-99
GS-07-273 Orig	256	43	0.05	-5	13	-99	0.002	524	-15	0.04	7.7	1.1	19	-0.1	-0.01	29	-0.5	-0.5	0.11	1.6	558	710	11	5	0.4	16	-99
GS-07-273 Split	257	43	0.05	-5	14	-20	0.003	524	-15	0.03	8.1	1.1	25	-0.1	-0.01	34	-0.5	-0.5	0.11	1.5	575	719	14	5	0.5	18	-50
for 40 samples GS-																											
GS-08-073 Orig	719	1	-99	-99	12	-99	0.017	7	-99	0.03	-99	-99	-99	-99	-99	85	-99	-99	0.01	-99	-99	514	-99	4	-99	-99	-99
GS-08-073 Dup	702	1	-99	-99	11	-99	0.017	5	-99	0.04	-99	-99	-99	-99	-99	85	-99	-99	0.01	-99	-99	505	-99	4	-99	-99	-99
GS-08-249 Orig	536	5	-99	-99	7	-99	0.091	26	-99	3.25	-99	-99	-99	-99	-99	132	-99	-99	0.42	-99	-99	43	-99	79	-99	-99	-99
GS-08-249 Dup	515	5	-99	-99	7	-99	0.089	23	-99	3.25	-99	-99	-99	-99	-99	130	-99	-99	0.42	-99	-99	42	-99	79	-99	-99	-99
GS-08-267 Orig	1490	215	-99	-99	58	-99	0.051	407	-99	0.45	-99	-99	-99	-99	-99	127	-99	-99	0.68	-99	-99	283	-99	14	-99	-99	-99
GS-08-267 Split	1390	168	-99	-99	54	-99	0.046	388	-99	0.46	-99	-99	-99	-99	-99	120	-99	-99	0.56	-99	-99	242	-99	21	-99	-99	-99
GS-07-280 Orig	280	12	-99	-99	2	-99	0.005	34	-99	0.17	-99	-99	-99	-99	-99	42	-99	-99	0.08	-99	-99	4	-99	51	-99	-99	-99
GS-07-280 Split	301	13	-99	-99	3	-99	0.006	36	-99	0.16	-99	-99	-99	-99	-99	40	-99	-99	0.08	-99	-99	4	-99	50	-99	-99	-99

Open File LAB/1692 - Appendix E3: Standards Data and Detection Limits - Actlabs: 1H (Au + 48)

StandardID	Control	AnaysisYr	Analysis	ActlabWt	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Cu	Eu	Fe	Hf	Hg	Ir	K	La
Unit				grams	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	wt.%	ppm	ppm	ppb	wt.%	ppm
Detection Limit					0.3	0.01	0.5	2	50	1	2	0.5 to 1.3	0.01	0.3	3	1	2	1	1	0.001	0.2	0.01	1	1 to 7	5	0.01	0.5
Analysis Method				INAA	TD-ICP	TD-ICP	INAA	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA
for 50 samples GS-07-002 to 273																											
GXR-1 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	29.5	2.30	-99	-99	-99	1	1380	-99	0.85	4.2	-99	-99	-99	-99	1110	-99	-99	-99	-99	-99	-99	0.05	-99
GXR-1 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	31.0	3.52	-99	-99	-99	1.22	1380	-99	0.96	3.3	-99	-99	-99	-99	1110	-99	-99	-99	-99	-99	-99	0.05	-99
DNC-1 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	0.4	11.1	-99	-99	-99	-1	-2	-99	8.07	-99	-99	-99	-99	-99	114	-99	-99	-99	-99	-99	-99	0.23	-99
DNC-1 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	0.027	9.69	-99	-99	-99	1	0.02	-99	8.06	-99	-99	-99	-99	-99	96	-99	-99	-99	-99	-99	-99	0.19	-99
GXR-4 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	3.8	6.18	-99	-99	-99	2	18	-99	1.04	0.7	-99	-99	-99	-99	5560	-99	-99	-99	-99	-99	-99	4.07	-99
GXR-4 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	4.0	7.20	-99	-99	-99	1.9	19	-99	1.01	0.86	-99	-99	-99	-99	6520	-99	-99	-99	-99	-99	-99	4.01	-99
GXR-2 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	18.6	11.0	-99	-99	-99	2	-2	-99	0.88	2.8	-99	-99	-99	-99	72	-99	-99	-99	-99	-99	-99	1.43	-99
GXR-2 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	17	16.5	-99	-99	-99	1.7	0.69	-99	0.93	4.1	-99	-99	-99	-99	76	-99	-99	-99	-99	-99	-99	1.37	-99
SDC-1 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	0.4	9.37	-99	-99	-99	3	-2	-99	1.10	0.4	-99	-99	-99	-99	31	-99	-99	-99	-99	-99	-99	3.17	-99
SDC-1 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	0.041	8.34	-99	-99	-99	3	2.6	-99	1.00	0.08	-99	-99	-99	-99	30	-99	-99	-99	-99	-99	-99	2.72	-99
SCO-1 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	0.4	5.65	-99	-99	-99	2	-2	-99	1.83	0.4	-99	-99	-99	-99	25	-99	-99	-99	-99	-99	-99	2.22	-99
SCO-1 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	0.134	7.24	-99	-99	-99	1.84	0.37	-99	1.87	0.14	-99	-99	-99	-99	28.7	-99	-99	-99	-99	-99	-99	2.3	-99
GXR-6 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	0.6	12.4	-99	-99	-99	1	-2	-99	0.18	1.3	-99	-99	-99	-99	58	-99	-99	-99	-99	-99	-99	1.85	-99
GXR-6 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	1.3	17.7	-99	-99	-99	1.4	0.29	-99	0.18	1.0	-99	-99	-99	-99	66	-99	-99	-99	-99	-99	-99	1.87	-99
OREAS 13P Meas	standard	2008	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2740	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	certified	2008	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2500	-99	-99	-99	-99	-99	-99	-99	-99
DMMAS-104 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	-99	-99	1540	201	900	-99	-99	-99	-99	-99	67	43	98	-99	-99	-99	1.4	5.72	-99	-99	-99	-99	38.5
DMMAS-104 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	-99	-99	1570	229	850	-99	-99	-99	-99	-99	62.9	48.8	95.1	-99	-99	-99	1.2	5.61	-99	-99	-99	-99	36.6
DMMAS-104 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	-99	-99	1520	219	880	-99	-99	-99	-99	-99	60	44	94	-99	-99	-99	1.4	5.69	-99	-99	-99	-99	36.1
DMMAS-104 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	-99	-99	1570	229	850	-99	-99	-99	-99	-99	62.9	48.8	95.1	-99	-99	-99	1.2	5.61	-99	-99	-99	-99	36.6
DMMAS-104 Meas	standard	2008	Actlabs: 1H (Au+48)	-99	-99	-99	1550	207	880	-99	-99	-99	-99	-99	62	43	92	-99	-99	-99	1.0	5.65	-99	-99	-99	-99	35.7
DMMAS-104 Cert	certified	2008	Actlabs: 1H (Au+48)	-99	-99	-99	1570	229	850	-99	-99	-99	-99	-99	62.9	48.8	95.1	-99	-99	-99	1.2	5.61	-99	-99	-99	-99	36.6
Method Blank	blank	2008	Actlabs: 1H (Au+48)	-99	-0.3	0.05	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2008	Actlabs: 1H (Au+48)	-99	-0.3	0.71	-99	-99	-99	-1	-2	-99	0.02	-0.3	-99	-99	-99	-99	1	-99	-99	-99	-99	-99	-99	0.02	-99
Method Blank	blank	2008	Actlabs: 1H (Au+48)	-99	-0.3	-0.01	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	-1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2008	Actlabs: 1H (Au+48)	-99	-0.3	0.02	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	-1	-99	-99	-99	-99	-99	-99	-0.01	-99
for 40 samples GS-08-005 to 301, GS-07-136																											
GXR-1 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	30.8	2.62	-99	-99	-99	1	1390	-99	0.98	3.3	-99	-99	-99	-99	1210	-99	-99	-99	-99	-99	-99	0.05	-99
GXR-1 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	31.0	3.52	-99	-99	-99	1.22	1380	-99	0.96	3.3	-99	-99	-99	-99	1110	-99	-99	-99	-99	-99	-99	0.05	-99
DNC-1 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-0.3	8.63	-99	-99	-99	-1	-2	-99	7.81	-99	-99	-99	-99	-99	91	-99	-99	-99	-99	-99	-99	0.22	-99
DNC-1 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	0.027	9.69	-99	-99	-99	1	0.02	-99	8.06	-99	-99	-99	-99	-99	96	-99	-99	-99	-99	-99	-99	0.19	-99
GXR-4 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	3.3	6.43	-99	-99	-99	2	7	-99	1.16	0.3	-99	-99	-99	-99	6420	-99	-99	-99	-99	-99	-99	4.68	-99
GXR-4 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	4.0	7.20	-99	-99	-99	1.9	19	-99	1.01	0.86	-99	-99	-99	-99	6520	-99	-99	-99	-99	-99	-99	4.01	-99
GXR-2 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	17.8	10.9	-99	-99	-99	2	-2	-99	1.01	4.0	-99	-99	-99	-99	82	-99	-99	-99	-99	-99	-99	1.45	-99
GXR-2 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	17	16.5	-99	-99	-99	1.7	0.69	-99	0.93	4.1	-99	-99	-99	-99	76	-99	-99	-99	-99	-99	-99	1.37	-99
SDC-1 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-0.3	6.13	-99	-99	-99	3	-2	-99	0.98	0.3	-99	-99	-99	-99	28	-99	-99	-99	-99	-99	-99	1.66	-99
SDC-1 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	0.041	8.34	-99	-99	-99	3	2.6	-99	1.00	0.08	-99	-99	-99	-99	30	-99	-99	-99	-99	-99	-99	2.72	-99
SCO-1 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-0.3	6.67	-99	-99	-99	2	-2	-99	2.16	0.3	-99	-99	-99	-99	26	-99	-99	-99	-99	-99	-99	2.02	-99
SCO-1 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	0.134	7.24	-99	-99	-99	1.84	0.37	-99	1.87	0.14	-99	-99	-99	-99	28.7	-99	-99	-99	-99	-99	-99	2.3	-99
GXR-6 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	0.4	12.1	-99	-99	-99	1	-2	-99	0.19	-0.3	-99	-99	-99	-99	68	-99	-99	-99	-99	-99	-99	2.05	-99
GXR-6 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	1.3	17.7	-99	-99	-99	1.4	0.29	-99	0.18	1.0	-99	-99	-99	-99	66	-99	-99	-99	-99	-99	-99	1.87	-99
OREAS 13P Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2590	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2500	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	blank	2009	Actlabs: 1H (Au+48)	-99	-0.3	-0.01	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2009	Actlabs: 1H (Au+48)	-99	-0.3	-0.01	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2009	Actlabs: 1H (Au+48)	-99	-0.3	-0.01	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2009	Actlabs: 1H (Au+48)	-99	-0.3	0.02	-99	-99	-99	-1	-2	-99	0.02	-0.3	-99	-99	-99	-99	-1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2009	Actlabs: 1H (Au+48)	-99	-0.3	-0.01	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	-1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2009	Actlabs: 1H (Au+48)	-99	-0.3	-0.01	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	-1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2009	Actlabs: 1H (Au+48)	1.00	-99	-99	-0.5	-2	-50	-99	-99	-0.5	-99	-99	-3	-1	-2	-1	-99	-99	-0.2	-0.01	-1	-1	-5	-99	-0.5
DH-1a	standard	2009	Actlabs: 1H (Au+48)	0.51	-99	-99	27.4	222	720	-99	-99	-1.1	-99	-99	-99	74	119	-1	-99	-99	-0.2	4.97	16	-6	204	-99	-99
DH-1a	standard	2009	Actlabs: 1H (Au+48)	0.51	-99	-99	29.3	122	14300	-99	-99	-1.3	-99	-99	-99	82	218	-1	-99	-99	-0.3	5.68	18	-7	312	-99	-99
DH-1A Accepted	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DMMAS 107	standard	2009	Actlabs: 1H (Au+48)	1.29	-99	-99	2940	552	636	-99	-99	3.4	-99	-99	27	79	161	-1	-99	-99	1.2	7.12	2	-1	-5	-99	14.5
DMMAS 107	standard	2009	Actlabs: 1H (Au+48)	1.29	-99	-99	2930	548	847	-99	-99	5.0	-99	-99	22	77	161	-1	-99	-99	1.2	7.28	2	-1	-5	-99	15.5
DMMAS 107 Accepted	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	2980	557	-99	-99	-99	-99	-99	-99	24	74	166	-99	-99	-99	-99	6.95	-99	-99	-99	-99	15.0

Open File LAB/1692 - Appendix E3: Standards Data and Detection Limits - Actlabs: 1H (Au + 48)

StandardID	Control	AnaysisYr	Analysis	ActlabWt	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Cu	Eu	Fe	Hf	Hg	Ir	K	La
Unit				grams	ppm	wt.%	ppm	ppb	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	wt.%	ppm	ppm	ppb	wt.%	ppm
Detection Limit					0.3	0.01	0.5	2	50	1	2	0.5 to 1.3	0.01	0.3	3	1	2	1	1	0.001	0.2	0.01	1	1 to 7	5	0.01	0.5
Analysis Method					TD-ICP	TD-ICP	INAA	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	ICP-OES	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA
for 7 samples GS-09-115 to 220																											
GXR-1 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	28.2	0.95	-99	-99	-99	1	1360	-99	0.83	3.2	-99	-99	-99	-99	1120	-99	-99	-99	-99	-99	-99	0.03	-99
GXR-1 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	31.0	3.52	-99	-99	-99	1.22	1380	-99	0.96	3.3	-99	-99	-99	-99	1110	-99	-99	-99	-99	-99	-99	0.05	-99
DNC-1 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-0.3	9.37	-99	-99	-99	-1	-2	-99	7.65	-99	-99	-99	-99	-99	99	-99	-99	-99	-99	-99	-99	0.18	-99
DNC-1 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	0.027	9.69	-99	-99	-99	1	0.02	-99	8.06	-99	-99	-99	-99	-99	96	-99	-99	-99	-99	-99	-99	0.19	-99
GXR-4 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	3.3	6.58	-99	-99	-99	2	13	-99	1.10	0.5	-99	-99	-99	-99	6220	-99	-99	-99	-99	-99	-99	1.4	-99
GXR-4 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	4.0	7.20	-99	-99	-99	1.9	19	-99	1.01	0.86	-99	-99	-99	-99	6520	-99	-99	-99	-99	-99	-99	4.01	-99
GXR-2 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	18.6	11.9	-99	-99	-99	2	-2	-99	0.99	4.2	-99	-99	-99	-99	85	-99	-99	-99	-99	-99	-99	0.65	-99
GXR-2 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	17	16.5	-99	-99	-99	1.7	0.69	-99	0.93	4.1	-99	-99	-99	-99	76	-99	-99	-99	-99	-99	-99	1.37	-99
KC-1A Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.644	-99	-99	-99	-99	-99	-99	-99
KC-1A Cert	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.629	-99	-99	-99	-99	-99	-99	-99
CZN-3 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.685	-99	-99	-99	-99	-99	-99	-99
CZN-3 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.685	-99	-99	-99	-99	-99	-99	-99
SDC-1 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-0.3	8.27	-99	-99	-99	3	-2	-99	1.15	0.3	-99	-99	-99	-99	31	-99	-99	-99	-99	-99	-99	1.14	-99
SDC-1 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	0.041	8.34	-99	-99	-99	3	2.6	-99	1.00	0.08	-99	-99	-99	-99	30	-99	-99	-99	-99	-99	-99	2.72	-99
SCO-1 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	0.4	7.20	-99	-99	-99	2	-2	-99	2.13	0.5	-99	-99	-99	-99	27	-99	-99	-99	-99	-99	-99	0.88	-99
SCO-1 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	0.134	7.24	-99	-99	-99	1.84	0.37	-99	1.87	0.14	-99	-99	-99	-99	28.7	-99	-99	-99	-99	-99	-99	2.3	-99
GXR-6 Meas	standard	2009	Actlabs: 1H (Au+48)	-99	0.4	14.9	-99	-99	-99	1	-2	-99	0.24	0.7	-99	-99	-99	-99	64	-99	-99	-99	-99	-99	-99	0.74	-99
GXR-6 Cert	certified	2009	Actlabs: 1H (Au+48)	-99	1.3	17.7	-99	-99	-99	1.4	0.29	-99	0.18	1.0	-99	-99	-99	-99	66	-99	-99	-99	-99	-99	-99	1.87	-99
CCU-1C Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	25.60	-99	-99	-99	-99	-99	-99	-99
CCU-1C Cert	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	25.60	-99	-99	-99	-99	-99	-99	-99
PTC-1a Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	13.50	-99	-99	-99	-99	-99	-99	-99
PTC-1a Cert	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	13.50	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2560	0.251	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2500	0.250	-99	-99	-99	-99	-99	-99	-99
OREAS 14P Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.909	-99	-99	-99	-99	-99	-99	-99
OREAS 14P Cert	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	0.997	-99	-99	-99	-99	-99	-99	-99
DMMAS 108-B Meas	standard	2009	Actlabs: 1H (Au+48)	-99	-99	-99	3390	693	-99	-99	-99	-99	-99	-99	33	83	197	-99	-99	-99	-99	7.66	-99	-99	-99	-99	17.2
DMMAS 108-B Cert	certified	2009	Actlabs: 1H (Au+48)	-99	-99	-99	3160	625	-99	-99	-99	-99	-99	-99	31	81	189	-99	-99	-99	-99	7.65	-99	-99	-99	-99	16.5
Method Blank	blank	2009	Actlabs: 1H (Au+48)	-99	-0.3	-0.01	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	-1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2009	Actlabs: 1H (Au+48)	-99	-0.3	-0.01	-99	-99	-99	-1	-2	-99	-0.01	-0.3	-99	-99	-99	-99	-1	-99	-99	-99	-99	-99	-99	-0.01	-99
Method Blank	blank	2009	Actlabs: 1H (Au+48)	30.0	-99	-99	-0.5	-2	-50	-99	-99	-0.5	-99	-99	-3	-1	-2	-1	-99	-99	-0.2	-0.01	-1	-1	-5	-99	-0.5
Method Blank	blank	2009	Actlabs: 1H (Au+48)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-0	-99	-99	-99	-99	-99	-99	-99

Open File LAB/1692 - Appendix E3: Standards Data and Detection Limits - Actlabs: 1H (Au + 48)

StandardID	Lu	Mg	Mn	Mo	Na	Nd	Ni	Ni	P	Pb	Rb	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Ti	Th	U	V	W	Y	Yb	Zn	Zn
Unit	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.01	1	1	0.01	5	1	20	0.001	3	15, 25	0.01	0.1	0.1	3 to 9	0.1	0.01 to 0.11	1	0.5	0.5, 0.6	0.01	0.2	0.5	2	1 to 5	1	0.2	1	50
Analysis Method	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	TD-ICP	INAA
for 50 samples GS-07-002																													
GXR-1 Meas	-99	0.21	890	16	-99	-99	40	-99	0.055	727	-99	0.24	-99	-99	-99	-99	-99	291	-99	-99	-99	-99	-99	86	-99	32	-99	746	-99
GXR-1 Cert	-99	0.217	852	18	-99	-99	41	-99	0.065	730	-99	0.257	-99	-99	-99	-99	-99	275	-99	-99	-99	-99	-99	80	-99	32	-99	760	-99
DNC-1 Meas	-99	7.10	1150	-1	-99	-99	249	-99	0.027	6	-99	0.07	-99	-99	-99	-99	-99	147	-99	-99	0.29	-99	-99	161	-99	19	-99	59	-99
DNC-1 Cert	-99	6.06	1150	0.7	-99	-99	247	-99	0.037	6.3	-99	0.039	-99	-99	-99	-99	-99	145	-99	-99	0.287	-99	-99	148	-99	18	-99	66	-99
GXR-4 Meas	-99	1.76	144	313	-99	-99	40	-99	0.120	43	-99	1.79	-99	-99	-99	-99	-99	210	-99	-99	-99	-99	-99	91	-99	15	-99	70	-99
GXR-4 Cert	-99	1.66	155	310	-99	-99	42	-99	0.120	52	-99	1.77	-99	-99	-99	-99	-99	221	-99	-99	-99	-99	-99	87	-99	14	-99	73	-99
GXR-2 Meas	-99	0.84	935	1	-99	-99	20	-99	0.055	720	-99	0.02	-99	-99	-99	-99	-99	145	-99	-99	-99	-99	-99	51	-99	16	-99	540	-99
GXR-2 Cert	-99	0.85	1010	2.1	-99	-99	21	-99	0.105	690	-99	0.031	-99	-99	-99	-99	-99	160	-99	-99	-99	-99	-99	52	-99	17	-99	530	-99
SDC-1 Meas	-99	1.16	932	-1	-99	-99	36	-99	0.058	24	-99	0.07	-99	-99	-99	-99	-99	189	-99	-99	0.48	-99	-99	92	-99	40	-99	103	-99
SDC-1 Cert	-99	1.02	883	0.25	-99	-99	38	-99	0.069	25	-99	0.065	-99	-99	-99	-99	-99	183	-99	-99	0.606	-99	-99	102	-99	40	-99	103	-99
SCO-1 Meas	-99	1.54	360	-1	-99	-99	25	-99	0.070	29	-99	-99	-99	-99	-99	-99	-99	151	-99	-99	0.27	-99	-99	113	-99	19	-99	95	-99
SCO-1 Cert	-99	1.64	410	1.37	-99	-99	27	-99	0.090	31	-99	-99	-99	-99	-99	-99	-99	174	-99	-99	0.38	-99	-99	131	-99	26	-99	103	-99
GXR-6 Meas	-99	0.63	1010	1	-99	-99	25	-99	0.032	98	-99	0.02	-99	-99	-99	-99	-99	39	-99	-99	-99	-99	-99	94	-99	13	-99	122	-99
GXR-6 Cert	-99	0.609	1010	2.4	-99	-99	27	-99	0.035	101	-99	0.016	-99	-99	-99	-99	-99	35	-99	-99	-99	-99	-99	186	-99	14	-99	118	-99
OREAS 13P Meas	-99	-99	-99	-99	-99	-99	1930	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	-99	-99	-99	-99	-99	-99	2260	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DMMAS-104 Meas	0.46	-99	-99	-99	3.55	18	-99	-99	-99	-99	-99	-99	6.4	14.0	-99	3.8	-99	-99	-99	-99	-99	8.3	71.5	-99	8	-99	2.9	-99	120
DMMAS-104 Cert	0.40	-99	-99	-99	3.43	18.8	-99	-99	-99	-99	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	-99	-99	8.3	71.9	-99	6	-99	3.0	-99	96.2
DMMAS-104 Meas	0.47	-99	-99	-99	3.51	17	-99	-99	-99	-99	-99	-99	6.2	14.3	-99	3.6	-99	-99	-99	-99	-99	8.2	71.4	-99	8	-99	3.4	-99	160
DMMAS-104 Cert	0.40	-99	-99	-99	3.43	18.8	-99	-99	-99	-99	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	-99	-99	8.3	71.9	-99	6	-99	3.0	-99	96.2
DMMAS-104 Meas	0.50	-99	-99	-99	3.50	17	-99	-99	-99	-99	-99	-99	6.4	14.0	-99	3.5	-99	-99	-99	-99	-99	8.2	71.4	-99	7	-99	2.8	-99	180
DMMAS-104 Cert	0.40	-99	-99	-99	3.43	18.8	-99	-99	-99	-99	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	-99	-99	8.3	71.9	-99	6	-99	3.0	-99	96.2
Method Blank	-99	-0.01	4	-1	-99	-99	-1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	1	-99
Method Blank	-99	0.05	9	-1	-99	-99	1	-99	0.001	-3	-99	0.01	-99	-99	-99	-99	-99	19	-99	-99	0.03	-99	-99	16	-99	8	-99	1	-99
Method Blank	-99	-0.01	1	-1	-99	-99	-1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-1	-99
Method Blank	-99	-0.01	1	-1	-99	-99	-1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-1	-99
for 40 samples GS-08-005																													
GXR-1 Meas	-99	0.24	921	15	-99	-99	44	-99	0.062	732	-99	0.24	-99	-99	-99	-99	-99	309	-99	-99	-99	-99	-99	97	-99	31	-99	-99	-99
GXR-1 Cert	-99	0.217	852	18	-99	-99	41	-99	0.065	730	-99	0.257	-99	-99	-99	-99	-99	275	-99	-99	-99	-99	-99	80	-99	32	-99	-99	-99
DNC-1 Meas	-99	5.52	1020	-1	-99	-99	240	-99	0.025	4	-99	0.05	-99	-99	-99	-99	-99	127	-99	-99	0.28	-99	-99	147	-99	16	-99	-99	-99
DNC-1 Cert	-99	6.06	1150	0.7	-99	-99	247	-99	0.037	6.3	-99	0.039	-99	-99	-99	-99	-99	145	-99	-99	0.287	-99	-99	148	-99	18	-99	-99	-99
GXR-4 Meas	-99	1.70	160	314	-99	-99	46	-99	0.135	48	-99	1.80	-99	-99	-99	-99	-99	216	-99	-99	-99	-99	-99	95	-99	14	-99	-99	-99
GXR-4 Cert	-99	1.66	155	310	-99	-99	42	-99	0.120	52	-99	1.77	-99	-99	-99	-99	-99	221	-99	-99	-99	-99	-99	87	-99	14	-99	-99	-99
GXR-2 Meas	-99	0.82	1010	1	-99	-99	20	-99	0.065	691	-99	0.02	-99	-99	-99	-99	-99	153	-99	-99	-99	-99	-99	55	-99	18	-99	-99	-99
GXR-2 Cert	-99	0.85	1010	2.1	-99	-99	21	-99	0.105	690	-99	0.031	-99	-99	-99	-99	-99	160	-99	-99	-99	-99	-99	52	-99	17	-99	-99	-99
SDC-1 Meas	-99	0.93	878	-1	-99	-99	38	-99	0.057	20	-99	0.06	-99	-99	-99	-99	-99	156	-99	-99	0.42	-99	-99	85	-99	28	-99	-99	-99
SDC-1 Cert	-99	1.02	883	0.25	-99	-99	38	-99	0.069	25	-99	0.065	-99	-99	-99	-99	-99	183	-99	-99	0.606	-99	-99	102	-99	40	-99	-99	-99
SCO-1 Meas	-99	1.60	372	-1	-99	-99	30	-99	0.079	30	-99	-99	-99	-99	-99	-99	-99	162	-99	-99	0.23	-99	-99	124	-99	21	-99	-99	-99
SCO-1 Cert	-99	1.64	410	1.37	-99	-99	27	-99	0.090	31	-99	-99	-99	-99	-99	-99	-99	174	-99	-99	0.38	-99	-99	131	-99	26	-99	-99	-99
GXR-6 Meas	-99	0.61	1070	-1	-99	-99	27	-99	0.035	98	-99	0.01	-99	-99	-99	-99	-99	39	-99	-99	-99	-99	-99	119	-99	15	-99	-99	-99
GXR-6 Cert	-99	0.609	1010	2.4	-99	-99	27	-99	0.035	101	-99	0.016	-99	-99	-99	-99	-99	35	-99	-99	-99	-99	-99	186	-99	14	-99	-99	-99
OREAS 13P Meas	-99	-99	-99	-99	-99	-99	2110	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	-99	-99	-99	-99	-99	-99	2260	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	-99	-0.01	5	-1	-99	-99	-1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-99	-99
Method Blank	-99	-0.01	11	-1	-99	-99	1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-99	-99
Method Blank	-99	-0.01	7	-1	-99	-99	1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-99	-99
Method Blank	-99	-0.01	3	-1	-99	-99	-1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-99	-99
Method Blank	-99	-0.01	2	-1	-99	-99	1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-99	-99
Method Blank	-99	-0.01	5	-1	-99	-99	-1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-99	-99
Method Blank	-0.05	-99	-99	-99	-0.01	-5	-99	-99	-99	-99	-15	-99	-0.1	-0.1	-3	-0.1	-0.01	-99	-0.5	-0.5	-99	-0.2	-0.5	-99	-1	-99	-0.2	-99	-1
DH-1a	-99	-99	-99	-99	0.11	-99	-99	-99	-99	-99	127	-99	2.3	4.9	-8	-99	-0.11	-99	19.2	11.0	-99	913	2630	-99	-4	-99	19.0	-99	241
DH-1a	-99	-99	-99	-99	0.14	-99	-99	-99	-99	-99	-25	-99	3.4	5.5	-9	-99	-0.08	-99	21.7	12.5	-99	910	2620	-99	-5	-99	20.9	-99	229
DH-1A Accepted	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	910	2630	-99	-99	-99	-99	-99	-99
DMMAS 107	0.48	-99	-99	-99	0.78	-5	-99	-99	-99	-99	64	-99	5.3	15.6	-3	3.7	-0.01	-99	-0.5	-0.6	-99	2.2	33.7	-99	15	-99	2.9	-99	182
DMMAS 107	0.58	-99	-99	-99	0.74	-5	-99	-99	-99	-99	46	-99	5.5	15.6	-3	3.9	-0.01	-99	-0.5	-0.6	-99	2.7	32.7	-99	17	-99	2.8	-99	202
DMMAS 107 Accepted	0.54	-99	-99	-99	0.74	-99	-99	-99	-99	-99	-99	-99	-99	14.8	-99	3.9	-99	-99	-99	-99	-99	-99	32.9	-99	14	-99	-99	-99	-99

Open File LAB/1692 - Appendix E3: Standards Data and Detection Limits - Actlabs: 1H (Au + 48)

StandardID	Lu	Mg	Mn	Mo	Na	Nd	Ni	Ni	P	Pb	Rb	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Ti	Th	U	V	W	Y	Yb	Zn	Zn
Unit	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.01	1	1	0.01	5	1	20	0.001	3	15, 25	0.01	0.1	0.1	3 to 9	0.1	0.01 to 0.11	1	0.5	0.5, 0.6	0.01	0.2	0.5	2	1 to 5	1	0.2	1	50
Analysis Method	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	TD-ICP	INAA
for 7 samples GS-09-115																													
GXR-1 Meas	-99	0.16	817	15	-99	-99	43	-99	0.054	672	-99	0.20	-99	-99	-99	-99	-99	256	-99	-99	-99	-99	-99	79	-99	9	-99	691	-99
GXR-1 Cert	-99	0.217	852	18	-99	-99	41	-99	0.065	730	-99	0.257	-99	-99	-99	-99	-99	275	-99	-99	-99	-99	-99	80	-99	32	-99	760	-99
DNC-1 Meas	-99	5.44	1010	-1	-99	-99	258	-99	0.026	-3	-99	0.05	-99	-99	-99	-99	-99	128	-99	-99	0.28	-99	-99	137	-99	18	-99	54	-99
DNC-1 Cert	-99	6.06	1150	0.7	-99	-99	247	-99	0.037	6.3	-99	0.039	-99	-99	-99	-99	-99	145	-99	-99	0.287	-99	-99	148	-99	18	-99	66	-99
GXR-4 Meas	-99	1.62	145	307	-99	-99	53	-99	0.133	49	-99	1.80	-99	-99	-99	-99	-99	209	-99	-99	-99	-99	-99	87	-99	16	-99	70	-99
GXR-4 Cert	-99	1.66	155	310	-99	-99	42	-99	0.120	52	-99	1.77	-99	-99	-99	-99	-99	221	-99	-99	-99	-99	-99	87	-99	14	-99	73	-99
GXR-2 Meas	-99	0.78	999	1	-99	-99	22	-99	0.066	691	-99	0.03	-99	-99	-99	-99	-99	154	-99	-99	-99	-99	-99	56	-99	18	-99	549	-99
GXR-2 Cert	-99	0.85	1010	2.1	-99	-99	21	-99	0.105	690	-99	0.031	-99	-99	-99	-99	-99	160	-99	-99	-99	-99	-99	52	-99	17	-99	530	-99
KC-1A Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
KC-1A Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CZN-3 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CZN-3 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
SDC-1 Meas	-99	0.99	857	-1	-99	-99	41	-99	0.056	21	-99	0.06	-99	-99	-99	-99	-99	176	-99	-99	0.11	-99	-99	36	-99	42	-99	97	-99
SDC-1 Cert	-99	1.02	883	0.25	-99	-99	38	-99	0.069	25	-99	0.065	-99	-99	-99	-99	-99	183	-99	-99	0.606	-99	-99	102	-99	40	-99	103	-99
SCO-1 Meas	-99	1.58	382	1	-99	-99	30	-99	0.086	25	-99	-99	-99	-99	-99	-99	-99	164	-99	-99	0.36	-99	-99	133	-99	25	-99	97	-99
SCO-1 Cert	-99	1.64	410	1.37	-99	-99	27	-99	0.090	31	-99	-99	-99	-99	-99	-99	-99	174	-99	-99	0.38	-99	-99	131	-99	26	-99	103	-99
GXR-6 Meas	-99	0.63	971	-1	-99	-99	27	-99	0.034	83	-99	0.01	-99	-99	-99	-99	-99	48	-99	-99	-99	-99	-99	145	-99	15	-99	120	-99
GXR-6 Cert	-99	0.609	1010	2.4	-99	-99	27	-99	0.035	101	-99	0.016	-99	-99	-99	-99	-99	35	-99	-99	-99	-99	-99	186	-99	14	-99	118	-99
CCU-1C Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
CCU-1C Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
PTC-1a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
PTC-1a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Meas	-99	-99	-99	-99	-99	-99	2250	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	-99	-99	-99	-99	-99	-99	2260	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 14P Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 14P Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DMMAS 108-B Meas	-99	-99	-99	-99	0.83	-99	-99	-99	-99	-99	-99	-99	-99	16.4	-99	-99	-99	-99	-99	-99	-99	-99	39.6	-99	16	-99	-99	-99	-99
DMMAS 108-B Cert	-99	-99	-99	-99	0.80	-99	-99	-99	-99	-99	-99	-99	-99	16.3	-99	-99	-99	-99	-99	-99	-99	-99	37.8	-99	16	-99	-99	-99	-99
Method Blank	-99	-0.01	1	-1	-99	-99	-1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-1	-99
Method Blank	-99	-0.01	3	-1	-99	-99	-1	-99	-0	-3	-99	-0.01	-99	-99	-99	-99	-99	-1	-99	-99	-0.01	-99	-99	-2	-99	-1	-99	-1	-99
Method Blank	-0.05	-99	-99	-99	-0.01	-5	-99	-20	-99	-99	-15	-99	-0.1	-0.1	-3	-0.1	-0.01	-99	-0.5	-0.5	-99	-0.2	-0.5	-99	-1	-99	-0.2	-99	-50
Method Blank	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File LAB/1692 - Appendix F1: Raw Data and Detection Limits - Actlabs: Ultratrace 4

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Upper Detection Limit												
Lower Detection Limit												
Analysis Method												
GS-08-216	7741359	2009	307146	6051898	21	NAD27	13J/12	Core	M-07-072	540.42	540.63	Weakly porphyritic, moderately foliated, felsic metavolcanic
GS-08-254	7741383	2009	362623	6093633	21	NAD27	13J/14	Grab	08G.W.S.004			Rusty weathering, weakly hematized mafic metavolcanic
GS-08-260	7741387	2008	340571	6097332	21	NAD27	13J/14	Grab	08G.W.S.010			Sulphidic argillite containing up to 5200 cps
GS-08-262	7741388	2008	340546	6097380	21	NAD27	13J/14	Grab	08G.W.S.013			Sulphidic argillite containing up to 60 000 cps
GS-08-268	7741394	2009	340763	6097165	21	NAD27	13J/14	Grab	08G.W.S.025			Mineralized argillite immediately adjacent to feldspar porphyry dyke
GS-08-271	7741397	2008	340740	6097583	21	NAD27	13O/03	Grab	08G.W.S.032			Argillite with possible interbedded tuff containing up to 4300 cps
GS-08-273	7741399	2008	340743	6097582	21	NAD27	13O/03	Grab	08G.W.S.033			Argillite with possible vein-hosted uranium mineralization
GS-08-274	7741401	2009	361278	6113904	21	NAD27	13O/03	Grab	08G.W.S.038			Felsic metavolcanic hosting fracture-hosted disseminated pyrite and molybdenite mineralization
GS-08-276	7741403	2009	361278	6113904	21	NAD27	13O/03	Grab	08G.W.S.038			Weakly hematized felsic metavolcanic containing fracture-hosted uranium mineralization
GS-08-284	7741408	2009	362092	6120196	21	NAD27	13O/03	Grab	08G.W.S.042			Pyrite-rich, altered volcanic with vein hosted flourite
GS-08-292	7741415	2009	359019	6105008	21	NAD27	13O/03	Grab	08G.W.S.053			Altered felsic metavolcanic containing molybdenite and lesser uranium mineralization
GS-08-293	7741416	2008	359019	6105008	21	NAD27	13O/03	Grab	08G.W.S.053			Felsic metavolcanic with fracture-hosted molybdenite and uranophane staining
GS-08-303	7741422	2008	243318	6042977	21	NAD27	13K/07	Grab	08G.W.S.080			Quartz-carbonate veined metasediment with up to 26000 cps; minor Cu staining
GS-09-018	7741426	2009	230228	6054210	21	NAD27	13K/11	Core	CMB-07-15	484.45	484.94	Hematite-rich breccia with up to 590 cps
GS-09-048	7741431	2009	231504	6052224	21	NAD27	13K/11	Grab	09G.W.S.005			Hematized granodiorite/tonalite containing fracture-hosted radioactivity
GS-09-054	7741432	2009	234802	6050745	21	NAD27	13K/11	Grab	09G.W.S.010			Highly frac granodiorite/tonalite; taken from outcrop with >10 000 cps.
GS-09-059	7741436	2009	235062	6050700	21	NAD27	13K/11	Grab	09G.W.S.015			Cataclastic breccia within metasedimentary unit with anomalous radioactivity
GS-09-060	7741437	2009	235062	6050700	21	NAD27	13K/11	Grab	09G.W.S.015			Siltstone with up to 500 cps
GS-09-062	7741439	2009	235628	6050956	21	NAD27	13K/11	Grab	09G.W.S.016			Light grey, pyritic siltstone with up to 450 cps
GS-09-070	7741442	2009	237997	6051450	21	NAD27	13K/11	Grab	09G.W.S.025			Hematite altered breccia from within main mineralized fracture; up to 800 cps.
GS-09-102	7741446	2009	257331	6060484	21	NAD27	13K/10	Grab	09G.W.S.030			Moderately hematized tonalite hosting anomalous radioactivity
GS-09-103	7741447	2009	257213	6060520	21	NAD27	13K/10	Grab	09G.W.S.031			Highly fractured, rusty weathering, chlorite-rich siltstone
GS-09-104	7741448	2009	257265	6060535	21	NAD27	13K/10	Grab	09G.W.S.032			Siliceous siltstone with disseminated pyrite and elevated radioactivity
GS-09-105	7741449	2009	256732	6059746	21	NAD27	13K/10	Grab	09G.W.S.035			Radioactive iron-carbonate altered basalt in chloritic shear zone
GS-09-106	7741451	2009	256673	6059771	21	NAD27	13K/10	Grab	09G.W.S.035			Radioactive basalt with network style pink carbonate veining
GS-09-107	7741452	2009	258297	6063691	21	NAD27	13K/10	Grab	09G.W.S.037			Sheared basalt elevated radioactivity
GS-09-109	7741454	2009	255520	6056423	21	NAD27	13K/10	Grab	09G.W.S.038			Semi consolidated till hosting anomalous radioactivity
GS-09-120	7741457	2009	242833	6042902	21	NAD27	13K/07	Grab	09G.W.S.046			Moderately brecciated hematite-albite-carbonate alteration
GS-09-122	7741459	2009	253090	6049593	21	NAD27	13K/10	Grab	09G.W.S.051			Pale green massive sandstone with up to 300 cps
GS-09-124	7741462	2009	248464	6049553	21	NAD27	13K/10	Grab	09G.W.S.053			Malachite staining in metabasalt
GS-09-125	7741463	2009	248449	6049512	21	NAD27	13K/10	Grab	09G.W.S.054			Hematized Heggart Lake sandstone; strong carbonate flooding associated with intense radioactivity
GS-09-126	7741464	2009	244661	6048734	21	NAD27	13K/10	Grab	09G.W.S.055			Dolomite hosting weak radioactivity
GS-09-130	7741465	2009	237755	6031039	21	NAD27	13K/06	Core	ML-MA-08	80.90	81.40	Weakly radioactive hematite alteration in ash flow tuff
GS-09-135	7741468	2009	237735	6030994	21	NAD27	13K/06	Core	ML-MA-02	50.00	50.55	Weakly altered, pale beige, ash flow tuff hosting anomalous radioactivity
GS-09-143	7741471	2009	248471	6049469	21	NAD27	13K/10	Core	ML-MH-04	67.22	67.62	Sandstone hosting finely disseminated chalcopyrite
GS-09-145	7741472	2009	248471	6049469	21	NAD27	13K/10	Core	ML-MH-04	40.00	40.50	Pale red, carbonate altered sandstone with up to 1200cps
GS-09-157	7741475	2009	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	23.31	23.83	Thinly-bedded, sulfide-rich shale
GS-09-161	7741476	2009	244671	6048643	21	NAD27	13K/10	Core	ML-A51-03	33.53	34.22	Brecciated dolostone with up to 340cps
GS-09-174	7741483	2009	240788	6041536	21	NAD27	13K/07	Core	ML-AR-09	159.55	160.00	Hematized-Fe-carbonate altered breccia with up to 400 cps
GS-09-207	7741492	2009	325484	6058120	21	NAD27	13J/12	Grab	09G.W.S.060			Pale grey to white albitized felsic metavolcanic
GS-09-211	7741495	2009	329703	6063083	21	NAD27	13J/12	Grab	09G.W.S.063			Strongly foliated, hematized, fine-grained, felsic metavolcanic
GS-09-213	7741496	2009	329703	6063083	21	NAD27	13J/12	Grab	09G.W.S.063			White weathering, less altered felsic metavolcanic
GS-09-221	7741503	2009	197049	6048209	21	NAD27	13K/05	Grab	N/A			Weakly radioactive conglomerate with up to 300 cps

Open File LAB/1692 - Appendix F1: Raw Data and Detection Limits - Actlabs: Ultratrace 4

SampleNum	LabNum	Rock Type	Analysis	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Cr	Cs	Co	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	Mg
Unit				ppm	wt.%	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	wt.%
Upper Detection Limit																											5.00				
Lower Detection Limit				0.05	0.01	0.1	1	0.1	0.02	0.01	0.1	0.1	0.5	0.05	0.1	0.2	0.1	0.1	0.05	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.5	0.1	0.01
Analysis Method				TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GS-08-216	7741359	Felsic volcanic	Actlabs: Ultratrace 4	0.08	7.29	7.9	208	6.6	0.28	0.54	0.1	165	37.0	0.93	0.8	10.0	15.8	11.8	0.85	1.76	31.5	12.0	0.6	12.3	3.7	0.1	0.33	79.8	76.3	1.9	0.78
GS-08-254	7741383	Amphibolite	Actlabs: Ultratrace 4	0.30	7.25	2.0	682	3.3	0.29	4.93	0.2	62.3	29.7	3.35	26.4	69.5	8.8	5.3	2.82	12.6	21.0	8.5	0.6	4.5	1.8	0.1	1.05	28.2	71.0	0.8	1.94
GS-08-260	7741387	Argillite	Actlabs: Ultratrace 4	1.10	8.36	43.9	248	2.0	0.33	4.08	0.4	42.7	85.0	1.65	28.0	290	4.8	3.3	1.44	10.5	26.7	6.0	0.9	4.1	1.3	0.1	1.06	17.3	68.0	0.1	4.24
GS-08-262	7741388	Argillite	Actlabs: Ultratrace 4	2.32	6.57	65.1	13	1.9	0.75	9.63	0.5	65.9	48.3	0.51	31.5	381	9.9	6.6	2.99	8.68	21.1	10.7	0.3	6.6	2.7	0.1	0.19	34.3	26.0	0.8	4.40
GS-08-268	7741394	Argillite	Actlabs: Ultratrace 4	1.20	8.17	114	211	2.2	0.25	2.23	-0.1	20.6	137	1.94	16.3	215	2.1	1.4	0.44	5.13	28.9	2.0	0.8	6.0	0.5	-0.1	1.31	9.1	21.9	0.3	0.99
GS-08-271	7741397	Argillite	Actlabs: Ultratrace 4	1.14	6.23	366	208	2.2	0.59	2.51	0.1	22.1	81.2	0.79	40.2	191	4.7	3.1	1.12	5.45	21.4	4.5	0.3	6.7	1.2	-0.1	0.78	8.8	26.5	0.1	1.44
GS-08-273	7741399	Argillite	Actlabs: Ultratrace 4	10.2	7.37	379	261	2.9	3.46	4.62	0.2	36.9	82.3	0.76	22.6	582	6.9	4.7	2.70	7.77	28.5	7.3	0.6	5.5	1.8	0.1	1.14	14.2	18.3	0.2	1.81
GS-08-274	7741401	Felsic volcanic	Actlabs: Ultratrace 4	14.2	6.51	35.9	102	1.7	0.79	0.36	17.3	118	20.0	0.55	1.2	31.2	10.9	7.0	2.52	2.93	20.3	9.5	0.7	9.8	2.3	-0.1	4.03	52.4	1.1	1.0	0.01
GS-08-276	7741403	Felsic volcanic	Actlabs: Ultratrace 4	4.35	6.38	50.9	159	2.3	0.05	1.78	24.5	105	21.3	0.48	6.8	18.8	13.1	8.3	2.41	3.05	29.5	10.6	0.6	10.7	2.8	0.2	2.80	39.0	9.2	1.1	0.22
GS-08-284	7741408	Felsic volcanic	Actlabs: Ultratrace 4	1.33	8.03	125	143	3.6	0.04	2.34	-0.1	109	15.2	-0.05	1.4	17.9	11.9	7.2	3.09	7.02	26.6	11.5	0.7	11.7	2.5	-0.1	0.05	47.5	4.5	1.1	0.16
GS-08-292	7741415	Felsic volcanic	Actlabs: Ultratrace 4	3.06	5.39	14.0	93	1.5	3.11	1.50	-0.1	49.0	6.0	2.40	5.9	347	19.7	15.4	0.86	5.67	20.5	10.3	0.3	16.8	4.7	0.1	2.32	20.5	11.7	2.3	0.25
GS-08-293	7741416	Felsic volcanic	Actlabs: Ultratrace 4	2.19	6.12	7.0	123	1.3	0.79	1.21	1.2	139	13.2	0.51	2.4	114	14.1	11.4	0.95	2.06	26.8	14.3	0.2	10.1	3.9	0.1	0.97	75.4	3.5	1.5	0.06
GS-08-303	7741422	Argillite	Actlabs: Ultratrace 4	2.88	3.21	10.9	44	1.1	0.60	0.44	0.3	38.2	104	0.10	17.6	350	4.0	2.8	2.38	11.1	9.9	5.2	0.3	1.0	1.1	0.1	0.02	21.1	15.0	0.4	1.30
GS-09-018	7741426	Hematite breccia	Actlabs: Ultratrace 4	0.50	8.02	0.7	202	1.3	0.19	4.05	0.2	17.7	18.6	0.10	5.0	248	1.0	0.5	0.61	1.34	18.7	1.5	0.5	1.5	0.2	-0.1	0.32	9.2	14.1	-0.1	0.98
GS-09-048	7741431	Granodiorite	Actlabs: Ultratrace 4	0.35	6.20	0.8	313	1.1	0.43	2.00	16.9	29.6	19.2	0.16	2.5	122	0.6	0.3	0.44	1.08	15.4	1.2	0.5	2.7	0.1	-0.1	0.75	16.0	5.8	-0.1	0.29
GS-09-054	7741432	Granodiorite	Actlabs: Ultratrace 4	0.23	8.94	-0.1	110	1.3	0.42	0.87	-0.1	29.4	19.2	0.48	16.8	115	2.3	1.1	1.19	3.64	19.1	3.2	0.5	1.0	0.4	-0.1	0.90	12.3	30.1	0.2	2.23
GS-09-059	7741436	Siltstone	Actlabs: Ultratrace 4	8.95	4.80	39.0	45	0.8	0.95	0.20	4.3	36.5	51.3	0.14	40.0	3000	2.0	0.8	1.06	5.01	15.3	1.9	0.3	2.3	0.3	-0.1	0.24	19.8	27.5	0.1	0.86
GS-09-060	7741437	Siltstone	Actlabs: Ultratrace 4	14.1	7.29	67.1	64	0.8	0.89	0.13	0.2	45.7	122	0.18	35.9	1630	3.5	1.6	2.08	9.02	25.2	3.6	0.3	5.0	0.6	-0.1	0.43	23.0	35.8	0.2	1.32
GS-09-062	7741439	Siltstone	Actlabs: Ultratrace 4	0.90	7.11	83.6	109	3.9	0.08	2.34	0.2	151	700	4.88	114	337	17.2	9.1	8.23	4.09	43.5	23.3	1.6	15.1	3.3	0.1	-5.00	65.9	60.6	1.3	1.51
GS-09-070	7741442	Granodiorite	Actlabs: Ultratrace 4	0.10	4.72	40.3	153	2.6	0.27	13.6	-0.1	38.5	79.8	0.05	24.0	307	110	103	8.06	2.48	14.3	49.4	0.6	0.2	29.7	-0.1	0.10	12.7	6.6	13.6	0.53
GS-09-102	7741446	Tonalite	Actlabs: Ultratrace 4	0.79	8.58	4.4	109	1.7	0.55	5.36	0.1	37.6	18.6	0.10	14.9	891	2.5	1.2	1.16	3.59	24.5	3.6	0.5	1.0	0.5	-0.1	0.37	15.0	28.1	0.1	1.43
GS-09-103	7741447	Siltstone	Actlabs: Ultratrace 4	0.61	6.65	29.6	71	2.1	0.05	5.26	0.4	17.7	39.3	0.45	24.9	128	5.8	3.5	1.28	7.69	17.9	4.5	0.4	18.8	1.2	-0.1	0.87	6.2	17.1	0.5	1.82
GS-09-104	7741448	Siltstone	Actlabs: Ultratrace 4	0.32	0.58	11.0	13	1.2	0.10	7.50	0.2	22.7	40.3	0.15	8.8	88.0	2.6	1.5	0.62	12.7	2.1	2.5	0.2	1.6	0.5	-0.1	0.17	9.5	4.2	0.2	2.08
GS-09-105	7741449	Basalt	Actlabs: Ultratrace 4	0.14	7.30	15.5	20	3.2	0.06	2.77	0.2	17.3	68.5	3.12	63.0	228	7.0	4.2	2.22	19.1	18.4	6.1	0.8	4.3	1.5	0.1	0.03	5.9	31.7	0.7	5.65
GS-09-106	7741451	Basalt	Actlabs: Ultratrace 4	0.09	6.51	13.0	36	2.0	-0.02	3.98	0.1	17.4	57.0	1.79	46.3	161	5.1	2.8	1.86	11.9	15.1	4.7	0.4	2.1	1.0	-0.1	0.04	7.2	33.8	0.3	2.62
GS-09-107	7741452	Basalt	Actlabs: Ultratrace 4	0.31	7.13	12.0	43	1.4	-0.02	8.36	0.2	6.3	91.7	0.87	34.5	121	3.8	2.6	1.00	5.99	14.3	2.6	0.1	2.5	0.9	-0.1	0.10	2.5	23.6	0.4	2.47
GS-09-109	7741454	Surficial till	Actlabs: Ultratrace 4	0.14	6.49	1.1	285	2.4	0.37	5.70	0.4	74.6	27.4	1.43	8.8	19.5	6.1	3.6	1.23	2.82	17.0	6.0	1.2	5.9	1.3	-0.1	2.12	42.7	14.1	0.6	0.58
GS-09-120	7741457	Breccia	Actlabs: Ultratrace 4	5.03	4.47	7.8	38	1.2	-0.02	7.80	0.3	5.1	162	0.16	49.4	661	2.5	1.5	0.63	6.05	13.0	2.1	0.7	1.4	0.5	-0.1	0.13	1.9	4.6	0.2	2.90
GS-09-122	7741459	Sandstone	Actlabs: Ultratrace 4	-0.05	3.94	19.2	643	1.2	0.21	3.60	0.1	39.2	27.6	1.33	5.7	17.2	2.6	1.4	0.54	2.40	5.9	2.8	0.2	3.1	0.5	-0.1	0.95	20.5	21.0	0.2	1.07
GS-09-124	7741462	Basalt	Actlabs: Ultratrace 4	4.10	7.33	-0.1	13	0.7	2.59	7.05	-0.1	9.7	80.7	0.41	58.6	5130	5.5	2.7	1.25	8.06	16.8	5.0	0.4	0.6	1.1	-0.1	0.10	4.3	62.0	0.3	3.93
GS-09-125	7741463	Sandstone	Actlabs: Ultratrace 4	0.68	5.17	26.0	443	2.7	0.61	4.00	0.2	52.8	26.1	2.28	16.8	97.3	8.2	4.1	2.10	2.40	11.3	8.2	0.3	0.2	1.6	-0.1	1.34	19.3	55.4	0.4	1.00
GS-09-126	7741464	Dolostone	Actlabs: Ultratrace 4	0.43	2.62	21.1	239	1.6	0.29	13.1	0.1	29.3	13.1	1.27	8.1	55.6	3.4	1.7	1.11	1.59	5.1	4.3	0.1	-0.1	0.7	-0.1	1.46	14.0	27.9	0.2	5.91
GS-09-130	7741465	Felsic volcanic	Actlabs: Ultratrace 4	0.19	2.28	15.9	39	1.2	0.03	15.6	-0.1	40.6	14.2	0.84	2.0	4.9	2.2	1.3	0.38	1.30	4.9	2.7	0.2	0.3	0.5	-0.1	1.53	22.3	8.8	0.2	7.06
GS-09-135	7741468	Felsic volcanic	Actlabs: Ultratrace 4	8.98	7.12	8.4	70	2.7	0.09	0.43	-0.1	153	10.3	4.18	1.0	17.2	7.0	4.4	0.34	1.11	19.4	7.5	1.1	5.2	1.5	-0.1	3.61	74.3	24.3	0.7	0.14
GS-09-143	7741471	Sandstone	Actlabs: Ultratrace 4	2.56	4.17	127	280	1.5	0.32	6.36	-0.1	47.2	15.1	1.35	12.8	479	4.8	2.6	1.18	1.46	7.5	4.8	0.6	4.6	0.9	-0.1	1.70	22.2	27.1	0.4	0.21
GS-09-145	7741472	Sandstone	Actlabs: Ultratrace 4	0.67	4.37	44.3	392	1.9	1.07	6.94	0.2	42.0	65.2	1.88	15.7	35.5	4.4	2.4	0.89	1.51	9.5	4.4	0.6	3.8	0.9	-0.1	1.82	17.9	31.5	0.3	0.90
GS-09-157	7741475	Argillite	Actlabs: Ultratrace 4	0.19	7.46	34.6	520	1.6	0.09	3.53	0.3	37.5	55.7	1.97	14.6	56.2	2.4	1.4	0.69	4.51	16.1	2.7	0.4	3.8	0.5	-0.1	-5.00	21.8	7.9	0.2	1.66
GS-09-161	7741476	Dolostone	Actlabs: Ultratrace 4	0.21	1.05	5.3	95	0.8	-0.02	18.9	0.3	12.8	21.0	0.52	3.1	5.5	2.8	1.7	0.63	1.80	2.2	2.8	0.2	0.3	0.6	-0.1	0.95	10.5	10.9	0.2	9.33
GS-09-174	7741483	Fe-carb./hem. alt.	Actlabs: Ultratrace 4	0.08	4.20	8.6	202	0.9	-0.02	8.24	0.2	6.2	119	0.18	39.9	2.8	2.5	1.5	0.59	5.76	8.6	2.1	0.6	1.1	0.5	-0.1	0.34	2.4	1.7	0.2	3.17
GS-09-207	7741492	Felsic volcanic	Actlabs: Ultratrace 4	3.13	5.65	5.5	90	7.3	0.85	0.20	2.0	153	14.3	-0.05	1.5	293	7.4	5.0	0.49	1.18	20.2	7.5	0.5	8.2	1.7	-0.1	0.10	83.3	6.3	0.9	0.07
GS-09-211	7741495	Felsic volcanic	Actlabs: Ultratrace 4	0.15	8.92	2.9	105	9.6	0.15	1.79	0.1	54.2	11.3	0.17	9.1	6.6	2.7	1.5	0.58	1.79	26.5	3.1	0.6	4.2	0.6	-0.1	0.29	27.8	58.0	0.2	0.96
GS-09-213	7741496	Felsic volcanic	Actlabs: Ultratrace 4	0.64	6.07	5.4	46	5.7	0.32	0.33	-0.1	22.4	11.5	0.08	3.4	11.2	1.4	0.9	0.23	1.18	14.8	1.3	0.7	1.8	0.3	-0.1	0.09	11.3	25.8	0.1	0.25
GS-09-221	7741503	Conglomerate	Actlabs: Ultratrace 4	-0.05	3.48	2.5	412	0.4	0.02	0.49	-0.1	59.1	20.9	0.22	3.1	1.7	2.1	1.3	0.69	1.51	6.1	2.2	0.7	0.6	0.4	-0.1	1.72	31.0	-0.5	0.2	0.04

Open File LAB/1692 - Appendix F1: Raw Data and Detection Limits - Actlabs: Ultratrace 4

SampleNum	LabNum	Mn	Mo	Na	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit		ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit			10000	3.00				5000												200			10000	1000					
Lower Detection Limit		1	0.1	0.001	0.1	0.1	0.5	0.5	0.1	0.2	0.001	0.1	0.1	0.1	1	0.2	0.1	0.1	0.1	0.1	0.05	0.1	0.1	1	0.1	0.1	0.1	0.2	1
Analysis Method		TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GS-08-216	7741359	424	35.8	-3.00	38.1	74.5	1.1	41.8	21.0	54.7	0.040	-0.1	2.9	14.4	16	25.5	3.4	2.1	0.4	32.5	0.29	1.9	87.2	11	1.0	130	12.5	98.3	361
GS-08-254	7741383	2240	65.1	-3.00	3.0	37.9	7.6	68.0	8.7	55.5	0.041	-0.1	2.6	8.4	-1	414	-0.1	1.3	0.4	7.2	0.72	0.8	161	120	0.1	54.7	5.1	416	233
GS-08-260	7741387	1910	204	1.28	6.1	22.9	52.7	1030	6.7	79.1	0.658	0.2	2.0	5.1	3	80.6	0.2	0.9	0.2	8.4	0.97	0.5	2320	294	0.9	30.8	2.2	226	273
GS-08-262	7741388	1690	416	0.331	10.3	37.7	62.3	-5000	10.6	14.6	9.78	1.3	2.4	8.3	4	159	0.4	1.8	0.3	23.1	0.39	0.9	-10000	438	18.5	69.8	5.7	195	729
GS-08-268	7741394	610	2830	-3.00	16.0	11.1	28.4	552	2.7	35.2	1.31	1.2	23	2.4	3	134	0.7	0.3	0.4	5.5	2.30	0.2	608	425	15.5	12.6	1.6	119	252
GS-08-271	7741397	929	80.5	-3.00	13.1	14.8	69.5	1170	4.2	30.3	0.332	0.6	1.6	3.6	4	262	0.7	0.8	0.1	5.8	0.62	0.4	2960	196	5.1	21.2	2.2	128	364
GS-08-273	7741399	1390	633	2.42	6.1	22.8	25.5	4650	6.5	50.9	1.68	0.7	2.3	5.5	4	143	0.1	1.2	0.1	45.2	0.75	0.6	-10000	337	3.4	41.6	3.3	153	560
GS-08-274	7741401	490	881	-3.00	23.2	58.7	4.7	2960	15.2	121	0.006	10.7	3.5	10.8	3	81.6	0.8	1.5	0.5	5.9	10.6	1.1	177	5	1.9	75.8	6.7	4630	449
GS-08-276	7741403	1890	3770	-3.00	24.0	58.4	6.0	1440	14.7	86.7	2.26	6.7	3.0	11.3	5	118	0.8	1.8	0.5	5.7	6.32	1.2	998	7	2.2	91.3	7.5	4800	515
GS-08-284	7741408	648	1580	-3.00	26.1	64.2	1.5	113	15.0	-0.2	0.019	0.5	2.8	13.2	3	69.0	0.9	1.8	0.4	5.4	0.24	1.1	43.5	-1	1.9	82.2	7.0	31.3	523
GS-08-292	7741415	1030	-10000	-3.00	46.3	27.2	4.8	2460	6.2	52.5	1.10	0.7	4.5	8.4	8	119	1.8	2.3	1.7	23.7	2.70	2.4	1080	1	6.5	127	15.3	97.0	984
GS-08-293	7741416	597	6010	-3.00	22.8	77.8	1.3	955	24.3	27.7	0.056	0.7	1.7	13.3	2	101	1.2	2.4	0.3	15.4	0.76	1.7	860	4	1.3	85.1	11.4	135	520
GS-08-303	7741422	1570	138	0.946	5.2	21.8	47.5	1570	6.4	-0.2	0.252	7.3	6.2	4.1	3	19.6	0.1	0.7	1.7	5.9	-0.05	0.4	2890	455	4.4	25.7	2.5	130	62
GS-09-018	7741426	297	7.0	-3.00	2.2	9.2	16.0	173	2.4	4.2	0.004	-0.1	1.1	1.7	-1	327	0.1	0.2	0.2	1.2	-0.05	-0.1	684	31	4.8	6.1	0.4	44.8	46
GS-09-048	7741431	229	0.3	-3.00	2.0	9.1	3.5	1660	2.8	11.6	-0.001	-0.1	0.9	1.4	-1	134	0.1	0.1	-0.1	3.3	0.09	-0.1	285	13	1.2	3.1	0.2	1240	88
GS-09-054	7741432	383	0.3	-3.00	4.4	17.2	22.7	92.1	4.0	22.8	-0.001	-0.1	0.9	3.6	-1	133	0.2	0.4	0.1	0.3	0.11	0.2	478	330	0.6	11.2	1.1	102	32
GS-09-059	7741436	150	134	-3.00	4.0	13.7	92.6	216	4.0	2.5	0.108	3.6	7.1	2.3	-1	51.0	0.3	0.3	0.2	1.8	0.57	0.1	304	118	0.6	5.7	0.8	358	80
GS-09-060	7741437	212	254	-3.00	10.3	20.1	164	276	5.5	6.0	0.119	3.9	13	4.1	1	45.2	0.8	0.6	0.3	4.9	0.82	0.2	504	187	1.1	15.5	1.5	80.6	170
GS-09-062	7741439	110	33.4	0.343	21.1	101	534	128	22.7	105	0.033	12.6	3.2	23.1	2	96.3	0.7	3.0	0.4	5.8	3.36	1.3	346	574	0.3	115	8.2	73.8	554
GS-09-070	7741442	372	1.4	-3.00	0.7	37.0	32.8	172	6.9	0.4	-0.001	-0.1	9.7	21.9	-1	438	-0.1	12.5	0.2	-200	-0.05	16.5	710	257	-0.1	784	99.8	29.4	14
GS-09-102	7741446	802	0.4	-3.00	0.5	23.1	24.2	459	5.3	5.7	0.005	-0.1	0.8	4.2	-1	222	-0.1	0.5	0.1	2.6	-0.05	0.2	2160	255	-0.1	12.2	1.0	111	53
GS-09-103	7741447	2130	0.9	-3.00	5.0	10.8	34.8	881	2.4	7.0	0.002	6.5	1.7	3.2	2	159	0.3	0.8	1.9	3.0	0.11	0.5	2600	389	11.6	32.0	3.4	49.3	3420
GS-09-104	7741448	6960	18.0	0.025	1.2	8.2	28.3	305	2.1	3.3	0.081	14.5	1.5	1.9	-1	175	-0.1	0.4	1.3	0.6	0.11	0.2	1420	319	4.3	15.9	1.2	59.3	876
GS-09-105	7741449	2250	1.2	0.036	5.0	13.1	90.1	139	2.6	1.1	0.026	0.3	1.9	4.2	1	37.9	0.3	1.0	0.5	0.8	-0.05	0.6	545	319	1.6	36.0	4.2	180	492
GS-09-106	7741451	2430	0.1	1.69	0.8	11.8	64.9	195	2.5	1.0	0.003	-0.1	1.8	3.5	-1	67.2	-0.1	0.8	0.1	0.4	-0.05	0.4	716	219	0.1	26.7	2.2	129	108
GS-09-107	7741452	968	0.1	-3.00	1.7	4.5	63.3	1310	0.9	0.9	-0.001	0.4	1.6	1.6	-1	140	-0.1	0.5	0.9	0.3	-0.05	0.4	3380	201	0.1	22.5	2.5	48.1	1590
GS-09-109	7741454	780	0.2	0.732	7.8	31.2	21.4	220	8.9	42.1	-0.001	0.7	1.1	5.9	3	334	0.6	1.0	0.3	13.6	0.45	0.5	321	55	0.3	34.7	3.7	32.2	217
GS-09-120	7741457	1140	1.3	-3.00	1.6	3.8	121	549	0.8	1.7	0.001	3.6	1.4	1.3	-1	186	-0.1	0.4	0.2	0.4	-0.05	0.2	1140	-1000	5.0	13.8	1.4	114	125
GS-09-122	7741459	486	0.4	0.089	4.7	14.9	11.1	29.0	4.3	24.6	0.001	5.1	0.9	2.7	1	88.1	0.3	0.4	0.2	6.2	0.46	0.2	78.1	28	1.3	12.9	1.3	56.9	106
GS-09-124	7741462	1550	0.4	2.59	0.1	8.4	104	4.0	1.6	1.3	0.082	0.2	2.1	3.3	-1	72.8	-0.1	0.8	0.1	0.4	-0.05	0.4	7.2	144	-0.1	28.6	2.2	89.9	22
GS-09-125	7741463	590	0.4	0.066	3.3	30.4	25.4	298	7.6	36.0	0.004	3.1	2.1	7.8	1	46.9	0.1	1.3	0.1	8.1	0.63	0.5	1740	184	1.3	39.6	3.2	112	17
GS-09-126	7741464	1440	2.1	0.072	0.2	16.8	16.6	181	4.1	30.3	0.004	0.6	1.4	3.7	-1	85.6	-0.1	0.6	-0.1	4.6	0.59	0.2	1120	101	1.3	23.8	1.4	49.5	6
GS-09-130	7741465	1760	4.2	0.980	2.8	15.2	9.5	76.3	4.5	37.3	0.001	0.3	0.7	2.5	-1	90.3	-0.1	0.4	-0.1	6.0	0.63	0.2	45.5	36	0.5	17.8	1.1	35.8	17
GS-09-135	7741468	154	3.3	2.42	7.0	55.7	1.6	80.6	16.8	92.4	0.004	0.3	1.4	9.0	2	12.8	0.3	1.1	-0.1	22.8	0.66	0.7	394	32	0.7	40.1	4.5	18.8	184
GS-09-143	7741471	411	167	0.064	5.8	20.7	9.4	139	5.5	33.4	0.352	3.7	1.5	4.2	1	48.4	0.4	0.7	0.1	8.6	1.35	0.4	408	29	1.6	26.2	2.5	12.3	142
GS-09-145	7741472	1190	1.1	0.060	5.3	19.7	13.7	320	5.4	38.5	0.002	2.9	7.4	4.2	2	86.6	0.4	0.7	0.2	8.3	0.56	0.3	2460	225	1.5	24.8	2.2	42.4	123
GS-09-157	7741475	632	10.7	1.35	5.2	15.4	71.4	19.8	4.5	105	0.005	2.8	2.4	2.7	1	83.6	0.4	0.4	0.1	6.0	4.75	0.2	22.5	157	0.6	14.3	1.3	84.4	132
GS-09-161	7741476	3330	2.3	0.061	1.1	7.8	15.9	38.7	1.9	19.6	0.003	0.2	1.1	1.6	-1	70.9	-0.1	0.4	-0.1	1.2	0.49	0.2	75.3	70	0.2	30.9	1.2	49.8	15
GS-09-174	7741483	1340	0.8	-3.00	1.6	4.5	83.2	176	0.9	5.1	0.001	8.0	1.2	1.4	-1	196	-0.1	0.4	0.1	1.0	0.09	0.2	911	346	3.0	12.9	1.4	76.0	50
GS-09-207	7741492	430	0.3	-3.00	17.6	54.1	1.2	1210	16.6	0.7	0.002	1.7	6.1	7.8	4	22.6	0.7	1.1	0.2	17.0	-0.05	0.8	1300	187	1.6	53.3	5.8	696	360
GS-09-211	7741495	911	0.2	-3.00	11.3	20.0	20.1	60.0	5.8	8.5	0.001	0.8	1.0	3.4	2	83.7	1.1	0.4	0.1	13.8	-0.05	0.2	354	253	0.7	15.2	1.5	105	160
GS-09-213	7741496	167	0.3	-3.00	4.9	8.5	7.3	19.3	2.5	1.2	0.001	0.8	0.9	1.5	1	9.5	0.4	0.2	-0.1	9.6	-0.05	0.1	140	69	3.7	8.3	1.0	33.3	80
GS-09-221	7741503	55	-0.1	1.42	0.4	18.3	5.8	7.7	5.9	24.8	-0.001	-0.1	0.6	2.6	-1	112	-0.1	0.3	-0.1	10.4	0.24	0.2	3.8	31	-0.1	11.4	1.4	3.0	50

Open File LAB/1692 - Appendix F2: Duplicates Data and Detection Limits - Actlabs: Ultratrace 4

DuplicateID	Control	AnalysisYr	Analysis	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit				ppm	wt.%	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm
Upper Detection Limit					10																									
Lower Detection Limit				0.05	0.01	0.1	1	0.1	0.02	0.01	0.1	0.1	0.1	0.5	0.05	0.2	0.1	0.1	0.05	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.5	0.1
Analysis Method				TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
for 6 samples GS-08-260 to 303																														
GS-08-262 Orig	original	2008	Actlabs: Ultratrace 4	2.32	6.70	70.0	13	1.9	0.71	9.80	0.5	66.9	32.2	43.5	0.51	387	10	6.6	3.02	8.92	21.4	10.6	0.3	6.8	2.7	0.1	0.20	34.9	26.3	0.8
GS-08-262 Dup	duplicate	2008	Actlabs: Ultratrace 4	2.33	6.45	60.2	13	1.9	0.80	9.46	0.5	64.8	30.7	53.2	0.51	374	9.7	6.6	2.96	8.45	20.9	10.8	0.2	6.3	2.6	0.1	0.19	33.7	25.6	0.8
for 30 samples GS-09-018 to 221																														
GS-09-059 Orig	original	2009	Actlabs: Ultratrace 4	8.88	5.44	38.6	52	0.8	0.93	0.21	4.1	41.5	39.5	58.8	0.16	2960	2.1	0.9	1.18	5.03	15.1	2.1	0.3	2.3	0.4	-0.1	0.26	23.9	27.1	0.1
GS-09-059 Dup	duplicate	2009	Actlabs: Ultratrace 4	9.02	4.17	39.4	39	0.7	0.97	0.18	4.4	31.4	40.4	43.8	0.12	3040	1.9	0.8	0.95	5.00	15.5	1.7	0.2	2.4	0.3	-0.1	0.22	15.7	27.8	0.1
GS-09-221 Orig	original	2009	Actlabs: Ultratrace 4	-0.05	3.48	2.5	412	0.4	0.02	0.49	-0.1	59.1	3.1	20.9	0.22	1.7	2.1	1.3	0.69	1.51	6.1	2.2	0.7	0.6	0.4	-0.1	1.72	31.0	-0.5	0.2
GS-09-221 Split	split	2009	Actlabs: Ultratrace 4	-0.05	3.62	2.5	415	0.5	0.03	0.50	-0.1	62.2	3.2	24.2	0.22	2.2	2.1	1.4	0.73	1.62	8.0	2.4	0.7	0.9	0.4	-0.1	1.66	32.1	-0.5	0.2

Open File LAB/1692 - Appendix F2: Duplicates Data and Detection Limits - Actlabs: Ultratrace 4

DuplicateID	Mg	Mn	Mo	Na	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit				3.00				5000												200			10000						
Lower Detection Limit	0.01	1	0.1	0.001	0.1	0.1	0.5	0.5	0.1	0.2	0.001	0.1	0.1	0.1	1	0.2	0.1	0.1	0.1	0.1	0.05	0.1	0.1	1	0.1	0.1	0.1	0.2	1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
for 6 samples GS-08-26(																													
GS-08-262 Orig	4.49	1750	417	0.336	10.1	38.6	62.8	-5000	10.7	15.3	9.95	1.4	2.3	8.5	4	162	0.4	1.8	0.3	23.3	0.40	0.9	-10000	445	17.4	71.0	5.8	198	744
GS-08-262 Dup	4.31	1630	415	0.326	10.4	36.7	61.7	-5000	10.6	13.9	9.62	1.3	2.6	8.0	4	156	0.4	1.7	0.2	22.9	0.38	0.9	-10000	431	19.5	68.5	5.5	193	714
for 30 samples GS-09-0																													
GS-09-059 Orig	0.88	149	133	-3.00	3.9	15.5	91.0	212	4.6	4.1	0.103	3.4	7.1	2.6	-1	51.5	0.3	0.4	0.1	2.3	0.56	0.1	309	115	0.6	6.5	0.8	349	79
GS-09-059 Dup	0.85	151	135	-3.00	4.0	12.0	94.2	221	3.5	0.9	0.112	3.9	7.1	2.1	-1	50.4	0.3	0.3	0.2	1.4	0.57	0.1	299	121	0.6	4.9	0.8	367	82
GS-09-221 Orig	0.04	55	-0.1	1.42	0.4	18.3	5.8	7.7	5.9	24.8	-0	-0.1	0.6	2.6	-1	112	-0.1	0.3	-0.1	10.4	0.24	0.2	3.8	31	-0.1	11.4	1.4	3.0	50
GS-09-221 Split	0.04	62	-0.1	1.50	0.6	19.6	6.5	8.6	6.4	24.1	0.001	-0.1	0.9	2.8	-1	117	-0.1	0.3	-0.1	11.3	0.26	0.2	3.9	17	-0.1	11.9	1.5	4.0	53

Open File LAB/1692 - Appendix F3: Standards Data and Detection Limits - Actlabs: Ultratrace 4

StandardID	Control	AnalysisYr	Analysis	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit				ppm	wt.%	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm
Upper Detection Limit					10																									
Lower Detection Limit				0.05	0.01	0.1	1	0.1	0.02	0.01	0.1	0.1	0.1	0.5	0.05	0.2	0.1	0.1	0.05	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.5	0.1
Analysis Method				TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
for 6 samples GS-08-260 to 303																														
GXR-1 Meas	standard	2008	Actlabs: Ultratrace 4	31.3	2.18	391	745	1.1	1220	0.83	2.4	15.3	7.2	17.4	2.79	1050	4.4	-99	0.67	23.5	7.5	4.6	-99	-0.1	-99	0.9	0.04	7.6	8.1	-0.1
GXR-1 Cert	certified	2008	Actlabs: Ultratrace 4	31.0	3.52	427	750	1.22	1380	0.96	3.3	17.0	8.2	12.0	3.00	1110	4.3	-99	0.69	23.6	13.8	4.2	-99	0.96	-99	0.77	0.05	7.5	8.2	0.28
GXR-4 Meas	standard	2008	Actlabs: Ultratrace 4	3.50	6.44	95.6	862	2.3	13.4	1.01	0.1	101	14.3	44.9	2.78	6210	2.6	-99	1.61	3.01	18.0	5.1	-99	0.4	-99	0.3	3.97	58.2	10.4	-0.1
GXR-4 Cert	certified	2008	Actlabs: Ultratrace 4	4.00	7.20	98.0	1640	1.9	19.0	1.01	0.86	102	14.6	64.0	2.80	6520	2.6	-99	1.63	3.09	20.0	5.25	-99	6.3	-99	0.27	4.01	64.5	11.1	0.17
GXR-2 Meas	standard	2008	Actlabs: Ultratrace 4	16.9	8.56	25.9	1850	1.5	1.13	0.74	3.9	35.9	8.5	74.6	4.45	84.1	1.9	-99	0.57	1.73	29.3	2.5	-99	3.2	-99	0.1	1.24	16.3	53.7	-0.1
GXR-2 Cert	certified	2008	Actlabs: Ultratrace 4	17.0	16.5	25.0	2240	1.7	0.69	0.93	4.1	51.4	8.6	36.0	5.20	76.0	3.3	-99	0.81	1.86	37.0	3.3	-99	8.3	-99	0.25	1.37	25.6	54.0	0.27
GXR-6 Meas	standard	2008	Actlabs: Ultratrace 4	0.37	-10	262	1420	1.3	4.82	0.20	-0.1	35.7	14.1	67.8	4.65	72.2	2.3	-99	0.75	5.78	34.6	2.7	-99	1.7	-99	0.1	1.91	13.9	36.1	-0.1
GXR-6 Cert	certified	2008	Actlabs: Ultratrace 4	1.30	17.7	330	1300	1.4	0.29	0.18	1.0	36.0	13.8	96.0	4.20	66.0	2.8	-99	0.76	5.58	35.0	2.97	-99	4.3	-99	0.26	1.87	13.9	32.0	0.33
Method Blank	blank	2008	Actlabs: Ultratrace 4	-0.05	-0.01	-0.1	-1	-0.1	-0.02	-0.01	-0.1	-0.1	-0.1	-0.5	-0.05	-0.2	-0.1	-0.1	-0.05	-0.01	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.01	-0.1	-0.5	-0.1
for 6 samples GS-08-216 to 292																														
GXR-1 Meas	standard	2009	Actlabs: Ultratrace 4	30.2	1.86	411	686	0.9	1270	0.81	2.4	15.7	7.5	9.1	2.87	1260	4.7	-99	0.60	23.4	6.4	4.1	-99	0.4	-99	0.8	0.04	8.0	7.6	0.3
GXR-1 Cert	certified	2009	Actlabs: Ultratrace 4	31.0	3.52	427	750	1.22	1380	0.96	3.3	17.0	8.2	12.0	3.00	1110	4.3	-99	0.69	23.6	13.8	4.2	-99	0.96	-99	0.77	0.05	7.5	8.2	0.28
DH-1a Meas	standard	2009	Actlabs: Ultratrace 4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DH-1a Cert	certified	2009	Actlabs: Ultratrace 4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Meas	standard	2009	Actlabs: Ultratrace 4	-0.05	9.95	-0.1	108	0.3	-0.02	8.19	-99	8.0	61.3	183	0.21	102	2.8	1.9	0.62	7.67	14.6	2.1	0.8	1.0	0.6	-99	0.20	3.7	4.4	0.3
DNC-1 Cert	certified	2009	Actlabs: Ultratrace 4	0.03	9.69	0.2	114	1.0	0.02	8.06	-99	10.6	54.7	285	0.34	96.0	2.7	2.0	0.59	6.94	15.0	2.0	1.3	1.01	0.62	-99	0.19	3.8	5.2	0.32
GXR-4 Meas	standard	2009	Actlabs: Ultratrace 4	3.12	6.32	119	627	1.8	19.2	0.97	0.2	100	13.3	64.1	2.43	6120	2.5	-99	1.48	2.99	20.2	4.6	-99	1.2	-99	0.2	4.00	54.1	10.4	0.1
GXR-4 Cert	certified	2009	Actlabs: Ultratrace 4	4.00	7.20	98.0	1640	1.9	19.0	1.01	0.86	102	14.6	64.0	2.80	6520	2.6	-99	1.63	3.09	20.0	5.25	-99	6.3	-99	0.27	4.01	64.5	11.1	0.17
GXR-2 Meas	standard	2009	Actlabs: Ultratrace 4	17.1	-10	28.5	1990	1.8	0.28	1.00	3.7	50.9	9.3	43.0	5.12	103	2.8	-99	0.71	2.04	32.6	3.2	-99	3.5	-99	-0.1	1.46	25.2	68.8	0.2
GXR-2 Cert	certified	2009	Actlabs: Ultratrace 4	17.0	16.5	25.0	2240	1.7	0.69	0.93	4.1	51.4	8.6	36.0	5.20	76.0	3.3	-99	0.81	1.86	37.0	3.3	-99	8.3	-99	0.25	1.37	25.6	54.0	0.27
SDC-1 Meas	standard	2009	Actlabs: Ultratrace 4	-0.05	7.88	-0.1	624	2.3	0.25	1.00	-0.1	-99	17.4	49.3	-99	34.4	-99	-99	-99	4.69	-99	-99	-99	-99	-99	-99	-99	1.95	-99	32.2	-99
SDC-1 Cert	certified	2009	Actlabs: Ultratrace 4	0.04	8.34	0.22	630	3.0	2.60	1.00	0.08	-99	17.9	64.0	-99	30.0	-99	-99	-99	4.82	-99	-99	-99	-99	-99	-99	2.72	-99	34.0	-99
SCO-1 Meas	standard	2009	Actlabs: Ultratrace 4	0.11	6.93	8.0	566	1.7	0.35	1.89	0.1	-99	11.1	51.8	-99	35.1	-99	-99	-99	3.64	-99	-99	-99	-99	-99	-99	1.67	-99	42.5	-99
SCO-1 Cert	certified	2009	Actlabs: Ultratrace 4	0.13	7.24	12.4	570	1.84	0.37	1.87	0.14	-99	10.5	68.0	-99	28.7	-99	-99	-99	3.59	-99	-99	-99	-99	-99	-99	2.30	-99	45.0	-99
GXR-6 Meas	standard	2009	Actlabs: Ultratrace 4	0.31	-10	284	1410	1.3	0.14	0.19	0.1	35.4	13.4	76.2	4.00	79.9	2.3	-99	0.65	5.66	37.2	2.3	-99	2.0	-99	-0.1	1.95	13.3	40.3	0.2
GXR-6 Cert	certified	2009	Actlabs: Ultratrace 4	1.30	17.7	330	1300	1.4	0.29	0.18	1.0	36.0	13.8	96.0	4.20	66.0	2.8	-99	0.76	5.58	35.0	2.97	-99	4.3	-99	0.26	1.87	13.9	32.0	0.33
OREAS 13P Meas	standard	2009	Actlabs: Ultratrace 4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2470	-99	-99	-99	7.56	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	certified	2009	Actlabs: Ultratrace 4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2500	-99	-99	-99	7.58	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	blank	2009	Actlabs: Ultratrace 4	-0.05	-0.01	-0.1	-1	-0.1	-0.02	-0.01	-0.1	-0.1	-0.1	-0.5	-0.05	-0.2	-0.1	-0.1	-0.05	-0.01	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.01	-0.1	-0.5	-0.1
for 30 samples GS-09-018 to 221																														
GXR-1 Meas	standard	2009	Actlabs: Ultratrace 4	31.4	1.15	416	605	0.9	1410	0.85	2.4	8.1	8.1	11.3	1.92	1180	2.4	-99	0.34	23.7	12.8	2.1	-99	0.4	-99	0.8	0.07	3.7	6.7	0.1
GXR-1 Cert	certified	2009	Actlabs: Ultratrace 4	31.0	3.52	427	750	1.22	1380	0.96	3.3	17.0	8.2	12.0	3.00	1110	4.3	-99	0.69	23.6	13.8	4.2	-99	0.96	-99	0.77	0.05	7.5	8.2	0.28
DH-1a Meas	standard	2009	Actlabs: Ultratrace 4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DH-1a Cert	certified	2009	Actlabs: Ultratrace 4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
DNC-1 Meas	standard	2009	Actlabs: Ultratrace 4	-0.05	10.0	1.2	99	0.2	-0.02	7.71	-99	7.4	58.2	162	0.20	101	2.8	1.9	0.58	6.83	13.8	2.0	0.6	1.1	0.6	-99	0.39	3.5	4.8	0.3
DNC-1 Cert	certified	2009	Actlabs: Ultratrace 4	0.03	9.69	0.2	114	1.0	0.02	8.06	-99	10.6	54.7	285	0.34	96.0	2.7	2.0	0.59	6.94	15.0	2.0	1.3	1.01	0.62	-99	0.19	3.8	5.2	0.32
GXR-4 Meas	standard	2009	Actlabs: Ultratrace 4	3.29	6.76	98.9	331	1.9	19.1	0.99	0.1	99.5	14.4	61.7	2.55	6370	2.8	-99	1.41	3.00	16.4	4.5	-99	1.5	-99	0.2	3.00	55.4	11.0	0.1
GXR-4 Cert	certified	2009	Actlabs: Ultratrace 4	4.00	7.20	98.0	1640	1.9	19.0	1.01	0.86	102	14.6	64.0	2.80	6520	2.6	-99	1.63	3.09	20.0	5.25	-99	6.3	-99	0.27	4.01	64.5	11.1	0.17
GXR-2 Meas	standard	2009	Actlabs: Ultratrace 4	18.0	-10	26.8	2090	1.5	0.31	0.90	3.8	46.6	9.1	37.8	5.17	84.7	2.9	-99	0.71	1.81	25.1	3.2	-99	4.2	-99	-0.1	1.38	23.1	57.7	0.2
GXR-2 Cert	certified	2009	Actlabs: Ultratrace 4	17.0	16.5	25.0	2240	1.7	0.69	0.93	4.1	51.4	8.6	36.0	5.20	76.0	3.3	-99	0.81	1.86	37.0	3.3	-99	8.3	-99	0.25	1.37	25.6	54.0	0.27
SDC-1 Meas	standard	2009	Actlabs: Ultratrace 4	-0.05	8.37	2.1	607	2.8	0.29	0.99	-0.1	-99	17.5	53.3	-99	30.5	-99	-99	-99	4.53	-99	-99	-99	-99	-99	-99	1.85	-99	33.3	-99
SDC-1 Cert	certified	2009	Actlabs: Ultratrace 4	0.04	8.34	0.22	630	3.0	2.60	1.00	0.08	-99	17.9	64.0	-99	30.0	-99	-99	-99	4.82	-99	-99	-99	-99	-99	-99	2.72	-99	34.0	-99
SCO-1 Meas	standard	2009	Actlabs: Ultratrace 4	0.11	7.12	13.8	552	1.8	0.42	1.84	0.3	-99	10.9	64.6	-99	27.2	-99	-99	-99	3.36	-99	-99	-99	-99	-99	-99	1.78	-99	42.1	-99
SCO-1 Cert	certified	2009	Actlabs: Ultratrace 4	0.13	7.24	12.4	570	1.84	0.37	1.87	0.14	-99	10.5	68.0	-99	28.7	-99	-99	-99	3.59	-99	-99	-99	-99	-99	-99	2.30	-99	45.0	-99
GXR-6 Meas	standard	2009	Actlabs: Ultratrace 4	0.27	-10	266	1610	1.0	0.16	0.23	-0.1	31.7	12.6	68.8	3.70	62.0	2.3	-99	0.58	4.95	32.8	2.2	-99	2.4	-99	-0.1	1.58	12.3	38.5	0.2
GXR-6 Cert	certified	2009	Actlabs: Ultratrace 4	1.30	17.7	330	1300	1.4	0.29	0.18	1.0	36.0	13.8	96.0	4.20	66.0	2.8	-99	0.76	5.58	35.0	2.97	-99	4.3	-99	0.26	1.87	13.9	32.0	0.33
OREAS 13P Meas	standard	2009	Actlabs: Ultratrace 4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2410	-99	-99	-99	7.56	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	certified	2009	Actlabs: Ultratrace 4	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	2500	-99	-99	-99	7.58	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	blank	2009	Actlabs: Ultratrace 4	-0.05	-0.01	-0.1	-1	-0.1	-0.02	-0.01	-0.1	-0.1	-0.1	-0.5	-0.05	-0.2	-0.1	-0.1	-0.05	-0.01	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.01	-0.1	-0.5	-0.1

Open File LAB/1692 - Appendix F3: Standards Data and Detection Limits - Actlabs: Ultratrace 4

StandardID	Mg	Mn	Mo	Na	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit	wt.%	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Upper Detection Limit				3.00				5000												200			10000						
Lower Detection Limit	0.01	1	0.1	0.001	0.1	0.1	0.5	0.5	0.1	0.2	0.001	0.1	0.1	0.1	1	0.2	0.1	0.1	0.1	0.1	0.05	0.1	0.1	1	0.1	0.1	0.1	0.2	1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
for 6 samples GS-08-2(																													
GXR-1 Meas	0.20	849	18.1	0.044	0.9	9.3	38.0	640	-99	3.0	-99	45.3	16.6	2.8	29	269	-0.1	0.8	12.9	2.3	0.32	0.4	31.8	77	118	30.7	0.6	628	23
GXR-1 Cert	0.22	852	18.0	0.052	0.8	18.0	41.0	730	-99	14.0	-99	122	16.6	2.7	54	275	0.18	0.83	13.0	2.44	0.39	0.43	34.9	80	164	32.0	1.9	760	38
GXR-4 Meas	1.64	148	311	0.543	9.9	45.0	44.3	52.8	-99	159	-99	4.7	6.5	6.3	6	209	0.5	0.6	1.2	18.6	3.32	0.2	6.2	87	30.7	14.8	-0.1	78.1	34
GXR-4 Cert	1.66	155	310	0.564	10.0	45.0	42.0	52.0	-99	160	-99	4.8	5.6	6.6	5.6	221	0.79	0.36	0.97	22.5	3.20	0.21	6.2	87	30.8	14.0	1.6	73.0	186
GXR-2 Meas	0.68	851	2.0	0.553	9.1	15.1	19.7	551	-99	47.9	-99	24.9	0.9	2.5	2	134	0.4	0.4	0.7	6.3	0.74	0.2	2.4	52	1.9	11.6	-0.1	470	178
GXR-2 Cert	0.85	1010	2.1	0.556	11.0	19.0	21.0	690	-99	78.0	-99	49.0	0.61	3.5	1.7	160	0.9	0.48	0.69	8.8	1.03	0.3	2.9	52	1.9	17.0	2.04	530	269
GXR-6 Meas	0.61	1110	2.2	0.113	0.9	14.3	26.8	101	-99	93.3	-99	0.3	1.3	2.7	1	38.6	-0.1	0.4	0.1	6.0	2.21	0.3	1.8	132	3.1	14.0	-0.1	132	98
GXR-6 Cert	0.61	1010	2.4	0.104	7.5	13.0	27.0	101	-99	90.0	-99	3.6	0.94	2.67	1.7	35.0	0.49	0.42	0.02	5.3	2.20	0.03	1.54	186	1.9	14.0	2.4	118	110
Method Blank	-0.01	-1	-0.1	-0.001	-0.1	-0.1	-0.5	-0.5	-0.1	-0.2	-0	-0.1	-0.1	-0.1	-1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.05	-0.1	-0.1	-1	-0.1	-0.1	-0.1	-0.2	-1
for 6 samples GS-08-21																													
GXR-1 Meas	0.20	791	18.0	0.044	0.8	8.7	43.0	732	-99	2.6	-99	42.7	16.6	2.9	33	266	-0.1	0.8	13.3	2.9	0.40	0.4	43.0	80	149	30.2	2.0	755	27
GXR-1 Cert	0.22	852	18.0	0.052	0.8	18.0	41.0	730	-99	14.0	-99	122	16.6	2.7	54	275	0.18	0.83	13.0	2.44	0.39	0.43	34.9	80	164	32.0	1.9	760	38
DH-1a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-200	-99	-99	2630	-99	-99	-99	-99	-99	-99
DH-1a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	910	-99	-99	2630	-99	-99	-99	-99	-99	-99
DNC-1 Meas	5.74	1230	0.7	1.32	1.6	4.9	315	7.3	1.1	3.5	-99	0.1	-99	1.5	-99	137	-0.1	0.4	-99	0.6	-0.05	0.3	0.1	145	-0.1	17.9	1.8	62.8	40
DNC-1 Cert	6.06	1150	0.7	1.39	3.0	4.9	247	6.3	1.3	4.5	-99	0.96	-99	1.38	-99	145	0.1	0.41	-99	0.2	0.03	0.38	0.1	148	0.2	18.0	2.01	66.0	41
GXR-4 Meas	1.64	165	316	0.524	10.3	40.2	41.9	52.1	-99	122	-99	3.4	5.8	6.4	7	197	0.5	0.5	1.3	19.5	2.98	0.2	7.0	85	31.4	13.9	0.9	74.3	44
GXR-4 Cert	1.66	155	310	0.564	10.0	45.0	42.0	52.0	-99	160	-99	4.8	5.6	6.6	5.6	221	0.79	0.36	0.97	22.5	3.20	0.21	6.2	87	30.8	14.0	1.6	73.0	186
GXR-2 Meas	0.91	982	1.0	0.601	5.5	20.5	26.2	668	-99	73.9	-99	11.0	1.7	3.7	1	157	-0.1	0.5	0.6	8.2	0.83	0.3	3.5	61	0.2	17.7	1.6	629	135
GXR-2 Cert	0.85	1010	2.1	0.556	11.0	19.0	21.0	690	-99	78.0	-99	49.0	0.61	3.5	1.7	160	0.9	0.48	0.69	8.8	1.03	0.3	2.9	52	1.9	17.0	2.04	530	269
SDC-1 Meas	0.96	811	0.1	1.31	-99	-99	36.7	24.9	-99	-99	-99	-0.1	-99	-99	2	155	-99	-99	-99	-99	-99	-99	-99	47	-0.1	32.3	-99	92.2	31
SDC-1 Cert	1.02	883	0.25	1.52	-99	-99	38.0	25.0	-99	-99	-99	0.54	-99	-99	3	183	-99	-99	-99	-99	-99	-99	-99	102	0.8	40.0	-99	103	290
SCO-1 Meas	1.40	377	0.6	0.606	-99	-99	32.1	33.0	-99	-99	-99	0.3	-99	-99	2	153	-99	-99	-99	-99	-99	-99	-99	99	-0.1	19.8	-99	102	73
SCO-1 Cert	1.64	410	1.37	0.670	-99	-99	27.0	31.0	-99	-99	-99	2.5	-99	-99	3.7	174	-99	-99	-99	-99	-99	-99	-99	131	1.4	26.0	-99	103	160
GXR-6 Meas	0.70	1010	0.9	0.122	0.7	12.6	28.1	103	-99	79.2	-99	-0.1	1.8	2.6	-1	42.0	-0.1	0.4	0.1	5.5	2.08	0.2	1.9	150	-0.1	14.2	1.6	140	84
GXR-6 Cert	0.61	1010	2.4	0.104	7.5	13.0	27.0	101	-99	90.0	-99	3.6	0.94	2.67	1.7	35.0	0.49	0.42	0.02	5.3	2.20	0.03	1.54	186	1.9	14.0	2.4	118	110
OREAS 13P Meas	-99	-99	-99	-99	-99	-99	2260	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	-99	-99	-99	-99	-99	-99	2260	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	-0.01	-1	-0.1	-0.001	-0.1	-0.1	-0.5	-0.5	-0.1	-0.2	-0	-0.1	-0.1	-0.1	-1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.05	-0.1	-0.1	-1	-0.1	-0.1	-0.1	-0.2	-1
for 30 samples GS-09-0																													
GXR-1 Meas	0.17	874	17.9	0.042	1.3	4.6	43.4	758	-99	0.6	-99	90.6	16.6	1.5	40	268	-0.1	0.4	13.5	0.9	0.43	0.2	34.8	81	155	9.4	1.1	764	21
GXR-1 Cert	0.22	852	18.0	0.052	0.8	18.0	41.0	730	-99	14.0	-99	122	16.6	2.7	54	275	0.18	0.83	13.0	2.44	0.39	0.43	34.9	80	164	32.0	1.9	760	38
DH-1a Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-200	-99	-99	2640	-99	-99	-99	-99	-99	-99
DH-1a Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	910	-99	-99	2630	-99	-99	-99	-99	-99	-99
DNC-1 Meas	5.90	1160	0.2	1.42	1.4	4.4	282	6.8	1.0	3.3	-99	0.9	-99	1.3	-99	134	-0.1	0.4	-99	0.3	-0.05	0.3	-0.1	151	-0.1	16.2	1.9	63.0	37
DNC-1 Cert	6.06	1150	0.7	1.39	3.0	4.9	247	6.3	1.3	4.5	-99	0.96	-99	1.38	-99	145	0.1	0.41	-99	0.2	0.03	0.38	0.1	148	0.2	18.0	2.01	66.0	41
GXR-4 Meas	1.67	145	321	0.494	9.0	36.8	41.5	46.7	-99	99.8	-99	4.3	6.4	5.5	7	223	0.5	0.5	1.1	19.0	3.00	0.2	6.2	83	34.6	14.1	1.0	69.0	48
GXR-4 Cert	1.66	155	310	0.564	10.0	45.0	42.0	52.0	-99	160	-99	4.8	5.6	6.6	5.6	221	0.79	0.36	0.97	22.5	3.20	0.21	6.2	87	30.8	14.0	1.6	73.0	186
GXR-2 Meas	0.82	1000	1.4	0.565	9.4	17.8	19.9	652	-99	38.0	-99	30.8	1.4	3.3	2	158	0.5	0.4	0.9	7.2	0.84	0.2	2.8	56	1.2	15.7	1.5	539	146
GXR-2 Cert	0.85	1010	2.1	0.556	11.0	19.0	21.0	690	-99	78.0	-99	49.0	0.61	3.5	1.7	160	0.9	0.48	0.69	8.8	1.03	0.3	2.9	52	1.9	17.0	2.04	530	269
SDC-1 Meas	1.01	837	0.1	1.49	-99	-99	35.7	25.1	-99	-99	-99	-0.1	-99	-99	-1	158	-99	-99	-99	-99	-99	-99	-99	45	-0.1	31.7	-99	97.6	38
SDC-1 Cert	1.02	883	0.25	1.52	-99	-99	38.0	25.0	-99	-99	-99	0.54	-99	-99	3	183	-99	-99	-99	-99	-99	-99	-99	102	0.8	40.0	-99	103	290
SCO-1 Meas	1.57	362	1.2	0.673	-99	-99	28.4	33.8	-99	-99	-99	2.1	-99	-99	3	158	-99	-99	-99	-99	-99	-99	-99	126	1.4	19.4	-99	97.8	107
SCO-1 Cert	1.64	410	1.37	0.670	-99	-99	27.0	31.0	-99	-99	-99	2.5	-99	-99	3.7	174	-99	-99	-99	-99	-99	-99	-99	131	1.4	26.0	-99	103	160
GXR-6 Meas	0.64	957	1.5	0.102	2.6	10.7	23.3	87.2	-99	46.9	-99	1.6	1.8	2.2	1	46.4	-0.1	0.3	0.1	4.5	1.93	0.2	1.6	147	0.5	12.4	1.5	113	85
GXR-6 Cert	0.61	1010	2.4	0.104	7.5	13.0	27.0	101	-99	90.0	-99	3.6	0.94	2.67	1.7	35.0	0.49	0.42	0.02	5.3	2.20	0.03	1.54	186	1.9	14.0	2.4	118	110
OREAS 13P Meas	-99	-99	-99	-99	-99	-99	2300	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
OREAS 13P Cert	-99	-99	-99	-99	-99	-99	2260	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
Method Blank	-0.01	-1	-0.1	-0.001	-0.1	-0.1	-0.5	-0.5	-0.1	-0.2	-0	-0.1	-0.1	-0.1	-1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.05	-0.1	-0.1	-1	-0.1	-0.1	-0.1	-0.2	-1

SampleNum	LabNum	BecNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit													
Lower Detection Limit													
Analysis Method													
GS-07-001	7740001	N08-S02-001	2009	359920	6113210	21	NAD27	13O/03	Core	A-3-2	3.50	4.00	Quartz phyric crystal tuff
GS-07-011	7740159	N08-S02-057	2009	361040	6111550	21	NAD27	13O/03	Core	A-7-2	38.22	38.72	Pale pink altered tuff marginal to mineralized zone
GS-07-029	7740069	N07-LO1-44	2008	361030	6111390	21	NAD27	13O/03	Core	A-7-6	5.20	5.70	Crystal tuff
GS-07-030	7740009	N08-S02-002	2009	361030	6111390	21	NAD27	13O/03	Core	A-7-6	27.30	27.80	Plagioclase-phyric mafic dyke
GS-07-037	7740071	N07-LO1-46	2008	361040	6111520	21	NAD27	13O/03	Core	A-7-4	50.05	50.44	Fine-grained mafic dyke
GS-07-039	7740072	N07-LO1-47	2008	361040	6111520	21	NAD27	13O/03	Core	A-7-4	55.80	56.07	Fine-grained, grey-green, weakly magnetic mafic dyke
GS-07-055	7740165	N08-S02-058	2009	230377	6054491	21	NAD27	13K/11	Core	CMB-06-01	61.10	61.40	Hematite-chlorite-rich breccia
GS-07-072	7740168	N08-S02-059	2009	361100	6111540	21	NAD27	13O/03	Core	A-7-7	107.50	107.90	Fine-grained mafic dyke
GS-07-076	7740171	N08-S02-060	2009	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	97.84	98.25	Chlorite-rich breccia in granodiorite-tonalite
GS-07-090	7740013	N08-S02-003	2009	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	287.00	288.04	Fine-grained mafic dyke with weak fracture-hosted hematite alteration
GS-07-093	7740174	N08-S02-061	2009	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	22.41	23.01	Maggo Gneiss
GS-07-094	7740015	N08-S02-004	2009	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	121.82	122.29	Feldspar-rich pegmatite
GS-07-098	7740016	N08-S02-005	2009	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	173.70	174.00	Fine-grained mafic dyke
GS-07-104	7740018	N08-S02-006	2009	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	323.78	324.28	Pale pink, fine-grained plutonic rock
GS-07-110	7740177	N08-S02-062	2009	230398	6054095	21	NAD27	13K/11	Core	CMB-07-07	220.59	221.09	Fine-grained granite overprinted by weak, dark purple, hematite-rich brecciation
GS-07-132	7740026	N08-S02-008	2009	340900	6097160	21	NAD27	13J/14	Core	B-24	18.96	19.46	Metabasalt
GS-07-147	7740073	N07-LO1-48	2008	310199	6125433	21	NAD27	13O/04	Grab	07G.W.S.060			Quartz-rich pegmatite
GS-07-148	7740074	N07-LO1-49	2008	310174	6125435	21	NAD27	13O/04	Grab	07G.W.S.060			K-feldspar-rich pegmatite
GS-07-159	7740028	N08-S02-009	2009	340530	6097405	21	NAD27	13J/14	Grab	07G.W.S.067			Medium-grained gabbro; Kitts Metagabbro
GS-07-162	7740031	N08-S02-010	2009	340900	6097160	21	NAD27	13J/14	Core	B-16	23.53	23.83	Diorite dyke
GS-07-163	7740032	N08-S02-011	2009	340900	6097160	21	NAD27	13J/14	Core	B-16	42.47	42.87	Diorite dyke
GS-07-167	7740034	N08-S02-012	2009	340900	6097160	21	NAD27	13J/14	Core	B-24	63.14	63.80	Medium-grained gabbro; Kitts Metagabbro
GS-07-171	7740035	N08-S02-013	2009	340900	6097160	21	NAD27	13J/14	Core	B-11	49.65	49.95	Quartz-feldspar porphyry dyke
GS-07-172	7740075	N07-LO1-50	2008	233095	6047161	21	NAD27	13K/11	Grab	07G.W.S.017			Relatively unaltered granodiorite
GS-07-173	7740076	N07-LO1-51	2008	233095	6047161	21	NAD27	13K/11	Grab	07G.W.S.017			Hematized granodiorite
GS-07-176	7740077	N07-LO1-52	2008	233095	6047161	21	NAD27	13K/11	Grab	07G.W.S.017			Relatively unaltered pegmatite
GS-07-177	7740178	N08-S02-063	2009	233022	6047084	21	NAD27	13K/11	Grab	07G.W.S.018			Unaltered granodiorite
GS-07-182	7740038	N08-S02-014	2009	234501	6049144	21	NAD27	13K/11	Core	FHLS-07-04	48.20	48.70	Relatively unaltered pegmatite
GS-07-186	7740039	N08-S02-015	2009	234501	6049144	21	NAD27	13K/11	Core	FHLS-07-06	118.50	118.93	Unaltered granodiorite
GS-07-193	7740078	N07-LO1-53	2008	231160	6049347	21	NAD27	13K/11	Grab	07G.W.S.027			Pegmatite hosting anomalous radioactivity
GS-07-195	7740079	N07-LO1-54	2008	230351	6048343	21	NAD27	13K/11	Grab	07G.W.S.024			Quartz-rich pegmatite
GS-07-198	7740044	N08-S02-016	2009	340900	6097160	21	NAD27	13J/14	Core	K-74-18	83.00	83.50	Metabasalt
GS-07-204	7740046	N08-S02-017	2009	340900	6097160	21	NAD27	13J/14	Core	K-74-18	121.23	121.65	Quartz-feldspar porphyry
GS-07-214	7740048	N08-S02-018	2009	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	84.30	84.47	Felsic dyke
GS-07-215	7740049	N08-S02-019	2009	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	100.04	100.54	Intermediate metavolcanic
GS-07-216	7740051	N08-S02-020	2009	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	119.75	120.56	Strongly foliated intermediate volcanic
GS-07-220	7740052	N08-S02-021	2009	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	289.00	289.50	Unmineralized intermediate metavolcanic
GS-07-225	7740068	N08-S02-031	2009	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	360.00	372.00	Quartz-feldspar porphyry dyke; dated at 1801 ± 0.9 Ma
GS-07-230	7740053	N08-S02-022	2009	333035	6066263	21	NAD27	13J/12	Core	JL-06-13	134.25	134.75	Feldspar-porphyry
GS-07-234	7740056	N08-S02-023	2009	307400	6052550	21	NAD27	13J/12	Core	M-06-11	64.00	64.40	Weakly porphyritic felsic metavolcanic
GS-07-238	7740058	N08-S02-024	2009	307400	6052550	21	NAD27	13J/12	Core	M-06-11	229.70	230.20	Quartz-feldspar porphyry
GS-07-240	7740059	N08-S02-025	2009	307400	6052550	21	NAD27	13J/12	Core	M-06-11	281.34	281.79	Coarsely porphyritic metarhyolite
GS-07-241	7740061	N08-S02-027	2009	307400	6052550	21	NAD27	13J/12	Core	M-06-11	296.17	296.69	Weakly porphyritic felsic metavolcanic
GS-07-244	7740187	N08-S02-064	2009	307400	6052550	21	NAD27	13J/12	Core	M-06-11	336.24	336.71	Weakly porphyritic felsic metavolcanic
GS-07-249	7740063	N08-S02-028	2009	307400	6052550	21	NAD27	13J/12	Core	M-06-13	275.02	275.62	Quartz-feldspar porphyry
GS-07-251	7740064	N08-S02-029	2009	307400	6052550	21	NAD27	13J/12	Core	M-06-13	325.13	325.53	Coarsely porphyritic metarhyolite
GS-07-254	7740066	N08-S02-030	2009	307400	6052550	21	NAD27	13J/12	Core	M-06-13	422.60	423.06	Fine-grained mafic dyke
GS-07-261	7740081	N07-LO1-56	2008	310247	6125426	21	NAD27	13O/04	Core	DS-07-04	125.12	125.52	Quartz-rich pegmatite with wispy mm-scale biotite-filled fractures
GS-08-007	7740082	N08-S02-032	2009	239122	6038989	21	NAD27	13K/06	Core	51562	13.52	14.02	Feldspar-porphyry
GS-08-025	7740086	N08-S02-033	2009	340900	6097160	21	NAD27	13J/14	Core	B-21	10.08	10.48	Metabasalt
GS-08-035	7740088	N08-S02-034	2009	340900	6097160	21	NAD27	13J/14	Core	B-21	132.98	133.50	Metagabbro
GS-08-043	7740092	N08-S02-035	2009	340900	6097160	21	NAD27	13J/14	Core	B-47	16.63	17.13	Metabasalt
GS-08-053	7740096	N08-S02-036	2009	243878	6043687	21	NAD27	13K/07	Core	ML-03	41.50	42.30	Metabasalt
GS-08-063	7740097	N08-S02-037	2009	243878	6043687	21	NAD27	13K/07	Core	ML-03	107.35	107.66	Hematite-carbonate alterted breccia
GS-08-068	7740098	N08-S02-038	2009	243878	6043687	21	NAD27	13K/07	Core	ML-03	149.35	149.75	Metabasalt
GS-08-074	7740099	N08-S02-039	2009	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-04	17.20	17.70	Fine-grained granite
GS-08-076	7740102	N08-S02-040	2009	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-04	49.80	50.20	Fine-grained granite
GS-08-078	7740103	N08-S02-041	2009	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-04	66.05	66.60	Fine-grained granodiorite

SampleNum	LabNum	BecNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit													
Lower Detection Limit													
Analysis Method													
GS-08-081	7740106	N08-S02-042	2009	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-02	62.27	62.77	Fine-grained granodiorite
GS-08-090	7740113	N08-S02-043	2009	378697	6069937	21	NAD27	13J/15	Core	MBAT-08-05	4.45	4.90	Fine-grained granite
GS-08-176	7740122	N08-S02-044	2009	306492	6051177	21	NAD27	13J/12	Core	M-07-75	83.62	84.24	Weakly hematized, weakly porphyritic, felsic metavolcanic
GS-08-184	7740129	N08-S02-045	2009	306492	6051177	21	NAD27	13J/12	Core	M-07-75	318.16	318.76	Weakly porphyritic, felsic metavolcanic
GS-08-193	7740137	N08-S02-046	2009	306492	6051177	21	NAD27	13J/12	Core	M-07-75	763.45	763.95	Weakly porphyritic, felsic metavolcanic
GS-08-196	7740138	N08-S02-047	2009	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	799.70	800.30	Coarsely porphyritic, felsic core of dyke
GS-08-198	7740139	N08-S02-048	2009	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	878.00	878.54	Very fine grained, non-porphyritic, strongly foliated felsic metavolcanic
GS-08-204	7740143	N08-S02-049	2009	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	1127.74	1137.14	Undeformed diorite to monzodiorite; dated at 1644 ± 4 Ma
GS-08-205	7740144	N08-S02-050	2009	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	1149.20	1149.70	Weakly porphyritic, felsic metavolcanic
GS-08-206	7740145	N08-S02-051	2009	307146	6051898	21	NAD27	13J/12	Core	M-07-072	114.36	116.78	Medium-grained, quartz-K-feldspar-biotite bearing granite
GS-08-215	7740148	N08-S02-052	2009	307146	6051898	21	NAD27	13J/12	Core	M-07-072	438.95	447.45	Weakly porphyritic felsic metavolcanic; dated at 1858 ± 2 Ma
GS-08-217	7740149	N08-S02-053	2009	307146	6051898	21	NAD27	13J/12	Core	M-07-072	542.20	543.74	Fine-grained mafic dyke crosscutting mineralization
GS-08-225	7740152	N08-S02-054	2009	332769	6065965	21	NAD27	13J/12	Core	JL-07-058	72.85	73.35	Fine-grained, diorite dyke
GS-08-233	7740155	N08-S02-055	2009	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	141.23	141.73	Weak to moderate actinolite-carbonate veining within intermediate metavolcanic
GS-08-235	7740157	N08-S02-056	2009	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	168.85	171.27	Fine-grained, intermediate metavolcanic; contains titanite dated at 1781 ± 10 Ma
GS-08-247	7740198	N08-S02-065	2009	393594	6069783	21	NAD27	13J/15	Grab	08G.W.S.107			Spherulitic rhyolite
GS-08-252B	7740259	N09-S02-1	2010	362485	6093306	21	NAD27	13J/14	Grab	08G.W.S.002			Hematite-albite alteration within felsic metavolcanic with up to 4600 cps
GS-08-253	7740199	N08-S02-066	2009	362514	6093414	21	NAD27	13J/14	Grab	08G.W.S.003			Unmineralized felsic metavolcanic
GS-08-282	7740203	N08-S02-068	2009	362229	6120342	21	NAD27	13O/03	Grab	08G.W.S.041			Felsic metavolvcanic immediately adjacent to granite intrusion
GS-08-288	7740204	N08-S02-069	2009	393594	6069783	21	NAD27	13J/15	Grab	08G.W.S.106			Feldspar-phyric crystal tuff; dated at 1855.2 ± 1.4 Ma
GS-08-302	7740205	N08-S02-070	2009	243178	6043052	21	NAD27	13K/07	Grab	08G.W.S.079			Fine-grained gabbro
GS-08-304	7740206	N08-S02-071	2009	243750	6043039	21	NAD27	13K/07	Grab	08G.W.S.083			Fine-grained gabbro
GS-08-305	7740207	N08-S02-072	2009	242829	6042453	21	NAD27	13K/07	Core	ML-A1-07	17.10	23.50	Coarse-grained gabbro
GS-09-009	7740261	N09-S02-3	2010	230228	6054210	21	NAD27	13K/11	Core	CMB-07-14	312.80	313.30	Weakly hematitized fine- to medium-grained granodiorite/tonalite
GS-09-010	7740262	N09-S02-4	2010	230228	6054210	21	NAD27	13K/11	Core	CMB-07-14	374.40	375.00	Relatively unaltered granodiorite/tonalite
GS-09-011	7740263	N09-S02-5	2010	230228	6054210	21	NAD27	13K/11	Core	CMB-07-15	236.49	236.89	Carbonate-rich, fine-grained mafic dyke
GS-09-020	7740264	N09-S02-6	2010	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	453.80	454.25	Leucocratic portion of gneissic unit
GS-09-022	7740265	N09-S02-7	2010	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	379.10	379.60	Pale pink, medium-grained, homogeneous granodiorite/tonalite with moderate chlorite fracturing
GS-09-023	7740266	N09-S02-8	2010	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	378.28	378.50	Tonalitic gneiss
GS-09-024	7740267	N09-S02-9	2010	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	348.04	348.48	Medium-grained, pale pink homogeneous granodiorite/tonalite with moderate chlorite fracturing
GS-09-035	7740268	N09-S02-10	2010	226734	6050824	21	NAD27	13K/11	Core	SNNM-07-01	85.00	85.60	Medium-grained granodiorite/tonalite
GS-09-036	7740269	N09-S02-11	2010	230994	6052981	21	NAD27	13K/11	Core	SN-08-08	231.13	231.58	Crush breccia within granodiorite/tonalite
GS-09-041	7740271	N09-S02-13	2010	230994	6052981	21	NAD27	13K/11	Core	SN-08-08	119.40	119.90	Medium-grained greyish granodiorite/tonalite
GS-09-069	7740272	N09-S02-14	2010	237942	6051461	21	NAD27	13K/11	Grab	09G.W.S.025			Variably hematized medium-grained granodiorite/tonalite with up to 1200 cps
GS-09-075	7740273	N09-S02-15	2010	234518	6049192	21	NAD27	13K/11	Core	FHLS-07-04	42.10	42.97	Quartz-feldspar-rich pegmatite
GS-09-077	7740274	N09-S02-16	2010	314957	6056123	21	NAD27	13J/12	Core	SP-06-10	155.67	156.17	Weaky foliated, fine-grained mafic dyke
GS-09-079	7740275	N09-S02-17	2010	314957	6056123	21	NAD27	13J/12	Core	SP-06-10	161.70	162.20	Pale grey unaltered, chlorite-biotite-rich intermediate metavolcanic
GS-09-087	7740276	N09-S02-18	2010	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	34.30	34.80	Albitic alteration developed in intermediate metavolcanic
GS-09-088	7740277	N09-S02-19	2010	314949	6056051	21	NAD27	13J/12	Core	SP-07-14	137.20	137.88	Massive, dark purple, intermediate volcanic above mineralized zone
GS-09-090	7740278	N09-S02-20	2010	314949	6056051	21	NAD27	13J/12	Core	SP-07-14	146.34	146.84	Feldspar-phyric intermediate metavolcanic
GS-09-098	7740279	N09-S02-21	2010	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	148.07	148.57	Quartz-feldspar-phyric metarhyolite
GS-09-099	7740281	N09-S02-23	2010	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	236.23	236.64	Pale purple, highly fractured intermediate metavolcanic with discontinuous white carbonate veining
GS-09-100	7740282	N09-S02-24	2010	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	237.20	237.70	Pale cream coloured porphyritic metarhyolite
GS-09-111	7740283	N09-S02-25	2010	241905	6042607	21	NAD27	13K/07	Grab	09G.W.S.039			Unmineralized iron-carbonate veining developed in basalt
GS-09-112	7740284	N09-S02-26	2010	243333	6042941	21	NAD27	13K/07	Grab	09G.W.S.040			Black sulfide-rich shale from area of anomalous radioactivity
GS-09-114	7740285	N09-S02-27	2010	243300	6042909	21	NAD27	13K/07	Grab	09G.W.S.041			Buff brown weathering, fine-grained mafic dyke
GS-09-127	7740286	N09-S02-28	2010	237755	6031039	21	NAD27	13K/06	Core	ML-MA-08	155.50	156.00	Strongly foliated, weakly sericitized ash flow tuff
GS-09-134	7740287	N09-S02-29	2010	237755	6031039	21	NAD27	13K/06	Core	ML-MA-08	44.95	45.47	Unaltered, massive, coarsely porphyritic ash flow tuff
GS-09-137	7740288	N09-S02-30	2010	248471	6049469	21	NAD27	13K/10	Core	ML-MH-04	76.74	77.30	Fine-grained, dark green, mafic volcanic with chlorite-carbonate filled fractures
GS-09-150	7740289	N09-S02-31	2010	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	107.77	108.37	Coarse-grained tonalite
GS-09-151	7740291	N09-S02-33	2010	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	96.57	97.07	Brecciated dolostone immediately above unconformity with tonalite
GS-09-152	7740292	N09-S02-34	2010	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	90.30	91.04	Massive pale grey dolostone
GS-09-155	7740293	N09-S02-35	2010	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	41.01	41.32	Unmineralized, brecciated dolostone
GS-09-157	7740294	N09-S02-36	2010	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	23.31	23.83	Thinly-bedded, sulfide-rich shale
GS-09-158	7740295	N09-S02-37	2010	244671	6048643	21	NAD27	13K/10	Core	ML-A51-03	97.74	98.28	Medium-grained, sericite-chlorite altered tonalite

SampleNum	LabNum	BecNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit													
Lower Detection Limit													
Analysis Method													
GS-09-159	7740296	N09-S02-38	2010	244671	6048643	21	NAD27	13K/10	Core	ML-A51-03	53.40	53.90	Highly fractured dolostone
GS-09-164	7740297	N09-S02-39	2010	243328	6042908	21	NAD27	13K/07	Core	ML-EM-05	63.05	63.50	Fine-grained, dark green mafic dyke
GS-09-165	7740298	N09-S02-40	2010	243328	6042908	21	NAD27	13K/07	Core	ML-EM-05	43.40	43.92	Sulphide-rich shale xenolith contained in dyke
GS-09-177	7740299	N09-S02-41	2010	337400	6091040	21	NAD27	13J/13	Core	G-68-135	10.00	10.49	Biotite-carbonate-rich mafic tuff
GS-09-193	7740301	N09-S02-43	2010	331763	6087237	21	NAD27	13J/13	Core	N-69-29	21.40	21.90	Thinly bedded, siliceous, purple-pink, sericitic felsic tuff
GS-09-197	7740302	N09-S02-44	2010	331875	6087422	21	NAD27	13J/13	Core	N-68-02	42.83	43.30	Chlorite-epidote altered mafic tuff
GS-09-199	7740303	N09-S02-45	2010	332085	6087470	21	NAD27	13J/13	Core	N-69-17	74.47	75.20	Dark-green mafic tuff
GS-09-200	7740304	N09-S02-46	2010	332085	6087470	21	NAD27	13J/13	Core	N-69-17	95.40	95.70	Pale green, chlorite-epidote altered mafic tuff hosting weakly anomalous radioactivity
GS-09-201	7740305	N09-S02-47	2010	329918	6086993	21	NAD27	13J/13	Core	NW-77-04	5.60	6.10	Quartz-feldspar porphyry
GS-09-222	7740306	N09-S02-48	2010	242784	6098785	21	NAD27	13K/14	Grab	07G.W.S.061			Gossan zone in mafic intrusive
GS-14-001	7740903	N15-L01-1	2015	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	286.70	287.15	Maggo Gneiss
GS-14-002	7740904	N15-L01-2	2015	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	257.70	258.30	Fine-grained, dark green mafic dyke
GS-14-006	7740905	N15-L01-3	2015	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	216.40	216.80	K-feldspar-quartz-rich pegmatite
GS-14-007	7740906	N15-L01-4	2015	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	183.90	184.70	Unaltered, medium-grained granodiorite
GS-14-011	7740907	N15-L01-5	2015	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	100.06	100.10	Fine-grained, dark green mafic dyke
GS-14-019	7740908	N15-L01-6	2015	230704	6053704	21	NAD27	13K/11	Core	SN-07-01	122.35	123.00	Amphibole-rich granodiorite due to contact metamorphism
GS-14-035	7740912	N15-L01-8	2015	230801	6053679	21	NAD27	13K/11	Core	SN-08-12	225.60	226.20	Unaltered, medium-grained granodiorite
GS-14-039	7740914	N15-L01-9	2015	225458	6056696	21	NAD27	13K/11	Grab	14G.W.S.005			Maggo Gneiss
GS-14-040	7740915	N15-L01-10	2015	225458	6056696	21	NAD27	13K/11	Grab	14G.W.S.005			Quartz-K-feldspar-rich granite
GS-14-043	7740917	N15-L01-11	2015	231476	6057386	21	NAD27	13K/11	Grab	14G.W.S.010			Fine-grained, weakly plagioclase-phyric, mafic dyke
GS-14-049	7740918	N15-L01-12	2015	239782	6040805	21	NAD27	13K/06	Grab	14G.W.S.014			Unaltered, fine-grained mafic metavolcanic
GS-14-060	7740921	N15-L01-14	2015	243968	6043479	21	NAD27	13K/07	Core	ML-115	156.50	157.00	Unaltered conglomerate of the Heggart Lake Formation
GS-14-092	7740932	N15-L01-15	2015	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	51.35	52.00	Chlorite altered tonalite
GS-14-094	7740933	N15-L01-16	2015	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	60.00	60.50	Fine- to -medium-grained, chlorite altered, granodiorite/tonalite
GS-14-095	7740934	N15-L01-17	2015	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	248.50	249.00	Medium-grained granodiorite
GS-14-099	7740937	N15-L01-18	2015	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	352.30	352.90	Moderately foliated mafic dyke
GS-14-101	7740938	N15-L01-19	2015	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	426.50	427.00	Medium-grained granodiorite
GS-14-106	7740941	N15-L01-21	2015	238561	6050833	21	NAD27	13K/11	Core	FS-11-07	131.00	131.75	Weakly hematized, medium-grained granodiorite
GS-14-112	7740944	N15-L01-22	2015	238561	6050833	21	NAD27	13K/11	Core	FS-11-07	29.90	30.50	Hematized granodiorite
GS-14-113	7740945	N15-L01-23	2015	242976	6042935	21	NAD27	13K/07	Core	ML-193	8.10	8.70	Brecciated hematite-Fe-carbonate-albite alteration
GS-14-114	7740946	N15-L01-24	2015	242976	6042935	21	NAD27	13K/07	Core	ML-193	34.50	34.90	Brecciated hematite-Fe-carbonate-albite alteration
GS-14-118	7740949	N15-L01-25	2015	242976	6042935	21	NAD27	13K/07	Core	ML-193	69.50	70.00	Weakly brecciated hematite-Fe-carbonate alteration
GS-14-120	7740951	N15-L01-26	2015	242976	6042935	21	NAD27	13K/07	Core	ML-193	102.50	103.00	Milled hydrothermal breccia in hematite-carbonate-albite alteration
GS-14-129	7740953	N15-L01-27	2015	246963	6044570	21	NAD27	13K/07	Core	ML-GV-01	523.00	523.75	Medium-grained gabbro
GS-14-131	7740955	N15-L01-28	2015	246963	6044570	21	NAD27	13K/07	Core	ML-GV-01	427.20	427.90	Medium-grained, diorite phase of Henri Lake gabbro
GS-14-132	7740956	N15-L01-29	2015	246963	6044570	21	NAD27	13K/07	Core	ML-GV-01	405.00	405.60	Medium-grained, gabbroic phase of Henri Lake gabbro
GS-14-142	7740958	N15-L01-30	2015	243804	6043527	21	NAD27	13K/07	Core	ML-44	387.00	387.70	Unaltered, fine-grained mafic metavolcanic
GS-14-169	7740964	N15-L01-32	2015	240971	6045421	21	NAD27	13K/07	Grab	14G.W.S.039			Biotite- bearing, feldspar-rich granite
GS-14-170	7740965	N15-L01-33	2015	241083	6045332	21	NAD27	13K/07	Grab	14G.W.S.040			Biotite-bearing, K-feldspar-rich granite
GS-14-171	7740966	N15-L01-34	2015	244631	6046976	21	NAD27	13K/10	Grab	14G.W.S.041			Medium-grained granodiorite
GS-14-172	7740967	N15-L01-35	2015	334537	6088991	21	NAD27	13J/13	Core	I-07-003	76.90	77.60	Thinly banded/foliated, very siliceous, pale red metasediment
GS-14-173	7740968	N15-L01-36	2015	334537	6088991	21	NAD27	13J/13	Core	I-07-003	98.00	98.60	Thinly banded/foliated, fine-grained, dark green metasediment
GS-14-174	7740969	N15-L01-37	2015	334537	6088991	21	NAD27	13J/13	Core	I-07-003	112.70	120.80	Fine-grained, pale pink, felsic dyke or tuff
GS-14-176	7740971	N15-L01-39	2015	334537	6088991	21	NAD27	13J/13	Core	I-07-003	166.50	167.20	Strongly foliated sammite to semipelite
GS-14-177	7740972	N15-L01-40	2015	334537	6088991	21	NAD27	13J/13	Core	I-07-003	216.80	217.40	Fine-grained, amphibolite/mafic metavolcanic
GS-14-180	7740973	N15-L01-41	2015	334537	6088991	21	NAD27	13J/13	Core	I-07-004	211.30	216.45	Fine-grained, pale grey, weak to moderately foliated felsic dyke
GS-14-181	7740974	N15-L01-42	2015	334537	6088991	21	NAD27	13J/13	Core	I-07-004	264.76	265.40	Fine-grained, dark green mafic metavolcanic
GS-14-184	7740975	N15-L01-43	2015	247418	6050109	21	NAD27	13K/10	Grab	14G.W.S.042			Coarse-grained granodiorite/monzodiorite
GS-14-192	7740978	N15-L01-44	2015	228872	6047267	21	NAD27	13K/11	Grab	14G.W.S.053			Medium-grained, chlorite-epidote altered granodiorite
GS-14-197	7740979	N15-L01-45	2015	244374	6040263	21	NAD27	13K/07	Grab	14G.W.S.062			Pale grey, intermediate volcanic
GS-14-198	7740981	N15-L01-47	2015	244374	6040263	21	NAD27	13K/07	Grab	14G.W.S.062			Pale purple, feldspar-phyric intermediate volcanic
GS-14-199	7740982	N15-L01-48	2015	249820	6034192	21	NAD27	13K/07	Grab	14G.W.S.063			Pale purple, feldspar-phyric, felsic crystal tuff
GS-14-200	7740983	N15-L01-49	2015	242963	6012608	21	NAD27	13K/02	Core	ML-08-06	74.80	75.70	Pale pink, feldspar-phyric, crystal tuff
GS-14-201	7740984	N15-L01-50	2015	242963	6012608	21	NAD27	13K/02	Core	ML-08-06	50.50	51.40	Pale pink, feldspar-phyric, crystal tuff hosting magnetite veining
GS-14-220	7740986	N15-L01-51	2015	307249	6052131	21	NAD27	13J/12	Core	ML-163	200.80	201.30	Albitic alteration with relic "vuggy" textured zones within felsic metavolcanic
GS-14-227	7740987	N15-L01-52	2015	306510	6052328	21	NAD27	13J/12	Grab	14G.W.S.092			Strongly foliated granodiorite
GS-14-230	7740988	N15-L01-53	2015	307249	6052131	21	NAD27	13J/12	Core	ML-163	203.66	204.10	Felsic core of the coarsely porphyritic complex dyke
GS-14-232	7740989	N15-L01-54	2015	307249	6052131	21	NAD27	13J/12	Core	ML-163	237.00	237.60	Unmineralized, coarsely porphyritic metavolcanic

Open File LAB/1692 - Appendix G1: Raw Data and Detection Limits - Becquerel: INAA

SampleNum	LabNum	BecNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit													
Lower Detection Limit													
Analysis Method													
GS-14-245	7740991	N15-L01-56	2015	306236	6050125	21	NAD27	13J/12	Core	RZ-06-02	133.60	134.40	Fine-grained, chlorite-rich mafic metavolcanic
GS-14-246	7740992	N15-L01-57	2015	306236	6050125	21	NAD27	13J/12	Core	RZ-06-02	115.40	116.00	Medium-grained, quartz monzodiotite
GS-14-247	7740993	N15-L01-58	2015	306236	6050125	21	NAD27	13J/12	Core	RZ-06-02	91.05	91.75	Fine-grained, non-magnetic, chlorite-rich mafic metavolcanic
GS-14-249	7740994	N15-L01-59	2015	306236	6050125	21	NAD27	13J/12	Core	RZ-06-02	50.13	50.67	Fine-grained felsic metavolcanic
GS-15-034	7741029	N16-L03-8	2016	239959	6041259	21	NAD27	13K/06	Grab	15G.W.S.102			Maroon, moderately magnetic, weakly radioactive mafic metavolcanic
GS-15-039	7741031	N16-L03-10	2016	239756	6041073	21	NAD27	13K/06	Grab	15G.W.S.107			Hematite-rich breccia
GS-15-046	7741034	N16-L03-11	2016	238623	6041199	21	NAD27	13K/06	Grab	15G.W.S.116			Moderately to strongly magnetic, mafic hyaloclastite
GS-15-049	7741036	N16-L03-12	2016	239071	6040279	21	NAD27	13K/06	Grab	15G.W.S.121			Chlorite altered fine-grained mafic metavolcanic
GS-15-051	7741037	N16-L03-13	2016	239565	6040739	21	NAD27	13K/06	Grab	15G.W.S.126			Hematite and carbonate altered, moderately fractured, mafic metavolcanic with up to 400 cps
GS-15-053	7741038	N16-L03-14	2016	239690	6040783	21	NAD27	13K/06	Hand drilled	15G.W.S.130			Fine-grained mafic metavolcanic with weakly developed brecciation
GS-15-055	7741041	N16-L03-17	2016	239756	6041073	21	NAD27	13K/06	Hand drilled	15G.W.S.107			Fe-oxide-rich breccia
GS-15-056	7741042	N16-L03-18	2016	239827	6041131	21	NAD27	13K/06	Hand drilled	15G.W.S.105			Fe-oxide-rich breccia
GS-15-064	7741047	N16-L03-19	2016	309240	6053739	21	NAD27	13J/12	Grab	15G.W.S.146			Rusty weathering, altered granite
GS-15-065	7741048	N16-L03-20	2016	309646	6053556	21	NAD27	13J/12	Grab	15G.W.S.150			Magnetite-rich breccia cutting coarsely-porphyritic metarhyolite
GS-15-075	7741058	N16-L03-21	2016	308229	6052025	21	NAD27	13J/12	Grab	15G.W.S.163			Magnetite-veined, porphyritic felsic metavolcanic
GS-15-078	7741062	N16-L03-22	2016	307373	6052044	21	NAD27	13J/12	Grab	15G.W.S.167			Magnetite-amphibolite veining in felsic metavolcanic
GS-15-167	7741129	N16-L03-23	2016	248030	6015018	21	NAD27	13K/02	Grab	15G.W.S.251			Variably altered, pyrite-bearing, felsic metavolcanic
GS-15-168	7741131	N16-L03-24	2016	247906	6015004	21	NAD27	13K/02	Grab	15G.W.S.252			Strongly foliated and altered, pyritic felsic metavolcanic
GS-15-178	7741138	N16-L03-25	2016	396090	6072344	21	NAD27	13J/15	Grab	15G.W.S.264			Rusty weathering, altered felsic volcanic rock displaying localized vuggy texture
GS-15-199	7741147	N16-L03-26	2016	237072	6039516	21	NAD27	13K/06	Grab	15G.W.S.282			Moderately to strongly magnetic, mafic hyaloclastite
GS-15-200	7741148	N16-L03-27	2016	237227	6039573	21	NAD27	13K/06	Grab	15G.W.S.283			Moderately to strongly magnetic, mafic hyaloclastite
GS-15-201	7741149	N16-L03-28	2016	236982	6039746	21	NAD27	13K/06	Grab	15G.W.S.284			Fe-carbonate-rich dolostone
GS-15-202	7741151	N16-L03-29	2016	238420	6039775	21	NAD27	13K/06	Grab	15G.W.S.285			Cataclastic breccia (?)

Open File LAB/1692 - Appendix G1: Raw Data and Detection Limits - Becquerel: INAA

SampleNum	LabNum	Rock Type	Analysis	BecWt	ActLabWt	Ag	As	Au	Ba	Br	Ca	Cd	Ce	Co	Cr	Cs	Eu	Fe	Hf	Hg
Unit				grams	grams	ppm	ppm	ppb	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Lower Detection Limit						2, 5	0.5	1 to 5	50, 130	0.5, 1	1	5	3 to 46	1 to 5	5 to 20	0.5, 1	0.2 to 1	0.01 to 0.2	1	1
Analysis Method						INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-07-001	7740001	Felsic tuff	Becquerel	10.24	-99	-2	37.0	-2	76	-0.5	-99	-5	220	-5	40	-0.5	-1	1.5	14	-99
GS-07-011	7740159	Felsic tuff	Becquerel	12.58	-99	-2	1.8	-2	110	0.5	-99	-5	200	-5	-20	-0.5	2	2.3	15	-99
GS-07-029	7740069	Felsic tuff	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	20.01	19.8	-5	3.2	-1	450	-0.5	-1	-99	146	-1	-5	-1	1.8	2.33	11	-1
GS-07-030	7740009	Mafic dyke	Becquerel	11.74	-99	-2	2.5	-2	670	0.6	-99	-5	39	41	-20	2.6	-1	7.5	4	-99
GS-07-037	7740071	Mafic dyke	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	23.14	22.9	-5	4.1	-1	-50	-0.5	5	-99	35	37	78	2	1.3	10.1	2	-1
GS-07-039	7740072	Mafic dyke	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	24.62	24.5	-5	14.1	-1	-50	-0.5	5	-99	54	29	-5	2	2.4	9.05	5	-1
GS-07-055	7740165	Chlorite breccia	Becquerel	12.43	-99	-2	-0.5	-2	-50	0.8	-99	-5	110	8	-20	-0.5	-1	1.6	4	-99
GS-07-072	7740168	Mafic dyke	Becquerel	12.34	-99	-2	7.0	-2	700	0.7	-99	-5	50	32	-20	1.1	1	6.2	3	-99
GS-07-076	7740171	Chlorite breccia	Becquerel	11.72	-99	-2	0.6	-2	230	0.8	-99	-5	17	7	-20	-0.5	-1	1.9	4	-99
GS-07-090	7740013	Mafic dyke	Becquerel	11.41	-99	-2	-0.5	-2	-50	-0.5	-99	-5	-5	90	1300	-0.5	-1	12.0	-1	-99
GS-07-093	7740174	Gneiss	Becquerel	11.77	-99	2	-0.5	-2	510	-0.5	-99	-5	25	7	-20	1.1	-1	1.5	4	-99
GS-07-094	7740015	Pegmatite	Becquerel	10.17	-99	-2	-0.5	-2	110	0.9	-99	-5	10	-5	-20	-0.5	1	0.4	-1	-99
GS-07-098	7740016	Mafic dyke	Becquerel	10.58	-99	-2	1.3	-2	130	-0.5	-99	-5	-22	51	-20	-0.5	1	13.0	9	-99
GS-07-104	7740018	Granodiorite	Becquerel	9.99	-99	-2	-0.5	-2	150	1.2	-99	-5	33	-5	-20	-0.5	-1	0.7	2	-99
GS-07-110	7740177	Hematite breccia	Becquerel	10.55	-99	-2	-0.5	-2	490	1.0	-99	-5	-5	-5	-20	-0.5	-1	0.9	2	-99
GS-07-132	7740026	Basalt	Becquerel	14.34	-99	-2	54.9	5	350	0.7	-99	-5	19	54	82	4.1	-1	13.0	2	-99
GS-07-147	7740073	Pegmatite	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	19.07	19.0	-5	-0.5	-1	-50	-0.5	-1	-99	-3	2	7	-1	-0.2	0.15	3	-1
GS-07-148	7740074	Pegmatite	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	20.28	18.3	-5	-0.5	-1	-50	-0.5	-1	-99	7	-1	-5	-1	-0.2	-0.01	3	-1
GS-07-159	7740028	Metagabbro	Becquerel	13.64	-99	-2	87.2	8	94	1.1	-99	-5	-5	39	310	-0.5	-1	4.5	-1	-99
GS-07-162	7740031	Diorite	Becquerel	11.29	-99	-2	-0.5	-2	730	0.8	-99	-5	47	33	230	0.5	1	6.4	2	-99
GS-07-163	7740032	Diorite	Becquerel	10.84	-99	-2	0.7	-2	860	1.5	-99	-5	45	28	90	1.0	-1	5.2	3	-99
GS-07-167	7740034	Metagabbro	Becquerel	13.90	-99	-2	77.3	40	-50	1.1	-99	-5	-5	40	440	1.1	-1	7.6	1	-99
GS-07-171	7740035	QFP	Becquerel	11.19	-99	-2	2.8	-2	270	-0.5	-99	-5	150	-5	-20	-0.5	-1	1.3	8	-99
GS-07-172	7740075	Granodiorite	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	19.73	19.5	-5	-0.5	-1	-50	-0.5	2	-99	29	13	8	-1	1.1	3.64	3	-1
GS-07-173	7740076	Granodiorite	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	21.02	20.8	-5	-0.5	-1	-50	-0.5	-1	-99	69	14	-5	-1	1.6	3.8	4	-1
GS-07-176	7740077	Pegmatite	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	18.86	18.6	-5	-0.5	-1	-50	-0.5	-1	-99	6	-1	-5	13	-0.2	0.71	3	-1
GS-07-177	7740178	Granodiorite	Becquerel	12.03	-99	-2	-0.5	-2	260	0.6	-99	-5	45	17	-20	0.9	2	4.0	4	-99
GS-07-182	7740038	Pegmatite	Becquerel	10.75	-99	-2	-0.5	-2	270	1.0	-99	-5	19	-5	-20	-0.5	2	0.9	-1	-99
GS-07-186	7740039	Granodiorite	Becquerel	12.24	-99	-2	-0.5	-2	200	0.5	-99	-5	66	18	-20	-0.5	2	3.7	5	-99
GS-07-193	7740078	Pegmatite	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	19.11	18.9	-5	-0.5	-1	290	1.2	-1	-99	7	-1	-5	2	1	0.58	2	-1
GS-07-195	7740079	Pegmatite	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	18.26	18.0	-5	-0.5	-1	320	1.4	-1	-99	4	-1	-5	2	0.4	0.73	2	-1
GS-07-198	7740044	Basalt	Becquerel	15.13	-99	-2	3.8	7	230	-0.5	-99	-5	25	59	44	1.2	1	11.0	3	-99
GS-07-204	7740046	QFP	Becquerel	11.66	-99	-2	3.6	6	610	1.9	-99	8	220	6	-20	-0.5	-1	3.1	12	-99
GS-07-214	7740048	Felsic dyke	Becquerel	11.57	-99	-2	1.3	-2	79	-0.5	-99	-5	270	-5	-20	0.7	-1	2.0	20	-99
GS-07-215	7740049	Intermed. volcanic	Becquerel	10.91	-99	-2	14.0	-2	1200	-0.5	-99	-5	41	13	53	0.8	-1	4.6	4	-99
GS-07-216	7740051	Intermed. volcanic	Becquerel	11.61	-99	-2	6.5	-2	-50	0.6	-99	-5	79	19	140	-0.5	3	3.6	6	-99
GS-07-220	7740052	Intermed. volcanic	Becquerel	11.69	-99	-2	7.2	-2	1100	-0.5	-99	-5	93	25	30	1.2	4	6.4	9	-99
GS-07-225	7740068	Complex dyke	Becquerel	10.29	-99	-2	4.0	-2	610	-0.5	-99	-5	180	-5	-20	2.9	-1	1.7	13	-99
GS-07-230	7740053	Felsic dyke	Becquerel	11.21	-99	-2	2.9	-2	240	-0.5	-99	-5	350	-5	-20	0.7	-1	2.1	28	-99
GS-07-234	7740056	Felsic volcanic	Becquerel	11.88	-99	-2	3.2	-2	1700	-0.5	-99	-5	190	-5	-20	2.1	-1	2.3	14	-99
GS-07-238	7740058	Complex dyke	Becquerel	11.67	-99	-2	2.2	-2	1300	1.5	-99	-5	330	7	36	-0.5	3	3.3	22	-99
GS-07-240	7740059	Porph. dyke	Becquerel	11.65	-99	-2	2.1	-2	1500	-0.5	-99	-5	260	-5	28	-0.5	2	2.4	14	-99
GS-07-241	7740061	Felsic volcanic	Becquerel	12.38	-99	-2	1.2	-2	1300	-0.5	-99	-5	170	-5	-20	-0.5	-1	1.7	12	-99
GS-07-244	7740187	Felsic volcanic	Becquerel	13.74	-99	-2	1.2	-2	1400	-0.5	-99	-5	160	-5	-20	1.1	-1	2.2	14	-99
GS-07-249	7740063	Complex dyke	Becquerel	12.67	-99	-2	3.6	-2	1700	-0.5	-99	-5	290	-5	-20	0.7	3	3.2	19	-99
GS-07-251	7740064	Porph. dyke	Becquerel	12.11	-99	-2	1.7	8	99	0.5	-99	17	350	7	-20	-0.5	3	2.4	22	-99
GS-07-254	7740066	Mafic dyke	Becquerel	12.28	-99	-2	1.4	-2	1200	-0.5	-99	-5	44	31	36	1.9	2	6.8	3	-99
GS-07-261	7740081	Pegmatite	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	21.03	20.8	-5	-0.5	-1	490	-0.5	-1	-99	11	2	-5	1	-0.2	0.85	2	-1
GS-08-007	7740082	QFP	Becquerel	10.74	-99	-2	78.3	-2	530	0.7	-99	-5	79	9	-20	0.9	-1	3.0	5	-99
GS-08-025	7740086	Basalt	Becquerel	14.75	-99	-2	287	44	150	-0.5	-99	-5	16	54	72	-0.5	-1	10.0	2	-99
GS-08-035	7740088	Metagabbro	Becquerel	12.79	-99	-2	1.0	3	130	0.9	-99	-5	-5	42	1200	1.1	-1	4.7	-1	-99
GS-08-043	7740092	Basalt	Becquerel	17.77	-99	-2	16.0	7	99	0.5	-99	-5	20	51	55	-0.5	-1	10.0	3	-99
GS-08-053	7740096	Basalt	Becquerel	13.85	-99	-2	1.2	4	60	-0.5	-99	-5	-5	51	250	-0.5	-1	7.0	1	-99
GS-08-063	7740097	Breccia	Becquerel	12.28	-99	-2	1.9	4	-50	-0.5	-99	-5	7	40	180	-0.5	-1	5.9	-1	-99
GS-08-068	7740098	Basalt	Becquerel	13.60	-99	-2	45.0	8	-50	-0.5	-99	-5	-5	50	200	-0.5	-1	7.7	1	-99
GS-08-074	7740099	Granite	Becquerel	11.03	-99	-2	0.9	-2	110	-0.5	-99	-5	96	-5	-20	-0.5	-1	0.6	6	-99
GS-08-076	7740102	Granite	Becquerel	12.24	-99	-2	-0.5	-2	-50	-0.5	-99	-5	98	-5	-20	-0.5	-1	0.6	8	-99
GS-08-078	7740103	Granodiorite	Becquerel	11.87	-99	-2	0.7	-2	1200	0.6	-99	-5	99	9	-20	1.1	2	3.4	6	-99

Open File LAB/1692 - Appendix G1: Raw Data and Detection Limits - Becquerel: INAA

SampleNum	LabNum	Rock Type	Analysis	BecWt	ActLabWt	Ag	As	Au	Ba	Br	Ca	Cd	Ce	Co	Cr	Cs	Eu	Fe	Hf	Hg
Unit				grams	grams	ppm	ppm	ppb	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Lower Detection Limit						2, 5	0.5	1 to 5	50, 130	0.5, 1	1	5	3 to 46	1 to 5	5 to 20	0.5, 1	0.2 to 1	0.01 to 0.2	1	1
Analysis Method						INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-08-081	7740106	Granodiorite	Becquerel	12.79	-99	-2	1.6	-2	1300	-0.5	-99	-5	85	10	-20	0.7	-1	4.2	7	-99
GS-08-090	7740113	Granite	Becquerel	13.17	-99	-2	1.2	3	59	-0.5	-99	-5	140	-5	-20	-0.5	-1	0.7	8	-99
GS-08-176	7740122	Felsic volcanic	Becquerel	13.69	-99	-2	1.2	-2	1300	0.9	-99	-5	160	-5	-20	1.1	-1	1.8	11	-99
GS-08-184	7740129	Felsic volcanic	Becquerel	11.66	-99	-2	2.1	-2	770	-0.5	-99	-5	160	-5	-20	0.9	-1	1.5	9	-99
GS-08-193	7740137	Felsic volcanic	Becquerel	13.05	-99	-2	1.9	-2	1800	-0.5	-99	-5	230	-5	-20	1.0	-1	3.2	16	-99
GS-08-196	7740138	Complex dyke	Becquerel	13.14	-99	-2	3.3	-2	1400	-0.5	-99	-5	360	-5	-20	2.5	-1	4.0	22	-99
GS-08-198	7740139	Felsic volcanic	Becquerel	13.54	-99	-2	0.7	-2	59	-0.5	-99	-5	190	-5	-20	-0.5	-1	1.2	10	-99
GS-08-204	7740143	Diorite	Becquerel	15.49	-99	-2	-0.5	-2	1200	2.3	-99	-5	110	26	-20	1.3	-1	6.1	5	-99
GS-08-205	7740144	Felsic volcanic	Becquerel	13.45	-99	-2	-0.5	3	1100	-0.5	-99	-5	180	-5	-20	1.2	-1	1.7	10	-99
GS-08-206	7740145	Granite	Becquerel	13.04	-99	-2	1.1	3	690	-0.5	-99	-5	140	-5	-20	4.3	-1	1.2	9	-99
GS-08-215	7740148	Felsic volcanic	Becquerel	11.28	-99	-2	3.5	-2	1600	0.8	-99	-5	160	-5	-20	1.1	2	2.2	13	-99
GS-08-217	7740149	Mafic dyke	Becquerel	13.59	-99	-2	-0.5	-2	1200	-0.5	-99	-5	42	55	110	0.5	2	10.0	2	-99
GS-08-225	7740152	Diorite	Becquerel	13.42	-99	-2	6.9	-5	850	0.7	-99	-5	76	33	64	2.6	2	7.7	6	-99
GS-08-233	7740155	Intermed. volcanic	Becquerel	15.08	-99	-2	9.0	-4	1200	-0.5	-99	-5	100	24	22	0.6	3	5.9	8	-99
GS-08-235	7740157	Intermed. volcanic	Becquerel	13.27	-99	-2	7.6	15	840	-0.5	-99	-5	110	22	-20	0.6	2	6.1	8	-99
GS-08-247	7740198	Felsic volcanic	Becquerel	11.71	-99	-2	2.5	-2	160	-0.5	-99	-5	76	-5	-20	0.8	-1	1.2	9	-99
GS-08-252B	7740259	Felsic volcanic	Becquerel	9.59	-99	-2	0.7	-2	140	-0.5	-99	-5	25	6	-20	0.9	-1	1.3	7	-99
GS-08-253	7740199	Felsic volcanic	Becquerel	11.65	-99	-2	-0.5	-2	280	1.0	-99	-5	160	-5	-20	-0.5	-1	1.7	18	-99
GS-08-282	7740203	Felsic volcanic	Becquerel	13.37	-99	-2	6.6	-2	510	-0.5	-99	-5	210	-5	-20	-0.5	2	2.3	23	-99
GS-08-288	7740204	Felsic volcanic	Becquerel	11.82	-99	-2	3.5	-2	370	0.9	-99	-5	150	-5	-20	-0.5	-1	1.6	13	-99
GS-08-302	7740205	Gabbro	Becquerel	14.65	-99	-2	3.7	-2	280	-0.5	-99	-5	69	55	110	-0.5	2	13.0	6	-99
GS-08-304	7740206	Gabbro	Becquerel	13.96	-99	-2	5.2	-2	270	-0.5	-99	-5	100	52	67	-0.5	4	14.0	9	-99
GS-08-305	7740207	Gabbro	Becquerel	14.92	-99	-2	3.9	-2	640	-0.5	-99	-5	25	56	48	1.8	2	8.7	2	-99
GS-09-009	7740261	Granodiorite	Becquerel	9.85	-99	-2	0.6	-2	180	1.2	-99	-5	26	6	-20	-0.5	1	0.5	3	-99
GS-09-010	7740262	Granodiorite	Becquerel	9.24	-99	-2	-0.5	-2	300	-0.5	-99	-5	31	8	-20	-0.5	1	1.4	4	-99
GS-09-011	7740263	Mafic dyke	Becquerel	10.82	-99	-2	-0.5	-2	-50	-0.5	-99	-5	-5	49	150	-0.5	-1	6.9	1	-99
GS-09-020	7740264	Gneiss	Becquerel	10.53	-99	-2	-0.5	-2	500	1.5	-99	-5	6	-5	-20	-0.5	-1	0.4	2	-99
GS-09-022	7740265	Granodiorite	Becquerel	9.18	-99	-2	-0.5	-2	870	1.1	-99	-5	15	-5	-20	-0.5	-1	0.6	2	-99
GS-09-023	7740266	Gneiss	Becquerel	11.68	-99	-2	-0.5	-2	710	0.9	-99	-5	93	7	-20	-0.5	1	1.4	5	-99
GS-09-024	7740267	Granodiorite	Becquerel	9.19	-99	-2	-0.5	-2	240	1.1	-99	-5	29	-5	-20	-0.5	-1	0.8	3	-99
GS-09-035	7740268	Granodiorite	Becquerel	10.08	-99	-2	-0.5	-2	360	1.6	-99	-5	42	10	-20	0.8	-1	2.1	3	-99
GS-09-036	7740269	Granodiorite	Becquerel	10.80	-99	-2	-0.5	-2	480	1.2	-99	-5	14	-5	-20	-0.5	-1	0.9	3	-99
GS-09-041	7740271	Granodiorite	Becquerel	9.79	-99	-2	-0.5	-2	590	0.6	-99	-5	67	7	-20	-0.5	-1	1.2	5	-99
GS-09-069	7740272	Granodiorite	Becquerel	9.92	-99	-2	2.3	-2	82	1.8	-99	-5	37	8	-20	-0.5	1	3.8	5	-99
GS-09-075	7740273	Pegmatite	Becquerel	10.53	-99	-2	-0.5	-2	-50	1.1	-99	-5	-5	-5	-20	-0.5	-1	-0.2	5	-99
GS-09-077	7740274	Mafic dyke	Becquerel	13.34	-99	-2	5.3	-2	280	-0.5	-99	-5	27	45	100	-0.5	2	8.8	2	-99
GS-09-079	7740275	Intermed. volcanic	Becquerel	12.18	-99	-2	-0.5	-2	3100	-0.5	-99	-5	20	-5	-20	-0.5	-1	2.4	3	-99
GS-09-087	7740276	Intermed. volcanic	Becquerel	11.70	-99	-2	1.0	-2	420	-0.5	-99	-5	46	9	24	-0.5	-1	1.9	4	-99
GS-09-088	7740277	Intermed. volcanic	Becquerel	11.61	-99	-2	1.3	-2	900	-0.5	-99	-5	79	15	32	0.7	-1	4.1	5	-99
GS-09-090	7740278	Intermed. volcanic	Becquerel	10.80	-99	-2	1.5	-2	820	-0.5	-99	-5	61	14	50	-0.5	-1	4.4	4	-99
GS-09-098	7740279	Felsic volcanic	Becquerel	12.06	-99	-2	4.6	-2	130	-0.5	-99	-5	140	-5	-20	-0.5	-1	1.1	9	-99
GS-09-099	7740281	Intermed. volcanic	Becquerel	11.47	-99	-2	3.3	-2	610	-0.5	-99	-5	58	26	180	2.4	-1	4.7	2	-99
GS-09-100	7740282	Felsic volcanic	Becquerel	11.21	-99	-2	2.8	-2	690	-0.5	-99	-5	330	-5	-20	-0.5	-1	1.5	17	-99
GS-09-111	7740283	Fe-carb./hem. alt.	Becquerel	12.26	-99	-2	2.9	7	-50	-0.5	-99	-5	-5	41	150	-0.5	-1	6.6	1	-99
GS-09-112	7740284	Argillite	Becquerel	11.12	-99	-2	19.0	12	-50	1.1	-99	-5	14	18	92	-0.5	-1	13.0	1	-99
GS-09-114	7740285	Mafic dyke	Becquerel	14.84	-99	-2	17.0	-2	170	-0.5	-99	-5	19	50	-20	-0.5	2	15.0	6	-99
GS-09-127	7740286	Felsic volcanic	Becquerel	12.27	-99	-2	7.5	-2	71	-0.5	-99	-5	150	-5	-20	3.6	-1	0.8	9	-99
GS-09-134	7740287	Felsic volcanic	Becquerel	11.54	-99	-2	7.8	-2	-50	-0.5	-99	-5	150	-5	-20	3.4	-1	0.8	8	-99
GS-09-137	7740288	Felsic volcanic	Becquerel	14.14	-99	-2	9.5	-2	-50	-0.5	-99	-5	-5	54	230	-0.5	-1	7.9	2	-99
GS-09-150	7740289	Tonalite	Becquerel	12.47	-99	-2	-0.5	-2	530	0.6	-99	-5	19	6	-20	0.7	-1	1.6	3	-99
GS-09-151	7740291	Dolostone	Becquerel	11.36	-99	-2	58.9	8	130	0.8	-99	-5	18	5	-20	-0.5	-1	2.6	-1	-99
GS-09-152	7740292	Dolostone	Becquerel	13.67	-99	-2	3.4	-2	170	0.5	-99	-5	14	-5	-20	-0.5	-1	1.6	-1	-99
GS-09-155	7740293	Dolostone	Becquerel	11.72	-99	-2	7.3	-2	120	1.2	-99	-5	6	-5	-20	-0.5	-1	0.8	-1	-99
GS-09-157	7740294	Dolostone	Becquerel	12.60	-99	-2	21.0	-2	78	1.7	-99	-5	25	-5	-20	0.7	2	1.7	-1	-99
GS-09-158	7740295	Tonalite	Becquerel	11.62	-99	-2	23.0	-2	260	1.2	-99	-5	32	13	-20	1.3	-1	2.0	3	-99

Open File LAB/1692 - Appendix G1: Raw Data and Detection Limits - Becquerel: INAA

SampleNum	LabNum	Rock Type	Analysis	BecWt	ActLabWt	Ag	As	Au	Ba	Br	Ca	Cd	Ce	Co	Cr	Cs	Eu	Fe	Hf	Hg
Unit				grams	grams	ppm	ppm	ppb	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Lower Detection Limit						2, 5	0.5	1 to 5	50, 130	0.5, 1	1	5	3 to 46	1 to 5	5 to 20	0.5, 1	0.2 to 1	0.01 to 0.2	1	1
Analysis Method						INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-09-159	7740296	Dolostone	Becquerel	14.14	-99	-2	26.0	-2	140	1.1	-99	-5	20	6	-20	-0.5	1	2.4	-1	-99
GS-09-164	7740297	Mafic dyke	Becquerel	16.93	-99	-2	-0.5	-2	-50	-0.5	-99	-5	32	33	-20	0.6	2	13.0	7	-99
GS-09-165	7740298	Argillite	Becquerel	12.78	-99	-2	680	64	-50	1.9	-99	-5	13	37	110	-0.5	1	18.0	-1	-99
GS-09-177	7740299	Mafic tuff	Becquerel	14.98	-99	-2	5.0	6	140	-0.5	-99	-5	-5	53	50	5.5	-1	8.6	1	-99
GS-09-193	7740301	Felsic tuff	Becquerel	14.17	-99	-2	14.0	-2	1000	-0.5	-99	-5	110	8	32	0.6	1	2.1	5	-99
GS-09-197	7740302	Mafic tuff	Becquerel	15.87	-99	-2	2.9	-2	80	0.9	-99	-5	18	41	150	-0.5	1	7.0	2	-99
GS-09-199	7740303	Mafic tuff	Becquerel	14.28	-99	-2	1.0	64	200	-0.5	-99	-5	25	49	160	4.5	2	8.8	3	-99
GS-09-200	7740304	Mafic tuff	Becquerel	14.72	-99	-2	2.8	-2	-130	1.7	-99	-5	-46	36	110	-0.5	1	8.0	3	-99
GS-09-201	7740305	QFP	Becquerel	11.97	-99	-2	3.0	-2	780	-0.5	-99	-5	150	-5	-20	-0.5	-1	1.3	5	-99
GS-09-222	7740306	Mafic dyke	Becquerel	11.69	-99	-2	0.7	-2	220	-0.5	-99	-5	-5	45	240	2.6	-1	6.6	2	-99
GS-14-001	7740903	Gneiss	Becquerel	20.74	-99	-99	-0.5	-1	740	1	-99	-99	12	6	20	-0.5	-0.5	1.5	2	-99
GS-14-002	7740904	Mafic dyke	Becquerel	26.17	-99	-99	1.1	-1	300	-1	-99	-99	16	54	120	1.5	0.8	8.8	2	-99
GS-14-006	7740905	Pegmatite	Becquerel	19.71	-99	-99	-0.5	-1	2400	-1	-99	-99	7	-2	-10	0.7	-0.5	0.3	2	-99
GS-14-007	7740906	Granodiorite	Becquerel	22.01	-99	-99	-0.5	-1	490	-1	-99	-99	82	6	-10	0.6	1.4	2.6	5	-99
GS-14-011	7740907	Mafic dyke	Becquerel	21.99	-99	-99	2.3	3	150	-1	-99	-99	120	44	77	-0.5	3.7	13.0	11	-99
GS-14-019	7740908	Granodiorite	Becquerel	18.00	-99	-99	-0.5	-1	530	1	-99	-99	27	16	-10	1.6	1.3	5.8	2	-99
GS-14-035	7740912	Granodiorite	Becquerel	22.80	-99	-99	0.6	-1	650	1	-99	-99	53	26	30	-0.5	1.4	5.4	3	-99
GS-14-039	7740914	Gneiss	Becquerel	21.36	-99	-99	-0.5	-1	460	2	-99	-99	26	-2	-10	0.5	-0.5	0.7	3	-99
GS-14-040	7740915	Granodiorite	Becquerel	20.80	-99	-99	0.6	-1	850	2	-99	-99	12	-2	-10	0.7	-0.5	0.7	2	-99
GS-14-043	7740917	Mafic dyke	Becquerel	21.49	-99	-99	1.1	-1	630	2	-99	-99	42	28	67	1.2	1.2	5.6	3	-99
GS-14-049	7740918	Basalt	Becquerel	18.08	-99	-99	4.9	3	-50	-1	-99	-99	-3	45	150	-0.5	0.7	8.5	-1	-99
GS-14-060	7740921	Conglomerate	Becquerel	16.61	-99	-99	2.1	-1	740	-1	-99	-99	100	3	28	0.8	0.8	2.5	8	-99
GS-14-092	7740932	Granodiorite	Becquerel	21.18	-99	-99	-0.5	-1	170	-1	-99	-99	4	-2	-10	-0.5	0.6	1.0	2	-99
GS-14-094	7740933	Granodiorite	Becquerel	18.82	-99	-99	-0.5	-1	160	-1	-99	-99	5	7	-10	-0.5	-0.5	2.1	3	-99
GS-14-095	7740934	Granodiorite	Becquerel	20.24	-99	-99	-0.5	-1	160	1	-99	-99	29	5	-10	-0.5	-0.5	1.4	5	-99
GS-14-099	7740937	Mafic dyke	Becquerel	23.13	-99	-99	-0.5	-1	-50	-1	-99	-99	-3	110	1870	-0.5	0.6	10.0	-1	-99
GS-14-101	7740938	Granodiorite	Becquerel	22.46	-99	-99	-0.5	-1	280	1	-99	-99	67	4	-10	-0.5	-0.5	1.3	4	-99
GS-14-106	7740941	Granodiorite	Becquerel	21.68	-99	-99	-0.5	1	270	1	-99	-99	54	13	31	-0.5	1.0	3.2	5	-99
GS-14-112	7740944	Granodiorite	Becquerel	26.60	-99	-99	1.6	-1	61	2	-99	-99	39	-2	36	-0.5	2.1	2.3	6	-99
GS-14-113	7740945	Breccia	Becquerel	21.17	-99	-99	2.3	34	-50	-1	-99	-99	10	65	170	-0.5	0.6	8.9	2	-99
GS-14-114	7740946	Breccia	Becquerel	21.86	-99	-99	4.0	-1	-50	-1	-99	-99	-3	43	110	-0.5	0.7	8.1	-1	-99
GS-14-118	7740949	Fe-carb./hem. alt.	Becquerel	18.28	-99	-99	4.8	1	-50	-1	-99	-99	6	38	100	-0.5	0.8	5.9	2	-99
GS-14-120	7740951	Breccia	Becquerel	19.43	-99	-99	4.9	2	-50	-1	-99	-99	-11	37	110	-0.5	-0.5	7.8	3	-99
GS-14-129	7740953	Gabbro	Becquerel	24.84	-99	-99	3.1	2	820	2	-99	-99	46	32	320	1.9	1.0	5.7	3	-99
GS-14-131	7740955	Diorite	Becquerel	24.09	-99	-99	3.0	-1	790	1	-99	-99	46	45	1020	2.2	0.5	5.8	3	-99
GS-14-132	7740956	Gabbro	Becquerel	22.56	-99	-99	1.0	-1	340	4	-99	-99	20	100	3270	1.6	0.6	7.3	-1	-99
GS-14-142	7740958	Basalt	Becquerel	23.25	-99	-99	47.0	2	-50	-1	-99	-99	-3	50	250	1.0	-0.5	9.0	-1	-99
GS-14-169	7740964	Granite	Becquerel	17.98	-99	-99	0.9	1	730	1	-99	-99	82	-2	-10	1.3	-0.5	1.7	6	-99
GS-14-170	7740965	Granite	Becquerel	15.61	-99	-99	0.6	-1	900	-1	-99	-99	89	2	-10	1.3	0.7	2.2	7	-99
GS-14-171	7740966	Granodiorite	Becquerel	19.84	-99	-99	-0.5	-1	470	-1	-99	-99	51	7	12	1.0	0.7	2.2	6	-99
GS-14-172	7740967	Semipelite	Becquerel	19.60	-99	-99	5.4	-1	820	-1	-99	-99	87	2	17	0.6	0.9	1.5	4	-99
GS-14-173	7740968	Amphibolite	Becquerel	23.68	-99	-99	17.0	6	200	-1	-99	-99	26	50	68	1.0	1.0	10.4	3	-99
GS-14-174	7740969	QFP	Becquerel	18.35	-99	-99	0.6	-1	2000	-1	-99	-99	110	-2	-10	0.5	0.9	0.9	6	-99
GS-14-176	7740971	Semipelite	Becquerel	23.26	-99	-99	2.5	11	-50	-1	-99	-99	19	12	16	-0.5	1.3	8.0	5	-99
GS-14-177	7740972	Amphibolite	Becquerel	26.05	-99	-99	3.0	2	51	-1	-99	-99	5	49	520	12	0.7	8.3	-1	-99
GS-14-180	7740973	Felsic dyke	Becquerel	23.14	-99	-99	-0.5	-1	620	-1	-99	-99	73	-2	-10	4.7	0.9	0.8	5	-99
GS-14-181	7740974	Basalt	Becquerel	25.33	-99	-99	-0.5	4	87	-1	-99	-99	8	42	170	115	0.7	9.1	-1	-99
GS-14-184	7740975	Granodiorite	Becquerel	19.81	-99	-99	-0.5	-1	670	-1	-99	-99	29	8	17	-0.5	-0.5	2.2	4	-99
GS-14-192	7740978	Granodiorite	Becquerel	20.95	-99	-99	-0.5	-1	500	-1	-99	-99	35	11	-10	0.8	1.4	3.1	6	-99
GS-14-197	7740979	Intermed. volcanic	Becquerel	23.55	-99	-99	4.2	1	630	-1	-99	-99	28	54	1460	1.6	1.0	6.3	2	-99
GS-14-198	7740981	Intermed. volcanic	Becquerel	19.25	-99	-99	4.1	2	540	-1	-99	-99	30	48	1090	1.3	0.8	6.4	2	-99
GS-14-199	7740982	Felsic volcanic	Becquerel	22.71	-99	-99	2.7	-1	560	-1	-99	-99	100	-2	10	3.5	0.5	1.3	8	-99
GS-14-200	7740983	Felsic volcanic	Becquerel	23.56	-99	-99	3.0	-1	230	-1	-99	-99	110	-2	-10	2.5	-0.5	0.9	6	-99
GS-14-201	7740984	Felsic volcanic	Becquerel	18.93	-99	-99	1.6	1	510	-1	-99	-99	130	-2	12	2.6	-0.5	2.4	7	-99
GS-14-220	7740986	Intermed. volcanic	Becquerel	19.77	-99	-99	0.7	-1	1600	-1	-99	-99	170	-2	-10	-0.5	1.5	2.4	13	-99
GS-14-227	7740987	Granodiorite	Becquerel	18.24	-99	-99	2.5	-1	790	-1	-99	-99	69	4	16	1.8	0.8	1.7	4	-99
GS-14-230	7740988	Complex dyke	Becquerel	22.65	-99	-99	4.8	-3	620	-1	-99	-99	328	3	17	-0.5	3.4	4.4	21	-99
GS-14-232	7740989	Felsic volcanic	Becquerel	23.76	-99	-99	0.9	-1	930	-1	-99	-99	210	-2	13	-0.5	1.4	2.1	14	-99

Open File LAB/1692 - Appendix G1: Raw Data and Detection Limits - Becquerel: INAA

SampleNum	LabNum	Rock Type	Analysis	BecWt	ActLabWt	Ag	As	Au	Ba	Br	Ca	Cd	Ce	Co	Cr	Cs	Eu	Fe	Hf	Hg
Unit				grams	grams	ppm	ppm	ppb	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm
Lower Detection Limit						2, 5	0.5	1 to 5	50, 130	0.5, 1	1	5	3 to 46	1 to 5	5 to 20	0.5, 1	0.2 to 1	0.01 to 0.2	1	1
Analysis Method						INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-14-245	7740991	Basalt	Becquerel	23.87	-99	-99	1.9	2	390	-1	-99	-99	18	80	2060	3.9	-0.5	6.8	1	-99
GS-14-246	7740992	Monzonite	Becquerel	23.98	-99	-99	1.1	2	1300	-1	-99	-99	100	8	18	1.0	1.5	3.4	11	-99
GS-14-247	7740993	Basalt	Becquerel	24.05	-99	-99	0.8	2	450	-1	-99	-99	31	50	1000	2.0	0.7	6.3	2	-99
GS-14-249	7740994	Felsic volcanic	Becquerel	22.70	-99	-99	5.4	1	650	-1	-99	-99	150	-2	12	1.1	-0.5	1.2	8	-99
GS-15-034	7741029	Basalt	Becquerel	15.91	-99	-99	2.1	-1	60	-1	-99	-99	-3	39	110	1.1	-0.5	7.3	2	-99
GS-15-039	7741031	breccia	Becquerel	19.36	-99	-99	3.7	-1	-50	-1	-99	-99	8	41	92	-0.5	0.6	7.5	-1	-99
GS-15-046	7741034	Hyaloclastite	Becquerel	20.04	-99	-99	-0.5	-1	55	-1	-99	-99	94	100	1060	3.4	3.6	14.4	9	-99
GS-15-049	7741036	Basalt	Becquerel	17.41	-99	-99	53.3	-1	64	-1	-99	-99	11	51	180	1.1	-0.5	10.0	2	-99
GS-15-051	7741037	Breccia	Becquerel	20.25	-99	-99	19.0	2	-50	-1	-99	-99	28	48	91	-0.5	1.6	10.0	4	-99
GS-15-053	7741038	Hematite breccia	Becquerel	22.19	-99	-99	39.0	4	-50	-1	-99	-99	13	43	27	1.1	0.9	14.6	4	-99
GS-15-055	7741041	Hematite breccia	Becquerel	19.21	-99	-99	5.7	-1	-50	-1	-99	-99	-3	42	85	-0.5	-0.5	6.4	-1	-99
GS-15-056	7741042	Hematite breccia	Becquerel	15.68	-99	-99	6.0	-1	-50	-1	-99	-99	-3	30	130	-0.5	-0.5	12.1	-1	-99
GS-15-064	7741047	Granite	Becquerel	15.14	-99	-99	-0.5	-1	81	-1	-99	-99	12	-2	-10	4.3	-0.5	0.7	5	-99
GS-15-065	7741048	Porph. dyke	Becquerel	16.52	-99	-99	0.9	-1	1300	-1	-99	-99	190	3	12	0.8	1.3	4.3	13	-99
GS-15-075	7741058	Felsic volcanic	Becquerel	20.83	-99	-99	2.4	-1	1000	-1	-99	-99	140	5	-10	-0.5	1.5	4.0	12	-99
GS-15-078	7741062	Felsic volcanic	Becquerel	13.60	-99	-99	3.1	-1	510	-1	-99	-99	110	-2	13	-0.5	-0.5	2.7	11	-99
GS-15-167	7741129	Felsic volcanic	Becquerel	22.07	-99	-99	27.0	-1	1000	-1	-99	-99	100	4	24	4.3	1.5	3.9	6	-99
GS-15-168	7741131	Felsic volcanic	Becquerel	24.68	-99	-99	5.3	-1	1700	-1	-99	-99	10	-2	-10	4.3	-0.5	0.8	8	-99
GS-15-178	7741138	Felsic volcanic	Becquerel	21.35	-99	-99	1.0	-1	78	-1	-99	-99	100	-2	16	-0.5	-0.5	1.9	20	-99
GS-15-199	7741147	Hyaloclastite	Becquerel	28.09	-99	-99	5.0	3	64	-1	-99	-99	90	120	1030	6.0	3.5	15.6	11	-99
GS-15-200	7741148	Hyaloclastite	Becquerel	26.24	-99	-99	-0.5	2	100	-1	-99	-99	90	110	1010	7.3	3.5	14.9	10	-99
GS-15-201	7741149	Dolostone	Becquerel	21.13	-99	-99	4.2	7	-50	-1	-99	-99	-3	13	19	-0.5	-0.5	5.4	-1	-99
GS-15-202	7741151	Breccia	Becquerel	22.65	-99	-99	2.2	-1	1300	-1	-99	-99	48	7	30	-0.5	0.6	1.2	5	-99

Open File LAB/1692 - Appendix G1: Raw Data and Detection Limits - Becquerel: INAA

SampleNum	LabNum	Ir	La	Lu	Mo	Na	Nd	Ni	Rb	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	U	W	Yb	Zn	Zr
Unit		ppb	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		5, 50	0.5 to 2	0.05, 0.2	1 to 9	0.01 to 0.05	5	10, 20	5, 12	0.1	0.1	1 to 5	0.1 to 11	0.01, 100	0.05	0.2, 0.5	0.5	10 to 24	0.1, 0.2	0.1 to 0.5	1	0.2 to 2	50, 100	100 to 660
Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-07-001	7740001	-50	100	0.4	-2	4.35	-99	-10	13	0.4	1.2	-5	18.7	-100	-99	3.4	2.3	-10	20.0	10.0	-1	8	200	630
GS-07-011	7740159	-50	97	-0.2	-2	3.83	-99	-10	51	0.3	1.2	-5	15.9	-100	-99	1.9	1.8	-10	13.0	18.0	-1	8	210	520
GS-07-029	7740069	-5	97.2	1.23	-1	3.01	73	150	81	-0.1	1.2	-1	14.6	-0.01	-0.05	-0.2	1.9	-99	11.3	11.9	-1	7.6	140	-100
GS-07-030	7740009	-50	19	-0.2	-1	3.32	-99	52	110	0.6	23.9	-5	4.4	-100	-99	-0.5	0.6	-10	1.5	1.7	-1	3	270	-200
GS-07-037	7740071	-5	19.1	-0.05	125	3.6	28	-20	133	0.4	26.6	-1	6	-0.01	-0.05	-0.2	0.8	-99	-0.2	377	-1	2.8	840	1600
GS-07-039	7740072	-5	30.7	0.63	-1	4.57	32	-20	-5	1.7	38.2	-1	7.4	-0.01	-0.05	-0.2	1.2	-99	2.6	-0.5	-1	3.8	680	500
GS-07-055	7740165	-50	44	-0.2	10	6.17	-99	12	-5	-0.1	2.6	-5	-5.0	-100	-99	0.5	-0.5	-10	6.0	152	-1	-2	-100	-410
GS-07-072	7740168	-50	24	-0.2	2	4.02	-99	24	67	1.1	23.5	-5	4.6	-100	-99	0.6	0.6	-10	3.2	1.6	-1	-2	160	-200
GS-07-076	7740171	-50	9	-0.2	-1	5.85	-99	-10	25	-0.1	5.8	-5	0.4	-100	-99	0.6	-0.5	-10	0.5	10.0	-1	-2	-100	-200
GS-07-090	7740013	-50	4	-0.2	54	0.20	-99	520	-5	-0.1	33.4	-5	2.2	-100	-99	-0.5	-0.5	-10	0.4	4.8	-1	-2	200	-200
GS-07-093	7740174	-50	15	-0.2	-1	4.85	-99	-10	53	-0.1	5.4	-5	1.2	-100	-99	-0.5	-0.5	-10	2.1	4.7	-1	-2	-100	-200
GS-07-094	7740015	-50	7	-0.2	7	6.30	-99	-10	21	-0.1	2.5	-5	-1.0	-100	-99	1.3	-0.5	-10	3.5	28.0	-1	-2	-100	-200
GS-07-098	7740016	-50	6	-0.2	-5	2.09	-99	58	-12	-0.1	28.2	-5	-4.6	-100	-99	0.9	0.6	-10	13.0	144	2	2	400	-630
GS-07-104	7740018	-50	17	-0.2	-1	5.67	-99	14	23	-0.1	2.0	-5	0.9	-100	-99	-0.5	-0.5	-10	3.4	8.5	-1	-2	-100	-200
GS-07-110	7740177	-50	3	-0.2	-1	4.30	-99	-10	27	-0.1	1.1	-5	-0.2	-100	-99	-0.5	-0.5	-10	1.2	5.2	-1	-2	-100	-200
GS-07-132	7740026	-50	9	0.3	-1	1.70	-99	80	62	0.6	45.2	-5	3.6	-100	-99	-0.5	-0.5	-10	1.5	-0.2	2	2	210	-200
GS-07-147	7740073	-5	14.1	-0.05	-1	1.88	34	180	241	-0.1	0.5	-1	5.6	-0.01	-0.05	-0.2	-0.5	-99	6	537	-1	-0.2	-50	2200
GS-07-148	7740074	-5	3.9	0.12	-1	5.62	9	-20	42	-0.1	0.7	-1	2	-0.01	-0.05	4.9	-0.5	-99	7.9	6.7	-1	0.9	-50	-100
GS-07-159	7740028	-50	-2	-0.2	1	1.40	-99	190	21	0.4	44.4	-5	0.8	-100	-99	-0.5	-0.5	-10	-0.2	-0.2	-1	-2	160	-200
GS-07-162	7740031	-50	24	-0.2	-1	2.15	-99	29	38	-0.1	34.2	-5	5.0	-100	-99	0.7	0.6	-10	4.4	1.2	-1	-2	-100	-200
GS-07-163	7740032	-50	22	-0.2	-1	2.32	-99	18	53	-0.1	23.0	-5	4.2	-100	-99	-0.5	-0.5	-10	4.2	1.2	-1	-2	120	-200
GS-07-167	7740034	-50	-2	0.3	-1	1.80	-99	190	13	0.5	40.8	-5	1.5	-100	-99	-0.5	-0.5	-10	0.3	-0.2	-1	-2	-100	-200
GS-07-171	7740035	-50	81	-0.2	26	1.90	-99	-10	58	0.4	1.1	-5	2.2	-100	-99	1.6	0.7	-10	13.0	65.2	-1	-2	-100	-200
GS-07-172	7740075	-5	18.3	0.11	-1	5.55	22	-20	-5	-0.1	7.6	-1	3.7	-0.01	-0.05	-0.2	-0.5	-99	1.1	2.5	-1	0.7	120	-100
GS-07-173	7740076	-5	46.5	0.22	-1	5.83	30	-20	-5	-0.1	10	-1	5.2	-0.01	0.07	-0.2	-0.5	-99	3.1	43.5	-1	1.2	160	-100
GS-07-176	7740077	-5	2.2	0.4	-1	3.77	-5	-20	183	-0.1	1.8	-1	0.8	-0.01	-0.05	4.5	-0.5	-99	16.8	5.7	-1	2.2	-50	-100
GS-07-177	7740178	-50	20	-0.2	-1	3.74	-99	24	44	-0.1	10.0	-5	5.3	-100	-99	-0.5	-0.5	-10	0.2	0.7	-1	-2	140	-200
GS-07-182	7740038	-50	11	-0.2	-1	6.46	-99	-10	15	-0.1	1.4	-5	0.8	-100	-99	5.6	-0.5	-10	2.0	11.0	-1	-2	-100	-200
GS-07-186	7740039	-50	30	-0.2	-1	4.29	-99	24	34	-0.1	11.0	-5	5.9	-100	-99	0.6	-0.5	-10	0.9	0.3	-1	-2	130	-200
GS-07-193	7740078	-5	3	-0.05	-1	2.55	-5	-20	76	-0.1	1.6	-1	2.1	-0.01	-0.05	-0.2	-0.5	-99	168	52.2	-1	1.5	-50	300
GS-07-195	7740079	-5	1.9	0.13	4	1.74	-5	-20	149	-0.1	0.6	-1	0.9	-0.01	-0.05	-0.2	-0.5	-99	38.4	24.6	-1	0.6	-50	-100
GS-07-198	7740044	-50	9	0.3	-1	2.25	-99	56	26	0.3	40.5	-5	3.6	-100	-99	0.8	0.7	-10	1.4	-0.2	-1	3	180	-200
GS-07-204	7740046	-50	110	-0.2	36	3.46	-99	21	62	0.2	2.8	-5	-11.0	-100	-99	1.1	0.6	-24	20.0	324	-1	3	1100	-660
GS-07-214	7740048	-50	130	0.5	5	2.53	-99	-10	210	0.1	1.9	-5	18.6	-100	-99	3.2	2.5	-10	34.9	14.0	2	10	150	790
GS-07-215	7740049	-50	22	-0.2	-1	5.56	-99	-10	47	4.1	17.0	-5	3.9	-100	-99	-0.5	0.5	-10	5.0	2.5	-1	-2	200	-200
GS-07-216	7740051	-50	39	-0.2	5	6.60	-99	36	12	0.6	14.0	-5	5.2	-100	-99	1.3	0.6	-10	8.8	3.5	-1	2	-100	-200
GS-07-220	7740052	-50	49	-0.2	3	5.88	-99	41	58	0.3	21.0	-5	8.4	-100	-99	1.7	0.8	-10	8.5	3.8	-1	3	290	-200
GS-07-225	7740068	-50	91	-0.2	3	2.81	-99	-10	180	0.4	4.2	-5	11.7	-100	-99	1.9	1.5	-10	22.7	8.0	2	6	-100	-200
GS-07-230	7740053	-50	160	0.3	-3	4.43	-99	-10	210	0.7	1.8	-5	24.3	-100	-99	3.7	3.0	-10	47.6	18.0	-1	13	-100	710
GS-07-234	7740056	-50	86	-0.2	3	2.69	-99	-10	130	0.1	7.1	-5	10.6	-100	-99	2.0	1.2	-10	17.0	5.6	-1	4	-100	630
GS-07-238	7740058	-50	160	0.9	3	2.59	-99	-10	110	0.1	7.6	-5	22.5	-100	-99	1.9	2.1	-10	19.0	3.7	-1	8	-100	800
GS-07-240	7740059	-50	120	0.4	2	2.97	-99	-10	97	0.2	4.6	-5	18.1	-100	-99	2.4	2.0	-10	20.6	5.9	2	5	120	450
GS-07-241	7740061	-50	86	-0.2	3	2.74	-99	-10	130	0.1	5.0	-5	10.4	-100	-99	2.2	1.0	-10	19.0	7.4	1	4	-100	-200
GS-07-244	7740187	-50	81	-0.2	3	3.10	-99	-10	130	0.1	6.4	-5	10.2	-100	-99	2.0	1.0	-10	18.0	8.1	-1	4	-100	450
GS-07-249	7740063	-50	140	1.0	3	2.66	-99	-10	120	0.2	7.1	-5	21.3	-100	-99	2.5	2.3	-10	20.0	3.8	-1	7	110	660
GS-07-251	7740064	-50	180	0.2	178	6.10	-99	-10	-5	0.4	3.9	-5	24.3	-100	-99	4.2	3.0	-10	27.7	22.0	-1	11	2400	790
GS-07-254	7740066	-50	22	-0.2	2	4.21	-99	-10	32	0.3	21.5	-5	5.2	-100	-99	0.7	0.5	-10	3.5	1.3	-1	-2	130	-200
GS-07-261	7740081	-5	6.4	-0.05	12	1.59	6	-20	183	-0.1	3.3	-1	1.3	-0.01	-0.05	-0.2	-0.5	-99	20.9	63.5	-1	0.8	-50	-100
GS-08-007	7740082	-50	40	-0.2	3	4.23	-99	14	57	0.7	6.7	-5	4.7	-100	-99	0.7	-0.5	-10	7.5	2.2	-1	-2	-100	-200
GS-08-025	7740086	-50	7	0.2	-1	2.11	-99	69	11	0.5	39.0	-5	3.1	-100	-99	0.5	-0.5	-10	1.2	0.3	-1	2	220	-200
GS-08-035	7740088	-50	-2	-0.2	-1	1.10	-99	230	42	0.3	39.7	-5	0.8	-100	-99	-0.5	-0.5	-10	-0.2	-0.2	-1	-2	-100	-200
GS-08-043	7740092	-50	10	0.3	-1	2.59	-99	60	-5	0.9	40.8	-5	3.7	-100	-99	0.5	0.6	-10	1.6	0.4	-1	2	170	-200
GS-08-053	7740096	-50	-2	0.2	-1	2.71	-99	95	-5	0.3	40.3	-5	1.4	-100	-99	-0.5	-0.5	-10	-0.2	0.4	-1	-2	-100	-200
GS-08-063	7740097	-50	-2	-0.2	-1	3.96	-99	88	22	0.9	32.0	-5	0.7	-100	-99	-0.5	-0.5	-10	-0.2	2.3	2	-2	-100	-200
GS-08-068	7740098	-50	-2	0.3	2	1.80	-99	110	-5	1.6	41.7	-5	1.7	-100	-99	-0.5	0.5	-10	-0.2	-0.2	2	-2	120	-200
GS-08-074	7740099	-50	48	-0.2	5	3.01	-99	-10	120	0.2	1.2	-5	6.6	-100	-99	1.2	0.8	-10	16.0	5.9	1	3	-100	-200
GS-08-076	7740102	-50	42	-0.2	3	3.79	-99	-10	70	0.2	1.2	-5	6.2	-100	-99	3.0	0.9	-10	31.2	23.6	-1	6	-100	-200
GS-08-078	7740103	-50	48	-0.2	3	3.41	-99	-10	80	0.4	14.0	-5	7.1	-100	-99	0.8	0.8	-10	7.2	3.5	-1	3	130	-200

Open File LAB/1692 - Appendix G1: Raw Data and Detection Limits - Becquerel: INAA

SampleNum	LabNum	Ir	La	Lu	Mo	Na	Nd	Ni	Rb	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	U	W	Yb	Zn	Zr
Unit		ppb	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		5, 50	0.5 to 2	0.05, 0.2	1 to 9	0.01 to 0.05	5	10, 20	5, 12	0.1	0.1	1 to 5	0.1 to 11	0.01, 100	0.05	0.2, 0.5	0.5	10 to 24	0.1, 0.2	0.1 to 0.5	1	0.2 to 2	50, 100	100 to 660
Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-08-081	7740106	-50	45	-0.2	3	3.26	-99	-10	82	0.3	15.0	-5	7.2	-100	-99	-0.5	0.6	-10	6.8	3.4	-1	2	110	-200
GS-08-090	7740113	-50	75	-0.2	-3	4.96	-99	-10	-5	0.1	1.3	-5	5.3	-100	-99	3.6	1.3	-10	34.5	49.7	2	5	-100	-200
GS-08-176	7740122	-50	76	-0.2	2	2.40	-99	-10	150	0.1	4.8	-5	10.0	-100	-99	1.4	1.1	-10	18.0	5.7	1	4	-100	420
GS-08-184	7740129	-50	82	-0.2	8	2.33	-99	-10	140	0.1	3.1	-5	10.0	-100	-99	1.9	1.1	-10	21.3	8.1	2	4	320	-200
GS-08-193	7740137	-50	110	0.5	-1	2.67	-99	-10	180	0.3	6.7	-5	15.8	-100	-99	2.3	1.6	-10	18.0	4.6	-1	6	-100	560
GS-08-196	7740138	-50	170	1.0	3	2.67	-99	22	130	-0.1	9.0	-5	23.1	-100	-99	2.4	2.5	-10	20.6	3.8	-1	8	190	760
GS-08-198	7740139	-50	85	-0.2	-1	2.94	-99	-10	190	0.2	1.2	-5	12.8	-100	-99	3.3	1.7	-10	27.0	11.0	2	6	-100	-200
GS-08-204	7740143	-50	48	-0.2	-1	2.94	-99	-10	72	0.1	15.0	-5	8.8	-100	-99	0.8	1.0	-10	6.1	2.0	-1	2	-100	-200
GS-08-205	7740144	-50	91	-0.2	2	2.46	-99	-10	150	-0.1	4.4	-5	11.1	-100	-99	1.9	1.0	-10	21.3	6.9	-1	3	-100	-200
GS-08-206	7740145	-50	65	-0.2	-1	2.83	-99	-10	180	0.2	5.2	-5	8.2	-100	-99	1.3	0.9	-10	20.0	6.2	-1	2	-100	-200
GS-08-215	7740148	-50	80	-0.2	-1	2.59	-99	-10	150	0.1	6.2	-5	10.6	-100	-99	1.8	1.2	-10	19.0	6.5	-1	3	130	400
GS-08-217	7740149	-50	18	0.3	-1	2.52	-99	110	25	-0.1	28.2	-5	6.1	-100	-99	-0.5	0.5	-10	-0.2	0.3	-1	-2	160	-200
GS-08-225	7740152	-50	34	-0.2	-1	2.83	-99	41	67	0.9	31.3	-5	7.8	-100	-99	1.1	1.0	-10	5.8	4.6	-1	4	140	-200
GS-08-233	7740155	-50	52	-0.2	-1	6.26	-99	30	22	0.4	20.4	-5	8.9	-100	-99	1.1	1.1	-10	9.2	4.8	-1	2	150	-200
GS-08-235	7740157	-50	50	-0.2	-2	6.09	-99	39	24	0.8	19.0	-5	6.4	-100	-99	0.7	1.3	-10	10.0	29.8	-1	3	250	-200
GS-08-247	7740198	-50	37	-0.2	3	2.88	-99	-10	99	0.6	1.9	-5	2.4	-100	-99	1.0	0.8	-10	8.8	50.6	-1	3	530	-200
GS-08-252B	7740259	-50	24	-0.2	-3	7.86	-99	-10	16	-0.1	3.6	-5	1.7	-100	-99	1.6	-0.5	-10	7.9	110	-1	4	230	-440
GS-08-253	7740199	-50	82	1.1	4	2.50	-99	-10	140	0.2	0.5	-5	12.8	-100	-99	3.1	1.9	-10	26.7	4.7	-1	10	-100	650
GS-08-282	7740203	-50	96	1.1	2	5.45	-99	-10	-5	0.4	1.4	-5	21.2	-100	-99	2.4	2.8	-10	18.0	8.0	-1	10	190	620
GS-08-288	7740204	-50	70	0.5	-1	3.02	-99	-10	130	0.9	2.9	-5	11.0	-100	-99	1.1	0.9	-10	14.0	5.3	-1	6	-100	-200
GS-08-302	7740205	-50	28	0.7	-1	1.80	-99	29	-5	1.1	39.5	-5	9.2	-100	-99	0.6	1.3	-10	1.2	-0.2	-1	5	240	-200
GS-08-304	7740206	-50	43	1.0	-1	2.00	-99	38	15	1.5	44.3	-5	12.8	-100	-99	1.2	1.6	-10	1.3	0.9	-1	6	280	-200
GS-08-305	7740207	-50	8	0.3	-1	2.48	-99	160	35	0.3	30.4	-5	3.4	-100	-99	-0.5	-0.5	-10	-0.2	-0.2	-1	-2	120	-200
GS-09-009	7740261	-50	13	-0.2	-3	5.13	-99	-10	11	-0.1	1.5	-5	0.6	-100	-99	-0.5	-0.5	-10	3.0	87.6	-1	-2	-100	-200
GS-09-010	7740262	-50	18	-0.2	-1	4.81	-99	-10	16	-0.1	2.9	-5	1.6	-100	-99	0.6	-0.5	-10	5.1	10.0	-1	-2	-100	-200
GS-09-011	7740263	-50	4	-0.2	-1	2.04	-99	96	-5	-0.1	40.0	-5	1.3	-100	-99	-0.5	-0.5	-10	-0.2	3.8	-1	-2	110	-200
GS-09-020	7740264	-50	4	-0.2	-1	4.71	-99	-10	19	-0.1	0.9	-5	0.3	-100	-99	-0.5	-0.5	-10	0.7	4.2	-1	-2	-100	-200
GS-09-022	7740265	-50	10	-0.2	-1	4.12	-99	-10	44	-0.1	1.3	-5	0.9	-100	-99	1.0	-0.5	-10	1.7	1.5	-1	-2	-100	-200
GS-09-023	7740266	-50	57	-0.2	-1	4.05	-99	-10	21	-0.1	3.5	-5	4.4	-100	-99	-0.5	-0.5	-10	9.5	2.9	-1	-2	-100	-200
GS-09-024	7740267	-50	18	-0.2	-1	5.20	-99	-10	11	-0.1	2.3	-5	1.5	-100	-99	-0.5	-0.5	-10	5.6	28.6	-1	-2	-100	-200
GS-09-035	7740268	-50	25	-0.2	-1	4.08	-99	-10	51	-0.1	5.1	-5	2.3	-100	-99	-0.5	-0.5	-10	3.1	1.8	-1	-2	-100	-200
GS-09-036	7740269	-50	10	-0.2	-1	4.47	-99	-10	24	-0.1	1.1	-5	0.9	-100	-99	-0.5	-0.5	-10	1.5	0.6	-1	-2	-100	-200
GS-09-041	7740271	-50	44	-0.2	-1	4.61	-99	-10	27	-0.1	3.4	-5	2.3	-100	-99	-0.5	-0.5	-10	6.2	12.0	-1	-2	110	-200
GS-09-069	7740272	-50	18	0.3	-1	4.48	-99	-10	-5	-0.1	5.7	-5	3.3	-100	-99	-0.5	0.8	-10	36.0	30.5	-1	4	-100	-200
GS-09-075	7740273	-50	-2	-0.2	-1	7.68	-99	14	-5	-0.1	1.2	-5	0.3	-100	-99	0.8	-0.5	-10	21.1	13.0	-1	-2	-100	-200
GS-09-077	7740274	-50	15	0.3	-1	2.37	-99	100	13	2.9	28.4	-5	4.6	-100	-99	0.6	0.8	-10	0.4	-0.2	-1	2	-100	-200
GS-09-079	7740275	-50	10	-0.2	-1	3.33	-99	15	51	0.4	3.9	-5	1.3	-100	-99	-0.5	-0.5	-10	4.3	7.2	1	-2	-100	-200
GS-09-087	7740276	-50	29	-0.2	-1	6.22	-99	-10	-5	0.5	5.3	-5	2.6	-100	-99	0.7	-0.5	-10	5.3	3.2	1	-2	-100	-200
GS-09-088	7740277	-50	43	-0.2	3	4.35	-99	13	29	1.0	11.0	-5	4.9	-100	-99	1.0	-0.5	-10	7.0	4.4	1	-2	-100	-200
GS-09-090	7740278	-50	35	-0.2	1	4.59	-99	29	53	1.0	12.0	-5	3.9	-100	-99	0.9	-0.5	-10	5.9	5.1	-1	-2	-100	-200
GS-09-098	7740279	-50	66	0.8	-1	1.20	-99	-10	170	1.4	4.5	-5	10.0	-100	-99	1.9	1.5	-10	25.9	13.0	-1	6	110	-200
GS-09-099	7740281	-50	30	-0.2	-1	5.43	-99	44	44	4.2	21.7	19	4.4	-100	-99	0.5	0.7	-10	4.1	9.4	8	-2	280	-200
GS-09-100	7740282	-50	160	0.6	-2	5.65	-99	-10	15	1.0	3.3	-5	17.1	-100	-99	2.9	1.6	-10	26.9	32.4	2	7	-100	-200
GS-09-111	7740283	-50	-2	-0.2	-1	3.86	-99	82	12	0.6	34.9	-5	1.4	-100	-99	-0.5	-0.5	-10	-0.2	1.9	1	-2	-100	-200
GS-09-112	7740284	-50	12	0.5	3	0.07	-99	42	13	4.5	10.0	-5	2.7	-100	-99	-0.5	0.5	-10	1.3	5.5	-1	3	250	-200
GS-09-114	7740285	-50	9	0.9	2	0.55	-99	35	16	0.4	43.3	-5	5.7	-100	-99	0.9	1.3	-10	0.9	0.8	1	5	-100	-200
GS-09-127	7740286	-50	78	0.6	-1	2.24	-99	-10	250	0.8	3.7	-5	10.0	-100	-99	1.9	1.0	-10	27.8	5.0	2	3	-100	-200
GS-09-134	7740287	-50	75	0.6	-1	2.98	-99	-10	190	0.7	3.8	-5	9.1	-100	-99	1.6	1.0	-10	26.3	4.9	2	3	-100	-200
GS-09-137	7740288	-50	2	0.3	-1	1.40	-99	130	8	0.3	43.3	-5	2.0	-100	-99	-0.5	0.5	-10	0.2	-0.2	-1	2	-100	-200
GS-09-150	7740289	-50	10	-0.2	-1	3.38	-99	14	42	-0.1	1.6	-5	0.9	-100	-99	-0.5	-0.5	-10	0.4	-0.2	-1	-2	-100	240
GS-09-151	7740291	-50	12	-0.2	4	0.09	-99	20	35	1.9	2.3	-5	1.1	-100	-99	-0.5	-0.5	-10	0.9	30.2	-1	-2	320	-200
GS-09-152	7740292	-50	8	-0.2	-1	0.10	-99	-10	32	0.3	3.0	-5	1.0	-100	-99	-0.5	-0.5	-10	2.1	0.2	-1	-2	-100	-200
GS-09-155	7740293	-50	6	-0.2	-1	0.10	-99	-10	22	0.3	1.8	-5	0.6	-100	-99	-0.5	-0.5	-10	1.2	18.0	-1	-2	-100	-200
GS-09-157	7740294	-50	40	-0.2	-9	0.12	-99	-10	19	0.6	1.8	-5	4.9	-100	-99	-0.5	1.9	-10	0.8	309	-1	7	-100	-200
GS-09-158	7740295	-50	18	-0.2	-1	2.26	-99	14	50	0.6	3.3	-5	1.8	-100	-99	-0.5	-0.5	-10	3.4	8.1	-1	-2	-100	-200

Open File LAB/1692 - Appendix G1: Raw Data and Detection Limits - Becquerel: INAA

SampleNum	LabNum	Ir	La	Lu	Mo	Na	Nd	Ni	Rb	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	U	W	Yb	Zn	Zr
Unit		ppb	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		5, 50	0.5 to 2	0.05, 0.2	1 to 9	0.01 to 0.05	5	10, 20	5, 12	0.1	0.1	1 to 5	0.1 to 11	0.01, 100	0.05	0.2, 0.5	0.5	10 to 24	0.1, 0.2	0.1 to 0.5	1	0.2 to 2	50, 100	100 to 660
Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-09-159	7740296	-50	19	-0.2	6	0.11	-99	12	25	1.0	2.2	-5	3.1	-100	-99	-0.5	0.9	-10	1.5	71.2	-1	2	210	-200
GS-09-164	7740297	-50	13	1.3	-1	2.01	-99	-10	-5	0.2	37.4	-5	9.0	-100	-99	1.0	1.9	-10	0.7	-0.2	-1	8	-100	-200
GS-09-165	7740298	-50	14	0.3	15	-0.02	-99	280	-5	4.4	9.5	12	3.2	-100	-99	-0.5	-0.5	-10	1.6	4.2	-1	-2	100	-200
GS-09-177	7740299	-50	4	-0.2	1	3.09	-99	120	170	0.4	42.8	-5	2.4	-100	-99	-0.5	0.5	-10	-0.2	8.4	1	-2	-100	-200
GS-09-193	7740301	-50	52	0.3	-1	4.93	-99	-10	72	1.6	7.8	-5	8.3	-100	-99	1.4	0.7	-10	20.0	1.2	2	-2	-100	-200
GS-09-197	7740302	-50	11	-0.2	-6	2.82	-99	76	21	0.3	30.5	-5	0.5	-100	-99	-0.5	0.7	-10	1.8	214	-1	-2	-100	-200
GS-09-199	7740303	-50	13	0.3	-1	3.07	-99	86	69	0.3	37.3	6	4.3	-100	-99	1.1	0.8	-10	1.9	3.3	2	-2	-100	-200
GS-09-200	7740304	-50	10	-0.2	-9	1.90	-99	64	8	0.2	33.0	-5	-8.5	-100	-99	-0.5	0.7	-21	1.6	326	2	-2	-100	-490
GS-09-201	7740305	-50	77	-0.2	-1	1.00	-99	-10	93	0.3	1.8	-5	5.6	-100	-99	1.0	-0.5	-10	14.0	2.8	-1	-2	-100	-200
GS-09-222	7740306	-50	4	0.2	2	3.83	-99	110	47	-0.1	37.0	-5	1.7	-100	-99	-0.5	-0.5	-10	0.7	0.3	2	-2	-100	-200
GS-14-001	7740903	-99	7	-0.05	-1	3.20	-99	-99	46	-0.1	4.0	-1	1.2	-99	-99	-0.2	-0.5	-99	1.3	0.5	-1	-0.5	-99	-100
GS-14-002	7740904	-99	8	0.31	-1	1.60	-99	-99	53	0.1	35.0	-1	3.0	-99	-99	0.3	0.6	-99	0.6	0.5	-1	2.0	-99	-100
GS-14-006	7740905	-99	5	-0.05	-1	2.80	-99	-99	90	-0.1	0.3	-1	0.6	-99	-99	-0.2	-0.5	-99	1.2	0.5	-1	-0.5	-99	-100
GS-14-007	7740906	-99	44	-0.05	-1	3.60	-99	-99	41	-0.1	3.9	-1	4.5	-99	-99	0.4	-0.5	-99	9.0	5.0	-1	-0.5	-99	190
GS-14-011	7740907	-99	57	0.90	2	2.60	-99	-99	7	-0.1	27.6	-1	14.8	-99	-99	2.2	2.1	-99	1.7	8.7	-1	6.1	-99	440
GS-14-019	7740908	-99	12	0.10	-1	2.70	-99	-99	130	-0.1	8.5	-1	3.2	-99	-99	0.3	-0.5	-99	1.2	3.5	-1	1.3	-99	-100
GS-14-035	7740912	-99	30	0.11	-1	2.40	-99	-99	51	0.1	23.4	-1	3.6	-99	-99	0.3	-0.5	-99	2.2	2.5	-1	1.2	-99	-100
GS-14-039	7740914	-99	11	-0.05	-1	3.70	-99	-99	43	-0.1	1.0	-1	1.5	-99	-99	-0.2	-0.5	-99	3.3	0.6	-1	-0.5	-99	-100
GS-14-040	7740915	-99	4	-0.05	-1	3.40	-99	-99	65	-0.1	1.0	-1	0.5	-99	-99	-0.2	-0.5	-99	0.9	0.4	-1	-0.5	-99	-100
GS-14-043	7740917	-99	17	0.18	-1	2.10	-99	-99	42	-0.1	16.2	-1	3.8	-99	-99	0.3	-0.5	-99	2.2	0.6	-1	1.3	-99	-100
GS-14-049	7740918	-99	2	0.29	-1	2.10	-99	-99	10	2.1	43.1	-1	1.8	-99	-99	-0.2	-0.5	-99	-0.1	0.4	-1	2.0	-99	-100
GS-14-060	7740921	-99	54	0.61	1	3.80	-99	-99	52	2.4	8.8	-1	7.2	-99	-99	1.2	1.0	-99	20.2	6.3	2	3.0	-99	240
GS-14-092	7740932	-99	3	-0.05	-1	5.10	-99	-99	25	-0.1	1.9	-1	0.4	-99	-99	0.2	-0.5	-99	0.6	3.8	-1	-0.5	-99	-100
GS-14-094	7740933	-99	-1	-0.05	-1	4.80	-99	-99	26	-0.1	2.7	-1	0.2	-99	-99	-0.2	-0.5	-99	0.2	5.2	-1	-0.5	-99	-100
GS-14-095	7740934	-99	18	-0.05	-1	5.43	-99	-99	11	-0.1	2.5	-1	2.0	-99	-99	0.2	-0.5	-99	4.8	5.9	-1	-0.5	-99	-100
GS-14-099	7740937	-99	3	0.13	-1	0.34	-99	-99	-5	-0.1	23.7	-1	1.7	-99	-99	0.2	-0.5	-99	0.3	0.8	-1	0.7	-99	-100
GS-14-101	7740938	-99	34	-0.05	1	4.70	-99	-99	17	-0.1	3.0	-1	3.0	-99	-99	0.3	-0.5	-99	6.9	5.1	-1	-0.5	-99	190
GS-14-106	7740941	-99	27	0.15	-1	4.10	-99	-99	34	-0.1	7.1	-1	5.4	-99	-99	-0.2	0.5	-99	1.5	0.1	-1	0.8	-99	-100
GS-14-112	7740944	-99	20	11.2	-1	5.66	-99	-99	6	-0.1	65.6	-1	7.6	-99	-99	1.9	2.8	-99	32.1	9.2	-1	41	-99	330
GS-14-113	7740945	-99	5	0.19	-1	2.80	-99	-99	12	1.4	26.0	2	2.1	-99	-99	-0.2	-0.5	-99	0.5	6.8	3	1.5	-99	-100
GS-14-114	7740946	-99	2	0.16	-1	3.20	-99	-99	-5	1.4	25.3	-1	1.2	-99	-99	-0.2	-0.5	-99	-0.1	5.9	3	1.3	-99	-100
GS-14-118	7740949	-99	2	0.18	-1	4.40	-99	-99	-5	1.1	29.2	-1	1.4	-99	-99	-0.2	-0.5	-99	0.2	2.8	6	1.5	-99	180
GS-14-120	7740951	-99	2	0.30	-2	4.30	-99	-99	-5	1.0	30.7	-1	0.3	-99	-99	-0.2	0.5	-99	-0.1	82.3	4	2.1	-99	-210
GS-14-129	7740953	-99	23	0.19	-1	2.70	-99	-99	66	0.1	17.3	-1	4.4	-99	-99	0.5	-0.5	-99	3.4	0.9	-1	1.3	-99	-100
GS-14-131	7740955	-99	22	0.16	-1	2.30	-99	-99	82	0.1	16.2	-1	3.9	-99	-99	0.5	-0.5	-99	3.3	1.0	-1	1.0	-99	-100
GS-14-132	7740956	-99	8	0.07	-1	0.80	-99	-99	31	-0.1	14.2	-1	1.6	-99	-99	-0.2	-0.5	-99	1.1	0.3	-1	-0.5	-99	-100
GS-14-142	7740958	-99	2	0.33	-1	2.10	-99	-99	-5	0.6	49.4	-1	1.6	-99	-99	-0.2	-0.5	-99	0.2	-0.1	1	2.1	-99	-100
GS-14-169	7740964	-99	41	0.14	1	3.00	-99	-99	140	-0.1	3.2	-1	4.6	-99	-99	0.9	0.5	-99	8.9	2.7	-1	0.8	-99	210
GS-14-170	7740965	-99	44	0.19	-1	3.20	-99	-99	160	0.1	4.3	-1	5.0	-99	-99	1.4	0.5	-99	11.4	2.4	-1	1.1	-99	300
GS-14-171	7740966	-99	24	-0.05	-1	2.70	-99	-99	62	-0.1	3.6	-1	2.9	-99	-99	-0.2	-0.5	-99	4.1	0.4	-1	-0.5	-99	220
GS-14-172	7740967	-99	40	0.25	-1	0.59	-99	-99	270	0.6	3.5	-1	5.4	-99	-99	0.9	-0.5	-99	11.2	0.6	-1	1.0	-99	130
GS-14-173	7740968	-99	11	0.36	-1	2.70	-99	-99	18	0.6	38.2	-1	3.6	-99	-99	0.4	0.7	-99	1.9	1.3	-1	2.2	-99	-100
GS-14-174	7740969	-99	59	0.22	-1	3.50	-99	-99	91	-0.1	2.2	-1	5.3	-99	-99	0.8	-0.5	-99	10.1	4.4	-1	1.1	-99	240
GS-14-176	7740971	-99	8	0.52	-1	4.60	-99	-99	-5	0.6	21.3	-1	4.6	-99	-99	0.6	1.0	-99	0.6	7.3	2	3.9	-99	-100
GS-14-177	7740972	-99	2	0.27	4	2.00	-99	-99	58	0.2	42.6	-1	1.7	-99	-99	-0.2	-0.5	-99	0.2	0.6	1	1.7	-99	-100
GS-14-180	7740973	-99	34	0.17	-1	1.50	-99	-99	150	-0.1	2.0	-1	4.1	-99	-99	0.9	-0.5	-99	10.9	4.3	1	0.8	-99	-100
GS-14-181	7740974	-99	2	0.37	-1	2.20	-99	-99	310	-0.1	43.2	-1	2.1	-99	-99	0.2	-0.5	-99	0.3	-0.1	-1	2.1	-99	-100
GS-14-184	7740975	-99	12	-0.05	-1	3.10	-99	-99	36	-0.1	4.1	-1	2.2	-99	-99	-0.2	-0.5	-99	2.0	0.3	-1	-0.5	-99	-100
GS-14-192	7740978	-99	15	0.12	-1	3.60	-99	-99	56	-0.1	9.4	-1	4.2	-99	-99	-0.2	-0.5	-99	0.2	0.5	-1	0.8	-99	200
GS-14-197	7740979	-99	14	0.23	-1	1.70	-99	-99	62	0.2	25.4	-1	3.0	-99	-99	0.4	-0.5	-99	4.9	1.7	-1	1.4	-99	-100
GS-14-198	7740981	-99	16	0.22	-1	2.30	-99	-99	37	0.2	24.6	-1	3.1	-99	-99	0.3	-0.5	-99	3.1	0.9	-1	1.3	-99	-100
GS-14-199	7740982	-99	47	0.49	-1	2.30	-99	-99	200	0.3	4.3	-1	6.1	-99	-99	1.4	0.7	-99	16.5	2.4	-1	1.9	-99	200
GS-14-200	7740983	-99	51	0.52	-1	2.80	-99	-99	160	0.5	2.8	-1	6.5	-99	-99	1.4	0.8	-99	18.2	3.7	2	2.3	-99	-100
GS-14-201	7740984	-99	61	0.57	-1	3.30	-99	-99	240	0.2	4.5	-1	7.4	-99	-99	1.6	0.8	-99	20.5	5.6	2	2.4	-99	190
GS-14-220	7740986	-99	83	0.74	4	4.90	-99	-99	28	-0.1	6.4	-1	11.0	-99	-99	2.1	1.2	-99	17.4	8.4	-1	3.7	-99	500
GS-14-227	7740987	-99	34	0.06	-1	4.40	-99	-99	92	0.1	4.6	-1	3.1	-99	-99	0.8	-0.5	-99	7.4	3.1	1	-0.5	-99	-100
GS-14-230	7740988	-99	148	1.20	-6	5.73	-99	-99	11	0.6	7.8	-4	19.7	-99	-99	2.7	2.7	-99	21.0	162	1	7.8	-99	640
GS-14-232	7740989	-99	106	0.91	2	4.70	-99	-99	11	0.2	3.7	-1	16.3	-99	-99	2.6	2.1	-99	22.3	26.3	-1	4.9	-99	350

Open File LAB/1692 - Appendix G1: Raw Data and Detection Limits - Becquerel: INAA

SampleNum	LabNum	Ir	La	Lu	Mo	Na	Nd	Ni	Rb	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	U	W	Yb	Zn	Zr
Unit		ppb	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		5, 50	0.5 to 2	0.05, 0.2	1 to 9	0.01 to 0.05	5	10, 20	5, 12	0.1	0.1	1 to 5	0.1 to 11	0.01, 100	0.05	0.2, 0.5	0.5	10 to 24	0.1, 0.2	0.1 to 0.5	1	0.2 to 2	50, 100	100 to 660
Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-14-245	7740991	-99	11	0.13	-1	1.20	-99	-99	66	0.3	17.8	-1	2.1	-99	-99	0.2	-0.5	-99	2.3	0.8	-1	0.9	-99	-100
GS-14-246	7740992	-99	50	0.54	2	3.50	-99	-99	82	0.3	11.3	-1	8.7	-99	-99	1.0	1.0	-99	6.8	3.1	-1	3.0	-99	340
GS-14-247	7740993	-99	15	0.18	2	1.80	-99	-99	59	0.2	28.3	-1	3.2	-99	-99	0.4	-0.5	-99	2.9	1.0	1	1.4	-99	-100
GS-14-249	7740994	-99	66	0.81	1	0.84	-99	-99	210	0.3	1.9	-1	11.5	-99	-99	3.5	1.4	-99	25.7	13.0	-1	4.1	-99	200
GS-15-034	7741029	-99	2	0.16	-1	2.90	-99	-99	8	0.5	42.2	-1	0.9	-99	-99	-0.2	0.5	-99	-0.1	10.7	-1	1.7	-99	-100
GS-15-039	7741031	-99	1	0.13	-1	3.70	-99	-99	-5	3.3	28.6	-1	0.2	-99	-99	-0.2	-0.5	-99	-0.1	16.1	6	0.9	-99	-100
GS-15-046	7741034	-99	42	0.20	-1	0.12	-99	-99	7	1.2	34.4	-2	11.8	-99	-99	3.3	1.7	-99	3.0	0.6	1	1.7	-99	-100
GS-15-049	7741036	-99	2	0.21	-1	2.70	-99	-99	13	0.5	45.0	-1	1.6	-99	-99	-0.2	0.7	-99	-0.1	1.9	-1	1.7	-99	-100
GS-15-051	7741037	-99	14	0.58	-1	2.40	-99	-99	-5	1.1	32.8	-1	5.1	-99	-99	0.5	1.1	-99	0.7	21.2	1	3.4	-99	230
GS-15-053	7741038	-99	8	1.00	-1	1.80	-99	-99	6	9.4	38.8	-1	4.2	-99	-99	0.6	1.4	-99	0.5	25.0	4	5.5	-99	270
GS-15-055	7741041	-99	1	0.18	-1	3.10	-99	-99	-5	3.6	24.3	-1	0.2	-99	-99	-0.2	-0.5	-99	-0.1	17.9	5	1.4	-99	-100
GS-15-056	7741042	-99	1	-0.05	2	4.10	-99	-99	-5	5.5	28.8	-1	-0.9	-99	-99	-0.2	0.5	-99	-0.1	29.9	5	1.5	-99	-270
GS-15-064	7741047	-99	4	0.68	21	2.40	-99	-99	320	-0.1	1.6	-1	1.5	-99	-99	4.9	0.7	-99	24.7	9.3	1	4.7	-99	260
GS-15-065	7741048	-99	76	0.74	-1	1.60	-99	-99	130	0.8	3.6	-1	12.0	-99	-99	2.0	1.8	-99	16.3	8.0	2	5.6	-99	370
GS-15-075	7741058	-99	54	1.00	5	4.00	-99	-99	22	0.3	14.8	-1	8.0	-99	-99	1.8	1.8	-99	14.9	42.9	2	5.6	-99	320
GS-15-078	7741062	-99	44	0.67	4	2.40	-99	-99	90	0.3	7.4	-1	7.5	-99	-99	1.6	1.1	-99	11.7	3.2	1	4.5	-99	340
GS-15-167	7741129	-99	45	0.26	-1	2.70	-99	-99	100	2.0	11.2	-1	7.1	-99	-99	1.1	0.9	-99	10.0	3.0	2	2.4	-99	350
GS-15-168	7741131	-99	4	0.16	-1	2.20	-99	-99	170	0.5	5.1	-1	1.0	-99	-99	0.9	-0.5	-99	10.0	3.2	1	0.6	-99	270
GS-15-178	7741138	-99	44	1.70	-1	1.40	-99	-99	110	0.5	1.0	-1	8.0	-99	-99	2.4	1.9	-99	19.1	53.4	1	7.4	-99	550
GS-15-199	7741147	-99	39	0.19	-1	0.12	-99	-99	7	0.3	32.7	-1	13.1	-99	-99	3.5	1.8	-99	3.2	0.9	-1	1.5	-99	320
GS-15-200	7741148	-99	39	0.21	-1	0.15	-99	-99	15	-0.1	31.5	-1	12.6	-99	-99	3.4	1.7	-99	3.2	0.8	-1	1.9	-99	330
GS-15-201	7741149	-99	-1	-0.05	-1	0.09	-99	-99	9	-0.1	2.4	-1	0.5	-99	-99	-0.2	-0.5	-99	-0.1	-0.1	-1	-0.5	-99	-100
GS-15-202	7741151	-99	22	0.27	-1	2.30	-99	-99	-5	0.5	3.5	-1	3.6	-99	-99	0.6	0.5	-99	5.7	2.2	-1	1.8	-99	180

Open File LAB/1692 - Appendix G2: Duplicates Data and Detection Limits - Becquerel: INAA

DuplicateID	LabNum	BecNum	Control	AnalysisYr	Analysis	BecWt	ActLabWt	Ag	As	Au	Ba	Br	Ca	Cd	Ce	Co	Cr	Cs	Eu	Fe
Unit						grams	grams	ppm	ppm	ppb	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	wt.%
Lower Detection Limit								2, 5	0.5 to 1.8	1 to 5	50	0.5, 1	1	5	3	1 to 6	5 to 20	0.5, 1	0.2 to 2	0.01 to 0.2
Analysis Method								INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-07-225	7740068	N08-S02-031	original	2009	Becquerel	10.29	-99	-2	4.0	-2	610	-0.5	-99	-5	180	-5	-20	2.9	-1	1.7
7740068	7740070	N07-LO1-45	duplicate	2008	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	19.13	18.9	-5	6.5	-1	760	-0.5	-1	-99	149	2	-5	2.0	1.4	1.82
GS-09-024	7740267	N09-S02-9	original	2010	Becquerel	9.19	-99	-2	-0.5	-2	240	1.1	-99	-5	29	-5	-20	-0.5	-1	0.8
7740267	7740270	N09-S02-12	duplicate	2010	Becquerel	10.59	-99	-2	-0.5	-2	210	1.1	-99	-5	25	-5	-20	-0.5	1	0.7
GS-09-087	7740276	N09-S02-18	original	2010	Becquerel	11.70	-99	-2	1.0	-2	420	-0.5	-99	-5	46	9	24	-0.5	-1	1.9
7740276	7740290	N09-S02-32	duplicate	2010	Becquerel	12.05	-99	-2	1.3	-2	470	-0.5	-99	-5	48	8	-20	-0.5	-1	2.0
GS-14-169	7740964	N15-L01-32	original	2015	Becquerel	17.98	-99	-99	0.9	1	730	1	-99	-99	82	-2	-10	1.3	-0.5	1.7
7740964	7740970	N15-L01-38	duplicate	2015	Becquerel	20.63	-99	-99	1.2	-1	750	1	-99	-99	86	3	11	1.2	0.7	1.9
GS-14-199	7740982	N15-L01-48	original	2015	Becquerel	22.71	-99	-99	2.7	-1	560	-1	-99	-99	100	-2	10	3.5	0.5	1.3
7740982	7740990	N15-L01-55	duplicate	2015	Becquerel	22.66	-99	-99	2.3	-1	590	-1	-99	-99	93	-2	-10	3.7	-0.5	1.2
GS-15-002	7741006	N16-L03-2	original	2016	Becquerel	11.98	-99	-99	94	121	2000	-1	-99	-99	28	24	31	0.5	-0.5	5.0
7741006	7741010	N16-L03-6	duplicate	2016	Becquerel	10.62	-99	-99	89	117	1900	-1	-99	-99	31	22	41	0.5	1.0	5.0

Open File LAB/1692 - Appendix G2: Duplicates Data and Detection Limits - Becquerel: INAA

DuplicateID	LabNum	Hf	Hg	Ir	La	Lu	Mo	Na	Nd	Ni	Rb	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	U	W	Yb	Zn	Zr
Unit		ppm	ppm	ppb	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	1	5, 50	0.5 to 2	0.05, 0.2	1	0.01	5	10, 20	5	0.1	0.1	1, 5	0.1	0.01, 100	0.05	0.2, 0.5	0.5	10	0.2	0.1, 0.5	1	0.2 to 2	50, 100	100, 200
Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GS-07-225	7740068	13	-99	-50	91	-0.2	3	2.81	-99	-10	180	0.4	4.2	-5	11.7	-100	-99	1.9	1.5	-10	22.7	8.0	2	6	-100	-200
7740068	7740070	10	-1	-5	99.6	1.1	4	2.88	61	-20	166	0.4	4.2	-1	11.6	-0.01	-0.05	-0.2	1.3	-99	27.6	10.7	-1	6.6	80	500
GS-09-024	7740267	3	-99	-50	18	-0.2	-1	5.20	-99	-10	11	-0.1	2.3	-5	1.5	-100	-99	-0.5	-0.5	-10	5.6	28.6	-1	-2	-100	-100
7740267	7740270	2	-99	-50	18	-0.2	2	5.26	-99	-10	12	-0.1	2.2	-5	1.5	-100	-99	0.6	-0.5	-10	5.4	28.9	-1	-2	-100	-200
GS-09-087	7740276	4	-99	-50	29	-0.2	-1	6.22	-99	-10	-5	0.5	5.3	-5	2.6	-100	-99	0.7	-0.5	-10	5.3	3.2	1	-2	-100	-200
7740276	7740290	3	-99	-50	29	-0.2	-1	6.29	-99	-10	-5	0.5	5.3	-5	2.7	-100	-99	1.0	-0.5	-10	5.4	3.2	-1	-2	-100	-200
GS-14-169	7740964	6	-99	-99	41	0.14	1	3.00	-99	-99	140	-0.1	3.2	-1	4.6	-99	-99	0.9	0.5	-99	8.9	2.7	-1	0.8	-99	210
7740964	7740970	7	-99	-99	45	0.18	-1	3.20	-99	-99	140	-0.1	3.7	-1	4.7	-99	-99	0.9	-0.5	-99	9.4	2.7	-1	0.6	-99	-100
GS-14-199	7740982	8	-99	-99	47	0.49	-1	2.30	-99	-99	200	0.3	4.3	-1	6.1	-99	-99	1.4	0.7	-99	16.5	2.4	-1	1.9	-99	200
7740982	7740990	8	-99	-99	45	0.45	-1	2.10	-99	-99	210	0.3	4.0	-1	6.2	-99	-99	1.4	0.7	-99	16.6	2.5	-1	1.8	-99	200
GS-15-002	7741006	3	-99	-99	16	0.26	14	1.70	-99	-99	47	3.2	17.8	-1	3.8	-99	-99	0.2	0.7	-99	1.4	0.9	-1	1.8	-99	-100
7741006	7741010	3	-99	-99	16	0.29	14	1.80	-99	-99	45	3.0	18.6	-1	3.6	-99	-99	0.2	-0.5	-99	1.5	0.8	2	2.5	-99	-100

Open File LAB/1692 - Appendix G3: Standards Data and Detection Limits - Becquerel: INAA

StandardID	LabNum	BecNum	Control	AnalysisYr	Analysis	BecWt	ActLabWt	Ag	As	Au	Ba	Br	Ca	Cd	Ce	Co	Cr	Cs	Eu
Unit						grams	grams	ppm	ppm	ppb	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit								2, 5	0.5 to 1.8	1 to 5	50	0.5, 1	1	5	3	1 to 6	5 to 20	0.5, 1	0.2 to 2
Analysis Method								INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
DMMAS-104 Meas			standard	2008	Actlabs	-99	-99	-99	1580	241	870	-99	5	-99	64	45	95	-99	1.7
DMMAS-104 Cert			certified	2008	Actlabs	-99	-99	-99	1570	229	850	-99	4	-99	63	49	95	-99	1.2
DMMAS-104 Meas			standard	2008	Actlabs	-99	-99	-99	1560	243	880	-99	6	-99	57	46	97	-99	1.6
DMMAS-104 Cert			certified	2008	Actlabs	-99	-99	-99	1570	229	850	-99	4	-99	63	49	95	-99	1.2
DMMAS-104 Meas			standard	2008	Actlabs	-99	-99	-99	1590	234	860	-99	5	-99	56	44	96	-99	1.2
DMMAS-104 Cert			certified	2008	Actlabs	-99	-99	-99	1570	229	850	-99	4	-99	63	49	95	-99	1.2
Method Blank			blank	2008	Actlabs	-99	30.0	-5	-0.5	-1	-50	-0.5	-1	-99	-3	-1	-5	-1	-0.2
SY-4	7740020	N08-S02-007	standard	2009	Becquerel	9.24	-99	-2	-1.2	-5	350	210	-99	-5	130	-5	-20	2.2	-2
WGB-1	7740060	N08-S02-026	standard	2009	Becquerel	12.34	-99	-2	1.9	3	890	-0.5	-99	-5	16	29	300	-0.5	-1
WGB-1	7740080	N07-LO1-55	standard	2008	Bec except Ag, Ca, Hg, Ir, Nd, Ni, Sn, Sr, Zn, and Zr by Actlabs	20.39	20.1	-5	2.6	-1	910	-0.5	10	-99	14	24	257	-1	1
SY-4	7740200	N08-S02-067	standard	2009	Becquerel	11.53	-99	-2	-1.8	-5	440	216	-99	-5	130	-5	-20	1.7	-1
SY-4	7740260	N09-S02-2	standard	2010	Becquerel	10.04	-99	-2	-0.5	-2	370	219	-99	-5	120	-5	-20	1.7	2
WGB-1	7740280	N09-S02-22	standard	2010	Becquerel	13.85	-99	-2	1.8	-2	820	-0.5	-99	-5	15	29	290	-0.5	-1
SY-4	7740300	N09-S02-42	standard	2010	Becquerel	10.85	-99	-2	-0.5	-2	340	224	-99	-5	110	-5	26	1.7	-1
SY-4	7740920	N15-L01-13	standard	2015	Becquerel	11.18	-99	-99	-0.5	-1	340	224	-99	-99	100	-6	13	1.6	1.9
WGB-1	7740940	N15-L01-20	standard	2015	Becquerel	21.26	-99	-99	1.6	-1	890	-1	-99	-99	16	29	300	0.6	1.2
WGB-1	7740960	N15-L01-31	standard	2015	Becquerel	15.01	-99	-99	2.1	-1	860	-1	-99	-99	17	28	300	-0.5	1.3
SY-4	7740980	N15-L01-46	standard	2015	Becquerel	11.32	-99	-99	-0.5	-1	310	212	-99	-99	120	-4	12	1.4	1.1
WGB-1	7741040	N16-L03-16	standard	2016	Becquerel	13.24	-99	-99	1.7	2	830	-1	-99	-99	11	27	320	-0.5	1.0
SY-4	7741160	N16-L03-33	standard	2016	Becquerel	13.80	-99	-99	-0.5	-1	320	216	-99	-99	130	-4	21	1.6	1.9

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StandardID	LabNum	Fe	Hf	Hg	Ir	La	Lu	Mo	Na	Nd	Ni	Rb	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	U	W	Yb	Zn	Zr
Unit		wt.%	ppm	ppm	ppb	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.01 to 0.2	1	1	5, 50	0.5 to 2	0.05, 0.2	1	0.01	5	10, 20	5	0.1	0.1	1, 5	0.1	0.01, 100	0.05	0.2, 0.5	0.5	10	0.2	0.1, 0.5	1	0.2 to 2	50, 100	100, 200
Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
DMMAS-104 Meas		5.83	-99	-99	-99	38.7	0.54	-99	3.39	20	-99	-99	6.4	15.0	-99	5.1	-99	-99	-99	-99	-99	8.3	72.5	6	3.2	90	-99
DMMAS-104 Cert		5.61	-99	-99	-99	36.6	0.4	-99	3.43	19	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	-99	-99	8.3	71.9	6	3	96	-99
DMMAS-104 Meas		5.96	-99	-99	-99	37.9	0.51	-99	3.31	21	-99	-99	6.9	15.0	-99	4.5	-99	-99	-99	-99	-99	8.3	71.9	5	3	110	-99
DMMAS-104 Cert		5.61	-99	-99	-99	36.6	0.4	-99	3.43	19	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	-99	-99	8.3	71.9	6	3	96	-99
DMMAS-104 Meas		5.94	-99	-99	-99	39	0.49	-99	3.39	24	-99	-99	6.8	14.8	-99	4.7	-99	-99	-99	-99	-99	8.4	72.8	6	2.7	100	-99
DMMAS-104 Cert		5.61	-99	-99	-99	36.6	0.4	-99	3.43	19	-99	-99	6.2	14.1	-99	4.3	-99	-99	-99	-99	-99	8.3	71.9	6	3	96	-99
Method Blank		-0.01	-1	-1	-5	-0.5	-0.05	-1	-0.01	-5	-20	-5	-0.1	-0.1	-1	-0.1	-0.01	-0.05	-0.2	-0.5	-99	-0.2	-0.5	-1	-0.2	-50	-100
SY-4	7740020	4.6	13	-99	-50	56	2.1	-1	5.09	-99	-10	44	-0.1	1.2	-5	12.9	-100	-99	1.3	2.4	-10	1.0	0.8	-1	13	-100	790
WGB-1	7740060	4.7	2	-99	-50	8	-0.2	-1	1.70	-99	66	13	2.3	40.8	-5	2.7	-100	-99	0.7	0.5	-10	1.1	0.5	-1	-2	-100	-200
WGB-1	7740080	4.2	2	-1	-5	7.6	0.21	-1	1.47	-99	-20	42	1.7	37.3	-1	2.2	-0.01	-0.05	-0.2	-0.5	-99	1.0	2.0	-1	1.4	-50	-100
SY-4	7740200	4.1	12	-99	-50	60	2.1	-1	5.16	-99	-10	60	-0.1	1.0	-5	13.2	-100	-99	1.4	2.5	-10	0.4	0.6	-1	15	-100	790
SY-4	7740260	4.2	12	-99	-50	57	2.0	-1	4.89	-99	-10	47	-0.1	0.9	-5	13.0	-100	-99	1.1	2.3	-10	1.1	0.8	-1	13	-100	570
WGB-1	7740280	4.6	2	-99	-50	8	-0.2	-1	1.70	-99	73	16	2.2	40.6	-5	2.6	-100	-99	-0.5	-0.5	-10	0.7	0.8	-1	-2	-100	-200
SY-4	7740300	4.1	10	-99	-50	57	2.1	-1	5.08	-99	-10	47	-0.1	0.9	-5	12.8	-100	-99	0.9	2.6	-10	1.1	0.7	-1	15	160	600
SY-4	7740920	4.3	12	-99	-99	54	2.10	-1	4.90	-99	-99	43	-0.1	0.9	-1	13.2	-99	-99	0.9	2.7	-99	0.6	0.7	-1	15	-99	410
WGB-1	7740940	4.7	2	-99	-99	8	0.18	-1	1.60	-99	-99	19	2.3	38.7	-1	2.7	-99	-99	0.4	-0.5	-99	1.2	0.7	-1	1.5	-99	-100
WGB-1	7740960	4.6	1	-99	-99	8	0.18	-1	1.60	-99	-99	19	2.2	37.8	-1	2.6	-99	-99	0.4	-0.5	-99	1.0	0.8	1	1.2	-99	-100
SY-4	7740980	4.4	11	-99	-99	55	2.20	-1	5.00	-99	-99	40	-0.1	1.2	-1	12.7	-99	-99	1.1	2.5	-99	1.0	0.7	-1	15	-99	450
WGB-1	7741040	4.3	1	-99	-99	7	0.18	-1	1.40	-99	-99	15	2.2	36.6	-1	2.4	-99	-99	0.3	0.6	-99	1.0	0.8	1	1.3	-99	-100
SY-4	7741160	4.2	11	-99	-99	53	1.80	-1	4.30	-99	-99	47	-0.1	1.1	-1	12.5	-99	-99	0.8	3.0	-99	1.3	0.9	-1	16	-99	500

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Lower Detection Limit												
Analysis Method												
GS-07-001	7740001	2008, 2009	359920	6113210	21	NAD27	13O/03	Core	A-3-2	3.50	4.00	Quartz phyric crystal tuff
GS-07-008	7740158	2008, 2009, 2011	359920	6113210	21	NAD27	13O/03	Core	A-3-2	75.00	75.40	Quartz phyric crystal tuff
GS-07-010	7740002	2008, 2009	361040	6111550	21	NAD27	13O/03	Core	A-7-2	24.50	25.00	Quartz phyric crystal tuff
GS-07-011	7740159	2008, 2009, 2011	361040	6111550	21	NAD27	13O/03	Core	A-7-2	38.22	38.72	Pale pink altered tuff marginal to mineralized zone
GS-07-018	7740003	2008, 2009	361040	6111550	21	NAD27	13O/03	Core	A-7-2	67.50	67.80	Fine-grained mafic dyke
GS-07-020	7740161	2008, 2009, 2011	361040	6111550	21	NAD27	13O/03	Core	A-7-2	71.65	72.05	Crystal tuff
GS-07-021	7740004	2008, 2009	361040	6111460	21	NAD27	13O/03	Core	A-7-5	5.20	5.70	Plagioclase-phyric mafic dyke
GS-07-022	7740162	2008, 2009, 2011	361040	6111460	21	NAD27	13O/03	Core	A-7-5	15.42	15.92	Fine-grained mafic dyke
GS-07-024	7740005	2008, 2009	361040	6111460	21	NAD27	13O/03	Core	A-7-5	30.50	31.00	Relatively unaltered crystal tuff
GS-07-025	7740006	2008, 2009	361040	6111460	21	NAD27	13O/03	Core	A-7-5	37.10	37.60	Fine-grained diorite dyke
GS-07-027	7740007	2008, 2009	361040	6111460	21	NAD27	13O/03	Core	A-7-5	60.85	61.25	Foliated, fine-grained mafic dyke
GS-07-028	7740008	2008, 2009	361040	6111460	21	NAD27	13O/03	Core	A-7-5	62.13	62.73	Relatively undeformed, fine-grained mafic dyke
GS-07-029	7740069	2008, 2009, 2015	361030	6111390	21	NAD27	13O/03	Core	A-7-6	5.20	5.70	Crystal tuff
GS-07-030	7740009	2008, 2009	361030	6111390	21	NAD27	13O/03	Core	A-7-6	27.30	27.80	Plagioclase-phyric mafic dyke
GS-07-034	7740163	2008, 2009, 2011	361040	6111520	21	NAD27	13O/03	Core	A-7-4	23.80	24.30	Crystal tuff
GS-07-037	7740071	2008, 2009	361040	6111520	21	NAD27	13O/03	Core	A-7-4	50.05	50.44	Fine-grained mafic dyke
GS-07-039	7740072	2008, 2009	361040	6111520	21	NAD27	13O/03	Core	A-7-4	55.80	56.07	Fine-grained, grey-green, weakly magnetic mafic dyke
GS-07-044	7740164	2008, 2009, 2011	361020	6111540	21	NAD27	13O/03	Core	A-7-1	30.08	30.58	Fine-grained diorite dyke
GS-07-047	7740011	2008, 2009	233121	6047112	21	NAD27	13K/11	Core	51543	5.40	6.00	Unmineralized granodiorite-tonalite
GS-07-052	7740012	2008, 2009	233121	6047112	21	NAD27	13K/11	Core	51543	42.20	42.70	Unmineralized granodiorite-tonalite
GS-07-055	7740165	2008, 2009, 2011	230377	6054491	21	NAD27	13K/11	Core	CMB-06-01	61.10	61.40	Hematite-chlorite-rich breccia
GS-07-061	7740166	2008, 2009, 2011	233069	6047169	21	NAD27	13K/11	Core	51568	14.54	15.04	Unmineralized granodiorite-tonalite unit
GS-07-067	7740167	2008, 2009, 2011	233069	6047169	21	NAD27	13K/11	Core	51568	102.36	102.86	Unmineralized granodiorite-tonalite
GS-07-072	7740168	2008, 2009, 2011	361100	6111540	21	NAD27	13O/03	Core	A-7-7	107.50	107.90	Fine-grained mafic dyke
GS-07-075	7740169	2008, 2009, 2011	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	82.30	82.80	Fine-grained mafic dyke
GS-07-076	7740171	2008, 2009, 2011	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	97.84	98.25	Chlorite-rich breccia in granodiorite-tonalite
GS-07-077	7740172	2008, 2009, 2011, 2015	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	105.02	105.61	Felsic portion of Maggo gneiss
GS-07-078	7740173	2008, 2009, 2011, 2015	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	105.61	105.95	Mafic portion of Maggo gneiss
GS-07-090	7740013	2008, 2009	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	287.00	288.04	Fine-grained mafic dyke with weak fracture-hosted hematite alteration
GS-07-091	7740014	2008, 2009	230248	6054163	21	NAD27	13K/11	Core	CMB-07-12	328.64	329.20	Post-alteration, fine-grained mafic dyke (612742-43)
GS-07-093	7740174	2008, 2009, 2011, 2015	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	22.41	23.01	Maggo Gneiss
GS-07-094	7740015	2008, 2009	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	121.82	122.29	Feldspar-rich pegmatite
GS-07-098	7740016	2008, 2009	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	173.70	174.00	Fine-grained mafic dyke
GS-07-101	7740017	2008, 2009	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	252.30	253.00	Pale pink, fine-grained plutonic rock
GS-07-102	7740175	2008, 2009, 2011	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	250.60	251.16	Post-alteration, fine-grained mafic dyke
GS-07-104	7740018	2008, 2009	230303	6054178	21	NAD27	13K/11	Core	CMB-07-06	323.78	324.28	Pale pink, fine-grained plutonic rock
GS-07-105	7740019	2008, 2009	230225	6054267	21	NAD27	13K/11	Core	CMB-07-11	198.95	199.45	Carbonate altered mafic dyke with weak, fracture-hosted hematite alteration
GS-07-108	7740176	2008, 2009, 2011	230225	6054267	21	NAD27	13K/11	Core	CMB-07-11	274.55	275.55	Fine-grained mafic dyke
GS-07-109	7740021	2008, 2009	230225	6054267	21	NAD27	13K/11	Core	CMB-07-11	283.50	284.00	Fine-grained mafic dyke
GS-07-110	7740177	2008, 2009, 2011	230398	6054095	21	NAD27	13K/11	Core	CMB-07-07	220.59	221.09	Fine-grained granite overprinted by weak, darkpurple, hematite-rich brecciation
GS-07-113	7740022	2008, 2009	394405	6071317	21	NAD27	13J/15	Grab	07G.W.S.041			Fine-grained mafic dyke
GS-07-118	7740023	2008, 2009	314915	6056295	21	NAD27	13J/12	Core	SP-06-10	185.00	185.30	Porphyritic intermediate volcanic
GS-07-120	7740024	2008, 2009	314915	6056295	21	NAD27	13J/12	Core	SP-06-10	154.56	155.06	Fine-grained mafic dyke
GS-07-123	7740025	2008, 2009	314745	6056010	21	NAD27	13J/12	Core	SP-06-10	34.38	35.00	Fine-grained intermediate dyke
GS-07-132	7740026	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	B-24	18.96	19.46	Metabasalt
GS-07-147	7740073	2008, 2009	310199	6125433	21	NAD27	13O/04	Grab	07G.W.S.060			Quartz-rich pegmatite
GS-07-148	7740074	2008, 2009	310174	6125435	21	NAD27	13O/04	Grab	07G.W.S.060			K-feldspar-rich pegmatite
GS-07-151	7740027	2008, 2009	307713	6062771	21	NAD27	13J/12	Grab	07G.W.S.062			Relatively unaltered, medium-grained granite
GS-07-159	7740028	2008, 2009, 2015	340530	6097405	21	NAD27	13J/14	Grab	07G.W.S.067			Medium-grained gabbro; Kitts Metagabbro
GS-07-161	7740029	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	B-16	10.75	11.25	Metabasalt
GS-07-162	7740031	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	B-16	23.53	23.83	Diorite dyke
GS-07-163	7740032	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	B-16	42.47	42.87	Diorite dyke
GS-07-164	7740033	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	B-16	43.95	46.90	Diorite dyke
GS-07-167	7740034	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	B-24	63.14	63.80	Medium-grained gabbro; Kitts Metagabbro
GS-07-170	7740067	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	B-11	25.21	30.48	Diorite dyke; dated at 1662 ± 4 Ma
GS-07-171	7740035	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	B-11	49.65	49.95	Quartz-feldspar porphyry dyke
GS-07-172	7740075	2008, 2009	233095	6047161	21	NAD27	13K/11	Grab	07G.W.S.017			Relatively unaltered granodiorite
GS-07-173	7740076	2008, 2009	233095	6047161	21	NAD27	13K/11	Grab	07G.W.S.017			Hematized granodiorite

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Lower Detection Limit												
Analysis Method												
GS-07-174A	7740036	2008, 2009	233095	6047161	21	NAD27	13K/11	Grab	07G.W.S.017			Post-mineralization, fine-grained mafic dyke
GS-07-176	7740077	2008, 2009	233095	6047161	21	NAD27	13K/11	Grab	07G.W.S.017			Relatively unaltered pegmatite
GS-07-177	7740178	2008, 2009, 2011	233022	6047084	21	NAD27	13K/11	Grab	07G.W.S.018			Unaltered granodiorite
GS-07-179	7740037	2008, 2009	234497	6049153	21	NAD27	13K/11	Grab	07G.W.S.020			Relatively unaltered pegmatite
GS-07-181	7740179	2008, 2009, 2011	234437	6049133	21	NAD27	13K/11	Grab	07G.W.S.021			Unaltered granodiorite
GS-07-182	7740038	2008, 2009	234501	6049144	21	NAD27	13K/11	Core	FHLS-07-04	48.20	48.70	Relatively unaltered pegmatite
GS-07-186	7740039	2008, 2009	234501	6049144	21	NAD27	13K/11	Core	FHLS-07-06	118.50	118.93	Unaltered granodiorite
GS-07-187	7740041	2008, 2009	234501	6049144	21	NAD27	13K/11	Core	FHLS-07-06	127.64	128.02	Unaltered pegmatite
GS-07-188	7740042	2008, 2009	234501	6049144	21	NAD27	13K/11	Core	FHLS-07-09	16.53	17.05	Fine-grained mafic dyke
GS-07-193	7740078	2008, 2009	231160	6049347	21	NAD27	13K/11	Grab	07G.W.S.027			Pegmatite hosting anomalous radioactivity
GS-07-195	7740079	2008, 2009	230351	6048343	21	NAD27	13K/11	Grab	07G.W.S.024			Quartz-rich pegmatite
GS-07-197	7740043	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	K-74-18	1.80	2.30	Metabasalt
GS-07-198	7740044	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	K-74-18	83.00	83.50	Metabasalt
GS-07-199	7740045	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	K-74-18	113.00	113.50	Metabasalt
GS-07-204	7740046	2008, 2009, 2015	340900	6097160	21	NAD27	13J/14	Core	K-74-18	121.23	121.65	Quartz-feldspar porphyry
GS-07-213	7740047	2008, 2009, 2015	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	48.78	49.18	Fine-grained mafic dyke
GS-07-214	7740048	2008, 2009, 2015	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	84.30	84.47	Felsic dyke
GS-07-215	7740049	2008, 2009, 2015	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	100.04	100.54	Intermediate metavolcanic
GS-07-216	7740051	2008, 2009, 2015	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	119.75	120.56	Strongly foliated intermediate volcanic
GS-07-218	7740182	2008, 2009, 2011, 2015	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	261.00	261.50	Fine-grained, post-mineral dyke
GS-07-220	7740052	2008, 2009, 2015	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	289.00	289.50	Unmineralized intermediate metavolcanic
GS-07-222	7740183	2008, 2009, 2011, 2015	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	307.40	307.90	Fine-grained, post-mineral dyke
GS-07-225	7740068	2008, 2009, 2015	333233	6066065	21	NAD27	13J/12	Core	JL-06-10	360.00	372.00	Quartz-feldspar porphyry dyke; dated at 1801 ± 0.9 Ma
GS-07-226	7740184	2008, 2009, 2011, 2015	333035	6066263	21	NAD27	13J/12	Core	JL-06-13	83.80	84.12	Quartz-feldspar porphyry dyke
GS-07-230	7740053	2008, 2009, 2015	333035	6066263	21	NAD27	13J/12	Core	JL-06-13	134.25	134.75	Feldspar-porphyry
GS-07-231	7740054	2008, 2009, 2015	334457	6068107	21	NAD27	13J/12	Core	JL-06-40	178.20	178.90	Quartz-K-feldpspar granite
GS-07-232	7740055	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	18.90	19.40	K-feldpsar-quartz-biotite-bearing granite
GS-07-233	7740185	2008, 2009, 2011, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	50.26	50.66	Plagioclase-phyric, fine-grained mafic dyke
GS-07-234	7740056	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	64.00	64.40	Weakly porphyritic felsic metavolcanic
GS-07-235	7740057	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	96.12	96.52	Weakly porphyritic felsic metavolcanic
GS-07-238	7740058	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	229.70	230.20	Quartz-feldspar porphyry
GS-07-239	7740186	2008, 2009, 2011, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	271.11	271.29	Foliated fine-grained mafic dyke
GS-07-240	7740059	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	281.34	281.79	Coarsely porphyritic metarhyolite
GS-07-241	7740061	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	296.17	296.69	Weakly porphyritic felsic metavolcanic
GS-07-244	7740187	2008, 2009, 2011, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	336.24	336.71	Weakly porphyritic felsic metavolcanic
GS-07-245	7740188	2008, 2009, 2011, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-11	363.45	363.96	Fine-grained mafic dyke
GS-07-247	7740189	2008, 2009, 2011, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-13	243.44	243.85	Magnetite-bearing mafic dyke
GS-07-248	7740062	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-13	244.23	244.63	Weakly porphyritic felsic metarhyolite
GS-07-249	7740063	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-13	275.02	275.62	Quartz-feldspar porphyry
GS-07-251	7740064	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-13	325.13	325.53	Coarsely porphyritic metarhyolite
GS-07-252	7740065	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-13	356.00	356.48	Weakly porphyritic felsic metavolcanic
GS-07-254	7740066	2008, 2009, 2015	307400	6052550	21	NAD27	13J/12	Core	M-06-13	422.60	423.06	Fine-grained mafic dyke
GS-07-261	7740081	2008, 2009	310247	6125426	21	NAD27	13O/04	Core	DS-07-04	125.12	125.52	Quartz-rich pegmatite with wispy mm-scale biotite-filled fractures
GS-08-007	7740082	2008, 2009, 2011	239122	6038989	21	NAD27	13K/06	Core	51562	13.52	14.02	Feldspar-porphyry
GS-08-008	7740083	2008, 2009, 2011	239122	6038989	21	NAD27	13K/06	Core	51562	17.02	17.52	Feldspar-porphyry
GS-08-016	7740084	2008, 2009, 2011	239871	6039595	21	NAD27	13K/06	Core	51565	50.73	51.23	Metabasalt
GS-08-017	7740085	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	B-42	13.50	14.00	Metabasalt
GS-08-025	7740086	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	B-21	10.08	10.48	Metabasalt
GS-08-027	7740087	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	B-21	41.90	42.40	Metabasalt
GS-08-035	7740088	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	B-21	132.98	133.50	Metagabbro
GS-08-036	7740089	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	K-74-08	17.70	18.20	Metabasalt
GS-08-037	7740091	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	K-74-08	65.40	65.90	Metabasalt
GS-08-043	7740092	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	B-47	16.63	17.13	Metabasalt
GS-08-044	7740093	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	B-47	60.50	60.90	Metabasalt
GS-08-045	7740094	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	B-47	91.44	91.84	Metabasalt
GS-08-050	7740095	2008, 2009, 2011, 2015	340900	6097160	21	NAD27	13J/14	Core	B-47	142.30	143.30	Felsic dyke
GS-08-053	7740096	2008, 2009, 2011	243878	6043687	21	NAD27	13K/07	Core	ML-03	41.50	42.30	Metabasalt
GS-08-063	7740097	2008, 2009, 2011	243878	6043687	21	NAD27	13K/07	Core	ML-03	107.35	107.66	Hematite-carbonate alterted breccia

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Lower Detection Limit												
Analysis Method												
GS-08-068	7740098	2008, 2009, 2011	243878	6043687	21	NAD27	13K/07	Core	ML-03	149.35	149.75	Metabasalt
GS-08-074	7740099	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-04	17.20	17.70	Fine-grained granite
GS-08-075	7740101	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-04	45.75	46.25	Plagioclase-phyric, weakly magnetic, mafic dyke
GS-08-076	7740102	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-04	49.80	50.20	Fine-grained granite
GS-08-078	7740103	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-04	66.05	66.60	Fine-grained granodiorite
GS-08-079	7740104	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-02	101.00	101.50	Fine-grained granodiorite
GS-08-080	7740105	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-02	72.20	72.50	Fine-grained, weakly porphyritic felsic dyke
GS-08-081	7740106	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-02	62.27	62.77	Fine-grained granodiorite
GS-08-082	7740107	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-02	9.00	9.50	Fine-grained granite
GS-08-083	7740108	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-02	33.87	34.37	Fine-grained, weakly foliated, granite
GS-08-084	7740109	2008, 2009, 2011	382551	6072100	21	NAD27	13J/15	Core	MBAT-08-02	46.43	47.00	Fine-grained granite
GS-08-088	7740111	2008, 2009, 2011	382570	6072136	21	NAD27	13J/15	Core	MBAT-08-06	83.00	83.10	Fine-grained, strongly foliated, granite
GS-08-089	7740112	2008, 2009, 2011	382570	6072136	21	NAD27	13J/15	Core	MBAT-08-06	89.18	89.68	Highly magnetic, fine-grained, chlorite alteration
GS-08-090	7740113	2008, 2009, 2011	378697	6069937	21	NAD27	13J/15	Core	MBAT-08-05	4.45	4.90	Fine-grained granite
GS-08-092	7740114	2008, 2009, 2011	378697	6069937	21	NAD27	13J/15	Core	MBS7-08-05	41.23	41.73	Fine-grained, weakly foliated, granite
GS-08-095	7740115	2008, 2009, 2011	378697	6069937	21	NAD27	13J/15	Core	MBS7-08-05	96.57	97.17	Fine-grained granite
GS-08-104	7740116	2008, 2009, 2011	243937	6043516	21	NAD27	13K/07	Core	ML-82	114.40	114.80	Fine-grained mafic dyke
GS-08-136	7740117	2008, 2009, 2011	226672	6037745	21	NAD27	13K/06	Grab	08G.W.S.099			Fine-grained, non-magnetic, mafic dyke
GS-08-137	7740118	2008, 2009, 2011	226840	6037730	21	NAD27	13K/06	Core	CL-06	15.05	23.00	Ash tuff interebedded with basal Brown Lake Formation; dated at 1665 ± 3.5 Ma
GS-08-152	7740119	2008, 2009, 2011	243631	6043933	21	NAD27	13K/07	Grab	08G.W.S.069			Fine-grained mafic dyke
GS-08-175	7740121	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	75.49	75.99	Weakly porphyritic, felsic metavolcanic
GS-08-176	7740122	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	83.62	84.24	Weakly hematized, weakly porphyritic, felsic metavolcanic
GS-08-177	7740123	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	99.15	99.75	Fine-grained mafic dyke
GS-08-179	7740124	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	162.75	163.25	Amphibolized, fine-grained, mafic dyke with 1-2% pyrite
GS-08-180	7740125	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	173.40	174.00	Fine-grained, dioritic dyke
GS-08-181	7740126	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	201.00	201.54	Weakly porphyritic, moderately foliated, felsic metavolcanic
GS-08-182	7740127	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	67.42	68.02	Weakly porphyritic, felsic metavolcanic
GS-08-183	7740128	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	296.31	296.82	Fine-grained, dioritic dyke
GS-08-184	7740129	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	318.16	318.76	Weakly porphyritic, felsic metavolcanic
GS-08-185	7740131	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	327.35	327.81	Very fine grained, non-porphyritic, moderately foliated felsic metavolcanic
GS-08-187	7740132	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	395.27	396.00	Weakly porphyritic, felsic metavolcanic
GS-08-188	7740133	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	459.24	460.00	Fine-grained, dioritic dyke
GS-08-189	7740134	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	472.18	472.68	Fine grained, magnetic mafic dyke
GS-08-190	7740135	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	543.61	544.11	Weakly porphyritic, moderately foliated, felsic metavolcanic
GS-08-191	7740136	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	579.26	579.96	Fluorite-bearing, fine-grained, felsic dyke
GS-08-193	7740137	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-75	763.45	763.95	Weakly porphyritic, felsic metavolcanic
GS-08-195	7740211	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	729.60	730.30	"Bleached" siliceous zone within felsic metavolcanic
GS-08-196	7740138	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	799.70	800.30	Coarsely porphyritic, felsic core of dyke
GS-08-198	7740139	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	878.00	878.54	Very fine grained, non-porphyritic, strongly foliated felsic metavolcanic
GS-08-199	7740141	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	911.71	912.20	Weakly porphyritic, felsic metavolcanic
GS-08-201	7740142	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	1003.24	1003.64	Pale grey, moderately porphyritic felsic metavolcanic (20-30% phenocrysts)
GS-08-204	7740143	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	1127.74	1137.14	Undeformed diorite to monzodiorite; dated at 1644 ± 4 Ma
GS-08-205	7740144	2008, 2009, 2011, 2015	306492	6051177	21	NAD27	13J/12	Core	M-07-075A	1149.20	1149.70	Weakly porphyritic, felsic metavolcanic
GS-08-206	7740145	2008, 2009, 2011, 2015	307146	6051898	21	NAD27	13J/12	Core	M-07-072	114.36	116.78	Medium-grained, quartz-K-feldspar-biotite bearing granite
GS-08-207	7740146	2008, 2009, 2011, 2015	307146	6051898	21	NAD27	13J/12	Core	M-07-072	285.25	285.62	Weakly porphyritic, felsic metavolcanic
GS-08-208	7740147	2008, 2009, 2011, 2015	307146	6051898	21	NAD27	13J/12	Core	M-07-072	303.19	303.59	Weakly porphyritic, moderately foliated, felsic metavolcanic
GS-08-209	7740212	2008, 2009, 2011, 2015	307146	6051898	21	NAD27	13J/12	Core	M-07-072	354.94	355.44	Coarsely porphyritic metarhyolite
GS-08-210	7740213	2008, 2009, 2011, 2015	307146	6051898	21	NAD27	13J/12	Core	M-07-072	358.25	358.75	Coarsely porphyritic, felsic core of dyke
GS-08-215	7740148	2008, 2009, 2011, 2015	307146	6051898	21	NAD27	13J/12	Core	M-07-072	438.95	447.45	Weakly porphyritic felsic metavolcanic; dated at 1858 ± 2 Ma
GS-08-217	7740149	2008, 2009, 2011, 2015	307146	6051898	21	NAD27	13J/12	Core	M-07-072	542.20	543.74	Fine-grained mafic dyke crosscutting mineralization
GS-08-224	7740151	2008, 2009, 2011, 2015	332769	6065965	21	NAD27	13J/12	Core	JL-07-058	46.40	46.75	Fine-grained mafic dyke
GS-08-225	7740152	2008, 2009, 2011, 2015	332769	6065965	21	NAD27	13J/12	Core	JL-07-058	72.85	73.35	Fine-grained, diorite dyke
GS-08-226	7740153	2008, 2009, 2011, 2015	332769	6065965	21	NAD27	13J/12	Core	JL-07-058	90.54	91.14	Fine-grained, unmineralized, intermediate metavolcanic
GS-08-229	7740154	2008, 2009, 2011, 2015	332769	6065965	21	NAD27	13J/12	Core	JL-07-058A	235.65	240.49	Medium-grained granodiorite/quartz-monzodiorite; dated at 1798 ± 2 Ma
GS-08-233	7740155	2008, 2009, 2011, 2015	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	141.23	141.73	Weak to moderate actinolite-carbonate veining within intermediate metavolcanic
GS-08-234	7740156	2008, 2009, 2011, 2015	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	167.80	168.30	Fine-grained mafic dyke
GS-08-235	7740157	2008, 2009, 2011, 2015	332815	6065831	21	NAD27	13J/12	Core	JL-07-60	168.85	171.27	Fine-grained, intermediate metavolcanic; contains titanite dated at 1781 ± 10 Ma
GS-08-247	7740198	2008, 2009, 2011	393594	6069783	21	NAD27	13J/15	Grab	08G.W.S.107			Spherulitic rhyolite

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Lower Detection Limit												
Analysis Method												
GS-08-252B	7740259	2010, 2011	362485	6093306	21	NAD27	13J/14	Grab	08G.W.S.002			Hematite-albite alteration within felsic metavolcanic with up to 4600 cps
GS-08-253	7740199	2008, 2009, 2011	362514	6093414	21	NAD27	13J/14	Grab	08G.W.S.003			Unmineralized felsic metavolcanic
GS-08-256	7740201	2008, 2009, 2011	362623	6093983	21	NAD27	13J/14	Grab	08G.W.S.006			Albitized felsic metavolcanic
GS-08-263	7740202	2008, 2009, 2011, 2015	340381	6097499	21	NAD27	13O/03	Grab	08G.W.S.015			Coarse-grained metagabbro (Kitts Metagabbro)
GS-08-282	7740203	2008, 2009, 2011	362229	6120342	21	NAD27	13O/03	Grab	08G.W.S.041			Felsic metavolvcanic immediately adjacent to granite intrusion
GS-08-288	7740204	2008, 2009, 2011	393594	6069783	21	NAD27	13J/15	Grab	08G.W.S.106			Feldspar-phyric crystal tuff; dated at 1855.2 ± 1.4 Ma
GS-08-302	7740205	2008, 2009, 2011	243178	6043052	21	NAD27	13K/07	Grab	08G.W.S.079			Fine-grained gabbro
GS-08-304	7740206	2008, 2009, 2011	243750	6043039	21	NAD27	13K/07	Grab	08G.W.S.083			Fine-grained gabbro
GS-08-305	7740207	2008, 2009, 2011	242829	6042453	21	NAD27	13K/07	Core	ML-A1-07	17.10	23.50	Coarse-grained gabbro
GS-08-322	7740208	2008, 2009, 2011	298516	6064780	21	NAD27	13K/09	Grab	08G.W.S.057			Mafic metavolcanic
GS-09-009	7740261	2010, 2011	230228	6054210	21	NAD27	13K/11	Core	CMB-07-14	312.80	313.30	Weakly hematitized fine- to medium-grained granodiorite/tonalite
GS-09-010	7740262	2010, 2011	230228	6054210	21	NAD27	13K/11	Core	CMB-07-14	374.40	375.00	Relatively unaltered granodiorite/tonalite
GS-09-011	7740263	2010, 2011	230228	6054210	21	NAD27	13K/11	Core	CMB-07-15	236.49	236.89	Carbonate-rich, fine-grained mafic dyke
GS-09-013	7740307	2010, 2011	230228	6054210	21	NAD27	13K/11	Core	CMB-07-15	305.00	305.33	Hematite-carbonate altered granodiorite/tonalite
GS-09-014	7740308	2010, 2011	230228	6054210	21	NAD27	13K/11	Core	CMB-07-15	305.45	305.80	Relatively unaltered granodiorite/tonalite
GS-09-015	7740229	2010, 2011	230228	6054210	21	NAD27	13K/11	Core	CMB-07-15	346.40	346.90	Fine-grained, dark green mafic dyke
GS-09-019	7740231	2010, 2011	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	479.74	480.34	Plagioclase-phyric, grey-green, fine-grained mafic dyke
GS-09-020	7740264	2010, 2011, 2015	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	453.80	454.25	Leucocratic portion of gneissic unit
GS-09-022	7740265	2010, 2011	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	379.10	379.60	Pale pink, medium-grained, homogeneous granodiorite/tonalite with moderate chlorite fracturing
GS-09-023	7740266	2010, 2011, 2015	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	378.28	378.50	Tonalitic gneiss
GS-09-024	7740267	2010, 2011	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	348.04	348.48	Medium-grained, pale pink homogeneous granodiorite/tonalite with moderate chlorite fracturing
GS-09-028	7740232	2010, 2011	230297	6054023	21	NAD27	13K/11	Core	CMB-07-21	218.60	219.14	Fine-grained granodiorite/tonalite dyke crosscutting gneiss
GS-09-035	7740268	2010, 2011	226734	6050824	21	NAD27	13K/11	Core	SNNM-07-01	85.00	85.60	Medium-grained granodiorite/tonalite
GS-09-036	7740269	2010, 2011	230994	6052981	21	NAD27	13K/11	Core	SN-08-08	231.13	231.58	Crush breccia within granodiorite/tonalite
GS-09-037	7740233	2010, 2011	230994	6052981	21	NAD27	13K/11	Core	SN-08-08	208.00	208.50	Pinkish-orange medium- to coarse-grained granite
GS-09-041	7740271	2010, 2011	230994	6052981	21	NAD27	13K/11	Core	SN-08-08	119.40	119.90	Medium-grained greyish granodiorite/tonalite
GS-09-056	7740234	2010, 2011	234776	6050768	21	NAD27	13K/11	Grab	09G.W.S.013			Weak to moderately fractured, weakly hematized, medium-grained granodiorite/tonalite
GS-09-064	7740235	2010, 2011	235062	6050709	21	NAD27	13K/11	Core	FHLN-07-01	95.80	96.25	Medium-grained, chlorite-rich granodiorite/tonalite
GS-09-066	7740236	2010, 2011	235062	6050709	21	NAD27	13K/11	Core	FHLN-07-01	58.15	58.70	Medium-grained, chlorite-rich granodiorite/tonalite
GS-09-067	7740237	2010, 2011	235062	6050709	21	NAD27	13K/11	Core	FHLN-07-01	49.30	49.75	Fine-grained dark-green mafic dyke
GS-09-068	7740238	2010, 2011	235062	6050709	21	NAD27	13K/11	Core	FHLN-07-01	26.95	27.45	Fine-grained dark-green mafic dyke
GS-09-069	7740272	2010, 2011	237942	6051461	21	NAD27	13K/11	Grab	09G.W.S.025			Variably hematized medium-grained granodiorite/tonalite with up to 1200 cps
GS-09-073	7740239	2010, 2011	234518	6049192	21	NAD27	13K/11	Core	FHLS-07-04	102.35	102.95	Medium-grained unaltered graondiorite
GS-09-075	7740273	2010, 2011	234518	6049192	21	NAD27	13K/11	Core	FHLS-07-04	42.10	42.97	Quartz-feldspar-rich pegmatite
GS-09-077	7740274	2010, 2011	314957	6056123	21	NAD27	13J/12	Core	SP-06-10	155.67	156.17	Weaky foliated, fine-grained mafic dyke
GS-09-079	7740275	2010, 2011	314957	6056123	21	NAD27	13J/12	Core	SP-06-10	161.70	162.20	Pale grey unaltered, chlorite-biotite-rich intermediate metavolcanic
GS-09-080	7740241	2010, 2011	314957	6056123	21	NAD27	13J/12	Core	SP-06-10	170.69	171.40	Fine-grained, foliated, weakly magnetic mafic dyke
GS-09-084	7740242	2010, 2011	316015	6056271	21	NAD27	13J/12	Core	ML-08-04	281.50	282.00	Fine-grained mafic dyke
GS-09-087	7740276	2010, 2011	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	34.30	34.80	Albitic alteration developed in intermediate metavolcanic
GS-09-088	7740277	2010, 2011	314949	6056051	21	NAD27	13J/12	Core	SP-07-14	137.20	137.88	Massive, dark purple, intermediate volcanic above mineralized zone
GS-09-090	7740278	2010, 2011	314949	6056051	21	NAD27	13J/12	Core	SP-07-14	146.34	146.84	Feldspar-phyric intermediate metavolcanic
GS-09-091	7740243	2010, 2011	314949	6056051	21	NAD27	13J/12	Core	SP-07-14	100.61	101.11	Coarsely porphyritic intermediate metavolcanic
GS-09-092	7740244	2010, 2011	314949	6056051	21	NAD27	13J/12	Core	SP-07-14	118.16	118.90	Fine-grained, undeformed diorite dyke
GS-09-094	7740245	2010, 2011	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	61.95	62.50	Chlorite-rich intermediate metavolcanic
GS-09-095	7740246	2010, 2011	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	73.17	73.70	Feldspar-phyric intermediate metavolcanic
GS-09-098	7740279	2010, 2011	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	148.07	148.57	Quartz-feldspar-phyric metarhyolite
GS-09-099	7740281	2010, 2011	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	236.23	236.64	Pale purple, highly fractured intermediate metavolcanic with discontinuous white carbonate veining
GS-09-100	7740282	2010, 2011	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	237.20	237.70	Pale cream coloured porphyritic metarhyolite
GS-09-101	7740247	2010, 2011	315531	6055774	21	NAD27	13J/12	Core	ML-08-07	243.11	243.54	Coarsely porphyritic metarhyolite
GS-09-111	7740283	2010, 2011	241905	6042607	21	NAD27	13K/07	Grab	09G.W.S.039			Unmineralized iron-carbonate veining developed in basalt
GS-09-112	7740284	2010, 2011	243333	6042941	21	NAD27	13K/07	Grab	09G.W.S.040			Black sulfide-rich shale from area of anomalous radioactivity
GS-09-114	7740285	2010, 2011	243300	6042909	21	NAD27	13K/07	Grab	09G.W.S.041			Buff brown weathering, fine-grained mafic dyke
GS-09-118	7740248	2010, 2011	243738	6042989	21	NAD27	13K/07	Grab	09G.W.S.044			Feldspar-phyric mafic dyke
GS-09-127	7740286	2010, 2011	237755	6031039	21	NAD27	13K/06	Core	ML-MA-08	155.50	156.00	Strongly foliated, weakly sericitized ash flow tuff
GS-09-128	7740249	2010, 2011	237755	6031039	21	NAD27	13K/06	Core	ML-MA-08	125.63	126.13	Fine-grained dark-green, non-magnetic, carbonate altered, foliated mafic dyke
GS-09-129	7740251	2010, 2011	237755	6031039	21	NAD27	13K/06	Core	ML-MA-08	119.20	119.53	Undeformed, fine-grained, non-magnetic mafic dyke
GS-09-134	7740287	2010, 2011	237755	6031039	21	NAD27	13K/06	Core	ML-MA-08	44.95	45.47	Unaltered, massive, coarsely porphyritic ash flow tuff
GS-09-137	7740288	2010, 2011	248471	6049469	21	NAD27	13K/10	Core	ML-MH-04	76.74	77.30	Fine-grained, dark green, mafic volcanic with chlorite-carbonate filled fractures

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Unit												
Lower Detection Limit												
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GS-09-148	7740252	2010, 2011	248471	6049469	21	NAD27	13K/10	Core	ML-MH-03	82.30	83.00	Fine-grained, dark green, non-magnetic basalt; Joe Pond Formation
GS-09-150	7740289	2010, 2011	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	107.77	108.37	Coarse-grained tonalite
GS-09-151	7740291	2010, 2011	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	96.57	97.07	Brecciated dolostone immediately above unconformity with tonalite
GS-09-152	7740292	2010, 2011	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	90.30	91.04	Massive pale grey dolostone
GS-09-155	7740293	2010, 2011	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	41.01	41.32	Unmineralized, brecciated dolostone
GS-09-157	7740294	2010, 2011	244916	6048710	21	NAD27	13K/10	Core	ML-A51-06	23.31	23.83	Thinly-bedded, sulfide-rich shale
GS-09-158	7740295	2010, 2011	244671	6048643	21	NAD27	13K/10	Core	ML-A51-03	97.74	98.28	Medium-grained, sericite-chlorite altered tonalite
GS-09-159	7740296	2010, 2011	244671	6048643	21	NAD27	13K/10	Core	ML-A51-03	53.40	53.90	Highly fractured dolostone
GS-09-164	7740297	2010, 2011	243328	6042908	21	NAD27	13K/07	Core	ML-EM-05	63.05	63.50	Fine-grained, dark green mafic dyke
GS-09-165	7740298	2010, 2011	243328	6042908	21	NAD27	13K/07	Core	ML-EM-05	43.40	43.92	Sulphide-rich shale xenolith contained in dyke
GS-09-167	7740253	2010, 2011	243328	6042908	21	NAD27	13K/07	Core	ML-EM-05	2.10	2.70	Fine-grained, dark green, non-magnetic basalt
GS-09-172	7740254	2010, 2011	243310	6042873	21	NAD27	13K/07	Core	ML-EM-04	56.67	57.07	Fine-grained gabbro
GS-09-177	7740299	2010, 2011, 2015	337400	6091040	21	NAD27	13J/13	Core	G-68-135	10.00	10.49	Biotite-carbonate-rich mafic tuff
GS-09-185	7740255	2010, 2011, 2015	337358	6091555	21	NAD27	13J/13	Core	G-68-132	51.83	52.25	Fine-grained, dark green mafic volcanic
GS-09-188	7740256	2010, 2011	337112	6091157	21	NAD27	13J/13	Core	G-68-142	28.72	29.22	Fine-grained diorite
GS-09-189	7740257	2010, 2011, 2015	337112	6091157	21	NAD27	13J/13	Core	G-68-142	49.00	49.50	Foliated quartz-feldspar porphyry
GS-09-193	7740301	2010, 2011	331763	6087237	21	NAD27	13J/13	Core	N-69-29	21.40	21.90	Thinly bedded, siliceous, purple-pink, sericitic felsic tuff
GS-09-194	7740258	2010, 2011	331763	6087237	21	NAD27	13J/13	Core	N-69-29	61.70	62.30	Siliceous, weakly chlorite-sericite altered, felsic tuff
GS-09-197	7740302	2010, 2011	331875	6087422	21	NAD27	13J/13	Core	N-68-02	42.83	43.30	Chlorite-epidote altered mafic tuff
GS-09-199	7740303	2010, 2011	332085	6087470	21	NAD27	13J/13	Core	N-69-17	74.47	75.20	Dark-green mafic tuff
GS-09-200	7740304	2010, 2011	332085	6087470	21	NAD27	13J/13	Core	N-69-17	95.40	95.70	Pale green, chlorite-epidote altered mafic tuff hosting weakly anomalous radioactivity
GS-09-201	7740305	2010, 2011, 2015	329918	6086993	21	NAD27	13J/13	Core	NW-77-04	5.60	6.10	Quartz-feldspar porphyry
GS-09-222	7740306	2010, 2011	242784	6098785	21	NAD27	13K/14	Grab	07G.W.S.061			Gossan zone in mafic intrusive
GS-14-001	7740903	2015, 2016	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	286.70	287.15	Maggo Gneiss
GS-14-002	7740904	2015, 2016	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	257.70	258.30	Fine-grained, dark green mafic dyke
GS-14-006	7740905	2015, 2016	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	216.40	216.80	K-feldspar-quartz-rich pegmatite
GS-14-007	7740906	2015, 2016	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	183.90	184.70	Unaltered, medium-grained granodiorite
GS-14-011	7740907	2015, 2016	231021	6052839	21	NAD27	13K/11	Core	SN-08-06	100.06	100.10	Fine-grained, dark green mafic dyke
GS-14-019	7740908	2015, 2016	230704	6053704	21	NAD27	13K/11	Core	SN-07-01	122.35	123.00	Amphibole-rich granodiorite due to contact metamorphism
GS-14-020	7740909	2015, 2016	230704	6053704	21	NAD27	13K/11	Core	SN-07-01	129.00	137.50	Medium-grained, relatively unaltered, K-feldspar-rich grainte
GS-14-033	7740911	2015, 2016	230801	6053679	21	NAD27	13K/11	Core	SN-08-12	300.90	306.30	Fine-grained, dark green mafic dyke
GS-14-035	7740912	2015, 2016	230801	6053679	21	NAD27	13K/11	Core	SN-08-12	225.60	226.20	Unaltered, medium-grained granodiorite
GS-14-038	7740913	2015, 2016	230373	6054047	21	NAD27	13K/11	Core	CMB-07-20	257.34	257.92	Fine-grained, dark green mafic dyke
GS-14-039	7740914	2015, 2016	225458	6056696	21	NAD27	13K/11	Grab	14G.W.S.005			Maggo Gneiss
GS-14-040	7740915	2015, 2016	225458	6056696	21	NAD27	13K/11	Grab	14G.W.S.005			Quartz-K-feldspar-rich granite
GS-14-043	7740917	2015, 2016	231476	6057386	21	NAD27	13K/11	Grab	14G.W.S.010			Fine-grained, weakly plagioclase-phyric, mafic dyke
GS-14-049	7740918	2015, 2016	239782	6040805	21	NAD27	13K/06	Grab	14G.W.S.014			Unaltered, fine-grained mafic metavolcanic
GS-14-054	7740919	2015, 2016	243968	6043479	21	NAD27	13K/07	Core	ML-115	169.60	170.00	Unaltered, fine-grained mafic metavolcanic
GS-14-057	7741001	2015, 2016	243968	6043479	21	NAD27	13K/07	Core	ML-115	164.40	164.70	Brecciated hematite-Fe-carbonate alteration within mafic metavolcanic
GS-14-060	7740921	2015, 2016	243968	6043479	21	NAD27	13K/07	Core	ML-115	156.50	157.00	Unaltered conglomerate of the Heggart Lake Formation
GS-14-063	7740922	2015, 2016	243968	6043479	21	NAD27	13K/07	Core	ML-116	217.00	217.50	Unaltered, fine-grained mafic metavolcanic
GS-14-064	7740923	2015, 2016	243968	6043479	21	NAD27	13K/07	Core	ML-116	203.30	203.70	Medium-grained, plagioclase-phyric gabbroic dyke
GS-14-065	7741002	2015, 2016	243968	6043479	21	NAD27	13K/07	Core	ML-116	161.70	162.20	Brecciated hematite-Fe-carbonate alteration within mafic metavolcanic
GS-14-067	7740924	2015, 2016	243968	6043479	21	NAD27	13K/07	Core	ML-116	147.47	148.00	Plagioclase-phyric mafic dyke containing mm-scale zoned feldspar
GS-14-076	7740925	2015, 2016	242915	6042725	21	NAD27	13K/07	Core	ML-A1-08	95.30	95.80	Unaltered, fine-grained mafic metavolcanic
GS-14-077	7740926	2015, 2016	242915	6042725	21	NAD27	13K/07	Core	ML-A1-08	70.50	70.90	Fine-grained, gabbroic dyke
GS-14-078	7740927	2015, 2016	242915	6042725	21	NAD27	13K/07	Core	ML-A1-08	10.90	11.40	Unaltered, fine-grained mafic metavolcanic
GS-14-088	7740928	2015, 2016	242709	6042828	21	NAD27	13K/07	Core	ML-A1-12	40.65	41.20	Unaltered, fine-grained mafic metavolcanic
GS-14-090	7740929	2015, 2016	240743	6043052	21	NAD27	13K/06	Grab	14G.W.S.018			Fine-grained, dark green, non-magnetic mafic metavolcanic
GS-14-091	7740931	2015, 2016	240696	6043055	21	NAD27	13K/06	Grab	14G.W.S.018			Medium-grained gabbro, mag 32.60
GS-14-092	7740932	2015, 2016	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	51.35	52.00	Chlorite altered tonalite
GS-14-094	7740933	2015, 2016	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	60.00	60.50	Fine- to -medium-grained, chlorite altered, granodiorite/tonalite
GS-14-095	7740934	2015, 2016	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	248.50	249.00	Medium-grained granodiorite
GS-14-096	7740935	2015, 2016	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	278.70	279.20	Strongly foliated mafic dyke
GS-14-097	7740936	2015, 2016	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	284.10	284.70	Fine-grained, undeformed, dark green mafic dyke
GS-14-099	7740937	2015, 2016	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	352.30	352.90	Moderately foliated mafic dyke
GS-14-101	7740938	2015, 2016	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	426.50	427.00	Medium-grained granodiorite
GS-14-105	7740939	2015, 2016	230324	6053989	21	NAD27	13K/11	Core	CMB-12-49	550.40	551.00	Fine-grained, dark green mafic dyke

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Unit												
Lower Detection Limit												
Analysis Method												
GS-14-106	7740941	2015, 2016	238561	6050833	21	NAD27	13K/11	Core	FS-11-07	131.00	131.75	Weakly hematized, medium-grained granodiorite
GS-14-107	7740942	2015, 2016	238561	6050833	21	NAD27	13K/11	Core	FS-11-07	116.50	117.15	Fine-grained, dark green mafic dyke with abundant white carbonate veining
GS-14-109	7740943	2015, 2016	238561	6050833	21	NAD27	13K/11	Core	FS-11-07	81.50	82.30	Unaltered, fine-grained mafic metavolcanic
GS-14-112	7740944	2015, 2016	238561	6050833	21	NAD27	13K/11	Core	FS-11-07	29.90	30.50	Hematized granodiorite
GS-14-113	7740945	2015, 2016	242976	6042935	21	NAD27	13K/07	Core	ML-193	8.10	8.70	Brecciated hematite-Fe-carbonate-albite alteration
GS-14-114	7740946	2015, 2016	242976	6042935	21	NAD27	13K/07	Core	ML-193	34.50	34.90	Brecciated hematite-Fe-carbonate-albite alteration
GS-14-115	7740947	2015, 2016	242976	6042935	21	NAD27	13K/07	Core	ML-193	49.30	50.00	Weakly brecciated hematite-Fe-carbonate alteration
GS-14-116	7740948	2015, 2016	242976	6042935	21	NAD27	13K/07	Core	ML-193	52.30	53.00	Unaltered, fine-grained mafic dyke
GS-14-118	7740949	2015, 2016	242976	6042935	21	NAD27	13K/07	Core	ML-193	69.50	70.00	Weakly brecciated hematite-Fe-carbonate alteration
GS-14-120	7740951	2015, 2016	242976	6042935	21	NAD27	13K/07	Core	ML-193	102.50	103.00	Milled hydrothermal breccia in hematite-carbonate-albite alteration
GS-14-128	7740952	2015, 2016	244157	6043818	21	NAD27	13K/07	Core	ML-166	119.00	119.60	Unaltered, fine-grained mafic metavolcanic
GS-14-129	7740953	2015, 2016	246963	6044570	21	NAD27	13K/07	Core	ML-GV-01	523.00	523.75	Medium-grained gabbro
GS-14-130	7740954	2015, 2016	246963	6044570	21	NAD27	13K/07	Core	ML-GV-01	479.77	487.96	Pale grey, medium-grained granite; dated at 1772 ± 10 Ma
GS-14-131	7740955	2015, 2016	246963	6044570	21	NAD27	13K/07	Core	ML-GV-01	427.20	427.90	Medium-grained, diorite phase of Henri Lake gabbro
GS-14-132	7740956	2015, 2016	246963	6044570	21	NAD27	13K/07	Core	ML-GV-01	405.00	405.60	Medium-grained, gabbroic phase of Henri Lake gabbro
GS-14-135	7740957	2015, 2016	246963	6044570	21	NAD27	13K/07	Core	ML-GV-01	395.00	395.70	Fine-grained, marginal mafic phase of Henri Lake gabbro
GS-14-142	7740958	2015, 2016	243804	6043527	21	NAD27	13K/07	Core	ML-44	387.00	387.70	Unaltered, fine-grained mafic metavolcanic
GS-14-160	7740963	2015, 2016	246928	6044725	21	NAD27	13K/07	Grab	14G.W.S.027			Red, fine-grained sandstone
GS-14-161	7741003	2015, 2016	245468	6044939	21	NAD27	13K/07	Grab	14G.W.S.030			Fine-grained, pale grey sandstone hosting anomalous radioactivity
GS-14-169	7740964	2015, 2016	240971	6045421	21	NAD27	13K/07	Grab	14G.W.S.039			Biotite- bearing, feldspar-rich granite
GS-14-170	7740965	2015, 2016	241083	6045332	21	NAD27	13K/07	Grab	14G.W.S.040			Biotite-bearing, K-feldspar-rich granite
GS-14-171	7740966	2015, 2016	244631	6046976	21	NAD27	13K/10	Grab	14G.W.S.041			Medium-grained granodiorite
GS-14-172	7740967	2015, 2016	334537	6088991	21	NAD27	13J/13	Core	I-07-003	76.90	77.60	Thinly banded/foliated, very siliceous, pale red metasediment
GS-14-173	7740968	2015, 2016	334537	6088991	21	NAD27	13J/13	Core	I-07-003	98.00	98.60	Thinly banded/foliated, fine-grained, dark green metasediment
GS-14-174	7740969	2015, 2016	334537	6088991	21	NAD27	13J/13	Core	I-07-003	112.70	120.80	Fine-grained, pale pink, felsic dyke or tuff
GS-14-176	7740971	2015, 2016	334537	6088991	21	NAD27	13J/13	Core	I-07-003	166.50	167.20	Strongly foliated sammite to semipelite
GS-14-177	7740972	2015, 2016	334537	6088991	21	NAD27	13J/13	Core	I-07-003	216.80	217.40	Fine-grained, amphibolite/mafic metavolcanic
GS-14-180	7740973	2015, 2016	334537	6088991	21	NAD27	13J/13	Core	I-07-004	211.30	216.45	Fine-grained, pale grey, weak to moderately foliated felsic dyke
GS-14-181	7740974	2015, 2016	334537	6088991	21	NAD27	13J/13	Core	I-07-004	264.76	265.40	Fine-grained, dark green mafic metavolcanic
GS-14-182	7741004	2015, 2016	334537	6088991	21	NAD27	13J/13	Core	I-07-004	327.90	328.70	Fine-grained, thinly bedded semipelite
GS-14-184	7740975	2015, 2016	247418	6050109	21	NAD27	13K/10	Grab	14G.W.S.042			Coarse-grained granodiorite/monzodiorite
GS-14-186	7740976	2015, 2016	238762	6050529	21	NAD27	13K/11	Grab	14G.W.S.044			Medium-grained granodiorite/monzodiorite
GS-14-188	7740977	2015, 2016	233078	6051980	21	NAD27	13K/11	Grab	14G.W.S.047			Fine-grained, siliceous siltstone
GS-14-192	7740978	2015, 2016	228872	6047267	21	NAD27	13K/11	Grab	14G.W.S.053			Medium-grained, chlorite-epidote altered granodiorite
GS-14-197	7740979	2015, 2016	244374	6040263	21	NAD27	13K/07	Grab	14G.W.S.062			Pale grey, intermediate volcanic
GS-14-198	7740981	2015, 2016	244374	6040263	21	NAD27	13K/07	Grab	14G.W.S.062			Pale purple, feldspar-phyric intermediate volcanic
GS-14-199	7740982	2015, 2016	249820	6034192	21	NAD27	13K/07	Grab	14G.W.S.063			Pale purple, feldspar-phyric, felsic crystal tuff
GS-14-200	7740983	2015, 2016	242963	6012608	21	NAD27	13K/02	Core	ML-08-06	74.80	75.70	Pale pink, feldspar-phyric, crystal tuff
GS-14-201	7740984	2015, 2016	242963	6012608	21	NAD27	13K/02	Core	ML-08-06	50.50	51.40	Pale pink, feldspar-phyric, crystal tuff hosting magnetite veining
GS-14-203	7740985	2015, 2016	242807	6012434	21	NAD27	13K/02	Core	ML-08-02	83.46	87.78	Pink, feldspar-phyric crystal tuff; dated at 1645 ± 4 Ma
GS-14-220	7740986	2015, 2016	307249	6052131	21	NAD27	13J/12	Core	ML-163	200.80	201.30	Albitic alteration with relic "vuggy" textured zones within felsic metavolcanic
GS-14-227	7740987	2015, 2016	306510	6052328	21	NAD27	13J/12	Grab	14G.W.S.092			Strongly foliated granodiorite
GS-14-230	7740988	2015, 2016	307249	6052131	21	NAD27	13J/12	Core	ML-163	203.66	204.10	Felsic core of the coarsely porphyritic complex dyke
GS-14-232	7740989	2015, 2016	307249	6052131	21	NAD27	13J/12	Core	ML-163	237.00	237.60	Unmineralized, coarsely porphyritic metavolcanic
GS-14-245	7740991	2015, 2016	306236	6050125	21	NAD27	13J/12	Core	RZ-06-02	133.60	134.40	Fine-grained, chlorite-rich mafic metavolcanic
GS-14-246	7740992	2015, 2016	306236	6050125	21	NAD27	13J/12	Core	RZ-06-02	115.40	116.00	Medium-grained, quartz monzodiotite
GS-14-247	7740993	2015, 2016	306236	6050125	21	NAD27	13J/12	Core	RZ-06-02	91.05	91.75	Fine-grained, non-magnetic, chlorite-rich mafic metavolcanic
GS-14-249	7740994	2015, 2016	306236	6050125	21	NAD27	13J/12	Core	RZ-06-02	50.13	50.67	Fine-grained felsic metavolcanic
GS-14-252	7740995	2015, 2016	307061	6052200	21	NAD27	13J/12	Core	ML-157	72.90	81.06	Felsic core of the coarsely porphyritic complex dyke; dated at 1854.5 ± 3 Ma
GS-15-015	7741017	2015, 2016	315052	6057138	21	NAD27	13J/12	Core	IZ-79-05	24.40	25.10	Quartz-feldspar porphyry dyke
GS-15-016	7741018	2015, 2016	315052	6057138	21	NAD27	13J/12	Core	IZ-79-05	46.20	46.70	Quartz-feldspar porphyry with bluish, mm-scale quartz phenocyrsts
GS-15-017	7741019	2015, 2016	315052	6057138	21	NAD27	13J/12	Core	IZ-79-07	12.50	13.10	Fine-grained intermediate metavolcanic
GS-15-018	7741021	2015, 2016	315052	6057138	21	NAD27	13J/12	Core	IZ-79-07	45.00	45.70	Quartz-feldspar porphyry with bluish, mm-scale quartz phenocyrsts
GS-15-019	7741022	2015, 2016	239797	6041473	21	NAD27	13K/06	Grab	15G.W.S.100			Moderately to strongly magnetic, mafic hyaloclastite
GS-15-020	7741023	2015, 2016	243789	6043592	21	NAD27	13K/07	Core	ML-32	151.60	152.40	Unaltered metabasalt
GS-15-022	7741024	2015, 2016	243789	6043592	21	NAD27	13K/07	Core	ML-32	132.80	133.40	Post mineralization, dark green, porphyritic mafic dyke
GS-15-027	7741025	2015, 2016	242720	6042945	21	NAD27	13K/07	Core	ML-A1-54	211.00	211.50	Fine-grained gabbro dyke
GS-15-029	7741026	2015, 2016	242720	6042945	21	NAD27	13K/07	Core	ML-A1-54	195.50	196.10	Medium-grained gabbro

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Unit												
Lower Detection Limit												
Analysis Method												
GS-15-032	7741027	2015, 2016	242720	6042945	21	NAD27	13K/07	Core	ML-A1-54	47.50	47.95	Pale green, porphyritc mafic dyke containing subrounded dark green phenocrysts
GS-15-033	7741028	2015, 2016	242720	6042945	21	NAD27	13K/07	Core	ML-A1-54	25.20	25.80	Unaltered metabasalt
GS-15-034	7741029	2015, 2016	239959	6041259	21	NAD27	13K/06	Grab	15G.W.S.102			Maroon, moderately magnetic, weakly radioactive mafic metavolcanic
GS-15-035	7741159	2015, 2016	239917	6041287	21	NAD27	13K/06	Grab	15G.W.S.104			Dark purple, weakly radioactive mafic metavolcanics
GS-15-039	7741031	2015, 2016	239756	6041073	21	NAD27	13K/06	Grab	15G.W.S.107			Hematite-rich breccia
GS-15-041	7741032	2015, 2016	239796	6040930	21	NAD27	13K/06	Grab	15G.W.S.109			Intermediate, fine-grained, non-magnetic intrusive
GS-15-043	7741033	2015, 2016	241517	6042757	21	NAD27	13K/07	Core	ML-A1-21	106.00	106.60	Fine-grained metabasalt crosscut by abundant white quartz-carbonate veins
GS-15-046	7741034	2015, 2016	238623	6041199	21	NAD27	13K/06	Grab	15G.W.S.116			Moderately to strongly magnetic, mafic hyaloclastite
GS-15-048	7741035	2015, 2016	238941	6040290	21	NAD27	13K/06	Grab	15G.W.S.120			Moderately to strongly magnetic, fine-grained gabbro
GS-15-049	7741036	2015, 2016	239071	6040279	21	NAD27	13K/06	Grab	15G.W.S.121			Chlorite altered fine-grained mafic metavolcanic
GS-15-051	7741037	2015, 2016	239565	6040739	21	NAD27	13K/06	Grab	15G.W.S.126			Hematite and carbonate altered, moderately fractured, mafic metavolcanic with up to 400 cps
GS-15-053	7741038	2015, 2016	239690	6040783	21	NAD27	13K/06	Hand drilled	15G.W.S.130			Fine-grained mafic metavolcanic with weakly developed brecciation
GS-15-054	7741039	2015, 2016	239779	6040792	21	NAD27	13K/06	Hand drilled	15G.W.S.131			Fe-oxide-rich breccia
GS-15-055	7741041	2015, 2016	239756	6041073	21	NAD27	13K/06	Hand drilled	15G.W.S.107			Fe-oxide-rich breccia
GS-15-056	7741042	2015, 2016	239827	6041131	21	NAD27	13K/06	Hand drilled	15G.W.S.105			Fe-oxide-rich breccia
GS-15-057	7741043	2015, 2016	240839	6041585	21	NAD27	13K/07	Core	ML-AR-12	21.00	21.60	Unaltered mafic metavolcanic
GS-15-061	7741044	2015, 2016	309283	6053422	21	NAD27	13J/12	Grab	15G.W.S.142			Vessicular pillow basalt
GS-15-062	7741045	2015, 2016	309327	6053458	21	NAD27	13J/12	Grab	15G.W.S.143			Fine-grained, foliated felsic metavolcanic
GS-15-063	7741046	2015, 2016	309335	6053624	21	NAD27	13J/12	Grab	15G.W.S.145			Sugary textured, fine-grained, felsic metavolcanic with up to 500 cps
GS-15-064	7741047	2015, 2016	309240	6053739	21	NAD27	13J/12	Grab	15G.W.S.146			Rusty weathering, altered granite
GS-15-065	7741048	2015, 2016	309646	6053556	21	NAD27	13J/12	Grab	15G.W.S.150			Magnetite-rich breccia cutting coarsely-porphyritic metarhyolite
GS-15-066	7741049	2015, 2016	309903	6053475	21	NAD27	13J/12	Grab	15G.W.S.152			Mafic tuff with cm-scale elongate carbonate-rich lenses
GS-15-068	7741051	2015, 2016	308503	6052548	21	NAD27	13J/12	Grab	15G.W.S.154			Biotite-bearing, fine-grained, felsic metavolcanic
GS-15-069	7741052	2015, 2016	308587	6052405	21	NAD27	13J/12	Grab	15G.W.S.155			Weakly porphyritic felsic metavolcanic
GS-15-070	7741053	2015, 2016	308950	6052462	21	NAD27	13J/12	Grab	15G.W.S.158			Foliated mafic dyke
GS-15-072	7741055	2015, 2016	309063	6052436	21	NAD27	13J/12	Grab	15G.W.S.159			Sugary textured, porphyritic felsic metavolcanic with up to 350 cps
GS-15-073	7741056	2015, 2016	309481	6052207	21	NAD27	13J/12	Grab	15G.W.S.160			Weakly hematite altered, porphyritic felsic metavolcanic
GS-15-074	7741057	2015, 2016	309283	6051665	21	NAD27	13J/12	Grab	15G.W.S.162			Moderately to strongly altered, porphyritic felsic metavolcanic
GS-15-075	7741058	2015, 2016	308229	6052025	21	NAD27	13J/12	Grab	15G.W.S.163			Magnetite-veined, porphyritic felsic metavolcanic
GS-15-076	7741059	2015, 2016	308003	6052224	21	NAD27	13J/12	Grab	15G.W.S.164			Finely porphyritic metavolcanic
GS-15-077	7741061	2015, 2016	307564	6052337	21	NAD27	13J/12	Grab	15G.W.S.166			Moderately altered, coarsely porphyritic, metarhyolite
GS-15-078	7741062	2015, 2016	307373	6052044	21	NAD27	13J/12	Grab	15G.W.S.167			Magnetite-amphibolite veining in felsic metavolcanic
GS-15-082	7741063	2015, 2016	306950	6051031	21	NAD27	13J/12	Grab	15G.W.S.171			Finely porphyritic felsic metavolcanic
GS-15-083	7741064	2015, 2016	306849	6050812	21	NAD27	13J/12	Grab	15G.W.S.172			Medium-grained, biotite-bearing granite
GS-15-084	7741065	2015, 2016	306621	6051108	21	NAD27	13J/12	Grab	15G.W.S.173			Moderately altered, finely porphyritic, felsic metavolcanic
GS-15-085	7741066	2015, 2016	306635	6051301	21	NAD27	13J/12	Grab	15G.W.S.174			Weakly altered, finely porphyritic, felsic metavolcanic
GS-15-086	7741067	2015, 2016	306493	6052568	21	NAD27	13J/12	Grab	15G.W.S.176			Strongly foliated, biotite-rich schist
GS-15-087	7741068	2015, 2016	306355	6052544	21	NAD27	13J/12	Grab	15G.W.S.177			Biotite-bearing, xenolith-rich, foliated granite
GS-15-090	7741069	2015, 2016	306001	6052200	21	NAD27	13K/09	Grab	15G.W.S.181			Moderately foliated intermediate intrusion
GS-15-091	7741071	2015, 2016	306423	6051828	21	NAD27	13J/12	Grab	15G.W.S.184			Moderately foliated, coarsely porphyritic, felsic metavolcanic
GS-15-092	7741072	2015, 2016	306226	6051615	21	NAD27	13J/12	Grab	15G.W.S.185			Weakly altered, fine-grained, weakly porphyritic felsic metavolcanic
GS-15-093	7741073	2015, 2016	306037	6051526	21	NAD27	13K/09	Grab	15G.W.S.186			Strongly altered, coarsely porphyritic metarhyolite
GS-15-094	7741074	2015, 2016	306021	6051440	21	NAD27	13K/09	Grab	15G.W.S.187			Strongly foliated and altered felsic metavolcanic
GS-15-095	7741075	2015, 2016	305964	6051090	21	NAD27	13K/09	Grab	15G.W.S.189			Weakly altered, porphyritic felsic metavolcanic
GS-15-096	7741076	2015, 2016	305878	6051877	21	NAD27	13K/09	Grab	15G.W.S.192			Weakly altered porphyritic felsic metavolcanic
GS-15-097	7741077	2015, 2016	303383	6054172	21	NAD27	13K/09	Grab	15G.W.S.193			Weakly hematized, strongly foliated weakly porphyritic felsic metavolcanic
GS-15-098	7741078	2015, 2016	303520	6054582	21	NAD27	13K/09	Grab	15G.W.S.194			Weakly hematized, coarsely porphyritic metarhyolite
GS-15-099	7741079	2015, 2016	304138	6054497	21	NAD27	13K/09	Grab	15G.W.S.195			Weakly hematized, coarsely porphyritic metarhyolite
GS-15-100	7741081	2015, 2016	304034	6054279	21	NAD27	13K/09	Grab	15G.W.S.196			Relatively fresh, weakly porphyritic, felsic metavolcanic
GS-15-101	7741082	2015, 2016	304033	6054184	21	NAD27	13K/09	Grab	15G.W.S.197			Moderately altered, porphyritic felsic metavolcanic
GS-15-102	7741083	2015, 2016	303921	6054017	21	NAD27	13K/09	Grab	15G.W.S.198			Weakly hematized, porphyritic metarhyolite
GS-15-103	7741084	2015, 2016	304398	6053820	21	NAD27	13K/09	Grab	15G.W.S.199			Unaltered, porphyritic, felsic metavolcanic
GS-15-104	7741085	2015, 2016	303749	6053686	21	NAD27	13K/09	Grab	15G.W.S.201			Relatively fresh, weakly porphyritic, felsic metavolcanic
GS-15-105	7741086	2015, 2016	304391	6053514	21	NAD27	13K/09	Grab	15G.W.S.203			Weakly altered, porphyritic, felsic metavolcanic
GS-15-106	7741087	2015, 2016	304767	6053433	21	NAD27	13K/09	Grab	15G.W.S.204			Medium-grained, K-feldspar-rich granite
GS-15-107	7741088	2015, 2016	305952	6052876	21	NAD27	13K/09	Grab	15G.W.S.205			Weakly altered, finely porphyritic, felsic metavolcanic
GS-15-108	7741089	2015, 2016	306116	6052663	21	NAD27	13K/09	Grab	15G.W.S.206			Moderately hematized, porphyritic, felsic metavolanic
GS-15-109	7741091	2015, 2016	306543	6052311	21	NAD27	13J/12	Grab	15G.W.S.207			Moderatly altered, coarsely porphyritic, felsic metavolcanic

SampleNum	LabNum	AnalysisYr	UTMEast	UTMNorth	UTMZone	Datum	NTS_Map	SampleType	DDH_StationID	FromDepthm	ToDepthm	Description
Unit												
Lower Detection Limit												
Analysis Method												
GS-15-111	7741092	2015, 2016	306514	6052332	21	NAD27	13J/12	Grab	15G.W.S.208			Fine-grained, weakly porhpyritic metavolcanic adjacent to intrusive
GS-15-112	7741093	2015, 2016	308862	6055676	21	NAD27	13J/12	Grab	15G.W.S.209			Relatively fresh, weakly porphyritic, metarhyolite
GS-15-114	7741094	2015, 2016	310101	6055135	21	NAD27	13J/12	Grab	15G.W.S.211			Relatively fresh, weakly porphyritic, felsic metavolcanic
GS-15-115	7741095	2015, 2016	310163	6055068	21	NAD27	13J/12	Grab	15G.W.S.212			Foliated and weakly altered, felsic metavolcanic
GS-15-117	7741096	2015, 2016	310331	6054662	21	NAD27	13J/12	Grab	15G.W.S.219			Moderately altered, coarsely porphyritic, metarhyolite
GS-15-118	7741097	2015, 2016	310376	6054545	21	NAD27	13J/12	Grab	15G.W.S.221			Weak to moderately altered, porphyritic, metarhyolite
GS-15-123	7741099	2015, 2016	307973	6053028	21	NAD27	13J/12	Grab	15G.W.S.137			Fine-grained granite
GS-15-124	7741101	2015, 2016	307849	6062761	21	NAD27	13J/12	Core	MH-79-18	25.65	26.30	Coarse-grained, K-feldspar porphyritic, granite
GS-15-126	7741102	2015, 2016	307860	6062745	21	NAD27	13J/12	Core	MH-79-19	4.55	5.00	Quartz-K-feldspar-rich granite
GS-15-128	7741103	2015, 2016	333035	6066263	21	NAD27	13J/12	Core	JL-06-12	17.25	17.75	Altered intermediate metavolcanic
GS-15-129	7741104	2015, 2016	333035	6066263	21	NAD27	13J/12	Core	JL-06-12	36.85	37.45	Weakly altered intermediate metavolcanic
GS-15-130	7741105	2015, 2016	333035	6066263	21	NAD27	13J/12	Core	JL-06-12	57.20	57.75	Post-alteration, fine-grained, mafic dyke
GS-15-131	7741106	2015, 2016	333035	6066263	21	NAD27	13J/12	Core	JL-06-12	72.97	73.52	Quartz-feldspar porphyry with pinkish groundmass
GS-15-132	7741107	2015, 2016	333035	6066263	21	NAD27	13J/12	Core	JL-06-12	111.00	114.10	Fine-grained, feldspar-porphyry
GS-15-133	7741108	2015, 2016	333035	6066263	21	NAD27	13J/12	Core	JL-06-12	123.75	124.30	Quartz-feldspar porphyry with dark purple, more mafic-rich groundmass
GS-15-135	7741109	2015, 2016	334645	6066588	21	NAD27	13J/12	Grab	15G.W.S.232			Feldspar-phyric, purple, ash-flow tuff
GS-15-136	7741111	2015, 2016	334435	6066582	21	NAD27	13J/12	Grab	15G.W.S.233			Strongly foliated, purple to pink, epidote-rich metavolcanic
GS-15-138	7741112	2015, 2016	332781	6065787	21	NAD27	13J/12	Core	JL-07-63	10.97	11.40	Quartz-K-feldspar phyric rhyolite
GS-15-139	7741113	2015, 2016	332781	6065787	21	NAD27	13J/12	Core	JL-07-63	47.35	47.80	Weakly feldspar-phyric rhyolite
GS-15-143	7741114	2015, 2016	332781	6065787	21	NAD27	13J/12	Core	JL-07-63	195.20	195.70	Fine-grained, plagioclase-phyric, mafic dyke
GS-15-144	7741115	2015, 2016	332781	6065787	21	NAD27	13J/12	Core	JL-07-63	210.40	210.85	Quartz-feldspar porphyry with dark purple, more mafic-rich groundmass
GS-15-147	7741116	2015, 2016	332781	6065787	21	NAD27	13J/12	Core	JL-07-63	245.20	245.65	Non-radioactive, intermediate metavolcanic above mineralized zone
GS-15-148	7741117	2015, 2016	332781	6065787	21	NAD27	13J/12	Core	JL-07-63	283.00	283.50	Intermediate metavolcanic hosting amphibole-rich veining and elevated radioactivity
GS-15-149	7741118	2015, 2016	333061	6065773	21	NAD27	13J/12	Core	JL-08-80	13.50	14.00	Intermediate metavolcanic hosting variably developed carbonate veining
GS-15-150	7741119	2015, 2016	333061	6065773	21	NAD27	13J/12	Core	JL-08-80	42.80	43.30	Porphyritc mafic dyke
GS-15-151	7741121	2015, 2016	333061	6065773	21	NAD27	13J/12	Core	JL-08-80	152.25	152.75	Fine-grained, crystal tuff
GS-15-152	7741122	2015, 2016	325032	6057745	21	NAD27	13J/12	Core	WB-06-01	132.65	133.10	Unaltered, feldspar and quartz-phyric, felsic metavolcanic
GS-15-153	7741123	2015, 2016	325032	6057745	21	NAD27	13J/12	Core	WB-06-01	70.70	71.20	Weakly altered, feldspar and quartz-phyric, felsic metavolcanic below mineralized zone
GS-15-154	7741124	2015, 2016	325032	6057745	21	NAD27	13J/12	Core	WB-06-01	39.60	40.00	Intermediate, carbonate altered, fine-grained dyke
GS-15-155	7741125	2015, 2016	325032	6057745	21	NAD27	13J/12	Core	WB-06-01	29.00	29.60	Weakly altered, feldspar and quartz-phyric, felsic metavolcanic
GS-15-163	7741126	2015, 2016	247152	6045112	21	NAD27	13K/07	Grab	15G.W.S.242			Brecciated, Fe-carbonate altered, porphyritic mafic dyke
GS-15-164	7741127	2015, 2016	247307	6045420	21	NAD27	13K/07	Grab	15G.W.S.245			Fe-carbonate altered and brecciated mafic intrusive
GS-15-165	7741128	2015, 2016	247410	6045380	21	NAD27	13K/07	Grab	15G.W.S.246			Fe-carbonate altered and brecciated red sandstone hosting anomalous radioactivity
GS-15-167	7741129	2015, 2016	248030	6015018	21	NAD27	13K/02	Grab	15G.W.S.251			Variably altered, pyrite-bearing, felsic metavolcanic
GS-15-168	7741131	2015, 2016	247906	6015004	21	NAD27	13K/02	Grab	15G.W.S.252			Strongly foliated and altered, pyritic felsic metavolcanic
GS-15-169	7741132	2015, 2016	250378	6014896	21	NAD27	13K/02	Grab	15G.W.S.253			Fine-grained gabbro
GS-15-170	7741133	2015, 2016	248543	6028921	21	NAD27	13K/07	Grab	15G.W.S.254			Pale purple, fine-grained, felsic ash-flow tuff
GS-15-171	7741134	2015, 2016	252527	6034681	21	NAD27	13K/07	Grab	15G.W.S.255			Grey-green, intermediate, crystal tuff
GS-15-172	7741135	2015, 2016	255661	6038578	21	NAD27	13K/07	Grab	15G.W.S.259			Pale grey intermediate dyke
GS-15-173	7741136	2015, 2016	261844	6039670	21	NAD27	13K/07	Grab	15G.W.S.261			Dark green, fine-grained, intermediate crystal tuff
GS-15-177	7741137	2015, 2016	396184	6072393	21	NAD27	13J/15	Grab	15G.W.S.263			Altered felsic volcanic from area of anomalous radioactivity
GS-15-178	7741138	2015, 2016	396090	6072344	21	NAD27	13J/15	Grab	15G.W.S.264			Rusty weathering, altered felsic volcanic rock displaying localized vuggy texture
GS-15-183	7741139	2015, 2016	394356	6071009	21	NAD27	13J/15	Grab	15G.W.S.268			Relatively unaltered felsic volcanic host rock
GS-15-184	7741141	2015, 2016	393397	6070316	21	NAD27	13J/15	Grab	15G.W.S.269			Porphyritic crystal tuff
GS-15-190	7741142	2015, 2016	417494	6057553	21	NAD27	13J/09	Grab	15G.W.S.275			Medium-grained granite with anomalous radioactivity
GS-15-191	7741143	2015, 2016	426645	6058467	21	NAD27	13J/09	Grab	15G.W.S.277			Pale grey crystal tuff from zone of anomalous radioactivity
GS-15-196	7741144	2015, 2016	315409	6055652	21	NAD27	13J/12	Core	ML-08-08	31.80	32.30	Relatively unaltered intermediate metavolcanic
GS-15-197	7741145	2015, 2016	315409	6055652	21	NAD27	13J/12	Core	ML-08-08	44.05	44.50	Relatively unaltered, finely-porphyritic felsic metavolcanic
GS-15-198	7741146	2015, 2016	315409	6055652	21	NAD27	13J/12	Core	ML-08-08	177.00	177.50	Coarsely porphyritic metavolcanic
GS-15-199	7741147	2015, 2016	237072	6039516	21	NAD27	13K/06	Grab	15G.W.S.282			Moderately to strongly magnetic, mafic hyaloclastite
GS-15-200	7741148	2015, 2016	237227	6039573	21	NAD27	13K/06	Grab	15G.W.S.283			Moderately to strongly magnetic, mafic hyaloclastite
GS-15-201	7741149	2015, 2016	236982	6039746	21	NAD27	13K/06	Grab	15G.W.S.284			Fe-carbonate-rich dolostone
GS-15-202	7741151	2015, 2016	238420	6039775	21	NAD27	13K/06	Grab	15G.W.S.285			Cataclastic breccia (?)
GS-15-204	7741152	2015, 2016	246975	6044365	21	NAD27	13K/07	Grab	15G.W.S.288			Fine-grained intermediate dyke

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total	Ag	As	Ba	Ba	Be	Bi	Cd
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit				0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.05, 0.1	2	1	1	0.1	0.5	0.1
Analysis Method				ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Calc	Titr	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Grav	Calc	ICPOES-HNO3	ICPOES-4Acid	ICPOES-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid
GS-07-001	7740001	Felsic tuff	GSNL	76.55	10.88	2.62	-99	-99	0.22	0.61	6.07	0.23	0.184	0.091	0.024	1.66	99.13	-0.1	38	95	96	2.8	-99	0.3
GS-07-008	7740158	Felsic tuff	GSNL	74.45	11.17	3.17	2.31	0.78	0.09	0.56	3.01	5.25	0.213	0.048	0.008	0.56	98.53	-0.1	5	62	62	4.8	-99	0.1
GS-07-010	7740002	Felsic tuff	GSNL	73.93	11.34	3.28	2.29	0.89	0.08	0.71	3.89	4.14	0.253	0.079	0.015	0.63	98.35	-0.1	6	122	131	2.7	-99	0.3
GS-07-011	7740159	Felsic tuff	GSNL	75.12	11.88	3.05	1.62	1.28	0.24	0.76	5.39	2.68	0.251	0.081	0.011	0.41	99.86	-0.1	3	84	85	3.1	-99	0.3
GS-07-018	7740003	Mafic dyke	GSNL	51.65	13.72	14.36	3.02	10.21	3.79	7.46	5.71	0.47	2.487	0.210	0.544	0.43	100.83	-0.1	11	696	627	0.9	-99	-0.1
GS-07-020	7740161	Felsic tuff	GSNL	75.33	10.86	3.44	2.00	1.30	0.19	0.95	4.66	2.48	0.241	0.064	0.018	0.32	98.56	-0.1	4	114	121	3.8	-99	-0.1
GS-07-021	7740004	Mafic dyke	GSNL	46.24	16.47	14.55	2.98	10.42	5.70	8.65	3.76	1.78	1.914	0.196	0.232	1.16	100.66	-0.1	5	446	402	0.1	-99	0.1
GS-07-022	7740162	Mafic dyke	GSNL	46.06	14.53	16.99	3.62	12.03	5.14	6.98	3.80	2.45	2.181	0.262	0.266	1.05	99.70	-0.1	5	611	598	1.1	-99	0.3
GS-07-024	7740005	Felsic tuff	GSNL	76.03	11.54	3.36	1.94	1.28	0.18	0.64	4.18	4.10	0.276	0.066	0.026	0.41	100.80	-0.1	5	135	135	3.5	-99	-0.1
GS-07-025	7740006	Mafic dyke	GSNL	51.70	16.70	9.73	2.72	6.31	5.26	7.54	4.05	1.84	0.946	0.149	0.192	1.98	100.08	-0.1	6	630	578	0.8	-99	-0.1
GS-07-027	7740007	Mafic dyke	GSNL	46.26	13.49	18.05	8.64	8.47	3.43	7.89	4.85	2.35	1.422	0.351	0.251	1.19	99.53	-0.1	7	343	316	4.3	-99	3.0
GS-07-028	7740008	Mafic dyke	GSNL	56.49	16.03	8.14	1.51	5.97	4.34	6.13	4.47	2.74	0.682	0.153	0.165	1.18	100.52	-0.1	4	1050	925	1.0	-99	-0.1
GS-07-029	7740069	Felsic tuff	GSNL	75.31	11.53	3.35	1.83	1.37	0.17	0.61	4.34	3.85	0.275	0.099	0.027	0.32	99.87	-0.1	6	158	144	3.9	-99	0.6
GS-07-030	7740009	Mafic dyke	GSNL	49.99	17.20	10.08	1.50	7.73	5.43	6.95	4.20	2.80	1.108	0.175	0.243	1.39	99.56	-0.1	5	677	607	1.4	-99	-0.1
GS-07-034	7740163	Felsic tuff	GSNL	73.62	11.16	3.19	1.83	1.23	0.13	0.73	3.33	4.95	0.252	0.093	0.014	0.68	98.15	-0.1	4	170	184	3.7	-99	0.2
GS-07-037	7740071	Mafic dyke	GSNL	48.66	12.83	15.30	7.75	6.79	3.96	8.52	5.06	2.09	1.372	0.380	0.243	0.92	99.32	-0.1	7	145	149	4.9	-99	1.7
GS-07-039	7740072	Mafic dyke	GSNL	50.28	13.39	14.03	6.33	6.93	3.51	6.93	6.64	0.35	2.485	0.285	0.480	0.92	99.29	-0.1	15	45	58	2.6	-99	0.5
GS-07-044	7740164	Mafic dyke	GSNL	55.41	15.77	7.78	1.42	5.72	4.05	6.60	4.34	2.50	0.681	0.152	0.141	1.18	98.61	-0.1	6	1035	1013	0.8	-99	-0.1
GS-07-047	7740011	Granodiorite	GSNL	60.50	16.86	5.38	1.94	3.10	2.39	3.95	5.21	1.29	0.685	0.088	0.239	3.54	100.13	-0.1	3	395	398	0.9	-99	-0.1
GS-07-052	7740012	Granodiorite	GSNL	53.74	16.59	6.33	2.53	3.43	2.45	5.35	7.76	0.36	0.737	0.066	0.238	5.18	98.80	-0.1	3	167	160	1.4	-99	-0.1
GS-07-055	7740165	Chlorite breccia	GSNL	56.36	17.46	2.11	0.79	1.18	2.97	6.14	8.62	0.13	0.247	0.070	0.076	6.38	100.55	-0.1	-2	76	59	1.1	-99	0.2
GS-07-061	7740166	Granodiorite	GSNL	60.81	16.54	5.68	2.33	3.01	2.37	5.08	4.72	0.97	0.760	0.082	0.243	1.81	99.06	-0.1	-2	244	251	0.6	-99	0.2
GS-07-067	7740167	Granodiorite	GSNL	61.22	16.10	5.90	2.58	2.99	2.22	5.09	4.76	0.95	0.719	0.087	0.233	1.66	98.94	0.2	-2	366	370	0.6	-99	0.2
GS-07-072	7740168	Mafic dyke	GSNL	52.63	16.28	8.60	2.03	5.91	4.63	7.10	5.33	1.99	0.773	0.133	0.193	1.30	98.96	-0.1	6	690	688	0.8	-99	-0.1
GS-07-075	7740169	Mafic dyke	GSNL	36.54	16.58	13.74	2.21	10.38	10.95	5.99	3.23	0.08	0.853	0.253	0.059	10.51	98.79	-0.1	2	19	18	0.9	-99	0.5
GS-07-076	7740171	Chlorite breccia	GSNL	64.87	16.82	2.38	0.48	1.71	1.58	2.04	7.65	0.60	0.378	0.074	0.111	2.61	99.10	-0.1	-2	240	243	0.9	-99	-0.1
GS-07-077	7740172	Gneiss	GSNL	72.70	14.81	0.58	0.40	0.17	0.44	1.17	5.86	2.01	0.095	0.015	0.026	1.53	99.24	-0.1	-2	386	400	1.0	-0.5	-0.1
GS-07-078	7740173	Gneiss	GSNL	66.84	16.22	1.99	0.92	0.96	1.20	1.88	5.61	1.84	0.328	0.041	0.096	2.43	98.48	-0.1	-2	291	309	1.2	-0.5	-0.1
GS-07-090	7740013	Mafic dyke	GSNL	41.63	5.55	16.62	9.91	6.04	11.40	12.20	0.16	0.03	0.809	0.223	0.058	10.74	99.42	-0.1	4	19	17	3.6	-99	0.3
GS-07-091	7740014	Mafic dyke	GSNL	47.54	15.18	12.20	3.41	7.91	8.37	4.57	4.13	0.11	0.939	0.171	0.070	7.57	100.85	-0.1	3	82	57	1.1	-99	0.2
GS-07-093	7740174	Gneiss	GSNL	65.68	16.29	2.25	0.67	1.42	1.35	1.94	6.33	1.36	0.389	0.047	0.123	2.69	98.45	-0.1	-2	472	488	1.0	-0.5	-0.1
GS-07-094	7740015	Pegmatite	GSNL	73.31	16.21	0.19	-99	-99	0.16	0.91	8.84	0.20	0.033	0.005	0.017	1.08	100.96	-0.1	3	76	76	1.0	-99	-0.1
GS-07-098	7740016	Mafic dyke	GSNL	36.51	17.51	18.22	7.90	9.28	13.79	0.61	2.69	0.14	3.241	0.177	0.356	7.28	100.51	-0.1	3	128	124	0.8	-99	-0.1
GS-07-101	7740017	Granodiorite	GSNL	72.57	15.35	0.60	0.09	0.45	0.64	1.15	8.15	0.23	0.088	0.017	0.028	1.49	100.31	-0.1	3	136	138	1.1	-99	-0.1
GS-07-102	7740175	Mafic dyke	GSNL	51.85	13.63	8.48	2.55	5.34	6.59	5.98	4.37	0.23	0.555	0.164	0.086	6.49	98.43	-0.1	-2	177	176	1.4	-99	0.3
GS-07-104	7740018	Granodiorite	GSNL	72.13	15.05	0.81	0.18	0.57	0.62	1.75	7.69	0.38	0.212	0.017	0.058	1.94	100.67	-0.1	6	172	174	1.0	-99	-0.1
GS-07-105	7740019	Mafic dyke	GSNL	35.51	4.18	14.01	9.44	4.11	10.57	16.91	0.03	-0.01	0.526	0.181	0.041	16.46	98.42	-0.1	4	32	30	0.8	-99	0.1
GS-07-108	7740176	Mafic dyke	GSNL	40.22	14.75	13.17	5.82	6.62	8.08	7.38	4.40	0.06	0.935	0.242	0.067	9.98	99.28	-0.1	-2	68	67	1.2	-99	0.6
GS-07-109	7740021	Mafic dyke	GSNL	43.99	15.36	14.28	4.49	8.81	10.55	3.94	3.27	0.15	0.871	0.233	0.063	7.99	100.69	-0.1	3	87	89	1.4	-99	0.2
GS-07-110	7740177	Hematite breccia	GSNL	75.11	12.56	0.87	0.57	0.27	0.38	0.85	5.87	1.81	0.087	0.011	0.017	1.14	98.70	-0.1	-2	510	521	0.5	-99	-0.1
GS-07-113	7740022	Mafic dyke	GSNL	55.12	17.53	8.49	2.32	5.55	3.55	6.72	4.12	3.32	1.041	0.140	0.530	0.27	100.82	-0.1	6	1083	974	1.9	-99	-0.1
GS-07-118	7740023	Intermed. volcanic	GSNL	58.92	15.94	9.25	3.95	4.77	3.23	0.78	6.79	2.07	0.680	0.040	0.173	0.57	98.46	-0.1	4	903	876	1.7	-99	-0.1
GS-07-120	7740024	Mafic dyke	GSNL	46.58	15.61	13.39	3.88	8.56	7.29	8.91	2.97	1.02	1.807	0.179	0.515	1.62	99.88	-0.1	6	623	571	0.2	-99	-0.1
GS-07-123	7740025	Intermed. intrusive	GSNL	50.80	16.23	10.40	3.95	5.80	5.16	4.90	5.85	2.43	1.337	0.199	0.320	2.45	100.08	-0.1	6	1163	1146	3.9	-99	-0.1
GS-07-132	7740026	Basalt	GSNL	45.90	15.10	17.12	2.30	13.34	6.82	8.37	2.25	1.63	1.389	0.279	0.121	0.91	99.91	-0.1	53	355	329	0.8	-0.5	0.3
GS-07-147	7740073	Pegmatite	GSNL	71.75	14.84	0.09	-99	-99	0.11	0.89	2.72	7.67	0.013	0.003	0.031	0.53	98.65	-0.1	3	596	614	1.0	-99	-0.1
GS-07-148	7740074	Pegmatite	GSNL	76.41	14.26	0.03	-99	-99	0.07	0.71	7.77	0.18	0.004	0.006	0.028	0.50	99.98	0.2	2	13	13	2.9	-99	-0.1
GS-07-151	7740027	Granite	GSNL	65.57	16.17	5.86	4.65	1.09	0.26	2.38	9.64	0.06	0.549	0.089	0.092	0.17	100.83	-0.1	5	120	124	7.0	-99	0.1
GS-07-159	7740028	Metagabbro	GSNL	50.43	15.56	6.43	0.68	5.18	10.65	12.63	1.81	0.52	0.348	0.144	0.034	1.74	100.30	-0.1	79	69	60	-0.1	-0.5	0.5
GS-07-161	7740029	Basalt	GSNL	51.76	13.18	14.87	1.91	11.67	5.85	8.50	2.44	0.49	1.330	0.242	0.143	0.44	99.24	-0.1	13	138	121	0.5	-0.5	0.2
GS-07-162	7740031	Diorite	GSNL	54.28	14.48	8.91	1.10	7.03	7.06	9.02	2.90	1.95	0.634	0.158	0.211	1.23	100.84	-0.1	4	773	703	1.1	-0.5	-0.1
GS-07-163	7740032	Diorite	GSNL	53.95	15.87	7.38	1.00	5.74	4.83	7.87	3.19	2.34	0.676	0.120	0.244	2.09	98.55	-0.1	4	810	828	1.0	-0.5	-0.1
GS-07-164	7740033	Diorite	GSNL	52.17	18.06	6.40	1.16	4.71	3.76	9.05	4.27	1.23	0.669	0.087	0.416	2.85	98.97	-0.1	7	390	354	1.1	-0.5	-0.1
GS-07-167	7740034	Metagabbro	GSNL	49.14	14.21	10.39	0.98	8.47	9.65	10.19	2.35	0.35	0.749	0.188	0.056	0.81	98.08	-0.1	65	75	70	0.1	-0.5	0.3
GS-07-170	7740067	Diorite	GSNL	54.60	15.38	8.50	1.85	5.99	5.30	7.42	3.05	2.24	0.736	0.112	0.204	1.99	99.53	-0.1	3	717	707	0.9	0.5	-0.1
GS-07-171	7740035	QFP	GSNL	75.17	11.71	1.59	0.01	1.42	0.25	2.09	2.54	4.02	0.100	0.033	0.019	1.68	99.19	-0.1	6	269	254	1.1	-0.5	-0.1
GS-07-172	7740075	Granodiorite	GSNL	62.76	16.02	5.35	2.46	2.60	2.13	2.20	7.91	0.18	0.651	0.074	0.240	2.63	100.15	-0.1	3	65	64	0.7	-99	-0.1
GS-07-173	7740076	Granodiorite	GSNL	59.66	17.91	6.06	2.61	3.10	2.53	1.97	8.60	0.18	0.807	0.080	0.278	2.65	100.72	-0.1	4	74	74	1.3	-99	-0.1

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total	Ag	As	Ba	Ba	Be	Bi	Cd
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit				0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.05, 0.1	2	1	1	0.1	0.5	0.1
Analysis Method				ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Calc	Titr	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Grav	Calc	ICPOES-HNO3	ICPOES-4Acid	ICPOES-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid
GS-07-174A	7740036	Mafic dyke	GSNL	41.41	13.81	15.53	7.84	6.92	6.14	7.41	4.99	0.05	1.499	0.202	0.134	8.25	99.43	-0.1	2	29	28	1.5	-99	0.3
GS-07-176	7740077	Pegmatite	GSNL	75.00	13.81	0.78	0.63	0.14	0.12	0.24	5.51	3.51	0.028	0.014	0.018	0.41	99.44	-0.1	5	57	61	1.7	-99	-0.1
GS-07-177	7740178	Granodiorite	GSNL	61.68	16.32	5.29	2.35	2.64	2.20	3.33	4.88	1.04	0.684	0.094	0.196	2.42	98.14	-0.1	-2	299	306	0.9	-99	-0.1
GS-07-179	7740037	Pegmatite	GSNL	79.55	12.35	0.33	0.08	0.22	0.31	0.37	6.89	0.13	0.022	0.008	0.008	0.88	100.86	0.3	2	36	35	0.9	-99	-0.1
GS-07-181	7740179	Granodiorite	GSNL	63.65	16.67	4.10	0.86	2.91	2.83	1.01	6.44	0.98	0.677	0.047	0.224	2.71	99.34	-0.1	-2	274	281	2.1	-99	-0.1
GS-07-182	7740038	Pegmatite	GSNL	71.31	15.13	0.91	0.46	0.40	0.30	2.02	8.81	0.06	0.014	0.019	0.019	1.95	100.55	-0.1	3	285	298	1.4	-99	-0.1
GS-07-186	7740039	Granodiorite	GSNL	62.27	16.27	5.59	1.32	3.84	3.00	2.82	5.83	0.76	0.754	0.085	0.268	2.92	100.56	-0.1	3	223	232	0.9	-99	-0.1
GS-07-187	7740041	Pegmatite	GSNL	69.74	16.16	0.31	0.07	0.22	0.19	0.70	3.83	7.74	0.025	0.006	0.026	0.88	99.62	-0.1	3	1217	1266	1.1	-99	-0.1
GS-07-188	7740042	Mafic dyke	GSNL	42.67	13.52	15.39	5.29	9.09	5.91	7.79	2.31	1.03	2.805	0.216	0.753	6.41	98.81	-0.1	6	520	489	0.8	-99	-0.1
GS-07-193	7740078	Pegmatite	GSNL	80.67	10.70	0.63	0.39	0.22	0.27	0.33	3.56	3.55	0.102	0.008	0.014	0.69	100.53	-0.1	3	355	261	0.5	-99	-0.1
GS-07-195	7740079	Pegmatite	GSNL	82.28	9.37	0.75	0.27	0.43	0.30	0.12	2.41	3.76	0.032	0.014	0.008	0.66	99.70	-0.1	-2	208	216	0.5	-99	-0.1
GS-07-197	7740043	Basalt	GSNL	50.48	13.54	13.60	1.27	11.10	6.42	9.32	2.55	0.70	1.128	0.207	0.090	0.63	98.68	-0.1	4	182	190	0.2	-0.5	0.3
GS-07-198	7740044	Basalt	GSNL	51.17	13.23	15.36	2.08	11.96	5.71	8.59	3.01	0.69	1.297	0.265	0.109	0.37	99.80	-0.1	5	205	207	0.3	-0.5	0.4
GS-07-199	7740045	Basalt	GSNL	52.14	15.01	17.62	0.91	15.04	5.42	3.93	3.85	0.59	1.416	0.292	0.129	0.44	100.83	-0.1	31	200	195	1.0	-0.5	0.4
GS-07-204	7740046	QFP	GSNL	49.89	15.62	4.21	0.41	3.42	1.53	14.06	4.81	2.28	0.149	0.171	0.022	6.83	99.58	0.3	9	548	546	1.5	-0.5	10.5
GS-07-213	7740047	Mafic dyke	GSNL	52.87	14.94	9.14	2.99	5.53	5.62	7.53	5.08	0.91	0.912	0.173	0.136	1.50	98.81	-0.1	10	268	274	2.5	-0.5	-0.1
GS-07-214	7740048	Felsic dyke	GSNL	75.67	11.64	2.58	1.24	1.21	0.21	0.57	3.62	4.61	0.214	0.030	0.019	0.33	99.51	-0.1	9	69	81	6.4	-0.5	-0.1
GS-07-215	7740049	Intermed. volcanic	GSNL	55.60	16.68	6.65	5.03	1.46	2.34	4.19	7.75	2.28	0.940	0.084	0.404	3.01	99.92	-0.1	16	1250	1235	0.9	-0.5	-0.1
GS-07-216	7740051	Intermed. volcanic	GSNL	62.72	14.82	5.57	3.17	2.16	2.46	4.55	9.23	0.07	0.680	0.136	0.171	0.55	100.96	-0.1	9	40	30	1.7	-0.5	0.3
GS-07-218	7740182	Mafic dyke	GSNL	50.34	14.32	8.84	2.37	5.83	8.06	8.60	3.65	2.09	0.595	0.151	0.177	1.56	98.40	-0.1	3	975	953	0.8	-0.5	-0.1
GS-07-220	7740052	Intermed. volcanic	GSNL	55.94	15.44	9.44	5.03	3.97	2.76	4.08	8.13	1.26	1.153	0.110	0.330	1.62	100.28	-0.1	10	1124	1120	1.5	-0.5	-0.1
GS-07-222	7740183	Mafic dyke	GSNL	45.63	16.03	11.84	3.92	7.13	7.88	9.33	3.98	1.36	1.270	0.199	0.198	1.06	98.77	-0.1	6	1793	1992	0.1	-0.5	-0.1
GS-07-225	7740068	Complex dyke	GSNL	70.86	13.80	2.61	0.71	1.71	0.34	1.10	3.94	5.41	0.360	0.044	0.077	0.52	99.06	-0.1	9	621	650	5.4	-0.5	-0.1
GS-07-226	7740184	Complex dyke	GSNL	63.05	17.65	2.49	1.35	1.03	0.26	1.63	6.37	5.75	0.423	0.052	0.017	0.92	98.61	-0.1	7	833	807	4.1	-0.5	-0.1
GS-07-230	7740053	Felsic dyke	GSNL	65.13	18.37	2.86	1.81	0.94	0.09	0.46	6.10	7.13	0.216	0.019	0.016	0.53	100.92	-0.1	9	227	235	3.4	-0.5	-0.1
GS-07-231	7740054	Granite	GSNL	57.36	17.66	6.68	2.77	3.52	2.03	5.04	4.34	3.39	1.123	0.116	0.514	1.43	99.67	-0.1	9	1590	1578	1.9	-0.5	-0.1
GS-07-232	7740055	Granite	GSNL	72.53	12.67	3.09	1.24	1.67	0.33	1.19	3.51	4.99	0.383	0.044	0.066	0.70	99.50	-0.1	7	1696	1704	2.9	-0.5	-0.1
GS-07-233	7740185	Mafic dyke	GSNL	51.57	14.82	10.19	3.24	6.25	5.75	9.44	2.98	1.32	0.857	0.186	0.232	1.16	98.50	-0.1	2	474	479	0.8	-0.5	0.2
GS-07-234	7740056	Felsic volcanic	GSNL	72.85	12.57	3.19	1.33	1.67	0.32	1.16	3.51	4.97	0.373	0.044	0.065	0.72	99.77	-0.1	8	1690	1716	3.0	-0.5	-0.1
GS-07-235	7740057	Felsic volcanic	GSNL	72.55	12.27	2.74	1.16	1.41	0.30	0.86	3.64	5.18	0.305	0.029	0.052	0.67	98.59	-0.1	5	1273	1328	2.8	-0.5	-0.1
GS-07-238	7740058	Complex dyke	GSNL	68.17	13.42	4.98	2.47	2.26	0.44	1.78	3.42	4.82	0.499	0.069	0.109	0.36	98.07	-0.1	7	1423	1428	3.4	-0.5	-0.1
GS-07-239	7740186	Mafic dyke	GSNL	45.19	14.30	16.12	3.33	11.51	5.53	7.58	4.38	1.77	2.161	0.265	1.187	1.02	99.50	-0.1	-2	1268	1227	0.9	-0.5	-0.1
GS-07-240	7740059	Porph. dyke	GSNL	72.70	12.41	3.57	1.93	1.48	0.38	1.09	4.45	4.44	0.352	0.036	0.064	0.70	100.19	-0.1	7	1372	1423	4.3	-0.5	-0.1
GS-07-241	7740061	Felsic volcanic	GSNL	74.77	12.28	2.51	1.23	1.15	0.26	0.93	3.92	4.90	0.302	0.025	0.051	0.74	100.69	-0.1	6	1231	1313	2.5	-0.5	-0.1
GS-07-244	7740187	Felsic volcanic	GSNL	72.88	12.63	3.08	1.57	1.36	0.26	1.25	4.07	4.82	0.377	0.049	0.063	0.76	100.22	-0.1	4	1537	1457	3.1	-0.5	-0.1
GS-07-245	7740188	Mafic dyke	GSNL	45.00	15.38	15.17	3.81	10.22	6.54	7.59	3.77	1.95	2.161	0.198	0.365	1.21	99.32	-0.1	-2	1862	2118	0.3	-0.5	-0.1
GS-07-247	7740189	Mafic dyke	GSNL	50.69	14.59	11.56	3.48	7.27	4.84	6.80	3.33	2.57	2.018	0.153	1.161	0.90	98.61	-0.1	3	2048	2331	1.1	-0.5	-0.1
GS-07-248	7740062	Porph. dyke	GSNL	73.69	12.80	3.28	1.74	1.39	0.33	1.05	3.88	5.03	0.391	0.037	0.074	0.34	100.91	-0.1	7	1665	1745	3.1	-0.5	-0.1
GS-07-249	7740063	Complex dyke	GSNL	69.32	13.23	4.82	2.50	2.09	0.40	2.04	3.87	5.00	0.488	0.081	0.113	0.59	99.96	-0.1	11	1634	1642	3.5	-0.5	-0.1
GS-07-251	7740064	Porph. dyke	GSNL	66.55	16.11	3.65	1.03	2.36	0.24	2.73	9.04	0.26	0.387	0.114	0.057	0.84	99.98	-0.1	11	110	92	10.1	-0.5	15.6
GS-07-252	7740065	Felsic volcanic	GSNL	73.26	12.50	3.13	2.00	1.02	0.33	1.14	7.83	0.08	0.358	0.044	0.065	0.88	99.62	-0.1	6	1493	1504	3.7	-0.5	-0.1
GS-07-254	7740066	Mafic dyke	GSNL	53.71	16.28	9.93	2.56	6.64	4.11	6.63	6.03	0.85	1.043	0.131	0.330	0.58	99.63	-0.1	4	1169	1141	1.0	-0.5	-0.1
GS-07-261	7740081	Pegmatite	GSNL	74.65	13.13	1.19	0.17	0.92	0.51	0.82	2.52	6.27	0.111	0.024	0.020	0.49	99.75	-0.1	3	688	596	1.0	-99	-0.1
GS-08-007	7740082	QFP	GSNL	61.53	16.50	3.84	-99	-99	1.36	2.90	5.80	1.80	0.590	0.078	0.261	4.21	98.86	-0.1	80	540	545	1.9	-99	-0.1
GS-08-008	7740083	QFP	GSNL	61.71	16.53	4.13	-99	-99	1.32	2.93	5.92	1.91	0.596	0.066	0.275	4.03	99.41	-0.1	15	623	626	1.9	-99	3.7
GS-08-016	7740084	Basalt	GSNL	45.04	11.66	18.39	2.29	14.49	6.07	6.51	0.99	0.02	1.954	0.238	0.168	8.19	99.23	-0.1	5	22	15	-0.1	-99	0.7
GS-08-017	7740085	Basalt	GSNL	51.16	13.54	15.45	2.31	11.82	6.17	9.03	2.52	0.32	1.260	0.240	0.098	0.46	100.24	-0.1	15	95	100	-0.1	-0.5	0.6
GS-08-025	7740086	Basalt	GSNL	50.84	13.59	14.55	2.07	11.23	6.70	9.18	2.71	0.52	1.178	0.255	0.089	0.72	100.32	-0.1	248	144	146	-0.1	-0.5	0.6
GS-08-027	7740087	Basalt	GSNL	50.92	13.73	14.42	2.26	10.95	6.13	10.04	2.49	0.35	1.133	0.218	0.089	0.43	99.94	-0.1	3	96	95	-0.1	-0.5	0.6
GS-08-035	7740088	Metagabbro	GSNL	47.01	15.14	6.37	0.88	4.94	10.70	12.74	1.36	0.97	0.351	0.123	0.023	2.43	97.22	-0.1	-2	113	121	-0.1	-0.5	0.5
GS-08-036	7740089	Basalt	GSNL	50.96	13.13	14.58	1.88	11.44	5.80	8.51	3.13	0.22	1.168	0.245	0.092	0.30	98.14	-0.1	5	45	45	-0.1	-0.5	0.8
GS-08-037	7740091	Basalt	GSNL	50.65	13.28	13.73	2.14	10.43	6.56	7.53	3.43	0.58	1.124	0.230	0.115	0.89	98.12	-0.1	16	171	176	0.3	-0.5	0.6
GS-08-043	7740092	Basalt	GSNL	51.61	13.17	14.88	1.97	11.61	5.63	7.39	3.44	0.21	1.309	0.209	0.122	0.13	98.10	-0.1	13	93	92	-0.1	-0.5	0.6
GS-08-044	7740093	Basalt	GSNL	49.35	13.57	15.02	2.43	11.33	5.62	9.92	2.46	0.19	1.349	0.214	0.121	0.26	98.06	-0.1	-2	48	47	-0.1	-0.5	0.6
GS-08-045	7740094	Basalt	GSNL	49.88	13.56	15.14	2.11	11.72	6.04	8.34	3.07	0.32	1.248	0.227	0.096	0.35	98.26	-0.1	17	85	79	-0.1	-0.5	0.6
GS-08-050	7740095	Felsic dyke	GSNL	56.10	16.57	11.23	-99	-99	2.33	0.85	8.06	0.17	1.444	0.100	0.029	2.04	98.91	-0.1	419	43	44	0.4	-0.5	0.6
GS-08-053	7740096	Basalt	GSNL	45.63	12.85	10.50	1.21	8.36	6.09	9.26	3.41	0.09	0.755	0.153	0.055	11.10	99.88	-0.1	-2	18	21	0.2	-99	0.4
GS-08-063	7740097	Breccia	GSNL	34.36	10.28	8.35	1.89	5.82	6.43	13.33	5.38	0.35	0.400	0.158	0.027	20.47	99.52	-0.1	-2	43	19	0.4	-99	0.6

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total	Ag	As	Ba	Ba	Be	Bi	Cd
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit				0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.05, 0.1	2	1	1	0.1	0.5	0.1
Analysis Method				ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Calc	Titr	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Grav	Calc	ICPOES-HNO3	ICPOES-4Acid	ICPOES-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid
GS-08-068	7740098	Basalt	GSNL	42.71	11.86	10.80	0.56	9.22	6.23	11.23	2.31	0.15	0.730	0.182	0.054	12.36	98.62	-0.1	38	36	17	-0.1	-99	0.4
GS-08-074	7740099	Granite	GSNL	76.30	12.00	0.57	0.22	0.31	0.12	0.41	4.19	4.01	0.084	0.024	0.007	0.39	98.11	-0.1	3	116	123	2.3	-99	-0.1
GS-08-075	7740101	Mafic dyke	GSNL	49.36	17.47	9.45	2.61	6.16	5.30	9.19	3.20	1.32	0.767	0.157	0.130	2.00	98.35	-0.1	-2	573	573	0.2	-99	0.1
GS-08-076	7740102	Granite	GSNL	77.80	11.76	0.84	0.65	0.18	0.09	0.39	5.34	2.14	0.093	0.022	0.007	0.40	98.89	-0.1	-2	76	73	4.9	-99	0.2
GS-08-078	7740103	Granodiorite	GSNL	62.57	15.47	5.11	2.34	2.49	1.35	3.17	4.81	3.93	0.734	0.145	0.281	0.59	98.17	-0.1	2	1263	1261	1.6	-99	-0.1
GS-08-079	7740104	Granodiorite	GSNL	62.65	15.15	5.94	2.43	3.15	1.50	3.02	4.12	4.30	0.747	0.148	0.294	0.78	98.64	-0.1	2	1267	1250	1.8	-99	-0.1
GS-08-080	7740105	Felsic dyke	GSNL	65.00	15.80	3.20	1.64	1.40	0.56	1.57	4.31	5.46	0.561	0.093	0.134	0.50	97.18	-0.1	-2	2931	3307	1.5	-99	-0.1
GS-08-081	7740106	Granodiorite	GSNL	62.89	14.73	6.44	3.29	2.84	1.54	3.46	4.37	3.81	0.768	0.156	0.297	0.47	98.93	-0.1	2	1271	1256	1.5	-99	-0.1
GS-08-082	7740107	Granite	GSNL	75.62	12.21	0.85	0.24	0.55	0.13	0.43	4.24	4.04	0.107	0.020	0.009	0.40	98.05	-0.1	-2	108	114	4.4	-99	0.1
GS-08-083	7740108	Granite	GSNL	80.24	10.04	0.64	0.22	0.38	0.07	0.19	4.31	2.11	0.085	0.013	0.005	0.32	98.02	-0.1	-2	75	82	2.4	-99	0.1
GS-08-084	7740109	Granite	GSNL	78.80	11.02	0.74	0.54	0.17	0.08	0.41	4.71	2.24	0.081	0.008	0.006	0.28	98.37	-0.1	3	88	93	3.5	-99	0.1
GS-08-088	7740111	Granite	GSNL	86.68	5.84	0.15	-99	-99	0.05	0.26	2.45	1.25	0.041	0.007	0.007	0.35	97.09	-0.1	-2	57	59	1.6	-99	-0.1
GS-08-089	7740112	Granodiorite	GSNL	67.76	13.06	4.67	2.18	2.24	1.03	3.93	6.40	1.03	0.084	0.272	0.007	0.61	98.85	-0.1	3	439	444	28.6	-99	0.1
GS-08-090	7740113	Granite	GSNL	77.11	12.08	1.21	0.81	0.36	0.15	0.46	6.98	0.15	0.130	0.018	0.018	0.45	98.74	-0.1	2	46	41	5.3	-99	0.1
GS-08-092	7740114	Granite	GSNL	75.76	12.18	1.46	1.01	0.40	0.11	0.70	5.59	2.35	0.132	0.026	0.016	0.49	98.81	-0.1	2	114	112	7.2	-99	-0.1
GS-08-095	7740115	Granite	GSNL	77.10	11.94	0.86	-99	-99	0.11	0.36	6.73	0.17	0.152	0.009	0.014	0.61	98.07	-0.1	-2	26	15	4.3	-99	0.1
GS-08-104	7740116	Mafic dyke	GSNL	52.85	13.56	9.27	2.77	5.85	3.83	6.54	0.99	3.01	0.642	0.123	0.229	8.94	99.98	-0.1	2	628	670	1.7	-99	-0.1
GS-08-136	7740117	Mafic dyke	GSNL	45.77	16.11	9.36	1.25	7.30	4.84	7.43	3.08	1.25	0.996	0.152	0.228	9.24	98.47	-0.1	13	369	375	0.7	-99	0.4
GS-08-137	7740118	Tuff	GSNL	74.55	11.94	0.91	0.89	0.02	0.50	0.63	1.64	4.03	0.234	0.024	0.045	1.91	96.40	-0.1	2	1371	1398	2.5	-99	-0.1
GS-08-152	7740119	Mafic dyke	GSNL	65.14	11.34	4.50	0.72	3.40	7.55	0.39	0.08	1.34	0.224	0.039	0.052	4.72	95.38	0.2	5	323	354	1.3	-99	-0.1
GS-08-175	7740121	Felsic volcanic	GSNL	72.49	12.59	2.91	1.20	1.54	0.24	1.13	3.44	4.98	0.367	0.043	0.058	0.43	98.67	-0.1	4	1654	1831	2.8	-0.5	-0.1
GS-08-176	7740122	Felsic volcanic	GSNL	73.43	11.87	2.25	1.13	1.00	0.31	1.08	3.42	4.92	0.298	0.028	0.041	0.73	98.37	-0.1	4	1262	1281	2.7	-0.5	-0.1
GS-08-177	7740123	Mafic dyke	GSNL	47.16	17.00	12.46	2.15	9.28	6.33	8.09	3.19	1.22	1.640	0.202	0.225	1.05	98.56	-0.1	9	404	395	-0.1	-0.5	0.9
GS-08-179	7740124	Mafic dyke	GSNL	46.42	15.18	13.00	4.00	8.10	6.49	8.09	2.85	2.82	1.614	0.190	0.970	1.24	98.87	-0.1	3	1031	998	0.6	-0.5	-0.1
GS-08-180	7740125	Diorite	GSNL	47.02	18.16	11.20	2.02	8.27	8.35	9.51	2.93	0.68	0.923	0.160	0.089	1.15	100.19	-0.1	-2	164	148	-0.1	-0.5	0.4
GS-08-181	7740126	Felsic volcanic	GSNL	72.75	12.25	2.69	1.09	1.44	0.20	1.37	3.32	5.05	0.285	0.036	0.035	0.96	98.94	-0.1	3	1196	1186	3.1	-0.5	1.2
GS-08-182	7740127	Felsic volcanic	GSNL	75.08	12.06	1.85	0.82	0.93	0.22	0.95	3.32	4.42	0.235	0.016	0.025	0.44	98.61	-0.1	3	808	794	2.4	-0.5	-0.1
GS-08-183	7740128	Diorite	GSNL	52.23	14.29	10.01	3.44	5.92	6.43	9.25	2.91	1.29	0.694	0.184	0.228	1.99	99.49	-0.1	-2	419	425	0.9	-0.5	0.3
GS-08-184	7740129	Felsic volcanic	GSNL	75.57	11.80	1.57	0.47	0.99	0.11	0.67	3.39	5.11	0.212	0.017	0.017	0.62	99.09	-0.1	4	785	785	3.3	-0.5	0.9
GS-08-185	7740131	Felsic volcanic	GSNL	75.92	12.35	1.23	0.63	0.53	0.05	0.42	3.59	5.01	0.110	0.009	0.030	0.24	98.95	-0.1	3	39	41	4.4	-0.5	0.1
GS-08-187	7740132	Felsic volcanic	GSNL	75.62	12.15	1.34	0.79	0.50	0.07	0.41	2.79	5.99	0.130	0.013	0.006	0.38	98.90	-0.1	2	248	258	2.9	-0.5	-0.1
GS-08-188	7740133	Diorite	GSNL	50.86	13.06	10.08	3.13	6.25	8.37	10.79	2.55	1.16	0.639	0.176	0.161	1.35	99.20	-0.1	-2	430	423	0.6	0.8	0.3
GS-08-189	7740134	Mafic dyke	GSNL	48.80	14.64	12.01	3.65	7.53	4.53	7.12	4.01	1.72	2.164	0.162	1.576	1.43	98.17	-0.1	2	1357	1531	0.7	-0.5	-0.1
GS-08-190	7740135	Felsic volcanic	GSNL	76.59	11.89	1.32	1.14	0.16	0.03	0.42	4.20	4.39	0.139	0.012	0.011	0.36	99.36	-0.1	3	257	274	2.2	-0.5	-0.1
GS-08-191	7740136	Felsic dyke	GSNL	74.59	12.31	1.33	0.91	0.38	0.11	0.64	4.76	3.84	0.104	0.018	0.008	0.36	98.07	-0.1	4	169	175	9.7	-0.5	-0.1
GS-08-193	7740137	Felsic volcanic	GSNL	69.01	12.53	4.16	2.33	1.64	0.35	1.49	3.54	5.57	0.425	0.060	0.069	1.02	98.22	-0.1	4	1792	1992	4.5	-0.5	-0.1
GS-08-195	7740211	Felsic volcanic	GSNL	77.26	12.40	0.47	0.20	0.24	0.05	0.59	4.24	4.25	0.108	0.011	0.005	0.28	99.67	-0.1	2	141	133	4.0	-0.5	-0.1
GS-08-196	7740138	Complex dyke	GSNL	68.66	13.28	5.14	1.82	2.99	0.29	1.92	3.43	4.96	0.541	0.082	0.115	0.32	98.74	-0.1	7	1479	1420	3.1	-0.5	-0.1
GS-08-198	7740139	Felsic volcanic	GSNL	76.15	12.10	1.32	1.09	0.21	0.02	0.59	4.16	4.53	0.109	0.009	0.004	0.50	99.49	-0.1	5	49	45	5.5	-0.5	0.1
GS-08-199	7740141	Felsic volcanic	GSNL	74.39	11.87	1.38	0.69	0.62	0.09	0.77	2.63	6.61	0.121	0.028	0.010	0.73	98.62	-0.1	5	309	306	2.5	-0.5	0.1
GS-08-201	7740142	Felsic volcanic	GSNL	71.10	12.74	3.42	1.28	1.93	0.29	1.32	3.64	4.78	0.414	0.051	0.072	0.84	98.67	-0.1	3	1915	2104	2.9	-0.5	-0.1
GS-08-204	7740143	Diorite	GSNL	53.06	17.01	9.55	4.06	4.94	3.04	6.09	4.06	2.39	1.164	0.145	0.546	0.95	98.01	-0.1	-2	1061	1050	1.1	-0.5	-0.1
GS-08-205	7740144	Felsic volcanic	GSNL	73.66	12.08	2.03	0.87	1.05	0.15	0.81	3.34	5.11	0.250	0.030	0.029	0.54	98.03	-0.1	4	1073	1061	3.2	0.6	-0.1
GS-08-206	7740145	Granite	GSNL	71.99	13.72	1.37	0.56	0.73	0.38	1.09	3.84	5.01	0.320	0.041	0.048	0.52	98.33	-0.1	3	632	631	2.8	-0.5	-0.1
GS-08-207	7740146	Felsic volcanic	GSNL	72.07	12.82	2.88	1.19	1.52	0.26	1.08	3.81	5.18	0.388	0.045	0.056	0.63	99.22	-0.1	4	1694	1884	2.4	-0.5	-0.1
GS-08-208	7740147	Felsic volcanic	GSNL	74.07	12.22	1.63	0.94	0.62	0.10	0.64	3.87	4.92	0.148	0.020	0.014	0.58	98.21	-0.1	4	254	262	2.8	-0.5	-0.1
GS-08-209	7740212	Porph. dyke	GSNL	68.39	13.36	4.77	2.84	1.74	0.41	1.61	7.18	0.73	0.478	0.054	0.097	1.19	98.27	-0.1	6	1125	1120	4.2	-0.5	-0.1
GS-08-210	7740213	Complex dyke	GSNL	67.04	13.66	5.61	2.62	2.69	1.45	2.76	7.14	1.21	0.554	0.083	0.119	0.67	100.29	-0.1	6	1190	1146	4.4	-0.5	-0.1
GS-08-215	7740148	Felsic volcanic	GSNL	71.30	12.73	2.93	1.40	1.37	0.24	1.13	3.77	5.17	0.387	0.044	0.060	0.58	98.33	-0.1	5	1613	1815	2.8	-0.5	-0.1
GS-08-217	7740149	Mafic dyke	GSNL	45.22	15.03	14.96	3.46	10.35	6.76	8.22	3.38	1.37	1.478	0.203	0.731	0.84	98.20	-0.1	-2	1114	1057	-0.1	-0.5	-0.1
GS-08-224	7740151	Mafic dyke	GSNL	47.58	9.62	9.90	3.20	6.02	17.23	7.34	2.09	1.67	0.447	0.170	0.205	2.14	98.39	-0.1	-2	434	420	0.8	-0.5	0.2
GS-08-225	7740152	Diorite	GSNL	53.27	14.13	11.11	2.48	7.77	4.25	6.65	3.74	2.18	1.651	0.180	0.349	0.87	98.36	-0.1	6	824	799	0.9	-0.5	0.2
GS-08-226	7740153	Intermed. volcanic	GSNL	54.89	17.20	8.70	5.17	3.18	2.17	3.76	7.90	1.15	1.215	0.108	0.183	1.94	99.21	-0.1	12	368	369	2.7	-0.5	0.3
GS-08-229	7740154	Granodiorite	GSNL	64.87	15.42	4.06	1.45	2.35	0.91	2.53	4.06	4.67	0.834	0.079	0.230	0.43	98.09	-0.1	6	1556	1776	1.9	-0.5	-0.1
GS-08-233	7740155	Intermed. volcanic	GSNL	55.87	15.08	8.92	5.18	3.36	2.26	5.04	8.23	0.36	1.111	0.149	0.305	2.06	99.39	-0.1	9	1150	1102	1.3	-0.5	-0.1
GS-08-234	7740156	Mafic dyke	GSNL	45.85	16.09	11.36	3.69	6.90	7.99	9.72	3.62	1.57	1.148	0.176	0.179	1.44	99.15	-0.1	5	1169	1106	-0.1	-0.5	-0.1
GS-08-235	7740157	Intermed. volcanic	GSNL	56.43	15.89	9.44	5.62	3.44	2.09	4.91	8.18	0.38	1.131	0.137	0.312	1.63	100.52	0.2	8	862	844	2.4	-0.5	0.7
GS-08-247	7740198	Felsic volcanic	GSNL	77.88	10.88	1.37	0.64	0.65	0.15	0.53	3.89	3.48	0.104	0.047	0.012	0.29	98.62	-0.1	3	162	163	3.1	-99	1.4

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total	Ag	As	Ba	Ba	Be	Bi	Cd
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit				0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.05, 0.1	2	1	1	0.1	0.5	0.1
Analysis Method				ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Calc	Titr	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Grav	Calc	ICPOES-HNO3	ICPOES-4Acid	ICPOES-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid
GS-08-252B	7740259	Felsic volcanic	GSNL	66.60	18.55	1.76	0.78	0.88	0.36	1.29	10.58	0.19	0.219	0.070	0.005	1.11	100.74	-0.1	4	154	157	11.5	-99	1.9
GS-08-253	7740199	Felsic volcanic	GSNL	75.59	11.62	2.26	1.08	1.05	0.11	0.33	3.37	4.85	0.200	0.023	0.008	0.38	98.74	-0.1	3	256	260	4.4	-99	-0.1
GS-08-256	7740201	Felsic volcanic	GSNL	82.81	8.75	0.89	0.41	0.44	0.17	0.15	5.10	0.16	0.069	0.018	0.019	0.38	98.53	-0.1	-2	32	38	1.5	-99	0.1
GS-08-263	7740202	Metagabbro	GSNL	50.55	12.92	16.63	3.37	11.94	5.20	8.31	2.93	0.31	1.298	0.248	0.101	0.44	98.94	-0.1	3	73	68	-0.1	-0.5	0.7
GS-08-282	7740203	Felsic volcanic	GSNL	73.64	11.04	3.54	3.08	0.41	0.10	0.98	7.77	0.08	0.221	0.082	0.036	0.62	98.11	-0.1	7	569	516	7.8	-99	-0.1
GS-08-288	7740204	Felsic volcanic	GSNL	74.69	12.78	1.92	1.34	0.52	0.14	0.32	4.14	4.66	0.216	0.031	0.024	0.13	99.05	-0.1	4	358	349	3.7	-99	-0.1
GS-08-302	7740205	Gabbro	GSNL	42.61	13.80	17.98	4.79	11.87	6.06	8.35	2.19	0.65	3.440	0.237	0.697	3.19	99.19	-0.1	2	255	254	0.4	-99	0.5
GS-08-304	7740206	Gabbro	GSNL	41.60	12.45	19.71	5.98	12.37	5.11	5.99	2.34	0.52	4.311	0.205	0.993	6.76	100.01	-0.1	3	273	282	1.1	-99	0.5
GS-08-305	7740207	Gabbro	GSNL	45.77	16.53	12.27	3.78	7.64	7.00	7.53	2.97	1.55	0.983	0.172	0.187	3.39	98.38	-0.1	3	598	602	0.2	-99	-0.1
GS-08-322	7740208	Basalt	GSNL	48.88	12.58	15.78	3.50	11.05	6.24	9.60	2.28	0.68	1.309	0.264	0.101	1.19	98.90	-0.1	-2	168	173	0.3	-99	0.6
GS-09-009	7740261	Granodiorite	GSNL	70.26	14.96	0.79	-99	-99	0.74	2.46	7.97	0.29	0.198	0.023	0.053	2.57	100.32	-0.1	3	199	201	1.1	-99	-0.1
GS-09-010	7740262	Granodiorite	GSNL	70.20	15.59	2.03	0.05	1.78	1.69	0.71	7.15	0.71	0.477	0.021	0.117	1.66	100.36	-0.1	2	345	346	1.2	-99	-0.1
GS-09-011	7740263	Mafic dyke	GSNL	38.00	13.54	10.77	1.53	8.31	8.67	12.10	2.87	0.04	0.664	0.231	0.041	13.99	100.90	-0.1	3	19	32	0.8	-99	0.5
GS-09-013	7740307	Granodiorite	GSNL	56.90	16.91	1.39	0.45	0.85	1.81	6.52	9.13	0.18	0.159	0.047	0.046	6.41	99.52	-0.1	4	97	103	1.0	-99	-0.1
GS-09-014	7740308	Granodiorite	GSNL	70.63	14.24	0.81	0.04	0.69	1.46	1.97	7.30	0.39	0.178	0.020	0.058	2.59	99.64	-0.1	3	247	254	1.1	-99	-0.1
GS-09-015	7740229	Mafic dyke	GSNL	48.34	15.03	12.55	2.58	8.97	8.34	7.66	3.53	1.01	0.774	0.211	0.051	2.29	99.78	-0.1	3	287	264	0.2	-99	0.5
GS-09-019	7740231	Mafic dyke	GSNL	40.27	14.82	18.31	8.47	8.85	6.96	5.08	2.99	1.21	4.158	0.212	1.208	5.26	100.47	-0.1	3	591	532	1.0	-99	0.3
GS-09-020	7740264	Gneiss	GSNL	75.75	13.41	0.64	0.07	0.51	0.40	1.23	6.77	0.94	0.079	0.018	0.008	1.34	100.59	-0.1	3	516	515	0.4	-0.5	-0.1
GS-09-022	7740265	Granodiorite	GSNL	72.89	14.95	0.58	-99	-99	0.43	1.65	6.13	2.57	0.088	0.016	0.013	1.61	100.93	-0.1	3	917	876	0.8	-99	-0.1
GS-09-023	7740266	Gneiss	GSNL	70.72	13.80	1.84	0.31	1.38	1.19	1.73	5.84	1.68	0.551	0.035	0.147	1.16	98.71	-0.1	4	736	720	0.6	-0.5	-0.1
GS-09-024	7740267	Granodiorite	GSNL	70.84	14.43	0.77	-99	-99	0.68	2.23	7.63	0.28	0.154	0.024	0.048	2.32	99.39	-0.1	3	232	240	1.2	-99	-0.1
GS-09-028	7740232	Granodiorite	GSNL	66.04	14.41	1.94	0.53	1.27	0.92	4.05	6.10	1.88	0.280	0.041	0.067	3.94	99.66	0.1	3	464	446	0.6	-99	-0.1
GS-09-035	7740268	Granodiorite	GSNL	66.38	15.34	3.10	1.28	1.64	1.72	1.61	5.90	1.99	0.464	0.035	0.118	2.58	99.23	-0.1	3	414	412	1.3	-99	-0.1
GS-09-036	7740269	Granodiorite	GSNL	73.62	14.22	1.10	0.19	0.82	0.59	0.97	6.56	1.07	0.104	0.015	0.030	1.39	99.66	-0.1	3	493	489	0.7	-99	-0.1
GS-09-037	7740233	Granite	GSNL	73.87	14.61	0.53	0.01	0.48	0.16	1.01	6.15	2.54	0.031	0.009	0.013	1.18	100.12	-0.1	3	934	917	0.6	-99	-0.1
GS-09-041	7740271	Granodiorite	GSNL	70.02	15.11	1.66	0.37	1.16	0.96	1.51	6.68	0.98	0.358	0.026	0.115	2.16	99.57	-0.1	-2	610	189	0.4	-99	-0.1
GS-09-056	7740234	Granodiorite	GSNL	58.65	17.09	4.76	2.46	2.07	2.54	3.78	7.82	0.42	0.707	0.079	0.247	4.30	100.40	-0.1	4	297	291	1.4	-99	0.1
GS-09-064	7740235	Granodiorite	GSNL	62.53	16.56	5.04	2.62	2.18	2.91	2.05	5.76	1.13	0.629	0.075	0.234	1.89	98.81	-0.1	3	297	321	0.8	-99	-0.1
GS-09-066	7740236	Granodiorite	GSNL	46.42	16.70	13.31	9.27	3.64	8.52	4.18	3.23	1.69	1.474	0.180	0.123	2.41	98.24	-0.1	4	571	295	0.9	-99	-0.1
GS-09-067	7740237	Mafic dyke	GSNL	45.73	16.38	12.56	1.31	10.13	8.10	4.12	3.04	1.62	1.423	0.182	0.122	5.00	98.28	-0.1	3	539	532	14.1	-99	0.3
GS-09-068	7740238	Mafic dyke	GSNL	46.19	16.71	12.57	2.46	9.10	7.98	3.28	3.86	0.96	1.338	0.154	0.107	6.01	99.17	-0.1	3	293	289	1.0	-99	0.3
GS-09-069	7740272	Granodiorite	GSNL	68.19	12.62	5.97	4.41	1.40	1.17	2.20	6.56	0.16	0.400	0.024	1.174	1.48	99.95	-0.1	4	78	84	0.7	-99	0.1
GS-09-073	7740239	Granodiorite	GSNL	61.73	16.64	5.20	1.22	3.58	3.14	2.25	5.35	1.11	0.662	0.073	0.279	2.68	99.09	-0.1	4	273	275	0.7	-99	-0.1
GS-09-075	7740273	Pegmatite	GSNL	67.40	19.88	0.10	-99	-99	0.19	0.57	11.15	0.25	0.045	0.005	0.008	0.88	100.49	-0.1	3	49	56	1.1	-99	-0.1
GS-09-077	7740274	Mafic dyke	GSNL	45.69	16.24	12.88	3.53	8.42	7.24	8.82	3.31	0.55	1.715	0.179	0.451	2.16	99.24	-0.1	7	274	271	-0.1	-99	0.4
GS-09-079	7740275	Intermed. volcanic	GSNL	68.12	14.75	2.92	0.95	1.77	0.96	0.45	4.82	4.78	0.299	0.017	0.089	0.87	98.08	-0.1	3	3247	2805	1.2	-99	-0.1
GS-09-080	7740241	Mafic dyke	GSNL	45.85	14.41	14.66	4.85	8.83	6.47	8.96	4.07	1.10	2.217	0.200	0.584	2.31	100.82	-0.1	4	826	768	6.9	-99	0.2
GS-09-084	7740242	Mafic dyke	GSNL	44.88	15.33	15.61	5.14	9.42	6.43	8.87	3.21	1.06	2.362	0.308	0.636	0.89	99.59	-0.1	4	844	807	-0.1	-99	0.3
GS-09-087	7740276	Intermed. volcanic	GSNL	67.31	14.91	2.75	2.10	0.58	1.02	2.07	8.87	0.05	0.378	0.054	0.112	1.29	98.81	0.1	4	467	468	1.7	-99	-0.1
GS-09-088	7740277	Intermed. volcanic	GSNL	64.26	15.64	6.14	2.03	3.69	2.40	1.82	6.26	1.63	0.686	0.058	0.194	0.74	99.83	-0.1	4	919	874	1.6	-99	-0.1
GS-09-090	7740278	Intermed. volcanic	GSNL	62.18	15.66	6.44	2.02	3.97	2.63	1.76	6.57	1.89	0.652	0.075	0.169	0.95	98.98	-0.1	4	840	811	1.8	-99	-0.1
GS-09-091	7740243	Intermed. volcanic	GSNL	60.30	17.04	4.76	2.64	1.91	1.53	2.82	9.20	0.24	0.462	0.067	0.128	1.72	98.27	0.1	5	1022	980	11.4	-99	-0.1
GS-09-092	7740244	Diorite	GSNL	52.47	14.65	8.96	3.06	5.31	6.02	8.18	3.46	1.81	0.707	0.147	0.208	1.71	98.32	-0.1	5	892	843	1.3	-99	-0.1
GS-09-094	7740245	Intermed. volcanic	GSNL	57.04	15.58	8.06	3.85	3.79	2.68	3.62	7.14	1.69	0.712	0.171	0.182	2.71	99.59	-0.1	4	774	743	1.3	-99	-0.1
GS-09-095	7740246	Intermed. volcanic	GSNL	66.54	15.29	4.06	3.44	0.56	0.72	1.72	8.48	0.13	0.676	0.066	0.154	1.31	99.15	-0.1	7	1022	985	2.5	-99	-0.1
GS-09-098	7740279	Felsic volcanic	GSNL	74.61	11.48	1.71	1.38	0.30	0.63	0.37	1.67	7.78	0.101	0.047	0.022	0.59	99.01	-0.1	6	131	139	1.7	-99	-0.1
GS-09-099	7740281	Intermed. volcanic	GSNL	49.02	15.36	6.91	5.29	1.46	3.59	7.78	7.55	0.84	0.812	0.206	0.209	7.33	99.61	0.5	6	624	601	6.6	-99	-0.1
GS-09-100	7740282	Felsic volcanic	GSNL	75.83	13.02	1.85	1.49	0.33	0.24	0.55	7.71	0.04	0.209	0.023	0.035	0.68	100.19	-0.1	7	794	779	6.9	-99	-0.1
GS-09-101	7740247	Porph. dyke	GSNL	72.39	12.78	4.80	4.19	0.55	0.42	0.72	7.15	0.06	0.467	0.048	0.082	0.60	99.51	-0.1	6	1617	1474	7.4	-99	-0.1
GS-09-111	7740283	Fe-carb./hem. alt.	GSNL	42.55	12.14	9.57	0.79	7.91	5.46	8.60	5.21	0.20	0.617	0.140	0.049	14.10	98.64	-0.1	4	34	42	0.8	-99	0.4
GS-09-112	7740284	Argillite	GSNL	61.44	4.56	19.75	9.17	9.52	1.24	0.74	0.10	0.62	0.308	0.077	0.056	9.48	98.36	0.7	16	48	50	0.8	-99	1.3
GS-09-114	7740285	Mafic dyke	GSNL	47.86	12.66	22.23	1.91	18.29	4.53	1.48	0.65	0.46	2.602	0.132	0.281	5.08	97.98	-0.1	18	169	168	0.5	-99	0.7
GS-09-118	7740248	Mafic dyke	GSNL	42.78	12.97	19.93	5.88	12.65	4.98	5.26	2.51	0.56	4.523	0.211	1.054	6.12	100.91	-0.1	6	330	325	0.8	-99	0.4
GS-09-127	7740286	Felsic volcanic	GSNL	75.01	12.85	0.94	0.68	0.24	0.20	0.27	3.27	5.41	0.210	0.023	0.014	0.89	99.09	-0.1	9	65	73	3.6	-99	-0.1
GS-09-128	7740249	Mafic dyke	GSNL	41.81	7.58	8.69	2.12	5.91	19.24	6.55	0.10	0.96	0.486	0.206	0.217	10.50	96.34	-0.1	5	266	266	1.4	-99	0.1
GS-09-129	7740251	Mafic dyke	GSNL	43.42	12.85	8.89	2.05	6.16	7.89	8.59	0.54	2.65	0.824	0.196	0.198	10.92	96.98	-0.1	8	131	128	1.1	-99	0.4
GS-09-134	7740287	Felsic volcanic	GSNL	76.31	12.41	0.87	0.65	0.20	0.09	0.71	4.32	4.35	0.201	0.037	0.010	1.03	100.36	-0.1	10	40	44	2.2	-99	-0.1
GS-09-137	7740288	Felsic volcanic	GSNL	46.44	13.94	11.41	0.89	9.47	12.49	3.72	1.81	0.02	0.881	0.127	0.064	8.26	99.16	-0.1	11	5	15	0.3	-99	0.5

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total	Ag	As	Ba	Ba	Be	Bi	Cd
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit				0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.05, 0.1	2	1	1	0.1	0.5	0.1
Analysis Method				ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Calc	Titr	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Grav	Calc	ICPOES-HNO3	ICPOES-4Acid	ICPOES-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid
GS-09-148	7740252	Basalt	GSNL	47.62	13.90	11.64	1.21	9.39	8.05	10.12	3.17	0.37	0.720	0.234	0.042	3.06	98.93	-0.1	16	85	92	-0.1	-99	0.5
GS-09-150	7740289	Tonalite	GSNL	67.68	15.25	2.16	-99	-99	1.06	3.05	4.88	1.51	0.318	0.028	0.089	3.81	99.82	-0.1	3	521	508	0.7	-99	-0.1
GS-09-151	7740291	Dolostone	GSNL	39.36	4.09	3.80	-99	-99	5.27	22.41	0.10	1.05	0.107	0.263	0.207	23.81	100.47	2.0	55	122	126	0.7	-99	1.6
GS-09-152	7740292	Dolostone	GSNL	27.17	2.91	2.16	-99	-99	12.78	21.05	0.11	0.92	0.115	0.156	0.049	30.79	98.21	0.3	4	159	161	0.8	-99	0.1
GS-09-155	7740293	Dolostone	GSNL	12.54	2.37	0.83	-99	-99	16.73	26.96	-0.01	0.68	0.086	0.101	0.342	39.42	100.08	-0.1	8	118	124	0.9	-99	0.1
GS-09-157	7740294	Dolostone	GSNL	10.45	1.86	2.08	-99	-99	15.29	28.95	0.02	0.50	0.059	0.303	2.974	36.50	99.00	-0.1	22	100	109	1.1	-99	0.2
GS-09-158	7740295	Tonalite	GSNL	56.68	10.79	2.64	-99	-99	3.83	7.64	3.26	1.64	0.289	0.131	0.123	11.31	98.34	0.1	23	251	254	0.8	-99	-0.1
GS-09-159	7740296	Dolostone	GSNL	11.46	2.37	3.13	-99	-99	13.51	28.96	0.01	0.59	0.087	0.535	1.126	37.52	99.30	0.6	24	120	125	0.7	-99	1.3
GS-09-164	7740297	Mafic dyke	GSNL	47.98	11.31	19.29	2.34	15.26	1.67	6.34	2.72	0.03	2.496	0.251	0.322	6.41	98.82	-0.1	-2	5	14	0.3	-99	0.5
GS-09-165	7740298	Argillite	GSNL	46.38	4.75	26.29	-99	-99	2.44	5.44	-0.01	-0.01	0.330	0.227	0.388	12.04	98.28	1.6	571	-1	4	0.4	-99	2.1
GS-09-167	7740253	Basalt	GSNL	46.71	13.02	15.65	2.02	12.27	4.28	6.13	3.48	0.23	2.763	0.203	0.302	5.92	98.69	-0.1	12	106	112	-0.1	-99	0.5
GS-09-172	7740254	Gabbro	GSNL	45.24	11.84	19.24	3.94	13.78	4.73	8.13	2.49	1.11	4.109	0.268	1.148	2.09	100.40	-0.1	4	730	698	0.3	-99	0.4
GS-09-177	7740299	Mafic tuff	GSNL	40.13	13.54	12.65	5.61	6.34	5.20	11.40	4.25	3.44	0.964	0.235	0.062	8.10	99.98	-0.1	7	113	116	4.9	-0.5	0.6
GS-09-185	7740255	Basalt	GSNL	50.20	14.26	11.64	1.09	9.50	8.66	10.62	2.59	0.33	0.861	0.255	0.053	0.65	100.13	-0.1	11	69	69	0.5	-0.5	0.5
GS-09-188	7740256	Diorite	GSNL	54.02	18.24	7.87	2.31	5.00	4.01	6.61	3.70	2.48	0.579	0.108	0.151	2.87	100.65	-0.1	4	530	508	1.0	-99	-0.1
GS-09-189	7740257	QFP	GSNL	77.80	8.69	1.55	0.20	1.21	0.87	1.40	1.05	6.23	0.191	0.055	0.035	0.86	98.72	1.2	4	216	237	1.2	-0.5	-0.1
GS-09-193	7740301	Felsic tuff	GSNL	66.94	14.86	2.85	2.34	0.46	1.30	2.67	7.00	2.97	0.493	0.058	0.056	0.38	99.58	-0.1	15	1029	991	1.8	-99	-0.1
GS-09-194	7740258	Felsic tuff	GSNL	63.07	14.89	5.01	3.61	1.26	3.17	4.33	8.64	0.13	0.529	0.091	0.174	0.59	100.61	-0.1	18	58	68	3.0	-99	0.3
GS-09-197	7740302	Mafic tuff	GSNL	51.46	11.76	10.14	4.67	4.93	5.77	13.62	3.93	1.00	1.079	0.204	0.093	1.01	100.06	-0.1	5	107	110	2.8	-99	0.7
GS-09-199	7740303	Mafic tuff	GSNL	50.75	14.27	13.26	5.20	7.26	6.34	7.36	4.41	1.65	1.361	0.187	0.121	0.79	100.50	0.4	4	193	194	2.3	-99	0.5
GS-09-200	7740304	Mafic tuff	GSNL	47.69	10.49	11.13	5.79	4.80	6.72	17.23	2.47	0.34	1.058	0.216	0.087	1.08	98.52	-0.1	4	81	76	17.0	-99	0.6
GS-09-201	7740305	QFP	GSNL	74.63	9.61	1.38	0.88	0.45	0.81	2.01	1.38	6.12	0.202	0.032	0.044	2.03	98.24	0.3	7	773	767	0.8	-0.5	-0.1
GS-09-222	7740306	Mafic dyke	GSNL	57.08	15.13	9.52	4.53	4.49	1.37	3.93	5.02	0.78	1.077	0.075	0.070	4.68	98.71	-0.1	3	260	261	-0.1	-99	0.3
GS-14-001	7740903	Gneiss	GSNL	68.74	15.57	2.40	1.07	1.20	1.11	2.98	4.85	1.87	0.152	0.050	0.044	1.48	99.25	-0.05	-2	749	-99	0.7	-0.5	-99
GS-14-002	7740904	Mafic dyke	GSNL	48.60	15.87	12.29	3.42	7.98	7.52	7.86	2.06	1.09	1.025	0.216	0.085	3.03	99.63	-0.05	-2	297	-99	0.5	-0.5	-99
GS-14-006	7740905	Pegmatite	GSNL	71.54	14.83	0.64	0.24	0.36	0.13	0.79	4.31	6.00	0.042	0.009	0.014	0.77	99.07	-0.05	-2	2540	-99	0.3	-0.5	-99
GS-14-007	7740906	Granodiorite	GSNL	66.49	16.18	3.73	1.51	2.00	1.29	2.25	5.48	1.54	0.668	0.045	0.176	-99	97.85	-0.05	2	514	-99	0.9	-0.5	-99
GS-14-011	7740907	Mafic dyke	GSNL	39.48	14.55	18.19	9.07	8.21	6.36	5.81	3.56	0.26	4.176	0.222	1.333	5.23	97.70	-0.05	3	149	-99	2.3	-0.5	-99
GS-14-019	7740908	Granodiorite	GSNL	48.90	19.69	8.67	3.85	4.34	2.93	4.35	3.84	3.48	0.837	0.138	0.360	5.70	97.70	-0.05	-2	535	-99	1.6	-0.5	-99
GS-14-020	7740909	Granite	GSNL	63.85	17.23	3.43	2.83	0.54	0.31	1.39	5.43	4.32	0.130	0.022	0.082	1.89	97.70	-0.05	2	879	-99	2.0	-0.5	-99
GS-14-033	7740911	Mafic dyke	GSNL	40.93	15.27	17.98	6.96	9.92	7.82	4.76	0.18	3.21	2.457	0.220	1.139	6.30	97.70	-0.05	2	1176	-99	1.4	-0.5	-99
GS-14-035	7740912	Granodiorite	GSNL	55.08	16.60	7.64	2.38	4.74	5.48	4.18	3.45	2.69	0.748	0.166	0.187	3.91	97.70	-0.05	19	662	-99	0.9	-0.5	-99
GS-14-038	7740913	Mafic dyke	GSNL	28.01	15.25	19.91	6.55	12.02	8.75	10.03	0.06	2.26	2.841	0.276	1.259	11.69	97.70	-0.05	-2	691	-99	1.2	-0.5	-99
GS-14-039	7740914	Gneiss	GSNL	72.27	14.70	0.91	0.07	0.75	0.41	0.99	5.79	2.33	0.086	0.020	0.030	0.74	97.70	-0.05	-2	533	-99	0.7	-0.5	-99
GS-14-040	7740915	Granodiorite	GSNL	73.95	14.18	1.17	0.69	0.43	0.35	0.57	5.17	3.69	0.064	0.018	0.021	0.77	97.70	-0.05	-2	909	-99	0.5	-0.5	-99
GS-14-043	7740917	Mafic dyke	GSNL	52.28	14.53	8.27	1.78	5.85	4.75	7.03	2.86	2.07	0.795	0.128	0.241	5.20	97.70	-0.05	2	622	-99	1.4	-0.5	-99
GS-14-049	7740918	Basalt	GSNL	47.07	13.96	12.57	1.66	9.82	7.83	6.20	3.00	0.33	0.798	0.158	0.058	8.33	97.70	-0.05	4	24	-99	0.2	-0.5	-99
GS-14-054	7740919	Basalt	GSNL	43.78	12.75	11.52	0.78	9.66	6.99	7.12	3.27	0.48	0.793	0.174	0.058	12.88	97.70	0.09	-2	41	-99	0.5	-0.5	-99
GS-14-057	7741001	Breccia	GSNL	30.58	8.65	11.47	3.94	6.78	6.89	14.05	4.67	0.20	0.787	0.229	0.111	21.53	97.70	0.15	3	23	-99	0.7	-0.5	-99
GS-14-060	7740921	Conglomerate	GSNL	70.47	13.94	3.72	2.96	0.68	0.55	0.53	5.51	1.67	0.396	0.012	0.063	1.61	97.70	-0.05	4	771	-99	1.6	-0.5	-99
GS-14-063	7740922	Basalt	GSNL	44.98	11.88	14.69	1.15	12.19	4.52	7.09	1.86	1.12	1.772	0.236	0.167	11.81	97.70	0.09	17	276	-99	1.0	-0.5	-99
GS-14-064	7740923	Gabbro	GSNL	46.51	15.46	11.44	1.27	9.15	2.60	7.26	4.94	0.79	2.547	0.198	0.586	7.40	97.70	-0.05	4	748	-99	4.6	-0.5	-99
GS-14-065	7741002	Breccia	GSNL	29.84	7.17	12.04	0.92	10.01	7.62	15.31	2.74	0.13	1.066	0.284	0.199	22.98	97.70	0.50	8	17	-99	0.5	-0.5	-99
GS-14-067	7740924	Mafic dyke	GSNL	37.69	10.11	10.67	0.97	8.73	11.14	10.35	0.07	1.24	0.526	0.191	0.086	18.84	97.70	-0.05	-2	112	-99	1.0	-0.5	-99
GS-14-076	7740925	Basalt	GSNL	44.21	12.15	10.97	1.12	8.87	7.62	10.28	2.44	0.03	0.722	0.184	0.051	11.35	97.70	-0.05	-2	20	-99	0.2	-0.5	-99
GS-14-077	7740926	Gabbro	GSNL	43.75	14.10	15.30	3.58	10.55	5.30	7.34	3.49	1.75	2.056	0.254	1.037	4.33	97.70	-0.05	2	1055	-99	0.6	-0.5	-99
GS-14-078	7740927	Basalt	GSNL	46.41	11.34	17.77	1.06	15.04	7.82	8.88	2.29	0.18	1.324	0.251	0.099	-99	96.37	-0.05	2	30	-99	0.3	-0.5	-99
GS-14-088	7740928	Gabbro	GSNL	44.62	15.08	17.58	6.63	9.86	5.61	6.26	3.70	1.82	2.303	0.235	1.046	2.64	97.70	-0.05	3	1390	-99	0.7	-0.5	-99
GS-14-090	7740929	Mafic dyke	GSNL	46.84	14.38	11.78	1.82	8.97	7.58	14.69	1.16	-0.01	0.837	0.203	0.062	3.07	97.70	-0.05	-2	13	-99	0.2	-0.5	-99
GS-14-091	7740931	Gabbro	GSNL	48.63	15.62	12.11	2.42	8.72	6.97	8.36	3.10	1.00	1.195	0.198	0.251	3.16	97.70	-0.05	-2	536	-99	0.4	-0.5	-99
GS-14-092	7740932	Granodiorite	GSNL	69.62	15.28	1.62	0.47	1.03	0.88	1.12	7.57	0.62	0.144	0.028	0.035	1.58	97.70	-0.05	-2	170	-99	0.8	-0.5	-99
GS-14-094	7740933	Granodiorite	GSNL	68.99	15.69	3.16	0.59	2.31	1.92	0.44	7.14	0.61	0.271	0.042	0.076	1.51	97.70	-0.05	-2	163	-99	0.8	-0.5	-99
GS-14-095	7740934	Granodiorite	GSNL	69.38	15.71	2.28	0.77	1.36	1.23	0.80	8.30	0.43	0.391	0.035	0.114	1.09	97.70	-0.05	2	173	-99	0.9	-0.5	-99
GS-14-096	7740935	Mafic dyke	GSNL	42.49	15.73	12.17	5.79	5.75	6.12	14.70	0.15	0.07	0.950	0.220	0.065	7.40	97.70	-0.05	-2	16	-99	0.7	1.0	-99
GS-14-097	7740936	Mafic dyke	GSNL	47.01	15.59	13.53	2.57	9.86	8.49	3.19	3.59	0.32	1.442	0.227	0.108	6.40	97.70	-0.05	-2	169	-99	1.3	-0.5	-99
GS-14-099	7740937	Mafic dyke	GSNL	41.49	4.92	13.82	3.96	8.87	13.26	15.71	0.33	0.11	0.538	0.304	0.054	8.56	97.70	-0.05	-2	11	-99	1.0	-0.5	-99
GS-14-101	7740938	Granodiorite	GSNL	69.21	14.29	2.13	0.63	1.35	1.16	2.50	6.84	0.49	0.307	0.032	0.087	2.35	97.70	-0.05	2	280	-99	0.9	-0.5	-99
GS-14-105	7740939	Mafic dyke	GSNL	31.46	18.73	18.08	6.30	10.61	8.28	5.73	0.15	2.56	4.275	0.152	1.387	8.79	97.70	-0.05	2	458	-99	1.0	-0.5	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total	Ag	As	Ba	Ba	Be	Bi	Cd
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit				0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.05, 0.1	2	1	1	0.1	0.5	0.1
Analysis Method				ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Calc	Titr	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Grav	Calc	ICPOES-HNO3	ICPOES-4Acid	ICPOES-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid
GS-14-106	7740941	Granodiorite	GSNL	63.00	16.35	4.80	0.82	3.59	2.36	2.53	5.94	1.08	0.537	0.053	0.156	3.10	97.70	-0.05	2	262	-99	0.9	-0.5	-99
GS-14-107	7740942	Mafic dyke	GSNL	47.03	14.30	12.19	1.70	9.44	5.52	7.52	3.29	0.47	1.190	0.163	0.107	8.36	97.70	-0.05	-2	138	-99	0.6	-0.5	-99
GS-14-109	7740943	Basalt	GSNL	46.02	13.96	11.40	0.63	9.69	8.82	6.02	2.33	0.46	0.801	0.145	0.059	9.41	97.70	-0.05	-2	45	-99	1.0	-0.5	-99
GS-14-112	7740944	Granodiorite	GSNL	60.52	15.50	3.49	1.81	1.51	2.12	4.61	8.15	0.17	0.338	0.051	1.001	3.30	97.70	-0.05	3	61	-99	1.0	-0.5	-99
GS-14-113	7740945	Breccia	GSNL	30.35	8.43	12.92	5.06	7.07	7.07	14.75	4.03	0.40	0.637	0.213	0.077	21.92	97.70	0.89	2	34	-99	1.1	-0.5	-99
GS-14-114	7740946	Breccia	GSNL	27.82	8.11	11.61	4.73	6.19	8.18	15.78	4.71	0.04	0.396	0.239	0.034	24.08	97.70	0.07	3	13	-99	0.7	-0.5	-99
GS-14-115	7740947	Breccia	GSNL	40.85	12.71	10.85	3.99	6.17	5.51	11.70	5.21	0.29	0.827	0.186	0.061	-99	88.19	0.52	4	164	-99	1.7	-0.5	-99
GS-14-116	7740948	Mafic dyke	GSNL	43.77	14.67	16.98	6.30	9.61	5.39	7.05	3.04	1.24	2.242	0.232	1.060	3.85	97.70	-0.05	3	1339	-99	0.6	-0.5	-99
GS-14-118	7740949	Fe-carb./hem. alt.	GSNL	37.83	10.85	8.58	5.47	2.80	5.80	11.67	6.47	0.04	0.602	0.141	0.053	16.96	97.70	0.60	5	22	-99	0.8	-0.5	-99
GS-14-120	7740951	Breccia	GSNL	36.61	10.74	11.40	4.34	6.35	5.17	11.83	6.19	0.02	0.835	0.183	0.087	17.44	97.70	0.12	3	24	-99	0.7	-0.5	-99
GS-14-128	7740952	Basalt	GSNL	43.34	12.36	11.15	0.89	9.23	6.82	10.40	2.74	0.03	0.716	0.167	0.051	11.83	97.70	-0.05	-2	11	-99	0.3	-0.5	-99
GS-14-129	7740953	Gabbro	GSNL	55.38	15.71	8.01	1.71	5.67	6.54	6.56	3.71	2.60	0.744	0.118	0.325	0.75	97.70	-0.05	2	794	-99	1.0	-0.5	-99
GS-14-130	7740954	Granite	GSNL	68.75	14.93	2.54	0.33	1.99	0.56	2.17	4.28	3.36	0.234	0.024	0.098	2.30	97.70	-0.05	3	757	-99	1.4	-0.5	-99
GS-14-131	7740955	Diorite	GSNL	52.21	12.71	7.98	1.93	5.44	11.77	5.80	3.10	2.88	0.590	0.124	0.292	0.92	97.70	-0.05	2	747	-99	1.1	-0.5	-99
GS-14-132	7740956	Gabbro	GSNL	41.73	5.08	9.56	4.89	4.20	29.51	4.21	0.76	0.97	0.249	0.159	0.139	7.08	97.70	-0.05	-2	325	-99	0.4	-0.5	-99
GS-14-135	7740957	Gabbro	GSNL	48.31	9.46	9.22	1.56	6.89	16.98	7.27	1.83	1.03	0.467	0.175	0.166	4.08	97.70	-0.05	17	428	-99	0.8	-0.5	-99
GS-14-142	7740958	Basalt	GSNL	45.81	14.09	12.12	0.65	10.32	9.43	4.87	2.69	0.04	0.889	0.168	0.061	8.31	97.70	-0.05	40	43	-99	0.4	-0.5	-99
GS-14-160	7740963	Sandstone	GSNL	69.43	12.99	2.08	1.13	0.86	0.77	3.35	7.51	0.05	0.235	0.066	0.071	3.29	97.70	-0.05	2	265	-99	0.7	-0.5	-99
GS-14-161	7741003	Sandstone	GSNL	72.92	11.07	2.01	0.47	1.39	0.95	3.12	0.40	4.68	0.299	0.047	0.061	2.58	97.70	-0.05	6	1070	-99	1.3	-0.5	-99
GS-14-169	7740964	Granite	GSNL	67.26	15.31	2.68	0.78	1.71	0.60	1.25	4.52	4.82	0.291	0.053	0.110	1.47	97.70	-0.05	-2	765	-99	3.0	-0.5	-99
GS-14-170	7740965	Granite	GSNL	67.66	16.05	3.09	1.47	1.46	0.60	0.69	4.60	5.17	0.403	0.050	0.142	1.61	97.70	-0.05	-2	927	-99	3.2	-0.5	-99
GS-14-171	7740966	Granodiorite	GSNL	69.63	14.43	3.21	0.56	2.38	1.32	2.35	3.71	2.26	0.519	0.041	0.164	3.36	97.70	-0.05	-2	460	-99	0.7	-0.5	-99
GS-14-172	7740967	Semipelite	GSNL	68.27	13.23	2.23	1.19	0.93	0.51	1.25	0.77	10.76	0.208	0.040	0.047	1.01	97.70	-0.05	6	803	-99	1.1	-0.5	-99
GS-14-173	7740968	Amphibolite	GSNL	51.25	13.17	13.87	2.68	10.07	5.80	8.96	3.51	0.65	1.227	0.208	0.111	0.63	97.70	0.25	14	186	-99	0.8	-0.5	-99
GS-14-174	7740969	QFP	GSNL	71.37	15.01	1.41	0.65	0.68	0.19	0.81	5.12	5.17	0.140	0.038	0.033	0.62	97.70	-0.05	-2	2147	-99	1.7	-0.5	-99
GS-14-176	7740971	Semipelite	GSNL	61.64	9.18	11.12	3.37	6.98	2.82	6.16	6.29	0.08	1.129	0.117	0.219	GOI	97.70	-0.05	-2	10	-99	1.7	-0.5	-99
GS-14-177	7740972	Amphibolite	GSNL	48.26	14.19	11.03	2.00	8.12	9.31	10.94	2.59	1.28	0.719	0.187	0.047	0.52	97.70	0.05	-2	43	-99	0.5	-0.5	-99
GS-14-180	7740973	Felsic dyke	GSNL	75.25	13.55	1.10	0.45	0.59	0.19	0.30	2.07	4.94	0.115	0.027	0.011	1.15	97.70	-0.05	-2	613	-99	3.2	-0.5	-99
GS-14-181	7740974	Basalt	GSNL	47.99	14.15	12.37	1.92	9.41	9.03	7.91	2.88	3.11	0.869	0.187	0.063	0.73	97.70	0.08	-2	99	-99	4.2	-0.5	-99
GS-14-182	7741004	Semipelite	GSNL	59.60	13.73	13.63	1.66	10.77	2.99	2.42	0.28	4.02	0.922	0.373	0.037	2.23	97.70	0.84	24	109	-99	2.7	-0.5	-99
GS-14-184	7740975	Granodiorite	GSNL	67.16	15.18	3.65	1.48	1.96	1.28	2.56	4.88	1.56	0.413	0.044	0.109	1.44	97.70	-0.05	-2	673	-99	0.6	-0.5	-99
GS-14-186	7740976	Granodiorite	GSNL	69.21	15.14	2.80	0.35	2.20	1.46	1.02	5.37	1.47	0.321	0.031	0.095	1.61	97.70	-0.05	-2	428	-99	1.4	-0.5	-99
GS-14-188	7740977	Siltstone	GSNL	69.07	13.58	4.22	0.79	3.08	1.70	1.28	3.10	3.11	0.489	0.029	0.081	2.34	97.70	0.11	-2	456	-99	1.1	-0.5	-99
GS-14-192	7740978	Granodiorite	GSNL	62.73	17.06	4.70	1.77	2.64	1.80	3.04	5.17	1.44	0.571	0.059	0.232	1.73	97.70	-0.05	-2	505	-99	1.0	-0.5	-99
GS-14-197	7740979	Intermed. volcanic	GSNL	51.02	11.70	8.66	1.83	6.15	13.04	6.90	2.13	2.21	0.580	0.144	0.144	3.51	97.70	-0.05	3	610	-99	0.9	-0.5	-99
GS-14-198	7740981	Intermed. volcanic	GSNL	49.71	12.86	8.57	4.28	3.86	12.14	7.47	2.92	1.79	0.553	0.141	0.183	3.48	97.70	-0.05	4	533	-99	0.9	-0.5	-99
GS-14-199	7740982	Felsic volcanic	GSNL	71.73	13.55	1.84	1.23	0.55	0.26	0.43	3.16	6.30	0.286	0.041	0.022	0.82	97.70	-0.05	4	576	-99	2.8	-0.5	-99
GS-14-200	7740983	Felsic volcanic	GSNL	74.45	12.57	1.28	0.83	0.41	0.14	0.64	3.94	4.71	0.179	0.032	0.015	0.65	97.70	-0.05	5	239	-99	3.5	-0.5	-99
GS-14-201	7740984	Felsic volcanic	GSNL	61.71	18.02	3.54	2.24	1.17	0.18	0.96	4.66	8.38	0.217	0.039	0.023	0.80	97.70	-0.05	4	525	-99	1.6	-0.5	-99
GS-14-203	7740985	Felsic volcanic	GSNL	74.59	12.66	1.24	0.89	0.32	0.11	0.61	3.83	4.99	0.181	0.032	0.014	0.37	97.70	-0.05	20	215	-99	3.3	-0.5	-99
GS-14-220	7740986	Intermed. volcanic	GSNL	72.66	12.55	3.63	2.15	1.33	0.26	0.76	6.86	1.12	0.363	0.042	0.054	0.30	97.70	-0.05	4	1669	-99	3.3	-0.5	-99
GS-14-227	7740987	Granodiorite	GSNL	69.22	14.79	2.36	0.96	1.26	0.82	2.20	6.26	2.37	0.332	0.037	0.114	0.51	97.70	-0.05	4	829	-99	1.9	-0.5	-99
GS-14-230	7740988	Complex dyke	GSNL	67.34	13.57	6.02	3.65	2.13	0.48	2.06	7.45	0.89	0.519	0.080	0.118	0.42	97.70	-0.05	9	674	-99	2.7	-0.5	-99
GS-14-232	7740989	Felsic volcanic	GSNL	73.20	12.23	3.38	2.16	1.10	0.15	1.14	7.23	0.24	0.274	0.046	0.033	0.63	97.70	-0.05	5	943	-99	2.6	-0.5	-99
GS-14-245	7740991	Basalt	GSNL	47.00	8.65	9.43	2.57	6.17	22.66	5.56	1.38	1.91	0.356	0.155	0.150	2.24	97.70	-0.05	2	400	-99	0.7	-0.5	-99
GS-14-246	7740992	Monzonite	GSNL	63.33	16.63	4.96	1.69	2.95	1.42	3.05	5.19	4.03	0.716	0.080	0.192	0.26	97.70	-0.05	3	1355	-99	1.8	-0.5	-99
GS-14-247	7740993	Basalt	GSNL	50.61	11.06	8.77	1.55	6.50	12.98	8.92	2.37	1.86	0.510	0.148	0.181	0.66	97.70	-0.05	-2	441	-99	0.9	-0.5	-99
GS-14-249	7740994	Felsic volcanic	GSNL	72.67	12.77	1.83	0.81	0.92	0.41	0.92	1.24	10.06	0.100	0.026	0.013	0.22	97.70	-0.05	8	688	-99	2.5	-0.5	-99
GS-14-252	7740995	Complex dyke	GSNL	69.01	12.90	5.39	3.09	2.07	0.38	2.02	4.07	4.49	0.497	0.074	0.103	0.28	97.70	-0.05	6	1222	-99	3.3	-0.5	-99
GS-15-015	7741017	QFP	GSNL	61.98	16.40	6.13	3.87	2.03	0.79	2.57	9.03	0.17	0.605	0.066	0.163	0.94	97.70	-0.1	5	993	-99	4.4	-0.5	-99
GS-15-016	7741018	QFP	GSNL	76.83	11.82	2.64	1.43	1.09	-0.01	0.19	6.98	0.12	0.183	0.010	0.023	0.15	97.70	-0.1	5	66	-99	4.3	-0.5	-99
GS-15-017	7741019	Intermed. volcanic	GSNL	59.82	16.15	6.59	3.86	2.46	1.98	2.57	8.57	0.97	0.705	0.101	0.172	1.77	97.70	0.3	5	364	-99	4.2	-0.5	-99
GS-15-018	7741021	QFP	GSNL	75.02	12.00	3.69	2.01	1.51	0.12	0.69	6.89	0.15	0.253	0.016	0.026	-99	97.70	-0.1	4	65	-99	3.2	-0.5	-99
GS-15-019	7741022	Hyaloclastite	GSNL	37.82	5.42	21.11	3.54	15.81	15.56	8.38	0.04	0.08	5.363	0.245	0.504	-99	97.70	0.1	10	32	-99	1.9	-0.5	-99
GS-15-020	7741023	Basalt	GSNL	44.17	12.57	10.33	1.28	8.14	6.37	9.80	3.60	0.08	0.766	0.151	0.055	-99	97.70	0.1	8	23	-99	0.3	-0.5	-99
GS-15-022	7741024	Mafic dyke	GSNL	44.24	12.20	9.60	1.10	7.65	9.02	8.60	2.76	0.25	0.610	0.142	0.112	-99	97.70	-0.1	2	79	-99	0.5	-0.5	-99
GS-15-027	7741025	Gabbro	GSNL	47.52	16.74	12.63	4.74	7.10	6.63	6.59	3.53	1.78	1.089	0.190	0.223	-99	97.70	-0.1	3	977	-99	0.4	-0.5	-99
GS-15-029	7741026	Gabbro	GSNL	44.61	14.49	16.96	6.38	9.53	5.80	5.20	4.18	1.31	2.398	0.255	1.015	-99	97.70	-0.1	3	980	-99	0.7	-0.5	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total	Ag	As	Ba	Ba	Be	Bi	Cd
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit				0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.05, 0.1	2	1	1	0.1	0.5	0.1
Analysis Method				ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Calc	Titr	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Grav	Calc	ICPOES-HNO3	ICPOES-4Acid	ICPOES-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid
GS-15-032	7741027	Mafic dyke	GSNL	40.50	16.06	8.65	1.99	6.00	10.48	6.37	0.93	2.09	0.745	0.093	0.052	-99	97.70	-0.1	-2	68	-99	0.9	-0.5	-99
GS-15-033	7741028	Basalt	GSNL	47.09	14.55	10.98	-99	-99	8.54	9.39	3.63	0.14	0.754	0.179	0.061	-99	97.70	-0.1	-2	36	-99	0.1	-0.5	-99
GS-15-034	7741029	Basalt	GSNL	42.77	12.89	11.45	3.41	7.24	5.74	9.70	4.53	0.12	0.697	0.192	0.060	-99	97.70	0.2	3	42	-99	0.9	-0.5	-99
GS-15-035	7741159	Basalt	GSNL	39.63	11.89	10.35	4.47	5.29	7.28	12.05	3.99	0.10	0.360	0.260	0.030	13.36	99.29	0.3	-2	34	-99	0.9	-0.5	-99
GS-15-039	7741031	Breccia	GSNL	35.73	10.23	11.73	9.62	1.90	6.84	10.54	5.99	0.08	0.501	0.242	0.083	-99	97.70	0.3	4	25	-99	0.9	-0.5	-99
GS-15-041	7741032	Gabbro	GSNL	48.98	16.24	9.51	1.30	7.39	7.20	4.75	4.86	1.03	0.883	0.148	0.242	-99	97.70	0.1	2	312	-99	0.8	-0.5	-99
GS-15-043	7741033	Basalt	GSNL	48.32	13.67	12.70	2.36	9.31	8.88	5.38	3.85	0.12	0.838	0.178	0.062	-99	97.70	-0.1	3	39	-99	0.3	-0.5	-99
GS-15-046	7741034	Hyaloclastite	GSNL	36.76	5.28	21.44	2.75	16.82	14.96	8.06	0.05	0.05	5.793	0.268	0.531	-99	97.70	0.2	-2	36	-99	2.0	-0.5	-99
GS-15-048	7741035	Gabbro	GSNL	44.03	4.32	12.84	5.50	6.60	25.04	9.12	0.76	0.80	0.503	0.177	0.094	-99	97.70	0.2	-2	240	-99	0.4	-0.5	-99
GS-15-049	7741036	Basalt	GSNL	47.58	14.19	15.58	1.51	12.67	7.58	5.11	4.09	0.70	1.028	0.257	0.074	-99	97.70	0.5	57	170	-99	2.0	-0.5	-99
GS-15-051	7741037	Breccia	GSNL	41.73	12.56	15.77	2.47	11.98	5.67	10.27	4.09	0.18	2.285	0.240	0.409	-99	97.70	-0.1	17	50	-99	2.2	-0.5	-99
GS-15-053	7741038	Hematite breccia	GSNL	39.60	14.98	21.72	3.00	16.85	5.92	2.91	2.71	0.30	3.230	0.482	0.480	-99	97.70	0.5	36	58	-99	1.6	-0.5	-99
GS-15-054	7741039	Hematite breccia	GSNL	30.38	8.69	10.25	7.74	2.26	8.81	13.56	5.10	0.08	0.447	0.213	0.080	-99	97.70	0.2	5	14	-99	0.8	-0.5	-99
GS-15-055	7741041	Hematite breccia	GSNL	30.06	8.74	10.25	7.73	2.27	9.22	13.85	5.12	0.08	0.447	0.220	0.081	-99	97.70	0.2	5	13	-99	0.8	-0.5	-99
GS-15-056	7741042	Hematite breccia	GSNL	40.23	11.80	18.87	15.25	3.25	3.81	6.45	6.74	0.19	0.580	0.151	0.045	-99	97.70	0.2	5	44	-99	1.5	-0.5	-99
GS-15-057	7741043	Basalt	GSNL	49.53	14.27	12.09	1.45	9.58	7.74	9.45	3.18	0.27	0.898	0.186	0.064	-99	97.70	0.1	2	60	-99	0.2	-0.5	-99
GS-15-061	7741044	Basalt	GSNL	54.38	16.31	7.57	1.77	5.22	3.43	11.76	1.73	2.73	0.544	0.190	0.126	-99	97.70	-0.1	3	600	-99	0.8	-0.5	-99
GS-15-062	7741045	Felsic volcanic	GSNL	70.81	14.82	2.31	0.36	1.76	1.32	2.98	5.19	1.05	0.348	0.092	0.093	-99	97.70	-0.1	3	243	-99	1.0	-0.5	-99
GS-15-063	7741046	Felsic volcanic	GSNL	73.89	12.12	1.96	0.75	1.09	-0.01	0.06	1.17	8.86	0.101	0.021	0.007	-99	97.70	-0.1	3	240	-99	1.4	-0.5	-99
GS-15-064	7741047	Granite	GSNL	76.19	12.61	1.25	-99	-99	0.08	0.51	4.11	4.35	0.084	0.038	0.007	-99	97.70	-0.1	-2	110	-99	6.6	-0.5	-99
GS-15-065	7741048	Porph. dyke	GSNL	68.84	12.11	7.29	4.31	2.68	0.12	0.71	2.53	6.47	0.454	0.043	0.048	-99	97.70	-0.1	4	1385	-99	1.2	-0.5	-99
GS-15-066	7741049	Mafic tuff	GSNL	52.84	16.16	6.39	0.93	4.92	3.16	12.85	3.61	1.11	0.554	0.174	0.138	-99	97.70	-0.1	3	416	-99	0.8	-0.5	-99
GS-15-068	7741051	Felsic volcanic	GSNL	70.34	13.01	4.27	2.17	1.89	0.36	1.05	5.26	3.63	0.445	0.054	0.074	-99	97.70	-0.1	3	1654	-99	1.3	-0.5	-99
GS-15-069	7741052	Felsic volcanic	GSNL	70.52	12.63	4.43	1.83	2.34	0.38	0.93	4.11	4.59	0.502	0.061	0.110	-99	97.70	-0.1	6	1545	-99	2.7	-0.5	-99
GS-15-070	7741053	Mafic dyke	GSNL	49.24	14.56	11.61	3.06	7.69	4.28	6.93	5.20	2.15	2.122	0.165	1.561	-99	97.70	-0.1	7	1323	-99	1.8	-0.5	-99
GS-15-072	7741055	Felsic volcanic	GSNL	71.29	12.57	4.09	1.98	1.90	0.28	0.50	3.86	5.23	0.475	0.055	0.107	-99	97.70	-0.1	4	1026	-99	1.6	-0.5	-99
GS-15-073	7741056	Felsic volcanic	GSNL	70.24	12.90	4.52	2.17	2.11	0.32	1.73	3.77	4.46	0.555	0.044	0.142	-99	97.70	-0.1	4	1390	-99	1.4	-0.5	-99
GS-15-074	7741057	Felsic volcanic	GSNL	76.25	11.35	1.90	1.20	0.63	0.02	0.32	2.34	6.64	0.130	0.016	0.007	-99	97.70	-0.1	4	226	-99	2.1	-0.5	-99
GS-15-075	7741058	Felsic volcanic	GSNL	66.59	13.54	6.77	2.98	3.41	1.07	2.18	6.82	1.13	0.626	0.167	0.152	-99	97.70	-0.1	4	1154	-99	2.4	-0.5	-99
GS-15-076	7741059	Felsic volcanic	GSNL	70.63	12.54	4.77	2.36	2.17	0.41	1.26	3.96	4.71	0.530	0.072	0.121	-99	97.70	-0.1	5	1724	-99	2.8	-0.5	-99
GS-15-077	7741061	Porph. dyke	GSNL	73.53	11.40	3.01	1.44	1.42	0.15	0.52	1.54	7.92	0.214	0.050	0.014	-99	97.70	-0.1	8	796	-99	1.9	-0.5	-99
GS-15-078	7741062	Felsic volcanic	GSNL	68.93	12.56	4.78	1.70	2.78	0.85	2.61	4.15	4.01	0.472	0.113	0.096	-99	97.70	-0.1	5	572	-99	1.9	-0.5	-99
GS-15-082	7741063	Felsic volcanic	GSNL	72.76	12.46	3.23	1.43	1.62	0.21	0.67	3.46	5.21	0.321	0.041	0.041	-99	97.70	-0.1	5	1494	-99	2.6	-0.5	-99
GS-15-083	7741064	Granite	GSNL	66.18	16.43	2.53	0.44	1.88	0.47	1.52	4.46	5.79	0.428	0.045	0.068	-99	97.70	-0.1	4	947	-99	1.2	-0.5	-99
GS-15-084	7741065	Felsic volcanic	GSNL	70.72	12.55	3.68	1.62	1.85	0.30	0.54	3.77	5.32	0.388	0.062	0.055	-99	97.70	-0.1	4	1865	-99	2.4	-0.5	-99
GS-15-085	7741066	Felsic volcanic	GSNL	72.12	12.24	3.48	0.87	2.35	0.19	0.41	3.50	5.36	0.348	0.049	0.049	-99	97.70	-0.1	6	1401	-99	2.8	-0.5	-99
GS-15-086	7741067	Schist	GSNL	53.76	15.32	9.55	3.19	5.72	3.50	5.99	3.44	2.88	1.484	0.141	1.069	-99	97.70	-0.1	3	1812	-99	1.7	-0.5	-99
GS-15-087	7741068	Granite	GSNL	72.21	12.88	2.42	0.58	1.65	0.33	1.18	3.17	5.08	0.149	0.016	0.026	-99	97.70	-0.1	2	513	-99	2.3	-0.5	-99
GS-15-090	7741069	Granodiorite	GSNL	68.32	12.63	6.18	3.42	2.48	0.42	2.01	3.62	5.12	0.663	0.076	0.165	-99	97.70	-0.1	2	1814	-99	2.3	-0.5	-99
GS-15-091	7741071	Felsic volcanic	GSNL	70.66	12.69	4.14	2.11	1.82	0.21	0.83	2.04	7.81	0.375	0.037	0.054	-99	97.70	-0.1	4	1581	-99	1.3	-0.5	-99
GS-15-092	7741072	Felsic volcanic	GSNL	75.68	11.95	2.26	0.87	1.25	0.09	0.58	3.46	4.54	0.219	0.019	0.017	-99	97.70	-0.1	2	925	-99	2.2	-0.5	-99
GS-15-093	7741073	Porph. dyke	GSNL	75.19	11.70	2.23	0.74	1.34	0.10	0.48	3.21	5.28	0.218	0.032	0.019	-99	97.70	-0.1	5	826	-99	2.7	-0.5	-99
GS-15-094	7741074	Felsic volcanic	GSNL	76.24	11.86	2.43	0.72	1.54	0.36	1.66	4.13	2.62	0.170	0.036	0.019	-99	97.70	-0.1	3	438	-99	3.2	-0.5	-99
GS-15-095	7741075	Felsic volcanic	GSNL	71.74	12.66	3.59	1.56	1.83	0.23	0.78	3.24	5.89	0.395	0.048	0.060	-99	97.70	-0.1	6	1813	-99	2.5	-0.5	-99
GS-15-096	7741076	Felsic volcanic	GSNL	72.85	12.73	3.66	0.77	2.60	0.23	0.75	3.45	5.11	0.386	0.057	0.059	-99	97.70	-0.1	7	1678	-99	2.8	-0.5	-99
GS-15-097	7741077	Felsic volcanic	GSNL	74.47	10.30	3.52	2.35	1.05	0.26	2.73	2.68	4.69	0.263	0.054	0.025	-99	97.70	-0.1	10	1258	-99	1.3	-0.5	-99
GS-15-098	7741078	Porph. dyke	GSNL	60.10	17.58	4.61	2.98	1.47	0.08	1.59	1.48	12.18	0.440	0.023	0.065	-99	97.70	-0.1	5	2957	-99	1.0	-0.5	-99
GS-15-099	7741079	Porph. dyke	GSNL	72.10	12.63	3.48	1.60	1.70	0.28	0.39	4.32	4.50	0.392	0.045	0.069	-99	97.70	0.5	5	1563	-99	2.2	-0.5	-99
GS-15-100	7741081	Felsic volcanic	GSNL	71.67	12.82	4.06	1.80	2.03	0.43	0.76	3.67	5.35	0.444	0.060	0.087	-99	97.70	-0.1	5	1784	-99	2.1	-0.5	-99
GS-15-101	7741082	Felsic volcanic	GSNL	71.42	12.63	4.25	2.39	1.67	0.33	1.67	5.03	3.53	0.452	0.077	0.097	-99	97.70	-0.1	4	1170	-99	2.4	-0.5	-99
GS-15-102	7741083	Porph. dyke	GSNL	70.77	12.32	3.25	1.43	1.64	0.34	0.88	3.11	6.31	0.352	0.047	0.054	-99	97.70	-0.1	5	1874	-99	1.5	-0.5	-99
GS-15-103	7741084	Felsic volcanic	GSNL	69.51	12.51	4.15	1.02	2.82	0.40	1.21	3.61	5.07	0.494	0.057	0.111	-99	97.70	-0.1	5	1593	-99	2.5	-0.5	-99
GS-15-104	7741085	Felsic volcanic	GSNL	71.48	12.54	4.27	1.98	2.06	0.37	0.96	3.78	4.98	0.503	0.055	0.116	-99	97.70	-0.1	6	1519	-99	2.4	-0.5	-99
GS-15-105	7741086	Felsic volcanic	GSNL	71.37	12.21	4.62	2.37	2.02	0.36	2.31	3.49	4.39	0.503	0.066	0.118	-99	97.70	-0.1	4	1298	-99	2.0	-0.5	-99
GS-15-106	7741087	Granite	GSNL	75.99	12.81	1.36	0.05	1.18	0.15	0.47	3.86	4.76	0.077	0.042	0.010	-99	97.70	-0.1	2	201	-99	3.9	-0.5	-99
GS-15-107	7741088	Felsic volcanic	GSNL	69.46	12.50	4.68	2.44	2.01	0.40	1.37	3.72	5.12	0.519	0.062	0.115	-99	97.70	-0.1	5	2194	-99	2.6	-0.5	-99
GS-15-108	7741089	Felsic volcanic	GSNL	71.98	11.76	3.48	1.73	1.57	0.23	0.56	3.50	5.17	0.323	0.038	0.051	-99	97.70	-0.1	6	804	-99	2.1	-0.5	-99
GS-15-109	7741091	Felsic volcanic	GSNL	71.04	12.53	3.96	1.94	1.82	0.30	0.84	3.84	5.07	0.422	0.051	0.074	-99	97.70	-0.1	5	2100	-99	2.7	-0.5	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Rock Type	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total	Ag	As	Ba	Ba	Be	Bi	Cd
Unit				wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit				0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.05, 0.1	2	1	1	0.1	0.5	0.1
Analysis Method				ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Calc	Titr	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Grav	Calc	ICPOES-HNO3	ICPOES-4Acid	ICPOES-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid
GS-15-111	7741092	Felsic volcanic	GSNL	73.22	12.43	2.63	1.15	1.34	0.23	1.40	6.25	1.65	0.382	0.035	0.069	-99	97.70	-0.1	6	560	-99	1.7	-0.5	-99
GS-15-112	7741093	Porph. dyke	GSNL	72.53	11.88	2.97	1.49	1.34	0.04	0.31	0.92	9.36	0.295	0.014	0.034	-99	97.70	-0.1	5	1237	-99	3.0	-0.5	-99
GS-15-114	7741094	Felsic volcanic	GSNL	71.48	12.54	3.74	3.09	0.59	0.02	0.17	1.97	8.34	0.413	0.037	0.067	-99	97.70	-0.1	4	1574	-99	1.6	-0.5	-99
GS-15-115	7741095	Felsic volcanic	GSNL	75.15	11.77	1.72	1.15	0.52	0.05	0.27	4.94	3.19	0.080	0.056	0.003	-99	97.70	-0.1	3	224	-99	5.5	-0.5	-99
GS-15-117	7741096	Porph. dyke	GSNL	60.52	17.68	5.43	3.16	2.04	0.26	0.50	4.13	8.81	0.428	0.117	0.054	-99	97.70	-0.1	7	1570	-99	1.6	-0.5	-99
GS-15-118	7741097	Porph. dyke	GSNL	71.96	12.23	3.35	2.01	1.21	0.09	0.36	2.24	7.45	0.389	0.241	0.064	-99	97.70	0.4	4	1100	-99	2.8	-0.5	-99
GS-15-123	7741099	Granite	GSNL	73.10	13.34	1.84	0.73	1.00	0.16	0.51	4.27	5.04	0.157	0.018	0.024	-99	97.70	-0.1	2	1517	-99	1.8	-0.5	-99
GS-15-124	7741101	Granite	GSNL	64.45	13.76	6.58	1.67	4.42	1.18	2.87	3.73	3.16	0.836	0.092	0.268	1.59	97.70	-0.1	4	1504	-99	1.8	-0.5	-99
GS-15-126	7741102	Granite	GSNL	68.48	14.35	3.80	1.63	1.95	0.13	1.13	3.72	6.36	0.343	0.029	0.030	0.39	97.70	-0.1	4	2560	-99	0.7	-0.5	-99
GS-15-128	7741103	Intermed. volcanic	GSNL	56.07	14.97	8.79	6.06	2.46	2.62	4.56	8.87	0.34	1.057	0.123	0.241	1.50	97.70	-0.1	10	310	-99	5.1	-0.5	-99
GS-15-129	7741104	Intermed. volcanic	GSNL	55.42	15.59	9.60	8.22	1.24	2.09	4.16	8.96	0.19	1.113	0.108	0.552	2.78	97.70	-0.1	26	932	-99	8.7	-0.5	-99
GS-15-130	7741105	Mafic dyke	GSNL	51.43	16.74	8.65	3.22	4.89	5.46	5.99	6.69	1.43	0.895	0.127	0.297	1.26	97.70	0.3	10	1129	-99	0.8	-0.5	-99
GS-15-131	7741106	QFP	GSNL	62.11	17.19	1.93	0.72	1.09	0.16	2.60	6.50	5.49	0.422	0.075	0.002	1.53	97.70	-0.1	5	904	-99	1.2	-0.5	-99
GS-15-132	7741107	Feldspar porphyry	GSNL	62.85	18.09	3.64	1.89	1.58	0.03	0.60	5.68	7.30	0.233	0.027	0.009	0.46	97.70	-0.1	9	159	-99	1.9	-0.5	-99
GS-15-133	7741108	QFP	GSNL	66.11	14.42	5.08	1.75	3.00	0.78	2.08	4.09	5.07	0.772	0.097	0.221	0.56	97.70	-0.1	7	889	-99	3.5	-0.5	-99
GS-15-135	7741109	Felsic volcanic	GSNL	78.92	9.81	1.97	1.29	0.61	0.02	0.32	3.51	3.39	0.134	0.015	0.003	0.25	97.70	-0.1	3	111	-99	1.7	-0.5	-99
GS-15-136	7741111	Intermed. volcanic	GSNL	73.51	10.51	2.90	1.69	1.09	1.61	2.09	5.30	1.51	0.261	0.086	0.032	0.44	97.70	-0.1	14	460	-99	3.2	-0.5	-99
GS-15-138	7741112	Felsic volcanic	GSNL	73.19	11.66	3.20	1.00	1.98	0.05	0.69	3.66	5.01	0.245	0.062	0.011	0.50	97.70	-0.1	6	134	-99	5.3	-0.5	-99
GS-15-139	7741113	Felsic volcanic	GSNL	76.00	12.04	1.84	0.36	1.33	0.16	0.56	4.33	4.31	0.093	0.021	0.014	0.42	97.70	-0.1	5	144	-99	2.0	-0.5	-99
GS-15-143	7741114	Mafic dyke	GSNL	46.62	16.06	11.63	3.53	7.29	8.04	9.23	3.83	1.28	1.157	0.212	0.178	1.56	97.70	-0.1	6	710	-99	0.8	-0.5	-99
GS-15-144	7741115	QFP	GSNL	64.84	14.74	5.61	1.90	3.34	0.97	2.44	3.82	4.96	0.818	0.099	0.233	0.45	97.70	-0.1	8	993	-99	3.0	-0.5	-99
GS-15-147	7741116	Intermed. volcanic	GSNL	63.15	16.37	5.04	2.19	2.56	1.52	2.86	3.83	4.78	0.634	0.068	0.182	0.69	97.70	-0.1	5	626	-99	2.5	-0.5	-99
GS-15-148	7741117	Intermed. volcanic	GSNL	56.53	16.09	10.01	6.82	2.87	2.09	4.48	8.83	0.18	1.139	0.132	0.369	0.56	97.70	0.3	16	602	-99	4.2	-0.5	-99
GS-15-149	7741118	Intermed. volcanic	GSNL	55.85	17.54	5.91	4.70	1.09	2.20	4.15	5.31	5.65	1.001	0.075	0.437	2.48	97.70	0.2	14	2418	-99	2.4	-0.5	-99
GS-15-150	7741119	Mafic dyke	GSNL	50.43	14.02	7.97	3.05	4.43	10.44	7.07	2.71	3.51	0.821	0.149	0.360	2.00	97.70	-0.1	7	610	-99	1.8	-0.5	-99
GS-15-151	7741121	Crystal tuff	GSNL	78.00	10.47	2.45	1.49	0.86	0.33	0.63	4.86	2.18	0.158	0.039	0.038	0.37	97.70	-0.1	10	570	-99	1.8	-0.5	-99
GS-15-152	7741122	Felsic volcanic	GSNL	73.16	11.69	2.15	0.93	1.10	0.01	0.39	0.69	9.60	0.205	0.038	0.036	0.41	97.70	-0.1	6	316	-99	0.8	-0.5	-99
GS-15-153	7741123	Felsic volcanic	GSNL	73.91	11.76	2.07	1.08	0.89	-0.01	0.26	0.85	9.28	0.207	0.034	0.034	0.26	97.70	-0.1	6	207	-99	0.8	-0.5	-99
GS-15-154	7741124	Intermed. Dyke	GSNL	42.27	12.13	17.11	9.81	6.57	3.28	6.85	3.74	5.16	2.572	0.535	0.921	4.71	97.70	-0.1	37	384	-99	8.6	-0.5	-99
GS-15-155	7741125	Felsic volcanic	GSNL	71.98	12.94	2.58	1.60	0.88	0.12	0.40	5.26	4.14	0.317	0.058	0.050	0.19	97.70	-0.1	11	190	-99	3.6	-0.5	-99
GS-15-163	7741126	Mafic dyke	GSNL	34.64	10.82	8.30	1.47	6.15	8.37	11.73	0.14	3.72	0.724	0.258	0.323	19.81	97.70	0.5	2	685	-99	4.7	-0.5	-99
GS-15-164	7741127	Mafic dyke	GSNL	21.79	6.11	8.52	1.44	6.37	7.15	23.73	0.07	1.59	0.323	0.318	0.024	29.36	97.70	0.2	-2	36	-99	0.5	-0.5	-99
GS-15-165	7741128	Sandstone	GSNL	38.07	9.76	8.51	5.72	2.51	6.36	11.70	2.69	1.88	1.214	0.146	1.026	16.75	97.70	-0.1	10	2087	-99	1.8	-0.5	-99
GS-15-167	7741129	Felsic volcanic	GSNL	56.41	17.12	6.55	4.47	1.87	1.36	4.70	4.37	4.59	0.865	0.120	0.366	2.47	97.70	-0.1	30	1208	-99	2.8	-0.5	-99
GS-15-168	7741131	Felsic volcanic	GSNL	70.98	13.70	1.32	0.29	0.92	0.04	0.19	3.59	6.58	0.462	0.004	0.034	0.75	97.70	0.2	6	1557	-99	1.6	-0.5	-99
GS-15-169	7741132	Gabbro	GSNL	45.34	14.29	16.69	3.49	11.88	5.66	7.90	2.51	2.37	2.733	0.211	0.482	0.87	97.70	0.1	14	704	-99	1.1	-0.5	-99
GS-15-170	7741133	Felsic volcanic	GSNL	68.80	15.13	2.16	1.08	0.97	0.52	1.40	4.18	4.86	0.377	0.038	0.064	1.28	97.70	-0.1	6	1132	-99	2.2	-0.5	-99
GS-15-171	7741134	Intermed. volcanic	GSNL	50.60	14.05	9.72	7.33	2.16	9.32	8.29	2.11	2.08	0.765	0.149	0.198	2.92	97.70	-0.1	-2	518	-99	0.9	-0.5	-99
GS-15-172	7741135	Intermed. Dyke	GSNL	50.75	14.09	9.37	4.35	4.52	7.93	9.02	1.75	4.19	0.732	0.157	0.276	1.75	97.70	-0.1	5	1157	-99	1.7	-0.5	-99
GS-15-173	7741136	Intermed. volcanic	GSNL	72.10	13.02	3.07	1.92	1.03	0.60	0.53	1.30	6.68	0.369	0.024	0.037	1.36	97.70	0.7	5	856	-99	4.6	-0.5	-99
GS-15-177	7741137	Felsic volcanic	GSNL	68.00	14.49	2.72	0.99	1.56	0.28	0.51	1.83	8.60	0.168	0.070	0.041	1.00	97.70	4.6	3	384	-99	5.8	-0.5	-99
GS-15-178	7741138	Felsic volcanic	GSNL	81.23	6.82	2.97	1.51	1.31	0.03	1.34	2.16	2.58	0.123	0.043	0.009	0.78	97.70	2.4	3	90	-99	11.2	-0.5	-99
GS-15-183	7741139	Felsic volcanic	GSNL	75.04	11.80	2.52	1.31	1.09	0.06	0.18	4.78	3.39	0.131	0.017	0.011	0.15	97.70	0.3	2	134	-99	1.6	-0.5	-99
GS-15-184	7741141	Crystal tuff	GSNL	77.48	11.95	1.28	0.20	0.98	0.20	0.32	5.29	2.75	0.102	0.043	0.012	0.24	99.66	0.6	2	148	-99	2.3	-0.5	-99
GS-15-190	7741142	Granite	GSNL	70.01	14.68	2.27	1.00	1.14	0.34	0.64	4.62	5.27	0.243	0.045	0.035	0.55	98.71	-0.1	5	234	-99	5.6	-0.5	-99
GS-15-191	7741143	Crystal tuff	GSNL	74.91	12.67	1.75	0.16	1.43	0.21	0.87	3.85	4.32	0.156	0.043	0.023	0.33	99.14	-0.1	3	288	-99	2.5	-0.5	-99
GS-15-196	7741144	Intermed. volcanic	GSNL	55.59	15.72	8.94	5.46	3.13	2.83	3.68	8.24	1.12	0.715	0.103	0.192	2.86	99.99	1.5	4	714	-99	3.2	-0.5	-99
GS-15-197	7741145	Felsic volcanic	GSNL	73.94	11.86	1.88	1.34	0.49	0.20	0.83	3.13	5.82	0.101	0.027	0.009	0.86	98.66	-0.1	6	110	-99	1.9	-0.5	-99
GS-15-198	7741146	Porph. dyke	GSNL	71.54	12.61	4.33	3.49	0.75	0.27	0.70	7.35	0.10	0.409	0.038	0.061	0.68	98.09	0.3	5	2341	-99	3.9	-0.5	-99
GS-15-199	7741147	Hyaloclastite	GSNL	36.64	5.45	21.26	5.55	14.14	15.65	7.24	0.05	0.08	5.382	0.255	0.507	6.18	98.69	0.5	5	68	-99	1.9	-0.5	-99
GS-15-200	7741148	Hyaloclastite	GSNL	35.71	5.27	20.93	6.99	12.55	15.49	10.28	0.09	0.11	5.277	0.247	0.498	5.41	99.31	0.5	-2	103	-99	1.9	-0.5	-99
GS-15-201	7741149	Dolostone	GSNL	6.73	1.32	7.80	0.20	6.84	13.85	28.28	0.04	0.27	0.057	0.245	0.013	40.94	99.55	0.2	3	29	-99	-0.1	-0.5	-99
GS-15-202	7741151	Breccia	GSNL	74.92	7.27	1.99	-99	-99	0.63	4.81	3.87	0.11	0.294	0.053	0.060	4.49	98.49	-0.1	3	1324	-99	0.4	-0.5	-99
GS-15-204	7741152	Intermed. dyke	GSNL	46.79	15.77	10.33	2.74	6.83	6.29	5.99	1.77	2.54	0.670	0.144	0.138	8.74	99.18	0.1	11	410	-99	0.8	-0.5	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho	La	La	Li	Lu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.2	1	0.5	1	1	1, 100	1	0.5	1	0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1	1	0.5	0.1	0.05
Analysis Method		ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ISE	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS
GS-07-001	7740001	-99	220	-99	2	-99	-100	1	-99	14	14.3	-99	-99	-99	92	1.93	-99	-99	-99	-99	-99	105	-99	0.8	-99
GS-07-008	7740158	-99	246	-99	2	-99	-100	1	-99	18	18.4	-99	-99	-99	93	2.19	-99	-99	-99	-99	-99	114	-99	1.0	-99
GS-07-010	7740002	-99	206	-99	3	-99	-100	1	-99	10	13.8	-99	-99	-99	170	2.39	-99	-99	-99	-99	-99	97	-99	1.4	-99
GS-07-011	7740159	-99	203	-99	3	-99	-100	2	-99	14	13.5	-99	-99	-99	97	2.35	-99	-99	-99	-99	-99	94	-99	3.5	-99
GS-07-018	7740003	-99	69	-99	50	-99	-100	3	-99	25	7.7	-99	-99	-99	536	9.77	-99	-99	-99	-99	-99	31	-99	14.9	-99
GS-07-020	7740161	-99	199	-99	3	-99	-100	2	-99	5	13.1	-99	-99	-99	116	2.57	-99	-99	-99	-99	-99	94	-99	1.8	-99
GS-07-021	7740004	-99	26	-99	58	-99	-100	13	-99	60	4.0	-99	-99	-99	227	9.82	-99	-99	-99	-99	-99	11	-99	45.9	-99
GS-07-022	7740162	-99	32	-99	61	-99	-100	11	-99	85	7.0	-99	-99	-99	1182	11.54	-99	-99	-99	-99	-99	13	-99	58.8	-99
GS-07-024	7740005	-99	204	-99	4	-99	-100	2	-99	3	13.8	-99	-99	-99	117	2.45	-99	-99	-99	-99	-99	97	-99	0.8	-99
GS-07-025	7740006	-99	43	-99	32	-99	-100	35	-99	61	3.0	-99	-99	-99	394	6.75	-99	-99	-99	-99	-99	21	-99	35.7	-99
GS-07-027	7740007	-99	38	-99	44	-99	-100	69	-99	17	7.0	-99	-99	-99	2160	12.18	-99	-99	-99	-99	-99	15	-99	109.2	-99
GS-07-028	7740008	-99	41	-99	28	-99	-100	18	-99	20	2.5	-99	-99	-99	398	5.54	-99	-99	-99	-99	-99	23	-99	28.6	-99
GS-07-029	7740069	-99	198	-99	4	-99	-100	2	-99	11	13.7	-99	-99	-99	134	2.41	-99	-99	-99	-99	-99	94	-99	0.8	-99
GS-07-030	7740009	-99	32	-99	39	-99	-100	24	-99	14	3.4	-99	-99	-99	635	6.83	-99	-99	-99	-99	-99	16	-99	76.9	-99
GS-07-034	7740163	-99	219	-99	3	-99	-100	1	-99	6	12.3	-99	-99	-99	359	2.47	-99	-99	-99	-99	-99	103	-99	12.6	-99
GS-07-037	7740071	-99	21	-99	44	-99	-100	74	-99	6	5.1	-99	-99	-99	2870	10.53	-99	-99	-99	-99	-99	10	-99	103.7	-99
GS-07-039	7740072	-99	62	-99	48	-99	-100	3	-99	-1	9.0	-99	-99	-99	1210	9.51	-99	-99	-99	-99	-99	30	-99	11.0	-99
GS-07-044	7740164	-99	45	-99	33	-99	-100	19	-99	36	3.5	-99	-99	-99	500	5.55	-99	-99	-99	-99	-99	24	-99	20.5	-99
GS-07-047	7740011	-99	49	-99	17	-99	-100	13	-99	86	1.5	-99	-99	-99	314	3.61	-99	-99	-99	-99	-99	20	-99	11.2	-99
GS-07-052	7740012	-99	43	-99	18	-99	-100	14	-99	3	1.6	-99	-99	-99	291	4.08	-99	-99	-99	-99	-99	18	-99	9.5	-99
GS-07-055	7740165	-99	104	-99	5	-99	-100	5	-99	19	1.0	-99	-99	-99	376	1.65	-99	-99	-99	-99	-99	43	-99	24.7	-99
GS-07-061	7740166	-99	43	-99	17	-99	-100	16	-99	10	2.7	-99	-99	-99	390	4.13	-99	-99	-99	-99	-99	18	-99	8.7	-99
GS-07-067	7740167	-99	53	-99	17	-99	-100	15	-99	50	2.8	-99	-99	-99	468	4.20	-99	-99	-99	-99	-99	23	-99	7.9	-99
GS-07-072	7740168	-99	49	-99	30	-99	-100	22	-99	43	4.0	-99	-99	-99	650	6.13	-99	-99	-99	-99	-99	24	-99	96.4	-99
GS-07-075	7740169	-99	9	-99	50	-99	195	199	-99	3	3.7	-99	-99	-99	530	9.61	-99	-99	-99	-99	-99	3	-99	70.8	-99
GS-07-076	7740171	-99	14	-99	6	-99	-100	2	-99	5	1.6	-99	-99	-99	160	1.84	-99	-99	-99	-99	-99	9	-99	13.1	-99
GS-07-077	7740172	-99	19	15.6	1	-99	-100	2	1.0	2	0.6	0.6	0.3	0.36	171	0.64	16	0.8	1	2.9	0.1	10	7.8	4.6	-0.05
GS-07-078	7740173	-99	22	19.9	6	-99	-100	2	2.5	3	1.0	0.9	0.4	0.41	344	1.63	20	1.1	2	3.6	0.1	12	9.9	14.0	0.06
GS-07-090	7740013	-99	11	-99	66	-99	1086	940	-99	26	3.7	-99	-99	-99	849	9.59	-99	-99	-99	-99	-99	4	-99	20.2	-99
GS-07-091	7740014	-99	13	-99	46	-99	269	265	-99	8	3.3	-99	-99	-99	361	7.93	-99	-99	-99	-99	-99	5	-99	29.6	-99
GS-07-093	7740174	-99	20	18.4	6	-99	-100	3	0.9	6	0.6	0.7	0.3	0.62	322	1.85	18	1.1	2	3.0	0.1	15	12.4	15.0	-0.05
GS-07-094	7740015	-99	11	-99	-1	-99	-100	2	-99	7	1.0	-99	-99	-99	65	0.26	-99	-99	-99	-99	-99	7	-99	1.4	-99
GS-07-098	7740016	-99	19	-99	59	-99	-100	27	-99	5	2.1	-99	-99	-99	763	11.35	-99	-99	-99	-99	-99	2	-99	64.1	-99
GS-07-101	7740017	-99	19	-99	2	-99	-100	3	-99	11	-0.1	-99	-99	-99	99	0.55	-99	-99	-99	-99	-99	11	-99	3.9	-99
GS-07-102	7740175	-99	21	-99	32	-99	122	127	-99	14	3.7	-99	-99	-99	330	5.80	-99	-99	-99	-99	-99	11	-99	22.6	-99
GS-07-104	7740018	-99	35	-99	2	-99	-100	3	-99	11	-0.1	-99	-99	-99	122	0.73	-99	-99	-99	-99	-99	17	-99	4.0	-99
GS-07-105	7740019	-99	6	-99	70	-99	1693	1096	-99	2	2.2	-99	-99	-99	902	6.81	-99	-99	-99	-99	-99	4	-99	23.7	-99
GS-07-108	7740176	-99	6	-99	42	-99	244	249	-99	6	4.4	-99	-99	-99	475	8.36	-99	-99	-99	-99	-99	3	-99	41.0	-99
GS-07-109	7740021	-99	7	-99	54	-99	219	209	-99	10	4.2	-99	-99	-99	545	9.37	-99	-99	-99	-99	-99	2	-99	48.1	-99
GS-07-110	7740177	-99	5	-99	2	-99	-100	3	-99	2	0.2	-99	-99	-99	43	0.88	-99	-99	-99	-99	-99	4	-99	4.2	-99
GS-07-113	7740022	-99	77	-99	29	-99	-100	51	-99	100	4.3	-99	-99	-99	583	6.01	-99	-99	-99	-99	-99	37	-99	12.9	-99
GS-07-118	7740023	-99	79	-99	20	-99	-100	50	-99	5	1.4	-99	-99	-99	646	6.54	-99	-99	-99	-99	-99	35	-99	25.4	-99
GS-07-120	7740024	-99	33	-99	57	-99	-100	108	-99	32	4.9	-99	-99	-99	339	9.31	-99	-99	-99	-99	-99	15	-99	20.7	-99
GS-07-123	7740025	-99	56	-99	38	-99	164	159	-99	22	5.3	-99	-99	-99	619	7.13	-99	-99	-99	-99	-99	27	-99	33.6	-99
GS-07-132	7740026	-99	19	18.4	54	-99	-100	78	3.1	69	4.9	3.9	2.2	1.13	390	11.79	20	3.6	5	1.4	0.8	7	8.2	28.2	0.30
GS-07-147	7740073	-99	2	-99	1	-99	-100	2	-99	2	-0.1	-99	-99	-99	70	0.13	-99	-99	-99	-99	-99	2	-99	6.0	-99
GS-07-148	7740074	-99	9	-99	-1	-99	-100	1	-99	-1	1.4	-99	-99	-99	61	0.08	-99	-99	-99	-99	-99	4	-99	0.4	-99
GS-07-151	7740027	-99	158	-99	7	-99	-100	4	-99	3	5.8	-99	-99	-99	129	3.96	-99	-99	-99	-99	-99	65	-99	1.4	-99
GS-07-159	7740028	-99	-1	1.6	33	-99	249	272	0.5	68	1.0	1.4	0.8	0.29	111	4.60	10	1.0	4	0.4	0.3	2	-0.5	22.1	0.10
GS-07-161	7740029	-99	23	23.8	51	-99	-100	57	0.6	180	4.8	4.3	2.6	1.22	175	10.52	17	4.1	9	2.4	0.9	10	10.3	22.0	0.37
GS-07-162	7740031	-99	47	49.7	31	-99	188	192	-0.5	99	3.2	3.5	2.0	1.37	438	6.21	16	4.2	4	2.7	0.7	24	24.6	16.8	0.28
GS-07-163	7740032	-99	44	45.8	28	-99	-100	81	0.5	81	2.0	2.8	1.3	1.45	356	5.33	17	3.7	4	2.2	0.5	23	21.1	17.5	0.21
GS-07-164	7740033	-99	44	45.9	25	-99	-100	34	0.5	141	1.9	2.7	1.4	1.43	279	4.47	18	3.6	3	2.0	0.5	23	22.2	24.5	0.20
GS-07-167	7740034	-99	2	4.4	37	-99	335	367	1.1	28	2.6	2.7	1.6	0.58	200	7.44	13	2.1	4	1.1	0.6	2	0.7	23.5	0.28
GS-07-170	7740067	-99	40	43.1	27	-99	-100	95	1.6	19	2.2	2.7	1.4	1.39	448	5.66	18	3.7	4	2.3	0.5	20	19.7	23.6	0.21
GS-07-171	7740035	-99	158	160	1	-99	-100	3	-0.5	5	3.2	5.1	2.9	0.21	51	1.28	26	6.3	5	7.4	1.0	79	80.6	12.3	0.42
GS-07-172	7740075	-99	41	-99	17	-99	-100	13	-99	-1	1.4	-99	-99	-99	365	3.51	-99	-99	-99	-99	-99	18	-99	8.4	-99
GS-07-173	7740076	-99	95	-99	20	-99	-100	16	-99	-1	2.6	-99	-99	-99	375	4.02	-99	-99	-99	-99	-99	46	-99	13.4	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho	La	La	Li	Lu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.2	1	0.5	1	1	1, 100	1	0.5	1	0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1	1	0.5	0.1	0.05
Analysis Method		ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ISE	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS
GS-07-174A	7740036	-99	17	-99	54	-99	-100	102	-99	136	4.9	-99	-99	-99	347	10.13	-99	-99	-99	-99	-99	6	-99	20.1	-99
GS-07-176	7740077	-99	4	-99	-1	-99	-100	2	-99	-1	1.4	-99	-99	-99	70	0.60	-99	-99	-99	-99	-99	3	-99	0.6	-99
GS-07-177	7740178	-99	48	-99	16	-99	-100	15	-99	24	2.5	-99	-99	-99	366	3.79	-99	-99	-99	-99	-99	20	-99	10.5	-99
GS-07-179	7740037	-99	6	-99	2	-99	-100	1	-99	19	-0.1	-99	-99	-99	55	0.35	-99	-99	-99	-99	-99	4	-99	2.9	-99
GS-07-181	7740179	-99	95	-99	16	-99	-100	14	-99	360	0.8	-99	-99	-99	279	3.08	-99	-99	-99	-99	-99	47	-99	25.2	-99
GS-07-182	7740038	-99	19	-99	-1	-99	-100	3	-99	5	0.3	-99	-99	-99	44	0.77	-99	-99	-99	-99	-99	11	-99	2.0	-99
GS-07-186	7740039	-99	61	-99	22	-99	-100	17	-99	7	2.2	-99	-99	-99	339	3.98	-99	-99	-99	-99	-99	27	-99	20.0	-99
GS-07-187	7740041	-99	3	-99	-1	-99	-100	2	-99	1	-0.1	-99	-99	-99	40	0.34	-99	-99	-99	-99	-99	2	-99	1.8	-99
GS-07-188	7740042	-99	70	-99	66	-99	138	154	-99	25	8.3	-99	-99	-99	606	10.76	-99	-99	-99	-99	-99	30	-99	41.2	-99
GS-07-193	7740078	-99	6	-99	1	-99	-100	1	-99	-1	3.9	-99	-99	-99	103	0.55	-99	-99	-99	-99	-99	2	-99	2.7	-99
GS-07-195	7740079	-99	5	-99	1	-99	-100	1	-99	3	1.0	-99	-99	-99	68	0.69	-99	-99	-99	-99	-99	2	-99	4.9	-99
GS-07-197	7740043	-99	16	16.6	53	-99	-100	103	1.2	165	4.0	3.3	2.0	1.05	131	9.79	16	3.3	4	1.8	0.6	7	6.4	16.3	0.28
GS-07-198	7740044	-99	19	20.3	55	-99	-100	49	1.2	249	4.7	4.0	2.3	1.24	135	10.75	17	4.0	5	2.2	0.8	8	8.0	17.4	0.33
GS-07-199	7740045	-99	20	21.2	58	-99	-100	69	-0.5	64	5.0	4.4	2.5	1.21	239	12.23	19	4.2	6	2.3	0.9	7	8.1	17.7	0.36
GS-07-204	7740046	-99	209	213	4	-99	-100	4	-0.5	44	2.2	6.1	3.7	0.53	79	3.03	30	7.6	6	9.4	1.2	108	109	11.9	0.56
GS-07-213	7740047	-99	26	26.7	41	-99	-100	59	1.4	27	3.7	3.7	2.2	1.10	776	6.47	15	3.7	4	2.2	0.8	13	11.5	23.4	0.32
GS-07-214	7740048	-99	275	256	3	-99	-100	2	0.7	18	18.4	18.7	11.7	0.22	814	1.95	34	18.1	8	19.1	3.8	128	124	2.5	1.75
GS-07-215	7740049	-99	44	43.8	21	-99	-100	31	0.8	-1	2.4	3.3	1.9	1.42	418	4.10	16	3.8	5	3.1	0.6	23	20.5	22.9	0.26
GS-07-216	7740051	-99	71	71.4	19	-99	-100	119	-0.5	47	3.2	4.2	2.6	1.09	624	3.77	19	4.7	4	5.2	0.8	37	35.6	14.1	0.38
GS-07-218	7740182	-99	34	33.1	37	-99	366	340	1.5	48	3.8	3.1	1.6	1.26	267	6.22	14	3.8	4	1.8	0.6	17	15.9	105.6	0.23
GS-07-220	7740052	-99	102	97.4	31	-99	-100	21	1.3	38	5.5	6.3	3.4	2.97	738	6.59	24	7.5	6	6.4	1.2	47	46.4	51.9	0.50
GS-07-222	7740183	-99	19	20.0	53	-99	131	129	3.4	135	4.6	3.6	2.2	1.34	238	8.08	16	3.5	4	1.7	0.7	9	7.5	53.9	0.30
GS-07-225	7740068	-99	192	187	6	-99	-100	2	2.6	2	9.4	10.0	6.2	1.34	1470	1.95	27	10.8	5	12.3	2.0	92	92.1	25.8	1.05
GS-07-226	7740184	-99	244	216	6	-99	-100	2	0.6	3	10.9	11.6	7.1	1.45	151	1.98	29	11.5	6	13.2	2.3	114	106	5.2	1.13
GS-07-230	7740053	-99	346	347	2	-99	-100	2	0.7	2	23.3	27.1	17.1	0.28	63	2.22	44	26.0	10	24.0	5.6	159	168	1.5	2.51
GS-07-231	7740054	-99	88	92.8	22	-99	-100	7	2.2	40	4.8	5.8	3.4	2.39	688	4.78	25	6.9	5	3.1	1.1	43	44.9	23.4	0.43
GS-07-232	7740055	-99	174	165	6	-99	-100	2	1.7	4	7.6	8.0	4.9	1.74	689	2.35	24	8.8	6	12.3	1.6	84	81.3	7.8	0.74
GS-07-233	7740185	-99	45	44.2	33	-99	-100	97	1.0	20	4.1	3.2	1.9	1.22	422	7.12	17	3.9	4	2.2	0.6	22	20.3	17.2	0.27
GS-07-234	7740056	-99	173	172	6	-99	-100	2	1.8	6	7.4	8.4	5.0	1.80	731	2.39	26	9.3	6	14.2	1.7	84	84.4	7.7	0.81
GS-07-235	7740057	-99	175	168	5	-99	-100	2	0.8	7	6.7	7.7	4.7	1.40	490	2.10	26	8.9	6	11.2	1.6	84	82.0	4.6	0.70
GS-07-238	7740058	-99	325	351	9	-99	-100	3	0.7	6	16.9	18.7	10.6	3.41	897	3.61	39	20.6	11	19.7	3.6	152	169	19.4	1.59
GS-07-239	7740186	-99	78	77.1	53	-99	-100	8	1.4	99	7.6	6.4	3.3	2.88	938	11.00	22	8.2	7	2.7	1.2	35	32.7	36.2	0.43
GS-07-240	7740059	-99	265	252	6	-99	-100	2	-0.5	-1	13.8	12.9	7.8	2.68	387	2.64	33	14.3	8	11.7	2.6	126	123	17.1	1.22
GS-07-241	7740061	-99	185	175	5	-99	-100	2	-0.5	1	7.9	7.5	4.5	1.32	516	2.01	25	8.5	5	10.3	1.5	90	87.1	7.7	0.72
GS-07-244	7740187	-99	169	156	6	-99	-100	2	0.7	4	7.4	7.6	4.6	1.61	344	2.37	25	8.7	5	10.7	1.5	81	76.6	6.2	0.71
GS-07-245	7740188	-99	33	31.5	59	-99	-100	47	2.5	16	6.6	5.7	3.3	2.07	248	10.11	19	5.8	5	3.3	1.1	14	13.5	74.3	0.43
GS-07-247	7740189	-99	92	94.3	41	-99	100	102	1.0	32	5.7	5.1	2.4	3.37	789	7.97	24	8.0	7	2.5	0.9	44	41.3	21.6	0.26
GS-07-248	7740062	-99	179	159	7	-99	-100	2	0.8	4	8.2	7.9	4.7	1.66	359	2.60	24	8.6	5	11.9	1.5	87	79.9	5.6	0.74
GS-07-249	7740063	-99	315	311	8	-99	-100	3	0.8	3	16.7	16.2	9.3	3.25	571	3.53	34	18.3	10	19.3	3.2	151	150	4.9	1.43
GS-07-251	7740064	-99	372	390	9	-99	-100	2	-0.5	18	19.9	21.0	13.1	2.78	155	2.62	44	22.8	11	21.2	4.2	177	189	1.9	2.06
GS-07-252	7740065	-99	164	163	6	-99	-100	2	-0.5	2	7.5	7.9	4.8	1.62	197	2.23	25	8.9	5	11.1	1.6	79	79.8	11.4	0.75
GS-07-254	7740066	-99	49	49.6	33	-99	-100	37	2.2	42	3.4	3.8	2.2	1.62	511	6.82	20	4.6	5	3.0	0.8	23	22.2	25.7	0.33
GS-07-261	7740081	-99	12	-99	3	-99	-100	2	-99	7	0.6	-99	-99	-99	253	0.97	-99	-99	-99	-99	-99	7	-99	16.2	-99
GS-08-007	7740082	-99	81	-99	9	-99	-100	8	-99	68	2.1	-99	-99	-99	436	2.82	-99	-99	-99	-99	-99	40	-99	13.6	-99
GS-08-008	7740083	-99	81	-99	9	-99	-100	8	-99	38	2.3	-99	-99	-99	378	2.98	-99	-99	-99	-99	-99	40	-99	13.5	-99
GS-08-016	7740084	-99	20	-99	52	-99	-100	40	-99	85	7.1	-99	-99	-99	158	12.77	-99	-99	-99	-99	-99	5	-99	27.8	-99
GS-08-017	7740085	-99	22	19.3	47	-99	-100	56	0.7	235	4.5	3.9	2.3	1.17	143	10.71	18	4.0	8	2.2	0.8	8	7.4	24.6	0.34
GS-08-025	7740086	-99	19	17.0	47	-99	-100	78	0.6	71	4.0	3.7	2.1	1.16	199	10.13	18	3.6	8	2.1	0.7	7	7.4	18.0	0.34
GS-08-027	7740087	-99	20	17.2	47	-99	-100	82	0.7	226	4.1	3.6	2.1	0.95	97	10.10	17	3.5	8	2.0	0.7	7	7.3	15.7	0.30
GS-08-035	7740088	-99	2	1.6	33	-99	990	1008	1.2	45	1.2	1.3	0.8	0.29	22	4.54	12	1.1	3	0.5	0.3	2	1.4	23.5	0.14
GS-08-036	7740089	-99	19	18.1	50	-99	-100	65	-0.5	237	4.2	3.8	2.2	1.08	93	10.00	16	3.5	8	2.1	0.7	7	7.0	16.6	0.31
GS-08-037	7740091	-99	27	25.4	48	-99	140	140	-0.5	179	4.0	3.7	2.1	1.14	299	9.74	14	3.9	8	2.0	0.7	11	11.1	22.9	0.31
GS-08-043	7740092	-99	27	23.6	47	-99	-100	71	-0.5	194	4.5	4.3	2.7	1.22	89	10.34	14	4.4	9	2.5	0.9	10	11.5	11.3	0.40
GS-08-044	7740093	-99	26	24.7	48	-99	-100	61	-0.5	178	4.7	4.2	2.7	1.37	86	10.25	19	4.5	8	2.6	0.9	10	10.5	12.6	0.39
GS-08-045	7740094	-99	21	19.5	51	-99	-100	61	-0.5	192	4.2	3.9	2.3	1.15	120	10.49	19	4.0	7	2.1	0.8	7	8.0	10.8	0.31
GS-08-050	7740095	-99	27	23.1	96	-99	-100	83	-0.5	358	1.2	4.1	2.5	1.03	67	7.78	21	3.7	6	4.2	0.8	10	12.9	23.9	0.32
GS-08-053	7740096	-99	6	-99	40	-99	220	212	-99	145	1.4	-99	-99	-99	147	7.31	-99	-99	-99	-99	-99	1	-99	34.4	-99
GS-08-063	7740097	-99	2	-99	32	-99	176	162	-99	138	1.6	-99	-99	-99	178	5.98	-99	-99	-99	-99	-99	2	-99	6.5	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho	La	La	Li	Lu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.2	1	0.5	1	1	1, 100	1	0.5	1	0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1	1	0.5	0.1	0.05
Analysis Method		ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ISE	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS
GS-08-068	7740098	-99	7	-99	39	-99	177	183	-99	145	2.1	-99	-99	-99	64	7.71	-99	-99	-99	-99	-99	2	-99	40.2	-99
GS-08-074	7740099	-99	104	-99	2	-99	-100	1	-99	6	4.9	-99	-99	-99	624	0.59	-99	-99	-99	-99	-99	46	-99	0.9	-99
GS-08-075	7740101	-99	24	-99	33	-99	-100	72	-99	84	2.8	-99	-99	-99	352	6.76	-99	-99	-99	-99	-99	12	-99	18.5	-99
GS-08-076	7740102	-99	107	-99	1	-99	-100	1	-99	4	7.5	-99	-99	-99	343	0.78	-99	-99	-99	-99	-99	43	-99	1.4	-99
GS-08-078	7740103	-99	102	-99	14	-99	-100	5	-99	7	4.1	-99	-99	-99	859	3.80	-99	-99	-99	-99	-99	49	-99	4.8	-99
GS-08-079	7740104	-99	98	-99	15	-99	-100	4	-99	30	4.1	-99	-99	-99	688	4.15	-99	-99	-99	-99	-99	47	-99	6.6	-99
GS-08-080	7740105	-99	84	-99	7	-99	-100	1	-99	6	3.0	-99	-99	-99	590	2.42	-99	-99	-99	-99	-99	41	-99	7.3	-99
GS-08-081	7740106	-99	96	-99	14	-99	-100	5	-99	4	3.9	-99	-99	-99	898	4.37	-99	-99	-99	-99	-99	46	-99	8.5	-99
GS-08-082	7740107	-99	118	-99	2	-99	-100	1	-99	10	6.4	-99	-99	-99	1194	0.76	-99	-99	-99	-99	-99	53	-99	1.5	-99
GS-08-083	7740108	-99	86	-99	-1	-99	-100	-1	-99	4	5.8	-99	-99	-99	407	0.57	-99	-99	-99	-99	-99	36	-99	1.3	-99
GS-08-084	7740109	-99	92	-99	-1	-99	-100	1	-99	4	4.6	-99	-99	-99	1038	0.64	-99	-99	-99	-99	-99	39	-99	1.4	-99
GS-08-088	7740111	-99	58	-99	1	-99	-100	-1	-99	13	2.7	-99	-99	-99	327	0.26	-99	-99	-99	-99	-99	26	-99	1.4	-99
GS-08-089	7740112	-99	61	-99	6	-99	-100	1	-99	11	5.1	-99	-99	-99	1105	3.39	-99	-99	-99	-99	-99	29	-99	5.1	-99
GS-08-090	7740113	-99	158	-99	2	-99	-100	1	-99	6	7.9	-99	-99	-99	135	1.03	-99	-99	-99	-99	-99	72	-99	2.9	-99
GS-08-092	7740114	-99	156	-99	2	-99	-100	1	-99	3	8.2	-99	-99	-99	1990	1.17	-99	-99	-99	-99	-99	72	-99	8.9	-99
GS-08-095	7740115	-99	114	-99	2	-99	-100	1	-99	74	5.6	-99	-99	-99	543	0.77	-99	-99	-99	-99	-99	51	-99	5.4	-99
GS-08-104	7740116	-99	50	-99	28	-99	-100	19	-99	1	2.5	-99	-99	-99	169	6.08	-99	-99	-99	-99	-99	23	-99	19.1	-99
GS-08-136	7740117	-99	31	-99	26	-99	-100	71	-99	13	2.5	-99	-99	-99	491	6.49	-99	-99	-99	-99	-99	14	-99	181.7	-99
GS-08-137	7740118	-99	107	-99	3	-99	-100	2	-99	-1	3.4	-99	-99	-99	259	0.83	-99	-99	-99	-99	-99	50	-99	11.1	-99
GS-08-152	7740119	-99	60	-99	14	-99	-100	35	-99	59	2.5	-99	-99	-99	344	3.31	-99	-99	-99	-99	-99	27	-99	97.3	-99
GS-08-175	7740121	-99	168	160	5	-99	-100	2	2.4	7	6.5	7.5	4.6	1.77	617	2.29	22	8.6	4	11.0	1.5	81	79.6	6.6	0.66
GS-08-176	7740122	-99	162	153	4	-99	-100	2	1.3	12	6.5	7.5	4.3	1.23	311	1.84	20	8.2	4	10.6	1.5	77	75.6	5.6	0.67
GS-08-177	7740123	-99	27	25.1	52	-99	-100	40	5.7	25	4.8	4.2	2.4	1.65	329	8.52	18	4.8	6	2.9	0.8	11	10.1	32.7	0.33
GS-08-179	7740124	-99	70	70.0	46	-99	116	120	2.4	89	5.7	5.4	3.0	2.60	932	8.94	18	7.1	7	2.6	1.0	32	31.5	24.9	0.36
GS-08-180	7740125	-99	10	7.9	47	-99	-100	36	0.6	51	3.6	3.1	2.0	0.81	92	7.44	16	2.9	5	1.5	0.6	3	5.5	15.5	0.26
GS-08-181	7740126	-99	173	154	7	-99	-100	2	1.7	52	7.0	7.7	4.6	1.13	748	2.12	21	8.7	6	10.5	1.5	83	77.7	4.5	0.68
GS-08-182	7740127	-99	182	162	5	-99	-100	2	-0.5	10	7.0	7.6	4.5	0.94	153	1.56	21	8.6	3	10.4	1.5	87	81.0	3.2	0.76
GS-08-183	7740128	-99	45	45.8	31	-99	115	116	0.7	25	4.2	3.6	2.1	1.35	535	6.83	16	4.4	6	2.3	0.7	22	21.6	26.6	0.30
GS-08-184	7740129	-99	179	159	3	-99	-100	1	-0.5	49	6.9	7.4	4.5	0.75	224	1.38	19	8.3	4	8.7	1.5	86	80.2	5.3	0.73
GS-08-185	7740131	-99	190	175	1	-99	-100	1	0.7	5	12.8	14.0	8.8	0.18	136	1.11	29	13.3	5	8.4	2.8	87	83.8	2.9	1.24
GS-08-187	7740132	-99	189	202	1	-99	-100	1	3.1	2	9.1	11.4	6.8	0.50	786	1.16	30	12.1	6	8.4	2.3	93	101	10.9	1.08
GS-08-188	7740133	-99	30	30.9	41	-99	471	473	0.8	45	3.7	3.3	1.7	1.10	252	6.83	14	3.6	4	1.6	0.6	14	13.7	16.5	0.28
GS-08-189	7740134	-99	143	148	40	-99	106	105	1.1	27	5.8	5.9	2.6	3.85	853	8.17	28	9.5	8	4.3	1.1	68	67.2	39.9	0.31
GS-08-190	7740135	-99	204	180	1	-99	-100	1	-0.5	4	8.6	8.9	5.4	0.39	100	0.71	21	9.8	4	6.8	1.8	97	91.4	4.7	0.84
GS-08-191	7740136	-99	154	160	1	-99	-100	-1	0.7	4	6.3	7.6	4.9	0.38	541	1.13	28	8.0	6	7.2	1.5	74	80.9	8.8	0.87
GS-08-193	7740137	-99	228	224	5	-99	-100	4	0.9	5	11.2	12.1	7.0	2.86	685	3.04	32	13.2	8	13.5	2.4	108	109	22.1	1.07
GS-08-195	7740211	-99	85	80.0	1	-99	-100	1	0.8	1	2.8	2.9	2.2	0.22	1952	0.56	19	3.3	3	1.9	0.6	47	47.2	1.5	0.51
GS-08-196	7740138	-99	335	305	7	-99	-100	2	2.0	5	15.7	15.6	9.1	3.00	994	3.70	36	18.0	10	17.7	3.0	160	149	14.9	1.36
GS-08-198	7740139	-99	180	174	-1	-99	-100	1	0.6	3	12.3	14.0	9.1	0.19	1369	0.81	31	13.1	6	10.4	2.9	83	83.5	1.1	1.33
GS-08-199	7740141	-99	220	244	1	-99	-100	1	0.5	5	19.0	21.8	14.6	1.06	293	1.21	35	19.4	7	13.1	4.6	103	119	4.7	2.19
GS-08-201	7740142	-99	165	157	6	-99	-100	2	0.7	10	7.2	7.9	4.8	1.82	302	2.57	26	9.0	6	12.9	1.6	79	77.8	7.7	0.78
GS-08-204	7740143	-99	99	112	28	-99	-100	5	1.4	22	5.8	5.8	3.2	2.19	719	6.75	25	7.3	6	4.3	1.2	48	59.3	26.4	0.49
GS-08-205	7740144	-99	181	168	3	-99	-100	2	0.9	4	7.0	7.9	4.5	1.08	653	1.62	26	8.6	6	9.4	1.5	87	84.3	9.3	0.69
GS-08-206	7740145	-99	138	122	4	-99	-100	2	3.7	3	5.1	5.9	3.7	1.15	1355	1.16	20	6.7	4	6.7	1.2	65	56.8	17.6	0.61
GS-08-207	7740146	-99	168	154	5	-99	-100	2	0.7	6	7.4	7.6	4.5	1.62	535	2.28	25	8.7	5	11.6	1.5	81	78.2	9.2	0.71
GS-08-208	7740147	-99	256	247	2	-99	-100	1	-0.5	6	12.7	14.0	9.1	0.64	601	1.39	34	13.7	7	9.1	2.8	119	119	9.6	1.38
GS-08-209	7740212	-99	313	285	7	-99	-100	2	-0.5	7	14.1	14.6	8.8	2.79	418	3.22	33	17.0	10	14.1	3.0	145	137	7.4	1.27
GS-08-210	7740213	-99	242	228	13	-99	-100	14	0.7	11	13.6	13.7	8.2	2.27	1220	3.85	30	14.4	7	13.3	2.7	113	109	35.7	1.20
GS-08-215	7740148	-99	169	152	5	-99	-100	2	0.7	5	7.2	7.5	4.4	1.54	410	2.37	25	8.5	6	11.0	1.5	82	74.3	6.7	0.70
GS-08-217	7740149	-99	41	36.7	52	-99	116	118	-0.5	126	5.3	4.2	2.5	2.06	375	10.32	20	5.3	5	1.4	0.9	18	15.3	34.6	0.34
GS-08-224	7740151	-99	34	35.0	52	-99	1960	1811	6.1	4	3.1	2.3	1.2	1.05	359	6.74	11	3.2	4	1.8	0.4	16	15.6	48.2	0.18
GS-08-225	7740152	-99	73	71.6	37	-99	-100	74	2.1	62	8.0	7.6	4.6	2.20	723	7.80	22	7.8	5	6.0	1.6	35	33.1	36.0	0.65
GS-08-226	7740153	-99	63	60.2	21	-99	-100	35	1.6	-1	3.6	3.6	2.0	1.85	723	6.04	23	4.3	4	3.9	0.7	30	29.0	56.0	0.35
GS-08-229	7740154	-99	109	104	11	-99	-100	3	0.8	21	6.0	6.6	4.0	1.82	806	2.90	22	7.4	4	8.4	1.3	52	50.1	17.0	0.62
GS-08-233	7740155	-99	102	96.3	25	-99	-100	19	-0.5	25	6.7	6.3	3.4	3.52	655	6.19	23	7.4	5	6.8	1.2	49	45.6	17.6	0.48
GS-08-234	7740156	-99	21	20.8	48	-99	150	153	3.9	79	4.5	3.4	2.1	1.25	243	7.78	15	3.5	4	1.6	0.7	10	8.8	70.0	0.30
GS-08-235	7740157	-99	108	99.5	25	-99	-100	19	-0.5	281	6.8	6.4	3.4	2.95	373	6.47	24	7.7	5	6.9	1.2	51	47.7	23.1	0.50
GS-08-247	7740198	-99	90	-99	2	-99	-100	1	-99	3	4.4	-99	-99	-99	51	1.23	-99	-99	-99	-99	-99	38	-99	2.0	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho	La	La	Li	Lu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.2	1	0.5	1	1	1, 100	1	0.5	1	0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1	1	0.5	0.1	0.05
Analysis Method		ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ISE	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS
GS-08-252B	7740259	-99	40	-99	3	-99	-100	5	-99	39	2.2	-99	-99	-99	531	1.39	-99	-99	-99	-99	-99	24	-99	19.5	-99
GS-08-253	7740199	-99	179	-99	2	-99	-100	1	-99	11	10.6	-99	-99	-99	1087	1.79	-99	-99	-99	-99	-99	82	-99	5.8	-99
GS-08-256	7740201	-99	28	-99	1	-99	-100	3	-99	4	1.2	-99	-99	-99	387	0.81	-99	-99	-99	-99	-99	11	-99	47.7	-99
GS-08-263	7740202	-99	9	9.8	51	-99	-100	2	-0.5	181	6.2	4.7	2.9	1.08	135	11.37	17	4.1	5	2.0	1.0	3	2.2	20.9	0.44
GS-08-282	7740203	-99	211	-99	2	-99	-100	2	-99	1	19.1	-99	-99	-99	135	2.55	-99	-99	-99	-99	-99	93	-99	25.2	-99
GS-08-288	7740204	-99	158	-99	2	-99	-100	2	-99	3	8.5	-99	-99	-99	84	1.42	-99	-99	-99	-99	-99	69	-99	1.7	-99
GS-08-302	7740205	-99	58	-99	66	-99	-100	88	-99	19	9.0	-99	-99	-99	381	11.94	-99	-99	-99	-99	-99	24	-99	28.9	-99
GS-08-304	7740206	-99	93	-99	49	-99	-100	37	-99	25	11.9	-99	-99	-99	617	13.13	-99	-99	-99	-99	-99	37	-99	27.5	-99
GS-08-305	7740207	-99	20	-99	49	-99	-100	40	-99	132	4.2	-99	-99	-99	103	8.31	-99	-99	-99	-99	-99	9	-99	30.7	-99
GS-08-322	7740208	-99	8	-99	43	-99	-100	97	-99	33	6.3	-99	-99	-99	371	10.63	-99	-99	-99	-99	-99	2	-99	20.3	-99
GS-09-009	7740261	-99	34	-99	2	-99	-100	1	-99	26	1.1	-99	-99	-99	93	0.82	-99	-99	-99	-99	-99	15	-99	5.3	-99
GS-09-010	7740262	-99	37	-99	7	-99	-100	2	-99	7	0.5	-99	-99	-99	192	1.66	-99	-99	-99	-99	-99	17	-99	9.9	-99
GS-09-011	7740263	-99	12	-99	42	-99	146	140	-99	5	2.6	-99	-99	-99	25	7.36	-99	-99	-99	-99	-99	3	-99	54.5	-99
GS-09-013	7740307	-99	22	-99	4	-99	-100	1	-99	10	-0.1	-99	-99	-99	213	1.24	-99	-99	-99	-99	-99	16	-99	14.0	-99
GS-09-014	7740308	-99	29	-99	3	-99	-100	1	-99	5	0.3	-99	-99	-99	220	0.86	-99	-99	-99	-99	-99	14	-99	10.9	-99
GS-09-015	7740229	-99	14	-99	50	-99	200	204	-99	33	3.6	-99	-99	-99	172	8.58	-99	-99	-99	-99	-99	2	-99	19.7	-99
GS-09-019	7740231	-99	117	-99	66	-99	-100	58	-99	-1	11.9	-99	-99	-99	951	11.82	-99	-99	-99	-99	-99	51	-99	51.6	-99
GS-09-020	7740264	-99	5	4.7	2	-99	-100	7	-0.5	2	-0.1	0.2	0.2	0.22	60	0.65	9	0.4	1	1.9	0.4	4	2.7	2.7	-0.05
GS-09-022	7740265	-99	17	-99	2	-99	-100	1	-99	3	0.2	-99	-99	-99	225	0.61	-99	-99	-99	-99	-99	11	-99	2.6	-99
GS-09-023	7740266	-99	101	98.1	9	-99	-100	1	-0.5	3	1.4	1.3	0.5	1.00	100	1.55	17	2.6	3	4.4	0.2	57	55.2	6.3	-0.05
GS-09-024	7740267	-99	32	-99	2	-99	-100	2	-99	7	0.8	-99	-99	-99	95	0.79	-99	-99	-99	-99	-99	18	-99	6.0	-99
GS-09-028	7740232	-99	9	-99	5	-99	-100	4	-99	3	0.7	-99	-99	-99	132	1.54	-99	-99	-99	-99	-99	5	-99	5.6	-99
GS-09-035	7740268	-99	48	-99	10	-99	-100	9	-99	-1	0.7	-99	-99	-99	331	2.42	-99	-99	-99	-99	-99	24	-99	22.3	-99
GS-09-036	7740269	-99	19	-99	2	-99	-100	2	-99	2	0.2	-99	-99	-99	113	1.05	-99	-99	-99	-99	-99	10	-99	5.7	-99
GS-09-037	7740233	-99	8	-99	-1	-99	-100	-1	-99	1	0.4	-99	-99	-99	39	0.34	-99	-99	-99	-99	-99	3	-99	1.5	-99
GS-09-041	7740271	-99	73	-99	4	-99	-100	4	-99	5	0.5	-99	-99	-99	169	1.20	-99	-99	-99	-99	-99	42	-99	11.5	-99
GS-09-056	7740234	-99	70	-99	14	-99	-100	14	-99	166	0.9	-99	-99	-99	380	3.29	-99	-99	-99	-99	-99	35	-99	20.2	-99
GS-09-064	7740235	-99	64	-99	11	-99	-100	9	-99	-1	1.0	-99	-99	-99	284	2.32	-99	-99	-99	-99	-99	34	-99	12.5	-99
GS-09-066	7740236	-99	105	-99	18	-99	262	14	-99	-1	2.1	-99	-99	-99	407	3.62	-99	-99	-99	-99	-99	51	-99	24.6	-99
GS-09-067	7740237	-99	19	-99	59	-99	252	244	-99	51	5.2	-99	-99	-99	385	8.52	-99	-99	-99	-99	-99	5	-99	54.6	-99
GS-09-068	7740238	-99	20	-99	51	-99	204	201	-99	62	5.0	-99	-99	-99	354	8.55	-99	-99	-99	-99	-99	6	-99	60.6	-99
GS-09-069	7740272	-99	41	-99	8	-99	-100	3	-99	1	4.3	-99	-99	-99	933	4.28	-99	-99	-99	-99	-99	18	-99	5.9	-99
GS-09-073	7740239	-99	75	-99	18	-99	-100	13	-99	-1	2.6	-99	-99	-99	462	3.58	-99	-99	-99	-99	-99	35	-99	24.4	-99
GS-09-075	7740273	-99	2	-99	-1	-99	-100	-1	-99	9	1.5	-99	-99	-99	27	0.25	-99	-99	-99	-99	-99	2	-99	1.7	-99
GS-09-077	7740274	-99	35	-99	47	-99	103	107	-99	6	4.7	-99	-99	-99	265	8.95	-99	-99	-99	-99	-99	13	-99	19.7	-99
GS-09-079	7740275	-99	20	-99	6	-99	-100	11	-99	4	1.1	-99	-99	-99	189	2.35	-99	-99	-99	-99	-99	9	-99	11.7	-99
GS-09-080	7740241	-99	43	-99	45	-99	106	105	-99	-1	6.3	-99	-99	-99	500	9.58	-99	-99	-99	-99	-99	18	-99	20.7	-99
GS-09-084	7740242	-99	46	-99	58	-99	113	111	-99	7	7.2	-99	-99	-99	340	10.38	-99	-99	-99	-99	-99	18	-99	37.4	-99
GS-09-087	7740276	-99	49	-99	8	-99	-100	11	-99	-1	1.3	-99	-99	-99	121	1.94	-99	-99	-99	-99	-99	28	-99	1.1	-99
GS-09-088	7740277	-99	84	-99	16	-99	-100	31	-99	15	2.4	-99	-99	-99	388	4.44	-99	-99	-99	-99	-99	41	-99	19.8	-99
GS-09-090	7740278	-99	69	-99	16	-99	-100	52	-99	10	2.2	-99	-99	-99	465	4.71	-99	-99	-99	-99	-99	33	-99	22.1	-99
GS-09-091	7740243	-99	51	-99	10	-99	-100	10	-99	19	1.8	-99	-99	-99	118	3.40	-99	-99	-99	-99	-99	26	-99	4.8	-99
GS-09-092	7740244	-99	55	-99	34	-99	-100	93	-99	73	3.7	-99	-99	-99	497	6.07	-99	-99	-99	-99	-99	25	-99	20.9	-99
GS-09-094	7740245	-99	67	-99	19	-99	-100	47	-99	19	2.9	-99	-99	-99	554	5.49	-99	-99	-99	-99	-99	32	-99	22.9	-99
GS-09-095	7740246	-99	80	-99	7	-99	-100	15	-99	-1	2.6	-99	-99	-99	135	2.55	-99	-99	-99	-99	-99	42	-99	3.5	-99
GS-09-098	7740279	-99	143	-99	1	-99	-100	-1	-99	2	6.0	-99	-99	-99	29	1.05	-99	-99	-99	-99	-99	67	-99	3.9	-99
GS-09-099	7740281	-99	57	-99	23	-99	201	163	-99	5	5.1	-99	-99	-99	407	3.93	-99	-99	-99	-99	-99	28	-99	28.5	-99
GS-09-100	7740282	-99	290	-99	3	-99	-100	1	-99	1	11.5	-99	-99	-99	41	1.34	-99	-99	-99	-99	-99	139	-99	1.1	-99
GS-09-101	7740247	-99	214	-99	5	-99	-100	-1	-99	-1	9.8	-99	-99	-99	96	2.97	-99	-99	-99	-99	-99	102	-99	1.9	-99
GS-09-111	7740283	-99	10	-99	34	-99	145	147	-99	518	2.0	-99	-99	-99	347	6.80	-99	-99	-99	-99	-99	2	-99	21.7	-99
GS-09-112	7740284	-99	33	-99	16	-99	102	99	-99	277	2.6	-99	-99	-99	202	13.61	-99	-99	-99	-99	-99	8	-99	18.7	-99
GS-09-114	7740285	-99	33	-99	58	-99	-100	21	-99	43	5.5	-99	-99	-99	292	14.99	-99	-99	-99	-99	-99	6	-99	37.2	-99
GS-09-118	7740248	-99	99	-99	58	-99	-100	35	-99	19	12.5	-99	-99	-99	546	13.15	-99	-99	-99	-99	-99	40	-99	28.4	-99
GS-09-127	7740286	-99	159	-99	2	-99	-100	-1	-99	-1	6.0	-99	-99	-99	657	0.80	-99	-99	-99	-99	-99	77	-99	7.8	-99
GS-09-128	7740249	-99	34	-99	57	-99	1743	1218	-99	1	2.5	-99	-99	-99	2054	6.03	-99	-99	-99	-99	-99	13	-99	85.6	-99
GS-09-129	7740251	-99	32	-99	40	-99	300	280	-99	3	4.0	-99	-99	-99	1094	6.34	-99	-99	-99	-99	-99	13	-99	92.8	-99
GS-09-134	7740287	-99	148	-99	1	-99	-100	-1	-99	-1	4.6	-99	-99	-99	262	0.70	-99	-99	-99	-99	-99	73	-99	9.6	-99
GS-09-137	7740288	-99	13	-99	48	-99	228	216	-99	151	3.1	-99	-99	-99	266	7.70	-99	-99	-99	-99	-99	1	-99	94.7	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho	La	La	Li	Lu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.2	1	0.5	1	1	1, 100	1	0.5	1	0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1	1	0.5	0.1	0.05
Analysis Method		ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ISE	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS
GS-09-148	7740252	-99	11	-99	48	-99	124	127	-99	124	3.2	-99	-99	-99	64	8.16	-99	-99	-99	-99	-99	2	-99	40.6	-99
GS-09-150	7740289	-99	21	-99	7	-99	-100	6	-99	-1	-0.1	-99	-99	-99	179	1.76	-99	-99	-99	-99	-99	11	-99	27.3	-99
GS-09-151	7740291	-99	16	-99	5	-99	-100	21	-99	20	1.5	-99	-99	-99	327	2.72	-99	-99	-99	-99	-99	10	-99	22.7	-99
GS-09-152	7740292	-99	13	-99	4	-99	-100	14	-99	5	0.5	-99	-99	-99	301	1.53	-99	-99	-99	-99	-99	8	-99	7.5	-99
GS-09-155	7740293	-99	10	-99	3	-99	-100	14	-99	5	0.8	-99	-99	-99	751	0.87	-99	-99	-99	-99	-99	7	-99	13.0	-99
GS-09-157	7740294	-99	16	-99	2	-99	-100	19	-99	5	12.8	-99	-99	-99	2088	1.74	-99	-99	-99	-99	-99	36	-99	18.7	-99
GS-09-158	7740295	-99	26	-99	12	-99	-100	14	-99	3	1.1	-99	-99	-99	221	2.07	-99	-99	-99	-99	-99	14	-99	6.9	-99
GS-09-159	7740296	-99	20	-99	5	-99	-100	16	-99	5	7.1	-99	-99	-99	1260	2.50	-99	-99	-99	-99	-99	17	-99	17.7	-99
GS-09-164	7740297	-99	46	-99	41	-99	-100	-1	-99	7	9.3	-99	-99	-99	298	13.05	-99	-99	-99	-99	-99	11	-99	16.6	-99
GS-09-165	7740298	-99	38	-99	30	-99	127	127	-99	663	3.3	-99	-99	-99	410	17.30	-99	-99	-99	-99	-99	9	-99	16.6	-99
GS-09-167	7740253	-99	36	-99	60	-99	-100	23	-99	32	7.4	-99	-99	-99	174	10.62	-99	-99	-99	-99	-99	13	-99	15.7	-99
GS-09-172	7740254	-99	101	-99	67	-99	-100	26	-99	10	14.0	-99	-99	-99	764	12.90	-99	-99	-99	-99	-99	44	-99	14.8	-99
GS-09-177	7740299	-99	5	9.2	48	-99	-100	62	3.6	11	4.1	3.8	2.1	1.01	314	8.48	14	3.2	4	1.3	0.7	3	4.0	53.1	0.33
GS-09-185	7740255	-99	12	5.1	36	-99	354	344	0.8	-1	3.7	3.0	2.0	0.66	176	8.05	11	2.5	4	1.3	0.7	2	1.7	15.9	0.28
GS-09-188	7740256	-99	52	-99	25	-99	-100	7	-99	-1	3.0	-99	-99	-99	505	5.46	-99	-99	-99	-99	-99	23	-99	100.2	-99
GS-09-189	7740257	-99	131	122	6	-99	-100	8	0.9	33	2.1	2.0	1.0	0.63	138	1.35	15	3.0	3	3.7	0.4	70	63.9	4.3	0.17
GS-09-193	7740301	-99	112	-99	10	-99	-100	42	-99	-1	3.4	-99	-99	-99	212	2.10	-99	-99	-99	-99	-99	50	-99	0.9	-99
GS-09-194	7740258	-99	92	-99	14	-99	101	91	-99	2	5.6	-99	-99	-99	362	3.30	-99	-99	-99	-99	-99	43	-99	6.7	-99
GS-09-197	7740302	-99	17	-99	39	-99	162	176	-99	239	2.9	-99	-99	-99	254	7.00	-99	-99	-99	-99	-99	11	-99	9.0	-99
GS-09-199	7740303	-99	33	-99	48	-99	158	167	-99	267	4.4	-99	-99	-99	629	9.17	-99	-99	-99	-99	-99	13	-99	19.7	-99
GS-09-200	7740304	-99	14	-99	35	-99	131	142	-99	72	3.1	-99	-99	-99	739	7.75	-99	-99	-99	-99	-99	10	-99	9.9	-99
GS-09-201	7740305	-99	149	140	4	-99	-100	10	-0.5	66	2.4	2.2	1.4	0.54	139	1.15	17	3.4	3	3.9	0.4	78	71.5	7.2	0.22
GS-09-222	7740306	-99	13	-99	45	-99	199	229	-99	221	2.1	-99	-99	-99	67	6.73	-99	-99	-99	-99	-99	3	-99	30.6	-99
GS-14-001	7740903	-0.2	15	14.6	-99	7	20	-99	-0.5	3	0.7	0.7	0.4	0.38	167	-99	18	1.0	1	2.1	0.1	-99	8.7	10.4	0.06
GS-14-002	7740904	-0.2	19	18.5	-99	49	106	-99	1.6	48	3.5	3.5	2.1	1.00	226	-99	17	3.3	3	1.9	0.7	-99	9.4	31.0	0.32
GS-14-006	7740905	-0.2	9	9.0	-99	-1	2	-99	0.6	25	0.2	0.2	-0.1	0.47	24	-99	13	0.4	-1	1.7	-0.1	-99	5.9	0.7	-0.05
GS-14-007	7740906	-0.2	90	90.3	-99	8	2	-99	0.7	11	1.6	1.6	0.6	1.20	330	-99	24	2.9	3	4.7	0.2	-99	48.3	11.8	0.05
GS-14-011	7740907	0.4	129	129	-99	43	56	-99	-0.5	7	12.9	12.9	6.9	3.66	1265	-99	28	14.2	6	9.4	2.5	-99	58.1	56.7	0.93
GS-14-019	7740908	-0.2	26	25.5	-99	17	-1	-99	1.6	2	2.4	2.4	1.4	1.06	464	-99	23	2.8	2	1.6	0.5	-99	14.0	27.8	0.18
GS-14-020	7740909	-0.2	36	36.3	-99	1	3	-99	1.0	4	1.6	1.6	1.1	0.64	172	-99	20	1.9	2	3.6	0.3	-99	20.2	2.1	0.23
GS-14-033	7740911	-0.2	63	63.1	-99	51	57	-99	1.1	3	7.1	7.1	3.8	3.08	1009	-99	31	8.6	3	2.9	1.4	-99	28.9	107.7	0.51
GS-14-035	7740912	-0.2	60	60.2	-99	25	26	-99	-0.5	3	2.4	2.4	1.2	1.14	521	-99	19	2.9	2	2.5	0.5	-99	35.2	34.4	0.19
GS-14-038	7740913	-0.2	51	50.5	-99	60	59	-99	1.7	7	7.9	7.9	4.3	2.87	1064	-99	29	9.3	4	3.1	1.5	-99	22.5	62.2	0.57
GS-14-039	7740914	-0.2	21	21.0	-99	1	3	-99	0.6	11	0.5	0.5	0.3	0.37	86	-99	16	0.9	1	2.2	-0.1	-99	12.4	7.6	-0.05
GS-14-040	7740915	-0.2	8	8.5	-99	2	3	-99	0.6	7	0.3	0.3	0.1	0.38	70	-99	15	0.4	1	2.0	-0.1	-99	6.2	6.6	-0.05
GS-14-043	7740917	-0.2	38	37.6	-99	26	56	-99	1.0	14	2.7	2.7	1.5	1.35	548	-99	18	3.2	2	2.5	0.5	-99	18.8	26.5	0.23
GS-14-049	7740918	-0.2	5	4.9	-99	38	131	-99	0.5	127	3.2	3.2	2.1	0.61	202	-99	11	2.5	2	1.1	0.7	-99	2.2	36.1	0.31
GS-14-054	7740919	-0.2	7	6.6	-99	54	191	-99	-0.5	107	2.9	2.9	1.9	0.53	203	-99	14	2.3	3	1.3	0.6	-99	5.8	48.8	0.28
GS-14-057	7741001	-0.2	12	11.9	-99	38	45	-99	-0.5	42	4.4	4.4	2.3	0.75	175	-99	10	3.8	2	1.4	0.7	-99	6.6	5.1	0.48
GS-14-060	7740921	-0.2	99	99.1	-99	2	25	-99	1.0	3	5.8	5.8	3.9	0.98	486	-99	19	6.0	3	6.6	1.2	-99	52.5	3.1	0.58
GS-14-063	7740922	-0.2	16	16.3	-99	37	8	-99	-0.5	106	7.2	7.2	4.5	1.49	416	-99	18	5.9	3	3.1	1.5	-99	6.5	23.8	0.63
GS-14-064	7740923	-0.2	175	175	-99	26	-1	-99	0.7	4	11.0	11.0	4.9	5.53	1316	-99	40	14.6	5	12.7	1.9	-99	81.5	23.5	0.51
GS-14-065	7741002	-0.2	16	15.9	-99	44	14	-99	-0.5	33	4.5	4.5	2.3	1.25	252	-99	19	3.9	-1	1.6	0.8	-99	7.7	17.0	0.40
GS-14-067	7740924	-0.2	12	11.9	-99	53	1063	-99	2.0	6	1.6	1.6	0.9	0.57	670	-99	12	1.7	1	1.0	0.3	-99	6.1	42.9	0.13
GS-14-076	7740925	-0.2	6	5.8	-99	42	172	-99	-0.5	112	2.8	2.8	1.9	0.58	180	-99	12	2.3	2	1.1	0.6	-99	3.0	21.1	0.26
GS-14-077	7740926	-0.2	52	51.7	-99	41	3	-99	1.3	65	6.2	6.2	3.2	2.63	725	-99	20	7.4	3	2.6	1.2	-99	23.6	18.8	0.46
GS-14-078	7740927	-0.2	10	10.4	-99	65	123	-99	0.5	90	4.7	4.7	3.0	1.15	106	-99	14	4.1	2	2.1	1.0	-99	6.0	21.6	0.46
GS-14-088	7740928	-0.2	49	49.3	-99	51	7	-99	1.6	84	6.0	6.0	3.2	2.51	637	-99	20	7.1	4	2.3	1.1	-99	22.4	15.3	0.42
GS-14-090	7740929	-0.2	7	7.0	-99	44	202	-99	-0.5	127	2.9	2.9	1.9	0.75	94	-99	17	2.7	3	1.4	0.7	-99	4.1	17.8	0.33
GS-14-091	7740931	-0.2	24	23.8	-99	42	34	-99	2.0	86	4.3	4.3	2.4	1.42	191	-99	16	4.3	3	1.7	0.9	-99	12.9	25.9	0.31
GS-14-092	7740932	0.2	5	4.6	-99	3	2	-99	-0.5	6	0.4	0.4	0.2	0.21	121	-99	14	0.5	1	1.6	-0.1	-99	3.4	8.3	-0.05
GS-14-094	7740933	-0.2	2	1.9	-99	7	4	-99	-0.5	7	0.3	0.3	0.2	0.17	169	-99	19	0.5	1	2.8	-0.1	-99	2.4	14.2	0.09
GS-14-095	7740934	-0.2	31	30.8	-99	4	4	-99	-0.5	8	0.9	0.9	0.4	0.47	169	-99	17	1.4	1	3.5	0.2	-99	17.8	10.8	-0.05
GS-14-096	7740935	-0.2	14	14.2	-99	51	147	-99	-0.5	16	4.6	4.6	2.7	0.97	359	-99	22	3.7	2	1.5	0.9	-99	8.7	31.6	0.43
GS-14-097	7740936	-0.2	6	6.1	-99	43	193	-99	-0.5	15	4.9	4.9	3.2	0.65	370	-99	21	3.6	2	2.3	1.1	-99	4.6	43.9	0.49
GS-14-099	7740937	0.3	7	7.0	-99	102	1621	-99	-0.5	15	1.7	1.7	0.9	0.62	476	-99	12	1.8	3	1.0	0.3	-99	6.3	16.8	0.12
GS-14-101	7740938	-0.2	64	64.0	-99	4	6	-99	-0.5	5	0.8	0.8	0.3	0.50	236	-99	16	1.4	1	3.1	0.1	-99	32.7	9.2	0.06
GS-14-105	7740939	-0.2	111	111	-99	54	55	-99	0.8	4	11.7	11.7	6.6	3.04	970	-99	40	12.1	4	9.1	2.3	-99	49.9	61.7	0.88

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho	La	La	Li	Lu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.2	1	0.5	1	1	1, 100	1	0.5	1	0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1	1	0.5	0.1	0.05
Analysis Method		ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ISE	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS
GS-14-106	7740941	-0.2	55	54.9	-99	12	22	-99	-0.5	4	2.5	2.5	1.2	0.74	327	-99	23	3.7	2	3.9	0.5	-99	28.5	12.8	0.14
GS-14-107	7740942	-0.2	33	33.2	-99	41	52	-99	-0.5	222	3.9	3.9	2.2	1.29	360	-99	23	4.1	2	2.6	0.8	-99	16.9	24.6	0.33
GS-14-109	7740943	0.2	5	5.0	-99	42	199	-99	0.6	93	2.2	2.2	1.5	0.40	658	-99	14	1.8	1	1.3	0.5	-99	2.9	38.6	0.22
GS-14-112	7740944	0.2	34	33.9	-99	8	12	-99	-0.5	9	13.6	13.6	11.0	2.04	953	-99	11	12.1	2	4.8	2.5	-99	21.9	9.3	12.37
GS-14-113	7740945	0.2	12	11.7	-99	57	157	-99	-0.5	205	2.7	2.7	1.7	0.77	209	-99	10	2.5	3	1.3	0.6	-99	6.8	6.1	0.24
GS-14-114	7740946	0.3	5	5.0	-99	40	101	-99	-0.5	15	2.0	2.0	1.3	0.54	42	-99	9	1.8	2	0.7	0.4	-99	5.8	1.8	0.24
GS-14-115	7740947	-0.2	6	5.8	-99	36	189	-99	1.6	143	3.0	3.0	1.9	0.62	449	-99	9	2.5	1	1.4	0.6	-99	2.2	25.4	0.32
GS-14-116	7740948	-0.2	45	45.2	-99	45	3	-99	2.0	77	5.7	5.7	3.0	2.29	708	-99	20	6.6	3	2.2	1.1	-99	19.4	15.4	0.35
GS-14-118	7740949	0.3	5	5.1	-99	30	99	-99	-0.5	515	2.2	2.2	1.4	0.47	57	-99	11	1.8	1	1.4	0.5	-99	4.7	0.9	0.24
GS-14-120	7740951	0.4	6	6.2	-99	33	99	-99	-0.5	18	2.9	2.9	2.0	0.63	77	-99	13	2.3	1	2.0	0.6	-99	2.4	4.6	0.28
GS-14-128	7740952	-0.2	5	4.7	-99	39	170	-99	-0.5	121	2.2	2.2	1.6	0.51	230	-99	11	1.9	2	1.0	0.5	-99	1.9	26.3	0.20
GS-14-129	7740953	-0.2	43	42.9	-99	27	281	-99	1.7	58	2.6	2.6	1.3	1.24	405	-99	18	3.3	2	2.6	0.5	-99	20.9	16.6	0.19
GS-14-130	7740954	-0.2	55	54.7	-99	3	5	-99	0.9	5	1.4	1.4	0.7	0.63	302	-99	18	2.0	2	3.5	0.3	-99	29.2	6.9	0.09
GS-14-131	7740955	-0.2	40	39.8	-99	36	886	-99	1.7	54	1.9	1.9	1.1	0.82	470	-99	15	2.9	2	2.4	0.4	-99	19.5	12.5	0.14
GS-14-132	7740956	-0.2	15	14.7	-99	85	2626	-99	1.4	37	0.9	0.9	0.5	0.41	153	-99	6	1.3	3	0.7	0.2	-99	7.6	10.7	0.09
GS-14-135	7740957	-0.2	21	21.0	-99	59	1665	-99	1.4	37	2.0	2.0	1.1	0.71	344	-99	9	2.3	1	1.3	0.4	-99	9.4	21.4	0.16
GS-14-142	7740958	0.2	5	5.2	-99	40	217	-99	1.1	137	3.0	3.0	1.9	0.51	178	-99	15	2.2	2	1.4	0.6	-99	2.2	84.3	0.30
GS-14-160	7740963	-0.2	63	63.3	-99	3	8	-99	-0.5	3	4.3	4.3	3.0	0.85	126	-99	16	4.9	2	4.9	1.0	-99	30.9	4.1	0.44
GS-14-161	7741003	-0.2	79	79.3	-99	6	20	-99	3.9	8	4.7	4.7	3.1	1.20	283	-99	14	4.4	5	7.0	1.1	-99	41.5	30.9	0.36
GS-14-169	7740964	-0.2	83	82.9	-99	3	5	-99	1.1	6	2.5	2.5	1.4	0.73	630	-99	21	3.1	2	4.7	0.4	-99	43.6	13.5	0.20
GS-14-170	7740965	-0.2	87	87.4	-99	4	6	-99	1.0	5	2.9	2.9	1.6	0.79	618	-99	21	3.2	3	5.7	0.5	-99	44.2	15.7	0.29
GS-14-171	7740966	-0.2	49	48.5	-99	7	13	-99	0.8	4	1.0	1.0	0.5	0.79	411	-99	21	1.8	1	5.1	0.2	-99	23.8	12.2	0.07
GS-14-172	7740967	-0.2	83	83.2	-99	2	15	-99	0.7	5	2.6	2.6	1.4	0.55	115	-99	14	3.4	2	3.3	0.5	-99	40.8	2.8	0.22
GS-14-173	7740968	0.3	23	22.7	-99	38	66	-99	0.7	156	3.7	3.7	2.5	1.12	315	-99	17	3.6	2	2.3	0.8	-99	10.1	8.1	0.34
GS-14-174	7740969	-0.2	108	108	-99	-1	2	-99	-0.5	8	2.4	2.4	1.2	1.05	175	-99	16	3.1	2	5.1	0.5	-99	55.7	1.5	0.21
GS-14-176	7740971	0.4	19	19.2	-99	11	11	-99	-0.5	11	5.7	5.7	4.1	1.06	333	-99	17	5.5	2	5.4	1.3	-99	7.1	29.9	0.56
GS-14-177	7740972	-0.2	5	4.6	-99	40	425	-99	10.8	108	2.8	2.8	1.7	0.62	264	-99	16	2.2	2	0.9	0.5	-99	2.1	38.2	0.23
GS-14-180	7740973	-0.2	63	63.3	-99	-1	-1	-99	4.2	4	2.0	2.0	1.1	0.70	727	-99	13	2.8	2	4.0	0.4	-99	32.4	25.2	0.20
GS-14-181	7740974	-0.2	6	5.8	-99	43	154	-99	101	173	3.2	3.2	2.1	0.67	1137	-99	15	2.7	2	1.4	0.7	-99	2.9	198.9	0.34
GS-14-182	7741004	-0.2	52	52.0	-99	34	87	-99	11.1	96	3.0	3.0	1.6	0.94	982	-99	18	3.2	6	2.6	0.5	-99	28.6	124.6	0.20
GS-14-184	7740975	-0.2	30	29.6	-99	8	13	-99	-0.5	4	1.1	1.1	0.4	0.64	251	-99	16	1.3	2	4.0	0.2	-99	12.7	9.7	-0.05
GS-14-186	7740976	-0.2	25	25.1	-99	4	6	-99	-0.5	5	0.4	0.4	0.1	0.59	311	-99	22	0.9	1	3.5	-0.1	-99	15.8	9.9	-0.05
GS-14-188	7740977	0.3	50	49.9	-99	8	77	-99	2.0	76	2.5	2.5	1.4	1.05	308	-99	18	2.9	1	12.5	0.5	-99	26.6	21.2	0.24
GS-14-192	7740978	-0.2	35	34.7	-99	9	7	-99	0.7	46	2.3	2.3	1.1	1.03	370	-99	22	3.2	-1	6.1	0.4	-99	14.6	28.0	0.18
GS-14-197	7740979	-0.2	25	25.4	-99	45	1228	-99	1.4	47	2.5	2.5	1.3	0.75	230	-99	14	2.9	1	1.9	0.5	-99	12.1	23.4	0.23
GS-14-198	7740981	-0.2	30	29.9	-99	40	910	-99	0.9	69	2.7	2.7	1.4	0.91	262	-99	9	2.8	5	2.0	0.5	-99	15.8	26.1	0.27
GS-14-199	7740982	0.4	91	90.9	-99	3	4	-99	3.5	5	4.2	4.2	2.6	0.70	299	-99	18	4.7	5	7.3	0.8	-99	46.7	15.5	0.37
GS-14-200	7740983	-0.2	97	97.0	-99	-1	1	-99	2.0	2	4.4	4.4	2.7	0.30	185	-99	13	4.7	6	5.6	0.7	-99	48.0	2.8	0.49
GS-14-201	7740984	-0.2	122	122	-99	-1	3	-99	2.5	3	5.4	5.4	3.0	0.61	148	-99	13	5.8	2	6.4	1.1	-99	59.2	2.2	0.69
GS-14-203	7740985	-0.2	97	97.0	-99	-1	2	-99	3.3	3	4.9	4.9	2.9	0.75	451	-99	16	4.7	2	5.1	1.0	-99	50.6	4.7	0.45
GS-14-220	7740986	-0.2	153	153	-99	2	2	-99	-0.5	5	8.5	8.5	4.8	1.67	304	-99	22	8.7	3	13.0	1.7	-99	74.7	9.8	0.72
GS-14-227	7740987	-0.2	59	59.3	-99	3	12	-99	1.3	1	1.1	1.1	0.7	0.89	793	-99	18	2.2	3	3.4	0.2	-99	30.6	17.9	0.08
GS-14-230	7740988	0.4	281	281	-99	4	4	-99	-0.5	23	15.8	15.8	9.2	2.74	391	-99	32	19.2	1	17.6	3.3	-99	135	4.9	1.23
GS-14-232	7740989	-0.2	226	226	-99	21	4	-99	-0.5	4	11.4	11.4	7.1	1.45	336	-99	19	12.4	5	10.4	2.5	-99	111	9.8	1.05
GS-14-245	7740991	-0.2	20	19.7	-99	72	1810	-99	3.5	59	1.9	1.9	1.0	0.65	134	-99	6	1.8	2	1.1	0.3	-99	9.6	21.7	0.14
GS-14-246	7740992	-0.2	103	103	-99	9	5	-99	1.1	27	5.3	5.3	3.9	1.67	751	-99	21	6.1	1	10.4	1.2	-99	48.3	12.5	0.52
GS-14-247	7740993	-0.2	30	29.9	-99	42	870	-99	1.8	49	2.4	2.4	1.5	0.75	292	-99	11	2.5	2	1.9	0.5	-99	14.3	16.3	0.21
GS-14-249	7740994	-0.2	134	134	-99	-1	2	-99	1.1	11	7.9	7.9	5.2	0.31	50	-99	9	8.1	6	6.3	1.9	-99	66.9	1.7	0.78
GS-14-252	7740995	-0.2	287	287	-99	5	3	-99	-0.5	6	15.7	15.7	8.4	2.99	830	-99	25	17.7	5	15.6	3.4	-99	141	3.8	1.45
GS-15-015	7741017	-0.2	-99	58.3	-99	7	43	-99	-0.5	2	-99.0	2.7	1.6	0.95	258	-99	15	3.2	3	3.8	0.5	-99	30.4	1.0	0.26
GS-15-016	7741018	0.2	-99	179	-99	1	2	-99	-0.5	4	-99.0	6.6	3.9	1.14	38	-99	19	8.4	3	8.6	1.3	-99	90.1	-0.1	0.65
GS-15-017	7741019	-0.2	-99	64.4	-99	13	29	-99	1.1	2	-99.0	3.7	2.2	1.10	471	-99	17	3.5	2	5.0	0.7	-99	31.4	9.4	0.33
GS-15-018	7741021	0.3	-99	168	-99	3	4	-99	-0.5	13	-99.0	7.1	3.7	1.55	52	-99	21	9.2	3	10.7	1.3	-99	82.7	0.7	0.56
GS-15-019	7741022	-0.2	-99	72.4	-99	91	771	-99	1.8	192	-99.0	6.1	2.3	3.18	758	-99	20	9.2	6	7.5	1.0	-99	29.7	27.8	0.19
GS-15-020	7741023	-0.2	-99	5.2	-99	38	176	-99	0.8	108	-99.0	2.6	1.6	0.64	569	-99	10	2.1	3	1.3	0.5	-99	2.0	24.8	0.24
GS-15-022	7741024	-0.2	-99	16.2	-99	37	523	-99	0.7	58	-99.0	1.9	1.2	0.74	369	-99	12	2.2	3	1.1	0.4	-99	7.6	30.7	0.17
GS-15-027	7741025	-0.2	-99	18.8	-99	46	31	-99	1.3	120	-99.0	3.6	1.9	1.27	150	-99	17	3.5	4	1.5	0.7	-99	8.1	21.4	0.28
GS-15-029	7741026	-0.2	-99	46.1	-99	44	-1	-99	1.5	56	-99.0	5.6	3.1	2.49	559	-99	18	7.0	5	2.3	1.1	-99	19.7	15.2	0.39

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho	La	La	Li	Lu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.2	1	0.5	1	1	1, 100	1	0.5	1	0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1	1	0.5	0.1	0.05
Analysis Method		ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ISE	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS
GS-15-032	7741027	-0.2	-99	4.2	-99	32	246	-99	1.1	4	-99.0	2.3	1.6	0.50	91	-99	13	2.0	2	1.1	0.5	-99	1.6	65.9	0.22
GS-15-033	7741028	-0.2	-99	4.5	-99	41	271	-99	0.6	124	-99.0	2.6	1.6	0.54	56	-99	11	2.0	3	1.0	0.5	-99	1.5	28.9	0.25
GS-15-034	7741029	-0.2	-99	5.0	-99	36	97	-99	0.7	7	-99.0	2.4	1.4	0.57	262	-99	11	2.0	3	1.2	0.5	-99	2.1	15.7	0.28
GS-15-035	7741159	-0.2	-99	2.6	-99	38	75	-99	1.3	3	-99.0	2.0	1.2	0.39	616	-99	12	1.4	3	0.6	0.4	-99	1.0	21.8	0.25
GS-15-039	7741031	-0.2	-99	3.0	-99	39	75	-99	-0.5	8	-99.0	2.0	1.3	0.47	93	-99	16	1.8	3	1.1	0.4	-99	1.1	2.5	0.22
GS-15-041	7741032	-0.2	-99	31.1	-99	32	52	-99	-0.5	3	-99.0	2.2	1.1	1.04	369	-99	16	2.6	3	1.8	0.4	-99	14.7	30.1	0.17
GS-15-043	7741033	-0.2	-99	5.3	-99	38	182	-99	-0.5	129	-99.0	2.7	1.9	0.57	62	-99	11	2.4	4	1.1	0.6	-99	2.1	33.3	0.30
GS-15-046	7741034	-0.2	-99	86.7	-99	91	845	-99	2.9	193	-99.0	6.9	2.5	3.07	762	-99	22	10.1	7	8.0	1.1	-99	35.4	15.9	0.21
GS-15-048	7741035	-0.2	-99	15.0	-99	73	1819	-99	1.2	28	-99.0	1.5	0.7	0.69	156	-99	8	2.0	4	1.0	0.3	-99	6.1	20.8	0.09
GS-15-049	7741036	-0.2	-99	6.0	-99	50	136	-99	0.8	126	-99.0	3.2	2.0	0.47	477	-99	15	2.7	4	1.3	0.6	-99	2.4	33.7	0.31
GS-15-051	7741037	-0.2	-99	37.7	-99	43	80	-99	0.5	63	-99.0	6.3	3.7	2.01	558	-99	16	6.6	4	3.6	1.2	-99	15.7	18.5	0.71
GS-15-053	7741038	-0.2	-99	21.2	-99	36	19	-99	1.1	166	-99.0	7.5	4.8	1.01	281	-99	21	6.9	5	4.7	1.7	-99	7.8	32.1	0.86
GS-15-054	7741039	-0.2	-99	3.2	-99	37	62	-99	-0.5	4	-99.0	2.0	1.3	0.50	115	-99	12	1.7	3	1.0	0.5	-99	1.7	3.1	0.22
GS-15-055	7741041	-0.2	-99	3.0	-99	36	60	-99	-0.5	3	-99.0	2.0	1.4	0.42	113	-99	12	1.6	3	0.9	0.5	-99	1.4	2.8	0.20
GS-15-056	7741042	-0.2	-99	4.0	-99	28	110	-99	-0.5	6	-99.0	2.1	1.4	0.44	83	-99	10	1.7	3	1.2	0.5	-99	1.6	2.9	0.19
GS-15-057	7741043	-0.2	-99	5.4	-99	43	217	-99	-0.5	137	-99.0	3.0	1.8	0.51	62	-99	11	2.4	4	1.3	0.6	-99	2.1	15.2	0.29
GS-15-061	7741044	-0.2	-99	36.9	-99	27	263	-99	0.5	5	-99.0	2.0	1.2	0.89	250	-99	15	2.4	3	1.7	0.4	-99	18.4	6.0	0.19
GS-15-062	7741045	-0.2	-99	49.0	-99	4	5	-99	1.2	4	-99.0	1.3	0.7	0.63	346	-99	15	2.0	2	3.9	0.2	-99	29.2	29.3	0.11
GS-15-063	7741046	-0.2	-99	118	-99	-1	-1	-99	-0.5	2	-99.0	6.6	4.3	0.24	19	-99	21	6.7	3	6.8	1.3	-99	51.5	-0.1	0.67
GS-15-064	7741047	-0.2	-99	10.4	-99	-1	3	-99	3.3	4	-99.0	5.0	4.3	0.12	132	-99	17	3.4	2	5.0	1.2	-99	3.9	8.5	0.91
GS-15-065	7741048	-0.2	-99	178	-99	2	3	-99	0.6	6	-99.0	8.9	5.2	1.88	94	-99	21	10.5	5	11.9	1.8	-99	81.1	4.9	0.85
GS-15-066	7741049	-0.2	-99	12.1	-99	21	255	-99	-0.5	8	-99.0	1.5	0.9	0.42	254	-99	13	1.3	2	1.6	0.4	-99	7.2	17.1	0.16
GS-15-068	7741051	-0.2	-99	73.6	-99	3	-1	-99	-0.5	3	-99.0	6.5	4.0	1.43	132	-99	22	6.5	3	10.9	1.3	-99	33.5	1.6	0.60
GS-15-069	7741052	-0.2	-99	158	-99	4	4	-99	1.0	4	-99.0	8.4	4.9	1.95	534	-99	24	9.5	4	11.5	1.7	-99	82.3	7.5	0.83
GS-15-070	7741053	-0.2	-99	128	-99	26	83	-99	0.6	19	-99.0	5.6	2.3	3.42	1216	-99	22	8.6	5	3.7	1.0	-99	58.8	28.9	0.28
GS-15-072	7741055	0.2	-99	120	-99	2	3	-99	-0.5	6	-99.0	7.6	4.3	1.57	191	-99	20	8.3	3	11.0	1.5	-99	49.8	5.0	0.66
GS-15-073	7741056	-0.2	-99	117	-99	2	3	-99	-0.5	8	-99.0	6.8	4.2	1.64	271	-99	22	7.0	3	10.9	1.4	-99	53.5	3.3	0.70
GS-15-074	7741057	-0.2	-99	185	-99	-1	3	-99	-0.5	3	-99.0	8.6	5.3	0.41	32	-99	24	9.9	4	7.6	1.7	-99	100	0.3	0.77
GS-15-075	7741058	0.3	-99	140	-99	5	4	-99	-0.5	7	-99.0	10.5	6.8	2.10	293	-99	23	9.5	4	10.9	2.2	-99	59.1	1.3	0.93
GS-15-076	7741059	-0.2	-99	135	-99	3	7	-99	-0.5	7	-99.0	7.5	4.4	1.81	293	-99	21	8.0	4	9.8	1.5	-99	67.4	2.1	0.70
GS-15-077	7741061	0.2	-99	242	-99	-1	3	-99	-0.5	13	-99.0	17.3	10.9	1.84	204	-99	26	17.5	6	13.2	3.5	-99	120	1.5	1.57
GS-15-078	7741062	-0.2	-99	113	-99	3	5	-99	-0.5	4	-99.0	7.6	5.1	1.41	182	-99	23	7.8	3	10.9	1.6	-99	49.9	-0.1	0.89
GS-15-082	7741063	-0.2	-99	135	-99	3	3	-99	0.8	7	-99.0	6.8	4.0	1.24	256	-99	22	7.6	4	10.9	1.4	-99	68.6	3.4	0.64
GS-15-083	7741064	-0.2	-99	161	-99	2	3	-99	1.8	3	-99.0	7.9	4.5	1.60	266	-99	20	8.8	4	9.1	1.5	-99	72.7	16.5	0.61
GS-15-084	7741065	-0.2	-99	167	-99	2	2	-99	1.0	8	-99.0	7.7	4.7	1.83	217	-99	23	9.6	5	12.3	1.5	-99	90.7	2.6	0.67
GS-15-085	7741066	-0.2	-99	162	-99	2	3	-99	1.8	10	-99.0	8.2	4.7	1.38	443	-99	23	9.3	5	11.0	1.6	-99	82.7	3.4	0.83
GS-15-086	7741067	-0.2	-99	170	-99	23	71	-99	2.1	26	-99.0	6.3	3.1	3.38	973	-99	23	9.0	5	6.7	1.1	-99	83.8	21.1	0.42
GS-15-087	7741068	-0.2	-99	69.4	-99	2	7	-99	1.8	95	-99.0	3.3	2.4	0.54	208	-99	16	3.6	2	3.9	0.7	-99	36.8	2.9	0.46
GS-15-090	7741069	0.2	-99	132	-99	4	4	-99	0.8	4	-99.0	9.8	5.9	2.67	355	-99	23	10.2	4	11.9	2.0	-99	58.9	-0.1	0.90
GS-15-091	7741071	-0.2	-99	183	-99	2	4	-99	0.6	22	-99.0	9.8	6.0	2.38	237	-99	24	10.8	4	12.2	2.0	-99	82.2	-0.1	0.92
GS-15-092	7741072	-0.2	-99	136	-99	-1	5	-99	0.7	6	-99.0	6.6	4.1	0.70	215	-99	21	7.0	3	8.9	1.3	-99	49.0	2.0	0.65
GS-15-093	7741073	-0.2	-99	155	-99	-1	3	-99	1.2	3	-99.0	6.3	3.8	0.87	646	-99	18	7.5	4	7.2	1.2	-99	77.3	-0.1	0.60
GS-15-094	7741074	0.4	-99	164	-99	11	13	-99	-0.5	17	-99.0	13.5	9.4	0.51	136	-99	22	11.8	4	10.0	2.8	-99	61.6	-0.1	1.45
GS-15-095	7741075	-0.2	-99	162	-99	2	3	-99	3.4	6	-99.0	7.9	4.9	1.70	331	-99	24	9.1	4	13.3	1.6	-99	82.5	3.1	0.79
GS-15-096	7741076	-0.2	-99	143	-99	2	3	-99	2.8	4	-99.0	7.7	4.7	1.59	507	-99	25	8.2	5	12.5	1.5	-99	70.8	11.8	0.78
GS-15-097	7741077	-0.2	-99	192	-99	2	6	-99	0.9	19	-99.0	11.5	7.8	1.65	177	-99	20	11.8	5	14.1	2.3	-99	92.5	-0.1	1.34
GS-15-098	7741078	-0.2	-99	181	-99	-1	2	-99	0.6	1	-99.0	8.2	4.8	1.97	152	-99	19	9.8	4	14.5	1.6	-99	92.8	-0.1	0.82
GS-15-099	7741079	-0.2	-99	143	-99	2	2	-99	0.9	6	-99.0	6.2	3.7	1.36	168	-99	22	7.6	3	10.7	1.2	-99	70.6	-0.1	0.61
GS-15-100	7741081	-0.2	-99	150	-99	3	5	-99	1.0	5	-99.0	7.2	4.3	1.57	339	-99	24	8.4	4	10.7	1.4	-99	75.2	5.7	0.71
GS-15-101	7741082	-0.2	-99	146	-99	6	3	-99	-0.5	6	-99.0	7.4	4.4	1.47	442	-99	23	7.6	4	9.9	1.4	-99	64.9	0.8	0.66
GS-15-102	7741083	-0.2	-99	90.3	-99	2	3	-99	-0.5	5	-99.0	5.5	3.5	0.98	141	-99	19	5.3	2	10.0	1.1	-99	44.0	-0.1	0.55
GS-15-103	7741084	-0.2	-99	145	-99	3	3	-99	1.8	6	-99.0	7.4	4.2	1.73	733	-99	24	8.6	4	10.3	1.5	-99	72.9	9.3	0.63
GS-15-104	7741085	-0.2	-99	116	-99	3	3	-99	1.0	3	-99.0	6.0	3.7	1.24	428	-99	20	6.8	3	9.7	1.2	-99	56.4	4.2	0.62
GS-15-105	7741086	-0.2	-99	104	-99	5	4	-99	-0.5	6	-99.0	6.5	4.1	1.22	309	-99	18	6.7	4	9.0	1.3	-99	48.0	0.5	0.64
GS-15-106	7741087	-0.2	-99	38.4	-99	-1	3	-99	1.8	3	-99.0	3.9	2.6	0.26	89	-99	17	3.2	2	3.5	0.8	-99	18.0	8.3	0.58
GS-15-107	7741088	-0.2	-99	137	-99	4	4	-99	-0.5	7	-99.0	7.2	4.4	1.65	216	-99	21	8.0	4	9.7	1.4	-99	67.7	1.4	0.71
GS-15-108	7741089	-0.2	-99	116	-99	1	2	-99	-0.5	5	-99.0	6.1	3.8	0.95	123	-99	20	6.5	3	8.8	1.2	-99	55.7	2.2	0.53
GS-15-109	7741091	-0.2	-99	145	-99	2	4	-99	0.7	5	-99.0	7.1	3.9	1.34	403	-99	22	7.1	3	10.6	1.4	-99	64.6	5.1	0.63

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho	La	La	Li	Lu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.2	1	0.5	1	1	1, 100	1	0.5	1	0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1	1	0.5	0.1	0.05
Analysis Method		ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ISE	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS
GS-15-111	7741092	-0.2	-99	146	-99	3	4	-99	-0.5	4	-99.0	6.8	4.1	1.35	267	-99	23	7.5	3	9.6	1.4	-99	76.8	1.1	0.65
GS-15-112	7741093	-0.2	-99	109	-99	-1	4	-99	0.6	3	-99.0	5.6	3.4	0.86	81	-99	18	6.1	3	8.4	1.1	-99	55.0	0.2	0.53
GS-15-114	7741094	-0.2	-99	112	-99	2	4	-99	-0.5	3	-99.0	6.0	3.6	1.30	79	-99	19	6.8	3	10.8	1.1	-99	54.3	0.2	0.52
GS-15-115	7741095	-0.2	-99	111	-99	-1	3	-99	-0.5	3	-99.0	8.2	5.1	0.34	72	-99	26	8.8	3	6.7	1.7	-99	50.6	1.4	0.76
GS-15-117	7741096	0.3	-99	347	-99	2	7	-99	-0.5	13	-99.0	18.3	11.3	3.62	87	-99	36	21.2	8	20.3	3.6	-99	163	6.4	1.76
GS-15-118	7741097	-0.2	-99	147	-99	3	2	-99	-0.5	22	-99.0	7.1	4.4	1.37	83	-99	21	8.2	3	10.8	1.5	-99	70.4	1.4	0.66
GS-15-123	7741099	-0.2	-99	74.5	-99	2	4	-99	-0.5	3	-99.0	4.1	2.8	0.63	83	-99	16	3.9	2	5.2	0.8	-99	33.5	2.5	0.42
GS-15-124	7741101	-0.2	-99	187	-99	9	20	-99	0.5	8	-99.0	6.7	3.9	2.25	416	-99	22	8.6	6	9.5	1.3	-99	92.1	4.9	0.54
GS-15-126	7741102	-0.2	-99	194	-99	-1	5	-99	0.5	4	-99.0	6.3	3.6	2.82	102	-99	21	8.5	5	12.2	1.2	-99	98.0	0.5	0.57
GS-15-128	7741103	-0.2	-99	92.1	-99	16	15	-99	-0.5	7	-99.0	5.8	3.0	2.71	789	-99	20	7.3	4	6.8	1.1	-99	43.2	100.8	0.40
GS-15-129	7741104	-0.2	-99	103	-99	16	20	-99	-0.5	4	-99.0	7.1	3.8	2.68	511	-99	21	8.4	5	7.5	1.4	-99	49.5	41.3	0.47
GS-15-130	7741105	-0.2	-99	59.8	-99	28	81	-99	2.6	65	-99.0	2.1	1.1	1.72	667	-99	19	3.2	5	2.2	0.4	-99	27.5	81.9	0.13
GS-15-131	7741106	-0.2	-99	201	-99	-1	4	-99	0.6	16	-99.0	11.7	7.5	1.36	57	-99	19	11.6	4	11.8	2.5	-99	98.5	-0.1	1.09
GS-15-132	7741107	-0.2	-99	289	-99	1	5	-99	0.7	4	-99.0	21.5	13.5	0.20	32	-99	36	21.1	7	21.0	4.4	-99	141	0.7	2.00
GS-15-133	7741108	-0.2	-99	149	-99	6	2	-99	1.6	10	-99.0	9.1	5.7	1.65	980	-99	24	10.1	5	13.8	1.9	-99	71.7	30.9	0.87
GS-15-135	7741109	-0.2	-99	64.9	-99	-1	2	-99	-0.5	3	-99.0	6.1	4.5	0.12	19	-99	16	4.7	2	7.3	1.4	-99	23.8	-0.1	0.72
GS-15-136	7741111	-0.2	-99	155	-99	6	20	-99	-0.5	3	-99.0	8.8	5.4	0.66	110	-99	24	10.2	4	8.5	1.8	-99	70.3	1.5	0.82
GS-15-138	7741112	0.2	-99	258	-99	-1	4	-99	0.7	15	-99.0	14.1	8.8	0.42	1579	-99	31	14.9	6	17.8	2.9	-99	128	2.6	1.40
GS-15-139	7741113	-0.2	-99	75.2	-99	-1	3	-99	-0.5	7	-99.0	7.7	5.2	0.17	35	-99	18	6.9	2	5.3	1.6	-99	33.5	0.5	0.82
GS-15-143	7741114	-0.2	-99	20.0	-99	47	152	-99	2.2	33	-99.0	3.6	2.2	1.16	333	-99	16	3.3	3	1.8	0.7	-99	9.1	46.3	0.30
GS-15-144	7741115	-0.2	-99	143	-99	6	5	-99	1.8	11	-99.0	9.2	5.6	1.94	889	-99	26	10.1	5	14.0	1.8	-99	68.4	34.4	0.87
GS-15-147	7741116	-0.2	-99	81.7	-99	10	36	-99	3.6	10	-99.0	4.1	2.4	1.33	1069	-99	20	4.9	2	6.1	0.8	-99	40.9	61.1	0.30
GS-15-148	7741117	-0.2	-99	96.5	-99	15	17	-99	-0.5	16	-99.0	5.1	2.7	2.13	490	-99	24	6.2	4	6.5	0.9	-99	47.0	24.5	0.38
GS-15-149	7741118	-0.2	-99	41.2	-99	15	88	-99	1.6	4	-99.0	3.2	1.9	1.26	637	-99	17	3.6	3	3.1	0.6	-99	19.5	25.1	0.19
GS-15-150	7741119	-0.2	-99	34.0	-99	34	651	-99	4.7	13	-99.0	2.6	1.4	1.02	399	-99	16	3.0	3	2.2	0.5	-99	16.4	56.2	0.21
GS-15-151	7741121	-0.2	-99	85.1	-99	-1	9	-99	-0.5	8	-99.0	5.3	3.6	0.37	48	-99	16	5.5	3	8.0	1.2	-99	53.7	1.3	0.70
GS-15-152	7741122	-0.2	-99	184	-99	-1	3	-99	-0.5	4	-99.0	10.1	6.1	0.66	28	-99	22	10.5	4	8.3	1.9	-99	92.1	0.4	0.91
GS-15-153	7741123	-0.2	-99	173	-99	1	6	-99	-0.5	13	-99.0	6.9	4.5	0.61	21	-99	19	8.2	3	7.1	1.4	-99	86.5	0.6	0.80
GS-15-154	7741124	-0.2	-99	45.3	-99	44	64	-99	1.2	3	-99.0	6.3	3.7	1.75	1597	-99	13	6.7	5	2.4	1.3	-99	23.4	115.0	0.52
GS-15-155	7741125	-0.2	-99	164	-99	4	22	-99	-0.5	22	-99.0	7.8	5.4	0.70	57	-99	22	8.1	4	8.5	1.6	-99	82.5	3.8	0.96
GS-15-163	7741126	-0.2	-99	46.0	-99	40	562	-99	3.3	145	-99.0	2.5	1.6	1.18	2240	-99	12	3.3	3	1.9	0.5	-99	20.8	29.7	0.25
GS-15-164	7741127	-0.2	-99	6.0	-99	19	114	-99	0.8	60	-99.0	2.4	1.4	0.58	218	-99	6	2.3	2	0.6	0.5	-99	3.1	12.6	0.13
GS-15-165	7741128	-0.2	-99	219	-99	30	283	-99	1.1	3	-99.0	4.3	1.8	3.71	1257	-99	18	8.9	6	5.7	0.7	-99	103	7.4	0.19
GS-15-167	7741129	-0.2	-99	98.0	-99	4	12	-99	4.1	9	-99.0	5.3	3.1	1.70	1154	-99	23	6.4	6	5.9	1.0	-99	48.8	13.1	0.41
GS-15-168	7741131	-0.2	-99	7.8	-99	-1	3	-99	3.1	2	-99.0	1.1	0.8	0.43	62	-99	10	1.1	1	6.3	0.2	-99	3.5	-0.1	0.17
GS-15-169	7741132	-0.2	-99	68.6	-99	53	94	-99	1.9	51	-99.0	8.1	4.6	2.69	565	-99	23	8.4	7	6.2	1.7	-99	30.8	27.1	0.63
GS-15-170	7741133	-0.2	-99	90.1	-99	2	4	-99	1.9	2	-99.0	4.1	2.5	0.95	248	-99	18	4.5	2	6.4	0.8	-99	44.7	12.0	0.41
GS-15-171	7741134	-0.2	-99	24.7	-99	33	589	-99	2.2	56	-99.0	2.5	1.4	0.96	306	-99	14	2.8	2	1.8	0.4	-99	12.1	55.3	0.20
GS-15-172	7741135	-0.2	-99	39.4	-99	34	469	-99	1.4	143	-99.0	3.6	1.9	1.29	337	-99	15	4.3	5	2.0	0.7	-99	18.9	17.7	0.24
GS-15-173	7741136	-0.2	-99	132	-99	2	8	-99	3.1	3	-99.0	8.4	5.5	0.83	338	-99	21	8.8	4	11.6	1.7	-99	60.9	38.7	0.85
GS-15-177	7741137	-0.2	-99	107	-99	1	2	-99	2.2	54	-99.0	17.0	12.1	0.48	704	-99	29	13.9	3	27.4	3.6	-99	48.3	22.9	1.93
GS-15-178	7741138	-0.2	-99	104	-99	-1	18	-99	-0.5	2	-99.0	10.8	7.3	0.20	6906	-99	19	9.4	4	17.6	2.2	-99	47.4	4.7	1.23
GS-15-183	7741139	-0.2	-99	53.8	-99	-1	16	-99	-0.5	3	-99.0	4.2	3.0	0.23	59	-99	22	4.2	2	7.9	0.8	-99	23.1	0.3	0.54
GS-15-184	7741141	-0.2	-99	40.8	-99	-1	4	-99	-0.5	3	-99.0	2.8	2.1	0.06	49	-99	20	2.6	2	5.2	0.6	-99	12.5	-0.1	0.37
GS-15-190	7741142	-0.2	-99	145	-99	-1	3	-99	3.1	13	-99.0	5.4	3.6	0.33	507	-99	23	5.6	4	11.5	1.0	-99	78.9	7.1	0.64
GS-15-191	7741143	-0.2	-99	92.8	-99	-1	7	-99	1.1	9	-99.0	3.2	2.1	0.28	161	-99	17	3.5	3	5.4	0.6	-99	39.0	2.8	0.33
GS-15-196	7741144	-0.2	-99	78.3	-99	26	139	-99	1.5	46	-99.0	3.2	1.7	1.17	1086	-99	19	3.7	5	3.3	0.5	-99	39.2	57.2	0.17
GS-15-197	7741145	-0.2	-99	142	-99	-1	3	-99	-0.5	4	-99.0	9.0	5.5	0.06	41	-99	20	9.5	4	7.3	1.7	-99	64.9	3.7	0.82
GS-15-198	7741146	-0.2	-99	195	-99	-1	5	-99	-0.5	6	-99.0	6.3	4.1	2.19	88	-99	30	9.2	5	13.3	1.2	-99	97.0	1.1	0.72
GS-15-199	7741147	-0.2	-99	91.6	-99	99	797	-99	4.0	203	-99.0	7.3	2.6	3.84	585	-99	26	10.6	9	8.3	1.1	-99	37.0	14.4	0.14
GS-15-200	7741148	-0.2	-99	90.7	-99	103	778	-99	5.5	204	-99.0	7.2	2.6	3.52	1175	-99	25	10.3	9	8.2	1.0	-99	37.6	17.8	0.15
GS-15-201	7741149	-0.2	-99	1.9	-99	10	15	-99	-0.5	7	-99.0	0.7	0.3	0.15	67	-99	2	0.6	2	-0.2	-0.1	-99	1.4	6.1	-0.05
GS-15-202	7741151	-0.2	-99	48.4	-99	5	25	-99	-0.5	16	-99.0	2.9	1.8	0.67	135	-99	10	3.0	2	3.9	0.5	-99	24.6	7.0	0.25
GS-15-204	7741152	-0.2	-99	19.9	-99	35	39	-99	2.4	11	-99.0	2.6	1.6	0.71	527	-99	16	2.6	4	1.1	0.4	-99	9.6	19.2	0.16

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Mn	Mo	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb	Th	Ti	Tl	Tm	U
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	1	2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1	0.1	1	0.1, 0.5	0.05	0.1
Analysis Method		ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-07-001	7740001	695	-1	-99	27	-99	-99	-1	102	52	-99	-2	1.0	-99	-99	48	-99	-99	-99	-99	1196	-99	-99	-99
GS-07-008	7740158	401	-1	-99	31	-99	-99	2	33	26	-99	156	0.6	-99	-99	76	-99	-99	-99	-99	1325	-99	-99	-99
GS-07-010	7740002	611	2	-99	22	-99	-99	-1	61	57	-99	91	1.2	-99	-99	45	-99	-99	-99	-99	1688	-99	-99	-99
GS-07-011	7740159	690	1	-99	24	-99	-99	4	61	72	-99	50	1.3	-99	-99	46	-99	-99	-99	-99	1680	-99	-99	-99
GS-07-018	7740003	1427	-1	-99	16	-99	-99	5	2099	31	-99	12	45.3	-99	-99	357	-99	-99	-99	-99	15116	-99	-99	-99
GS-07-020	7740161	542	7	-99	24	-99	-99	3	58	12	-99	45	1.5	-99	-99	64	-99	-99	-99	-99	1666	-99	-99	-99
GS-07-021	7740004	1320	-1	-99	12	-99	-99	25	910	24	-99	53	30.7	-99	-99	504	-99	-99	-99	-99	11407	-99	-99	-99
GS-07-022	7740162	1866	6	-99	10	-99	-99	43	1127	15	-99	115	35.2	-99	-99	296	-99	-99	-99	-99	13008	-99	-99	-99
GS-07-024	7740005	524	1	-99	22	-99	-99	-1	68	31	-99	81	1.2	-99	-99	38	-99	-99	-99	-99	1877	-99	-99	-99
GS-07-025	7740006	1042	-1	-99	10	-99	-99	19	750	3	-99	69	24.7	-99	-99	605	-99	-99	-99	-99	5803	-99	-99	-99
GS-07-027	7740007	2347	-1	-99	16	-99	-99	47	971	77	-99	129	31.9	-99	-99	372	-99	-99	-99	-99	8392	-99	-99	-99
GS-07-028	7740008	1071	-1	-99	9	-99	-99	12	626	28	-99	47	21.3	-99	-99	542	-99	-99	-99	-99	4189	-99	-99	-99
GS-07-029	7740069	755	-1	-99	20	-99	-99	-1	75	43	-99	82	1.4	-99	-99	42	-99	-99	-99	-99	1858	-99	-99	-99
GS-07-030	7740009	1202	-1	-99	10	-99	-99	32	953	11	-99	106	23.0	-99	-99	481	-99	-99	-99	-99	6743	-99	-99	-99
GS-07-034	7740163	784	2	-99	28	-99	-99	3	51	35	-99	120	1.5	-99	-99	41	-99	-99	-99	-99	1765	-99	-99	-99
GS-07-037	7740071	2609	-1	-99	14	-99	-99	49	1066	162	-99	119	30.8	-99	-99	311	-99	-99	-99	-99	8224	-99	-99	-99
GS-07-039	7740072	1952	-1	-99	16	-99	-99	6	2067	31	-99	15	45.6	-99	-99	184	-99	-99	-99	-99	14729	-99	-99	-99
GS-07-044	7740164	1170	1	-99	7	-99	-99	27	613	14	-99	42	22.2	-99	-99	584	-99	-99	-99	-99	4393	-99	-99	-99
GS-07-047	7740011	633	-1	-99	6	-99	-99	15	990	-1	-99	46	9.9	-99	-99	509	-99	-99	-99	-99	2753	-99	-99	-99
GS-07-052	7740012	486	5	-99	6	-99	-99	16	993	-1	-99	8	11.2	-99	-99	294	-99	-99	-99	-99	2427	-99	-99	-99
GS-07-055	7740165	540	2	-99	2	-99	-99	7	313	20	-99	4	2.6	-99	-99	81	-99	-99	-99	-99	835	-99	-99	-99
GS-07-061	7740166	634	-1	-99	4	-99	-99	22	1086	2	-99	34	10.9	-99	-99	554	-99	-99	-99	-99	2751	-99	-99	-99
GS-07-067	7740167	671	-1	-99	5	-99	-99	23	1005	2	-99	32	11.7	-99	-99	589	-99	-99	-99	-99	3253	-99	-99	-99
GS-07-072	7740168	1000	1	-99	7	-99	-99	26	835	23	-99	67	24.8	-99	-99	620	-99	-99	-99	-99	4835	-99	-99	-99
GS-07-075	7740169	1786	-1	-99	4	-99	-99	107	235	3	-99	17	44.7	-99	-99	99	-99	-99	-99	-99	2710	-99	-99	-99
GS-07-076	7740171	591	-1	-99	3	-99	-99	6	473	-1	-99	28	5.1	-99	-99	184	-99	-99	-99	-99	1246	-99	-99	-99
GS-07-077	7740172	137	-1	-99	2	1.0	6.1	1	108	1	1.8	66	1.5	1.1	-1	328	-99	-0.5	0.1	1.8	372	-0.5	-0.05	6.8
GS-07-078	7740173	343	-1	-99	3	1.8	8.6	5	432	-1	2.2	88	2.5	1.4	-1	360	-99	-0.5	0.1	1.7	1481	-0.5	-0.05	5.4
GS-07-090	7740013	1489	46	-99	9	-99	-99	399	180	29	-99	4	34.4	-99	-99	129	-99	-99	-99	-99	2465	-99	-99	-99
GS-07-091	7740014	1170	-1	-99	9	-99	-99	118	230	4	-99	7	45.2	-99	-99	142	-99	-99	-99	-99	3909	-99	-99	-99
GS-07-093	7740174	386	-1	-99	2	1.6	9.6	8	563	-1	2.5	55	5.0	1.7	-1	256	-99	-0.5	0.1	1.6	856	-0.5	-0.05	4.3
GS-07-094	7740015	48	6	-99	5	-99	-99	-1	63	3	-99	4	3.0	-99	-99	93	-99	-99	-99	-99	195	-99	-99	-99
GS-07-098	7740016	1195	-1	-99	21	-99	-99	37	1495	29	-99	14	23.3	-99	-99	28	-99	-99	-99	-99	12439	-99	-99	-99
GS-07-101	7740017	128	-1	-99	2	-99	-99	-1	103	2	-99	-2	2.0	-99	-99	93	-99	-99	-99	-99	383	-99	-99	-99
GS-07-102	7740175	1203	-1	-99	4	-99	-99	57	358	6	-99	14	34.2	-99	-99	362	-99	-99	-99	-99	2138	-99	-99	-99
GS-07-104	7740018	137	-1	-99	2	-99	-99	1	244	-1	-99	10	1.6	-99	-99	153	-99	-99	-99	-99	655	-99	-99	-99
GS-07-105	7740019	1264	-1	-99	6	-99	-99	751	112	14	-99	-2	27.7	-99	-99	293	-99	-99	-99	-99	1884	-99	-99	-99
GS-07-108	7740176	1770	-1	-99	5	-99	-99	113	278	11	-99	8	43.6	-99	-99	165	-99	-99	-99	-99	2048	-99	-99	-99
GS-07-109	7740021	1612	-1	-99	10	-99	-99	127	262	5	-99	12	43.5	-99	-99	140	-99	-99	-99	-99	4038	-99	-99	-99
GS-07-110	7740177	100	-1	-99	1	-99	-99	5	70	2	-99	34	1.1	-99	-99	125	-99	-99	-99	-99	346	-99	-99	-99
GS-07-113	7740022	994	-1	-99	12	-99	-99	13	2204	8	-99	119	19.8	-99	-99	761	-99	-99	-99	-99	6601	-99	-99	-99
GS-07-118	7740023	316	-1	-99	13	-99	-99	23	760	3	-99	64	13.9	-99	-99	178	-99	-99	-99	-99	4238	-99	-99	-99
GS-07-120	7740024	1229	-1	-99	12	-99	-99	74	2011	6	-99	30	32.3	-99	-99	440	-99	-99	-99	-99	10669	-99	-99	-99
GS-07-123	7740025	1406	-1	-99	15	-99	-99	45	1363	7	-99	100	34.0	-99	-99	366	-99	-99	-99	-99	7813	-99	-99	-99
GS-07-132	7740026	1907	-1	-99	16	3.2	11.5	57	439	6	2.5	68	47.0	3.3	2	155	-99	-0.5	0.6	1.0	8454	-0.5	0.30	0.3
GS-07-147	7740073	34	1	-99	1	-99	-99	2	93	55	-99	261	0.6	-99	-99	135	-99	-99	-99	-99	122	-99	-99	-99
GS-07-148	7740074	59	1	-99	10	-99	-99	-1	72	4	-99	8	0.7	-99	-99	48	-99	-99	-99	-99	34	-99	-99	-99
GS-07-151	7740027	650	-1	-99	21	-99	-99	2	391	8	-99	2	8.0	-99	-99	33	-99	-99	-99	-99	3386	-99	-99	-99
GS-07-159	7740028	1012	-1	-99	5	-1.0	1.5	175	89	14	0.3	31	45.3	0.6	-1	193	-99	-0.5	0.2	-0.1	2199	-0.5	0.09	0.2
GS-07-161	7740029	1694	-1	-99	15	4.9	14.6	44	528	12	3.2	19	43.5	3.6	-1	256	-99	-0.5	0.7	1.7	8156	-0.5	0.38	0.4
GS-07-162	7740031	1095	-1	-99	10	4.7	24.6	25	801	4	6.0	55	36.1	4.7	-1	479	-99	-0.5	0.6	4.0	3951	-0.5	0.27	1.4
GS-07-163	7740032	874	-1	-99	8	3.6	22.2	9	1042	3	5.5	60	24.6	4.5	-1	619	-99	-0.5	0.5	4.1	4282	-0.5	0.23	1.0
GS-07-164	7740033	639	-1	-99	8	3.4	23.7	-1	1684	-1	5.7	46	19.7	4.5	1	602	-99	-0.5	0.5	3.5	4126	-0.5	0.19	2.0
GS-07-167	7740034	1357	-1	-99	9	1.2	4.0	158	174	6	0.7	15	42.3	1.6	-1	173	-99	-0.5	0.4	0.1	4613	-0.5	0.26	0.2
GS-07-170	7740067	781	-1	-99	9	3.4	22.0	5	859	5	5.3	75	31.2	4.1	-1	557	-99	0.6	0.5	4.1	4421	0.3	0.21	1.1
GS-07-171	7740035	268	22	-99	13	17.0	56.0	-1	36	48	16.9	51	1.2	8.8	2	95	-99	0.9	0.9	13.1	648	-0.5	0.40	68.4
GS-07-172	7740075	536	-1	-99	6	-99	-99	11	1035	2	-99	8	8.5	-99	-99	185	-99	-99	-99	-99	3260	-99	-99	-99
GS-07-173	7740076	579	-1	-99	9	-99	-99	17	1170	39	-99	13	12.0	-99	-99	224	-99	-99	-99	-99	4608	-99	-99	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Mn	Mo	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb	Th	Ti	Tl	Tm	U
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	1	2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1	0.1	1	0.1, 0.5	0.05	0.1
Analysis Method		ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-07-174A	7740036	1359	-1	-99	15	-99	-99	52	541	4	-99	8	47.9	-99	-99	214	-99	-99	-99	-99	8711	-99	-99	-99
GS-07-176	7740077	128	-1	-99	12	-99	-99	1	34	40	-99	201	2.1	-99	-99	81	-99	-99	-99	-99	194	-99	-99	-99
GS-07-177	7740178	748	-1	-99	5	-99	-99	22	902	1	-99	47	10.5	-99	-99	539	-99	-99	-99	-99	2743	-99	-99	-99
GS-07-179	7740037	79	1	-99	2	-99	-99	-1	25	6	-99	4	0.8	-99	-99	87	-99	-99	-99	-99	89	-99	-99	-99
GS-07-181	7740179	401	-1	-99	3	-99	-99	20	1046	8	-99	43	10.1	-99	-99	236	-99	-99	-99	-99	1167	-99	-99	-99
GS-07-182	7740038	154	-1	-99	8	-99	-99	-1	37	-1	-99	-2	2.0	-99	-99	100	-99	-99	-99	-99	104	-99	-99	-99
GS-07-186	7740039	629	-1	-99	8	-99	-99	15	1185	-1	-99	36	11.7	-99	-99	356	-99	-99	-99	-99	4568	-99	-99	-99
GS-07-187	7740041	61	1	-99	2	-99	-99	1	77	15	-99	233	0.3	-99	-99	201	-99	-99	-99	-99	153	-99	-99	-99
GS-07-188	7740042	1514	-1	-99	21	-99	-99	58	3262	9	-99	46	30.9	-99	-99	291	-99	-99	-99	-99	16294	-99	-99	-99
GS-07-193	7740078	79	-1	-99	3	-99	-99	-1	10	63	-99	83	2.0	-99	-99	65	-99	-99	-99	-99	504	-99	-99	-99
GS-07-195	7740079	124	-1	-99	2	-99	-99	2	20	28	-99	160	0.7	-99	-99	48	-99	-99	-99	-99	207	-99	-99	-99
GS-07-197	7740043	1498	-1	-99	13	3.6	10.3	64	368	2	2.3	33	42.9	2.6	-1	211	-99	-0.5	0.6	0.9	6877	-0.5	0.26	0.5
GS-07-198	7740044	1841	-1	-99	15	4.5	12.9	46	440	7	2.8	32	43.0	3.4	-1	182	-99	-0.5	0.6	1.1	7853	-0.5	0.35	0.3
GS-07-199	7740045	2029	-1	-99	17	5.1	13.7	58	514	16	2.9	41	48.6	3.6	3	170	-99	-0.5	0.7	1.2	8588	-0.5	0.34	0.8
GS-07-204	7740046	1222	17	-99	16	19.3	72.4	-1	58	573	22.2	70	2.8	10.5	1	421	-99	1.2	1.1	18.8	954	-0.5	0.55	345
GS-07-213	7740047	1242	-1	-99	10	4.1	14.2	50	566	3	3.3	74	31.5	3.0	-1	326	-99	-0.5	0.6	1.8	5654	-0.5	0.32	1.1
GS-07-214	7740048	242	4	-99	30	35.3	105	2	36	37	28.8	189	2.0	19.4	4	38	-99	2.2	2.9	34.5	1451	-0.5	1.71	15.2
GS-07-215	7740049	613	-1	-99	10	6.5	20.6	18	1801	37	5.0	50	18.4	3.9	-1	522	-99	-0.5	0.6	4.9	5474	-0.5	0.25	2.6
GS-07-216	7740051	941	4	-99	11	9.9	30.8	27	697	3	8.2	8	15.7	5.3	2	77	-99	-0.5	0.7	8.1	4099	-0.5	0.35	3.6
GS-07-218	7740182	1112	-1	-99	6	2.8	18.4	85	784	11	4.4	68	30.8	4.0	-1	664	-99	-0.5	0.6	2.7	3686	-0.5	0.21	1.0
GS-07-220	7740052	800	2	-99	18	13.9	46.1	25	1471	40	11.6	60	23.2	8.7	2	251	-99	0.7	1.1	8.4	7191	-0.5	0.46	3.8
GS-07-222	7740183	1434	-1	-99	7	1.3	12.8	100	870	25	2.8	61	32.6	3.0	-1	420	-99	-0.5	0.6	0.2	7668	-0.5	0.28	0.4
GS-07-225	7740068	355	3	-99	21	25.4	73.3	-1	300	33	21.1	184	4.9	12.4	7	97	-99	1.7	1.8	23.0	2450	-0.5	0.94	8.6
GS-07-226	7740184	424	-1	-99	30	28.3	82.9	6	76	53	23.9	147	6.0	14.0	5	193	-99	1.6	1.8	26.2	2849	-0.5	1.04	9.4
GS-07-230	7740053	152	-1	-99	25	51.2	143	-1	16	18	39.2	205	1.5	26.6	6	67	-99	3.5	4.3	48.8	473	-0.5	2.46	18.7
GS-07-231	7740054	851	-1	-99	12	8.7	42.7	-1	2303	12	10.9	110	12.7	8.0	1	646	-99	-0.5	1.0	9.1	7052	-0.5	0.44	6.6
GS-07-232	7740055	352	2	-99	21	23.1	65.6	-1	261	29	18.3	139	7.1	10.8	3	99	-99	1.4	1.4	17.0	2579	-0.5	0.72	5.9
GS-07-233	7740185	1351	-1	-99	9	4.3	21.7	38	1028	12	5.2	46	35.5	4.2	1	528	-99	-0.5	0.6	3.9	5314	-0.5	0.24	1.5
GS-07-234	7740056	354	2	-99	20	26.5	68.4	-1	254	35	19.2	140	7.2	11.3	3	99	-99	1.9	1.4	18.1	2552	-0.5	0.73	6.3
GS-07-235	7740057	249	2	-99	20	23.4	66.8	-1	204	38	18.6	139	5.7	10.8	3	85	-99	1.4	1.3	19.0	2086	-0.5	0.68	6.1
GS-07-238	7740058	543	2	-99	32	41.4	149	-1	455	31	40.4	111	8.6	24.6	4	143	-99	2.1	3.1	22.7	3387	-0.5	1.52	4.4
GS-07-239	7740186	1879	-1	-99	12	3.0	46.5	50	5075	13	10.5	45	33.2	9.3	1	764	-99	-0.5	1.2	0.7	12875	-0.5	0.42	0.4
GS-07-240	7740059	295	2	-99	26	30.3	104	-1	262	29	28.4	104	5.8	17.4	4	63	-99	1.7	2.2	20.1	2410	-0.5	1.10	5.9
GS-07-241	7740061	206	2	-99	20	22.3	68.5	1	187	17	19.3	135	5.9	10.8	3	74	-99	1.4	1.3	18.8	2071	-0.5	0.65	8.1
GS-07-244	7740187	406	2	-99	24	14.0	64.0	6	270	27	17.5	136	7.2	11.1	3	95	-99	1.3	1.3	16.7	2540	-0.5	0.65	7.7
GS-07-245	7740188	1374	-1	-99	11	2.8	21.1	65	1549	25	4.4	67	28.3	5.1	-1	510	-99	-0.5	0.9	0.7	12609	-0.5	0.47	1.2
GS-07-247	7740189	1106	-1	-99	11	4.2	57.0	45	4915	16	12.7	42	20.1	10.5	1	1978	-99	-0.5	1.0	0.6	12264	-0.5	0.28	0.2
GS-07-248	7740062	307	2	-99	21	22.3	64.7	-1	297	31	17.8	138	7.6	10.6	4	118	-99	1.3	1.3	17.0	2728	-0.5	0.67	7.8
GS-07-249	7740063	621	4	-99	31	36.5	132	-1	476	24	35.6	126	8.6	22.0	4	142	-99	1.7	2.8	20.4	3309	-0.5	1.33	4.4
GS-07-251	7740064	858	153	-99	37	47.9	166	-1	224	45	44.6	13	4.2	27.8	8	73	-99	3.0	3.6	27.7	2546	-0.5	1.91	23.5
GS-07-252	7740065	349	2	-99	20	23.8	66.5	-1	263	26	18.4	5	6.9	10.9	3	118	-99	1.3	1.4	17.9	2439	0.5	0.69	9.1
GS-07-254	7740066	923	-1	-99	11	5.0	26.6	8	1441	19	6.3	37	23.5	5.3	3	677	-99	0.8	0.7	3.6	6352	0.5	0.31	1.8
GS-07-261	7740081	194	-1	-99	8	-99	-99	1	40	67	-99	208	4.3	-99	-99	127	-99	-99	-99	-99	732	-99	-99	-99
GS-08-007	7740082	625	3	-99	7	-99	-99	10	1166	10	-99	57	6.9	-99	-99	358	-99	-99	-99	-99	2073	-99	-99	-99
GS-08-008	7740083	509	2	-99	9	-99	-99	9	1209	312	-99	58	6.7	-99	-99	417	-99	-99	-99	-99	2598	-99	-99	-99
GS-08-016	7740084	1726	-1	-99	10	-99	-99	54	719	2	-99	11	48.0	-99	-99	65	-99	-99	-99	-99	11467	-99	-99	-99
GS-08-017	7740085	1707	-1	-99	7	5.5	12.3	62	406	8	2.7	18	41.5	3.6	1	192	-99	-0.5	0.6	1.2	7494	-0.5	0.34	0.3
GS-08-025	7740086	1837	-1	-99	7	5.0	11.5	69	374	11	2.5	27	41.4	3.1	2	211	-99	-0.5	0.6	1.1	6982	-0.5	0.31	0.4
GS-08-027	7740087	1571	-1	-99	7	5.0	11.1	69	379	6	2.4	17	41.1	3.0	-1	185	-99	-0.5	0.6	1.1	6889	-0.5	0.32	0.3
GS-08-035	7740088	900	-1	-99	-1	1.2	1.7	220	89	6	0.3	42	36.7	0.5	-1	194	-99	-0.5	0.2	-0.1	2118	-0.5	0.14	-0.1
GS-08-036	7740089	1739	-1	-99	7	5.1	12.0	62	393	7	2.5	11	40.2	3.1	-1	151	-99	-0.5	0.6	1.1	6899	-0.5	0.32	0.3
GS-08-037	7740091	1691	-1	-99	8	5.8	15.4	74	495	8	3.4	27	40.3	3.4	1	239	-99	-0.5	0.6	1.6	6841	-0.5	0.30	0.5
GS-08-043	7740092	1507	-1	-99	9	8.1	14.7	64	520	7	3.1	9	43.3	3.6	1	122	-99	-0.5	0.7	1.8	7676	-0.5	0.39	0.5
GS-08-044	7740093	1501	-1	-99	9	5.7	14.2	57	517	4	3.2	10	42.8	4.0	1	178	-99	-0.5	0.8	1.8	7884	-0.5	0.36	0.5
GS-08-045	7740094	1622	-1	-99	8	4.6	12.2	64	407	7	2.7	15	41.9	3.5	1	170	-99	-0.5	0.6	1.2	7515	-0.5	0.30	0.3
GS-08-050	7740095	773	13	-99	17	11.4	12.2	232	115	-1	2.9	11	28.2	3.0	-1	46	-99	0.8	0.6	7.9	9153	-0.5	0.33	3.3
GS-08-053	7740096	1130	-1	-99	1	-99	-99	113	221	2	-99	4	42.2	-99	-99	173	-99	-99	-99	-99	1647	-99	-99	-99
GS-08-063	7740097	1167	-1	-99	-1	-99	-99	91	119	5	-99	12	36.0	-99	-99	267	-99	-99	-99	-99	1470	-99	-99	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Mn	Mo	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb	Th	Ti	Tl	Tm	U
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	1	2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1	0.1	1	0.1, 0.5	0.05	0.1
Analysis Method		ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-08-068	7740098	1340	2	-99	2	-99	-99	107	231	6	-99	7	44.1	-99	-99	189	-99	-99	-99	-99	2487	-99	-99	-99
GS-08-074	7740099	209	5	-99	19	-99	-99	1	28	10	-99	113	1.6	-99	-99	35	-99	-99	-99	-99	587	-99	-99	-99
GS-08-075	7740101	1166	-1	-99	4	-99	-99	39	587	5	-99	52	27.4	-99	-99	790	-99	-99	-99	-99	4708	-99	-99	-99
GS-08-076	7740102	186	2	-99	41	-99	-99	2	27	23	-99	64	1.6	-99	-99	37	-99	-99	-99	-99	644	-99	-99	-99
GS-08-078	7740103	1152	3	-99	14	-99	-99	9	1296	22	-99	89	16.1	-99	-99	328	-99	-99	-99	-99	4779	-99	-99	-99
GS-08-079	7740104	1159	2	-99	14	-99	-99	10	1300	13	-99	91	15.9	-99	-99	300	-99	-99	-99	-99	4758	-99	-99	-99
GS-08-080	7740105	754	2	-99	14	-99	-99	5	609	14	-99	114	11.0	-99	-99	174	-99	-99	-99	-99	3803	-99	-99	-99
GS-08-081	7740106	1178	2	-99	13	-99	-99	8	1302	12	-99	89	16.7	-99	-99	313	-99	-99	-99	-99	4714	-99	-99	-99
GS-08-082	7740107	174	4	-99	36	-99	-99	2	36	21	-99	136	2.5	-99	-99	29	-99	-99	-99	-99	723	-99	-99	-99
GS-08-083	7740108	94	6	-99	35	-99	-99	2	20	22	-99	64	1.3	-99	-99	17	-99	-99	-99	-99	386	-99	-99	-99
GS-08-084	7740109	60	2	-99	28	-99	-99	2	21	13	-99	57	1.6	-99	-99	32	-99	-99	-99	-99	501	-99	-99	-99
GS-08-088	7740111	67	34	-99	11	-99	-99	3	13	11	-99	46	0.5	-99	-99	18	-99	-99	-99	-99	262	-99	-99	-99
GS-08-089	7740112	2089	2	-99	19	-99	-99	6	25	67	-99	26	2.0	-99	-99	163	-99	-99	-99	-99	533	-99	-99	-99
GS-08-090	7740113	142	2	-99	30	-99	-99	2	71	29	-99	5	1.7	-99	-99	54	-99	-99	-99	-99	848	-99	-99	-99
GS-08-092	7740114	214	1	-99	30	-99	-99	2	66	11	-99	77	1.5	-99	-99	46	-99	-99	-99	-99	882	-99	-99	-99
GS-08-095	7740115	83	6	-99	24	-99	-99	3	61	4	-99	2	2.4	-99	-99	39	-99	-99	-99	-99	970	-99	-99	-99
GS-08-104	7740116	896	-1	-99	6	-99	-99	11	935	10	-99	117	26.3	-99	-99	206	-99	-99	-99	-99	2850	-99	-99	-99
GS-08-136	7740117	1110	-1	-99	4	-99	-99	20	1011	2	-99	39	26.1	-99	-99	566	-99	-99	-99	-99	2559	-99	-99	-99
GS-08-137	7740118	198	-1	-99	14	-99	-99	2	195	5	-99	137	5.3	-99	-99	138	-99	-99	-99	-99	1475	-99	-99	-99
GS-08-152	7740119	303	-1	-99	7	-99	-99	20	227	6	-99	48	5.1	-99	-99	30	-99	-99	-99	-99	1063	-99	-99	-99
GS-08-175	7740121	376	2	-99	27	20.1	62.6	3	258	28	17.7	164	6.9	10.3	3	98	-99	1.7	1.3	18.7	2534	-0.5	0.69	5.5
GS-08-176	7740122	244	2	-99	26	18.7	61.8	2	174	16	17.0	149	5.5	9.8	-1	83	-99	1.8	1.3	18.1	2078	-0.5	0.69	5.9
GS-08-177	7740123	1435	2	-99	8	3.7	18.3	51	977	85	3.8	86	25.5	4.6	2	432	-99	-0.5	0.8	0.5	9976	-0.5	0.30	0.1
GS-08-179	7740124	1410	-1	-99	9	2.6	42.5	87	4112	10	9.5	116	29.1	7.9	2	639	-99	-0.5	1.0	0.5	9663	-0.5	0.35	0.2
GS-08-180	7740125	1130	-1	-99	2	-1.0	6.7	84	371	9	1.3	33	22.1	2.3	-1	287	-99	-0.5	0.5	0.1	2872	-0.5	0.24	-0.1
GS-08-181	7740126	311	2	-99	26	18.7	62.9	3	146	26	17.5	155	5.2	10.2	4	85	-99	1.5	1.3	19.5	1895	-0.5	0.63	6.5
GS-08-182	7740127	152	22	-99	25	17.7	65.4	4	111	11	18.6	132	4.6	9.6	3	158	-99	1.4	1.4	20.7	1645	-0.5	0.61	7.3
GS-08-183	7740128	1335	3	-99	6	2.9	23.4	28	955	11	5.9	48	33.3	4.8	1	483	-99	-0.5	0.7	3.2	4253	-0.5	0.25	1.1
GS-08-184	7740129	159	8	-99	26	16.7	62.2	3	77	43	18.1	141	3.6	10.6	3	54	-99	1.3	1.2	21.8	1405	-0.5	0.61	9.1
GS-08-185	7740131	82	2	-99	35	33.1	71.2	2	127	56	19.6	185	1.8	14.2	8	23	-99	3.3	2.2	26.3	692	0.1	1.28	13.1
GS-08-187	7740132	124	3	-99	20	26.4	80.1	3	33	38	22.4	219	3.1	14.1	4	28	-99	2.5	1.9	22.8	589	14.2	1.00	9.9
GS-08-188	7740133	1260	-1	-99	5	3.6	17.4	75	694	12	4.1	41	35.4	4.0	-1	424	-99	-0.5	0.5	3.0	3916	0.2	0.25	1.6
GS-08-189	7740134	1182	-1	-99	15	9.1	77.9	39	6641	16	18.7	44	19.6	13.3	1	1198	-99	0.6	1.2	1.5	12844	-0.5	0.36	0.5
GS-08-190	7740135	103	-1	-99	29	29.4	69.6	2	35	23	19.6	122	2.7	11.7	3	35	-99	1.8	1.5	21.6	764	-0.5	0.78	7.7
GS-08-191	7740136	154	1	-99	77	71.0	57.7	2	21	36	17.0	139	2.3	9.9	4	28	-99	5.3	1.3	46.7	696	-0.5	0.78	75.4
GS-08-193	7740137	501	2	-99	33	30.4	94.8	4	297	26	25.7	180	7.4	16.1	2	111	-99	2.1	2.0	17.1	2826	-0.5	1.03	4.9
GS-08-195	7740211	109	-1	-99	21	10.9	25.0	5	16	39	7.7	229	1.8	4.1	2	45	-99	0.7	0.5	22.3	745	-0.5	0.32	9.1
GS-08-196	7740138	676	3	-99	42	35.9	130	6	494	27	35.0	137	9.0	21.5	4	126	-99	2.3	2.7	18.9	3522	-0.5	1.26	3.5
GS-08-198	7740139	89	2	-99	35	34.5	69.0	2	18	27	19.4	172	1.5	14.3	5	22	-99	3.6	2.2	28.4	408	-0.5	1.31	12.3
GS-08-199	7740141	251	4	-99	51	50.3	99.8	2	37	59	27.2	192	1.2	19.4	7	32	-99	4.4	3.2	24.4	816	-0.5	2.21	9.5
GS-08-201	7740142	433	2	-99	27	24.2	65.3	5	310	30	17.6	119	7.8	10.8	4	119	-99	1.9	1.3	16.2	2754	-0.5	0.67	6.1
GS-08-204	7740143	1128	-1	-99	16	12.9	49.0	16	2409	7	12.8	81	15.9	8.0	-1	551	-99	0.6	1.1	6.7	7268	-0.5	0.44	1.8
GS-08-205	7740144	269	2	-99	26	23.4	65.4	2	126	28	18.6	141	4.7	10.7	3	73	-99	2.1	1.3	19.2	1735	-0.5	0.65	6.6
GS-08-206	7740145	358	1	-99	20	12.3	51.5	5	209	20	14.2	168	5.7	8.6	2	156	-99	1.4	1.0	17.5	2120	-0.5	0.57	6.7
GS-08-207	7740146	393	3	-99	27	14.0	62.4	4	257	30	17.3	123	7.0	10.7	2	108	-99	1.7	1.3	16.5	2616	-0.5	0.65	5.5
GS-08-208	7740147	186	4	-99	32	15.6	94.1	2	51	43	27.1	126	2.8	16.0	6	33	-99	2.6	2.2	36.2	1012	-0.5	1.33	9.9
GS-08-209	7740212	412	2	-99	35	26.2	122	9	426	37	32.8	14	7.6	20.3	3	121	-99	1.5	2.4	18.3	3021	-0.5	1.23	27.7
GS-08-210	7740213	622	2	-99	30	24.5	95.4	17	503	26	25.7	70	12.5	16.7	4	164	-99	1.4	2.2	16.4	3522	-0.5	1.18	4.8
GS-08-215	7740148	377	2	-99	27	14.0	61.4	4	280	29	17.1	132	7.5	10.3	2	105	-99	1.7	1.3	16.3	2606	-0.5	0.63	6.1
GS-08-217	7740149	1516	-1	-99	5	1.3	25.3	112	3171	6	5.3	25	30.3	5.4	-1	755	-99	-0.5	0.8	0.2	8852	-0.5	0.34	0.2
GS-08-224	7740151	1252	2	-99	4	3.2	18.0	424	859	8	4.4	65	26.0	3.5	1	527	-99	-0.5	0.4	3.8	2709	-0.5	0.16	2.2
GS-08-225	7740152	1378	-1	-99	14	8.5	36.8	41	1544	12	8.7	74	33.4	7.6	2	303	-99	0.6	1.2	5.2	10019	-0.5	0.65	4.7
GS-08-226	7740153	839	-1	-99	12	8.0	27.8	20	811	28	7.1	72	20.0	5.0	-1	392	-99	0.6	0.6	6.0	7439	-0.5	0.28	7.8
GS-08-229	7740154	626	2	-99	19	13.7	46.4	6	1030	20	12.2	112	8.7	8.6	2	329	-99	1.0	1.1	6.0	5242	-0.5	0.61	2.5
GS-08-233	7740155	1130	-1	-99	18	13.5	45.5	32	1308	33	11.5	23	21.1	8.2	2	416	-99	1.0	1.1	8.5	6623	-0.5	0.46	4.7
GS-08-234	7740156	1263	-1	-99	5	1.8	12.3	108	755	21	2.7	64	30.5	3.1	-1	410	-99	-0.5	0.6	0.5	6819	-0.5	0.30	6.0
GS-08-235	7740157	1016	1	-99	19	13.5	46.8	31	1357	35	12.1	18	21.2	8.4	2	357	-99	1.1	1.1	8.8	6937	-0.5	0.48	27.9
GS-08-247	7740198	395	-1	-99	12	-99	-99	5	53	37	-99	101	2.3	-99	-99	51	-99	-99	-99	-99	709	-99	-99	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Mn	Mo	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb	Th	Ti	Tl	Tm	U
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	1	2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1	0.1	1	0.1, 0.5	0.05	0.1
Analysis Method		ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-08-252B	7740259	561	-1	-99	9	-99	-99	-1	30	129	-99	12	3.6	-99	-99	344	-99	-99	-99	-99	1475	-99	-99	-99
GS-08-253	7740199	189	3	-99	38	-99	-99	4	15	12	-99	151	0.6	-99	-99	52	-99	-99	-99	-99	1253	-99	-99	-99
GS-08-256	7740201	148	-1	-99	9	-99	-99	4	112	51	-99	2	1.5	-99	-99	45	-99	-99	-99	-99	475	-99	-99	-99
GS-08-263	7740202	1733	-1	-99	10	2.0	8.4	46	414	10	1.5	12	48.7	2.8	-1	173	-99	-0.5	0.7	0.2	7704	-0.5	0.41	0.4
GS-08-282	7740203	638	-1	-99	31	-99	-99	6	151	15	-99	-2	1.4	-99	-99	67	-99	-99	-99	-99	1419	-99	-99	-99
GS-08-288	7740204	264	-1	-99	17	-99	-99	4	103	15	-99	129	2.8	-99	-99	62	-99	-99	-99	-99	1209	-99	-99	-99
GS-08-302	7740205	1600	-1	-99	18	-99	-99	51	2913	3	-99	28	35.3	-99	-99	291	-99	-99	-99	-99	19813	-99	-99	-99
GS-08-304	7740206	1439	-1	-99	15	-99	-99	45	4176	8	-99	26	35.3	-99	-99	207	-99	-99	-99	-99	8552	-99	-99	-99
GS-08-305	7740207	1239	-1	-99	6	-99	-99	138	811	-1	-99	47	30.0	-99	-99	583	-99	-99	-99	-99	5452	-99	-99	-99
GS-08-322	7740208	1828	-1	-99	11	-99	-99	54	415	19	-99	36	50.1	-99	-99	201	-99	-99	-99	-99	7894	-99	-99	-99
GS-09-009	7740261	229	-1	-99	2	-99	-99	1	234	-1	-99	11	1.7	-99	-99	127	-99	-99	-99	-99	788	-99	-99	-99
GS-09-010	7740262	217	-1	-99	3	-99	-99	2	531	-1	-99	24	2.7	-99	-99	142	-99	-99	-99	-99	1918	-99	-99	-99
GS-09-011	7740263	1715	-1	-99	7	-99	-99	70	183	-1	-99	4	41.2	-99	-99	250	-99	-99	-99	-99	3378	-99	-99	-99
GS-09-013	7740307	391	1	-99	3	-99	-99	3	227	2	-99	10	2.2	-99	-99	100	-99	-99	-99	-99	887	-99	-99	-99
GS-09-014	7740308	185	1	-99	3	-99	-99	2	271	1	-99	18	2.3	-99	-99	121	-99	-99	-99	-99	814	-99	-99	-99
GS-09-015	7740229	1666	-1	-99	8	-99	-99	119	243	-1	-99	32	37.7	-99	-99	129	-99	-99	-99	-99	4568	-99	-99	-99
GS-09-019	7740231	1629	-1	-99	29	-99	-99	55	5500	17	-99	45	24.3	-99	-99	253	-99	-99	-99	-99	20897	-99	-99	-99
GS-09-020	7740264	150	-1	-99	1	-1.0	2.0	-1	48	-1	0.6	15	1.0	0.4	-1	116	-99	-0.5	-0.1	0.6	511	-0.5	-0.05	3.7
GS-09-022	7740265	138	-1	-99	1	-99	-99	1	57	-1	-99	47	1.2	-99	-99	230	-99	-99	-99	-99	494	-99	-99	-99
GS-09-023	7740266	308	-1	-99	4	1.3	33.6	3	676	-1	10.4	26	3.4	4.4	-1	271	-99	-0.5	0.3	9.1	3299	-0.5	-0.05	2.4
GS-09-024	7740267	216	-1	-99	2	-99	-99	-1	216	2	-99	10	2.3	-99	-99	151	-99	-99	-99	-99	726	-99	-99	-99
GS-09-028	7740232	348	-1	-99	2	-99	-99	3	325	-1	-99	37	2.6	-99	-99	169	-99	-99	-99	-99	1187	-99	-99	-99
GS-09-035	7740268	306	-1	-99	3	-99	-99	4	549	-1	-99	67	5.3	-99	-99	117	-99	-99	-99	-99	1881	-99	-99	-99
GS-09-036	7740269	140	-1	-99	1	-99	-99	2	139	-1	-99	33	1.2	-99	-99	261	-99	-99	-99	-99	636	-99	-99	-99
GS-09-037	7740233	90	-1	-99	-1	-99	-99	-1	27	-1	-99	38	0.8	-99	-99	165	-99	-99	-99	-99	167	-99	-99	-99
GS-09-041	7740271	226	-1	-99	-1	-99	-99	3	502	3	-99	10	1.8	-99	-99	97	-99	-99	-99	-99	117	-99	-99	-99
GS-09-056	7740234	630	-1	-99	7	-99	-99	14	1075	31	-99	21	7.3	-99	-99	226	-99	-99	-99	-99	3866	-99	-99	-99
GS-09-064	7740235	452	-1	-99	4	-99	-99	8	615	-1	-99	54	5.0	-99	-99	409	-99	-99	-99	-99	2926	-99	-99	-99
GS-09-066	7740236	627	-1	-99	6	-99	-99	16	1104	-1	-99	46	8.6	-99	-99	354	-99	-99	-99	-99	3887	-99	-99	-99
GS-09-067	7740237	1372	-1	-99	11	-99	-99	90	522	-1	-99	100	42.4	-99	-99	160	-99	-99	-99	-99	8831	-99	-99	-99
GS-09-068	7740238	1237	-1	-99	11	-99	-99	70	484	-1	-99	52	37.7	-99	-99	185	-99	-99	-99	-99	8265	-99	-99	-99
GS-09-069	7740272	203	-1	-99	7	-99	-99	4	4974	2	-99	5	6.4	-99	-99	146	-99	-99	-99	-99	2626	-99	-99	-99
GS-09-073	7740239	603	-1	-99	7	-99	-99	15	1128	-1	-99	53	10.3	-99	-99	406	-99	-99	-99	-99	4154	-99	-99	-99
GS-09-075	7740273	57	-1	-99	4	-99	-99	-1	30	2	-99	7	1.5	-99	-99	113	-99	-99	-99	-99	261	-99	-99	-99
GS-09-077	7740274	1344	-1	-99	10	-99	-99	78	1864	-1	-99	18	28.7	-99	-99	431	-99	-99	-99	-99	10322	-99	-99	-99
GS-09-079	7740275	165	-1	-99	6	-99	-99	4	418	-1	-99	49	4.3	-99	-99	105	-99	-99	-99	-99	2056	-99	-99	-99
GS-09-080	7740241	1497	-1	-99	12	-99	-99	54	2411	8	-99	33	31.0	-99	-99	388	-99	-99	-99	-99	12640	-99	-99	-99
GS-09-084	7740242	2308	-1	-99	12	-99	-99	52	2599	4	-99	57	32.9	-99	-99	431	-99	-99	-99	-99	13825	-99	-99	-99
GS-09-087	7740276	461	-1	-99	7	-99	-99	5	516	-1	-99	-2	5.8	-99	-99	134	-99	-99	-99	-99	2251	-99	-99	-99
GS-09-088	7740277	492	1	-99	13	-99	-99	10	837	5	-99	39	11.9	-99	-99	251	-99	-99	-99	-99	4515	-99	-99	-99
GS-09-090	7740278	626	1	-99	10	-99	-99	18	737	-1	-99	49	12.9	-99	-99	247	-99	-99	-99	-99	4249	-99	-99	-99
GS-09-091	7740243	535	-1	-99	6	-99	-99	6	536	36	-99	6	10.2	-99	-99	160	-99	-99	-99	-99	1899	-99	-99	-99
GS-09-092	7740244	1135	-1	-99	10	-99	-99	31	910	13	-99	52	27.6	-99	-99	719	-99	-99	-99	-99	4468	-99	-99	-99
GS-09-094	7740245	1324	1	-99	13	-99	-99	14	782	-1	-99	45	20.7	-99	-99	156	-99	-99	-99	-99	4606	-99	-99	-99
GS-09-095	7740246	536	-1	-99	6	-99	-99	4	704	-1	-99	5	11.5	-99	-99	128	-99	-99	-99	-99	2644	-99	-99	-99
GS-09-098	7740279	415	-1	-99	11	-99	-99	-1	73	19	-99	162	5.5	-99	-99	68	-99	-99	-99	-99	529	-99	-99	-99
GS-09-099	7740281	1564	-1	-99	4	-99	-99	42	898	65	-99	47	21.1	-99	-99	435	-99	-99	-99	-99	2331	-99	-99	-99
GS-09-100	7740282	198	-1	-99	15	-99	-99	1	154	29	-99	-2	3.0	-99	-99	88	-99	-99	-99	-99	1108	-99	-99	-99
GS-09-101	7740247	377	-1	-99	20	-99	-99	-1	378	20	-99	-2	5.0	-99	-99	127	-99	-99	-99	-99	2531	-99	-99	-99
GS-09-111	7740283	1078	-1	-99	6	-99	-99	62	208	-1	-99	11	37.1	-99	-99	175	-99	-99	-99	-99	2587	-99	-99	-99
GS-09-112	7740284	575	-1	-99	13	-99	-99	23	227	33	-99	13	11.7	-99	-99	7	-99	-99	-99	-99	1109	-99	-99	-99
GS-09-114	7740285	1025	-1	-99	21	-99	-99	20	1138	-1	-99	18	43.4	-99	-99	28	-99	-99	-99	-99	14740	-99	-99	-99
GS-09-118	7740248	1561	-1	-99	22	-99	-99	21	4346	1	-99	26	37.7	-99	-99	225	-99	-99	-99	-99	18381	-99	-99	-99
GS-09-127	7740286	201	-1	-99	12	-99	-99	-1	58	9	-99	242	3.9	-99	-99	35	-99	-99	-99	-99	1050	-99	-99	-99
GS-09-128	7740249	1533	-1	-99	6	-99	-99	626	949	5	-99	75	17.3	-99	-99	166	-99	-99	-99	-99	3060	-99	-99	-99
GS-09-129	7740251	1534	-1	-99	8	-99	-99	36	898	29	-99	190	39.6	-99	-99	131	-99	-99	-99	-99	5179	-99	-99	-99
GS-09-134	7740287	302	-1	-99	11	-99	-99	-1	39	26	-99	180	4.1	-99	-99	22	-99	-99	-99	-99	948	-99	-99	-99
GS-09-137	7740288	962	-1	-99	8	-99	-99	94	266	-1	-99	10	42.9	-99	-99	68	-99	-99	-99	-99	5530	-99	-99	-99

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Mn	Mo	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb	Th	Ti	Tl	Tm	U
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	1	2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1	0.1	1	0.1, 0.5	0.05	0.1
Analysis Method		ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-09-148	7740252	1767	-1	-99	8	-99	-99	85	196	162	-99	12	43.9	-99	-99	216	-99	-99	-99	-99	4478	-99	-99	-99
GS-09-150	7740289	237	-1	-99	3	-99	-99	5	377	-1	-99	43	1.5	-99	-99	322	-99	-99	-99	-99	2017	-99	-99	-99
GS-09-151	7740291	2061	2	-99	2	-99	-99	19	921	110	-99	35	2.6	-99	-99	277	-99	-99	-99	-99	639	-99	-99	-99
GS-09-152	7740292	1213	-1	-99	1	-99	-99	5	185	5	-99	31	3.3	-99	-99	91	-99	-99	-99	-99	626	-99	-99	-99
GS-09-155	7740293	794	-1	-99	-1	-99	-99	6	1437	9	-99	23	2.0	-99	-99	75	-99	-99	-99	-99	460	-99	-99	-99
GS-09-157	7740294	2364	2	-99	-1	-99	-99	9	12406	88	-99	14	1.9	-99	-99	114	-99	-99	-99	-99	387	-99	-99	-99
GS-09-158	7740295	1055	-1	-99	3	-99	-99	14	542	-1	-99	57	3.4	-99	-99	141	-99	-99	-99	-99	1501	-99	-99	-99
GS-09-159	7740296	4124	3	-99	2	-99	-99	13	4772	42	-99	19	2.2	-99	-99	176	-99	-99	-99	-99	510	-99	-99	-99
GS-09-164	7740297	1870	-1	-99	21	-99	-99	-1	1466	-1	-99	10	37.6	-99	-99	104	-99	-99	-99	-99	14405	-99	-99	-99
GS-09-165	7740298	1742	11	-99	18	-99	-99	212	1701	41	-99	-2	10.0	-99	-99	58	-99	-99	-99	-99	1668	-99	-99	-99
GS-09-167	7740253	1525	-1	-99	19	-99	-99	27	1339	-1	-99	20	42.1	-99	-99	175	-99	-99	-99	-99	17640	-99	-99	-99
GS-09-172	7740254	1959	-1	-99	25	-99	-99	12	4966	2	-99	29	46.3	-99	-99	270	-99	-99	-99	-99	25325	-99	-99	-99
GS-09-177	7740299	1754	-1	-99	8	-1.0	7.1	88	270	23	1.4	168	45.6	2.5	-1	489	-99	-0.5	0.6	0.2	6076	-0.5	0.30	7.1
GS-09-185	7740255	1864	-1	-99	7	1.4	4.9	94	238	-1	0.8	14	45.9	1.8	1	129	-99	-0.5	0.4	-0.1	5334	-0.5	0.27	0.2
GS-09-188	7740256	828	-1	-99	9	-99	-99	7	663	-1	-99	149	16.0	-99	-99	508	-99	-99	-99	-99	3687	-99	-99	-99
GS-09-189	7740257	492	1	-99	9	4.7	37.6	7	163	20	11.8	142	5.2	4.8	2	98	-99	-0.5	0.4	9.6	1412	-0.5	0.15	2.2
GS-09-193	7740301	499	-1	-99	15	-99	-99	10	258	17	-99	70	8.1	-99	-99	149	-99	-99	-99	-99	3413	-99	-99	-99
GS-09-194	7740258	713	-1	-99	12	-99	-99	21	776	5	-99	4	11.4	-99	-99	247	-99	-99	-99	-99	3456	-99	-99	-99
GS-09-197	7740302	1544	-1	-99	10	-99	-99	56	424	70	-99	27	33.1	-99	-99	377	-99	-99	-99	-99	6859	-99	-99	-99
GS-09-199	7740303	1416	-1	-99	14	-99	-99	57	578	-1	-99	66	39.3	-99	-99	488	-99	-99	-99	-99	8598	-99	-99	-99
GS-09-200	7740304	1612	-1	-99	10	-99	-99	44	395	91	-99	12	34.6	-99	-99	606	-99	-99	-99	-99	6605	-99	-99	-99
GS-09-201	7740305	303	-1	-99	8	8.5	41.5	3	208	16	13.6	91	2.2	5.4	1	134	-99	0.6	0.5	13.5	1431	-0.5	0.17	2.6
GS-09-222	7740306	622	1	-99	8	-99	-99	75	336	-1	-99	43	39.4	-99	-99	125	-99	-99	-99	-99	7143	-99	-99	-99
GS-14-001	7740903	367	-99	-2	3	2.8	5.9	17	-99	3	1.6	47	5.4	1.2	-1	429	429	-0.5	0.1	1.3	1034	0.1	-0.05	0.5
GS-14-002	7740904	1471	-99	-2	3	3.1	11.6	71	-99	-1	2.5	50	37.7	2.8	-1	342	342	-0.5	0.5	0.7	6463	0.3	0.30	0.5
GS-14-006	7740905	61	-99	-2	-1	-1.0	3.6	2	-99	18	1.0	88	0.4	0.6	-1	294	294	-0.5	-0.1	1.2	251	0.3	-0.05	0.5
GS-14-007	7740906	341	-99	-2	6	5.8	32.2	7	-99	-1	9.5	46	4.1	4.6	-1	449	449	0.6	0.4	9.2	4073	0.1	0.07	4.8
GS-14-011	7740907	1524	-99	3	23	23.1	69.3	57	-99	16	16.3	15	24.3	14.4	2	159	159	1.5	2.1	2.0	21744	-0.5	0.93	8.1
GS-14-019	7740908	1013	-99	-2	6	6.2	14.1	9	-99	-1	3.4	138	9.0	3.4	-1	219	219	0.7	0.5	1.2	4521	0.3	0.17	3.4
GS-14-020	7740909	184	-99	-2	7	7.0	15.4	5	-99	-1	4.2	116	0.4	2.3	-1	276	276	0.6	0.3	4.6	805	0.2	0.17	4.5
GS-14-033	7740911	1478	-99	-2	3	3.4	42.8	64	-99	-1	8.9	84	37.4	8.8	1	299	299	0.8	1.2	1.0	14506	0.3	0.49	19.5
GS-14-035	7740912	1184	-99	-2	4	3.9	24.0	22	-99	-1	6.6	57	26.6	3.6	1	388	388	-0.5	0.4	2.2	4745	0.3	0.19	2.4
GS-14-038	7740913	1839	-99	-2	4	3.6	36.9	68	-99	-1	7.3	71	37.5	9.1	1	254	254	-0.5	1.3	1.0	11227	0.2	0.55	24.4
GS-14-039	7740914	154	-99	-2	1	1.3	7.8	3	-99	4	2.4	47	1.3	1.4	-1	232	232	-0.5	-0.1	2.8	581	0.1	-0.05	0.5
GS-14-040	7740915	136	-99	-2	2	1.8	3.4	4	-99	5	0.9	69	1.2	0.6	-1	232	232	-0.5	-0.1	1.0	445	0.2	-0.05	0.4
GS-14-043	7740917	900	-99	-2	5	4.6	18.5	33	-99	-1	4.8	47	18.2	3.4	-1	576	576	-0.5	0.4	2.2	5005	0.1	0.20	0.6
GS-14-049	7740918	1084	-99	-2	2	2.1	4.5	67	-99	-1	0.8	14	51.3	1.8	-1	73	73	-0.5	0.5	0.2	5051	-0.5	0.29	0.4
GS-14-054	7740919	1170	-99	-2	2	1.7	4.5	97	-99	-1	0.9	19	42.7	1.6	-1	108	108	-0.5	0.4	0.2	3665	-0.5	0.27	-0.1
GS-14-057	7741001	1522	-99	-2	3	2.7	8.3	54	-99	-1	1.6	8	28.2	2.2	-1	192	192	-0.5	0.7	0.6	1276	0.1	0.25	17.5
GS-14-060	7740921	102	-99	-2	10	10.3	38.2	11	-99	-1	10.9	55	11.0	6.7	3	66	66	1.0	0.9	19.8	2298	0.2	0.55	6.1
GS-14-063	7740922	1617	-99	-2	5	4.6	13.5	26	-99	-1	2.5	29	34.7	4.4	1	115	115	-0.5	1.1	0.4	7020	-0.5	0.64	0.8
GS-14-064	7740923	1386	-99	3	89	88.5	88.3	11	-99	-1	21.3	29	5.0	18.2	5	419	419	5.7	2.1	10.2	13807	-0.5	0.56	2.3
GS-14-065	7741002	1865	-99	-2	2	2.1	11.4	38	-99	-1	1.8	5	24.5	3.7	-1	165	165	-0.5	0.7	0.6	1018	-0.5	0.47	36.0
GS-14-067	7740924	1320	-99	-2	2	2.0	7.3	341	-99	-1	1.6	34	29.4	1.7	-1	266	266	-0.5	0.3	0.9	1324	0.1	0.11	0.4
GS-14-076	7740925	1296	-99	-2	2	2.0	4.7	86	-99	-1	0.9	5	40.9	1.8	-1	130	130	-0.5	0.4	0.2	4280	-0.5	0.24	-0.1
GS-14-077	7740926	1690	-99	-2	3	2.6	35.6	36	-99	7	7.4	33	26.8	7.7	-1	407	407	-0.5	1.1	0.7	12739	0.1	0.46	0.3
GS-14-078	7740927	1689	-99	-2	3	3.0	8.6	100	-99	-1	1.6	9	52.8	3.1	1	85	85	-0.5	0.7	0.3	8275	-0.5	0.44	0.1
GS-14-088	7740928	1541	-99	-2	2	2.0	33.0	50	-99	-1	7.0	30	27.5	7.3	1	655	655	-0.5	1.0	0.5	14045	0.1	0.44	0.3
GS-14-090	7740929	1399	-99	-2	2	2.4	5.3	96	-99	-1	1.0	5	48.0	1.9	-1	79	79	-0.5	0.5	0.2	5366	-0.5	0.28	-0.1
GS-14-091	7740931	1338	-99	-2	2	1.7	15.5	76	-99	-1	3.3	18	31.3	3.8	-1	443	443	-0.5	0.7	0.4	7541	-0.5	0.32	0.1
GS-14-092	7740932	216	-99	-2	2	2.5	2.2	4	-99	-1	0.6	29	2.2	0.4	-1	134	134	-0.5	-0.1	0.5	627	-0.5	-0.05	3.3
GS-14-094	7740933	322	-99	-2	2	1.6	1.3	9	-99	-1	0.3	30	2.9	0.4	-1	153	153	-0.5	-0.1	0.4	1218	-0.5	-0.05	4.8
GS-14-095	7740934	250	-99	-2	2	2.1	10.6	5	-99	-1	3.2	14	2.6	1.8	-1	133	133	-0.5	0.2	4.2	1959	-0.5	-0.05	4.9
GS-14-096	7740935	1492	-99	-2	2	2.3	8.9	109	-99	-1	1.8	6	40.2	2.8	1	990	990	-0.5	0.7	0.3	6164	-0.5	0.40	13.0
GS-14-097	7740936	1551	-99	-2	3	2.5	5.8	59	-99	-1	1.0	16	54.0	2.7	-1	104	104	-0.5	0.7	0.5	6257	-0.5	0.49	2.9
GS-14-099	7740937	2011	-99	-2	2	2.3	5.7	828	-99	3	1.0	3	25.7	1.7	-1	138	138	-0.5	0.3	0.2	2749	-0.5	0.12	0.7
GS-14-101	7740938	245	-99	-2	3	2.8	20.9	6	-99	-1	6.4	21	3.5	2.8	-1	215	215	-0.5	0.2	6.2	1813	-0.5	-0.05	4.2
GS-14-105	7740939	1032	-99	-2	23	22.6	59.9	60	-99	-1	14.4	71	27.1	12.6	3	125	125	-0.5	1.9	1.9	18873	0.2	0.89	1.1

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Mn	Mo	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb	Th	Ti	Tl	Tm	U
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	1	2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1	0.1	1	0.1, 0.5	0.05	0.1
Analysis Method		ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-14-106	7740941	388	-99	-2	4	4.3	24.9	23	-99	-1	6.5	39	8.6	5.2	1	222	222	-0.5	0.5	1.3	3277	-0.5	0.15	0.2
GS-14-107	7740942	1112	-99	-2	4	4.0	18.5	44	-99	-1	4.3	20	31.8	4.2	1	153	153	-0.5	0.6	2.1	6665	-0.5	0.31	0.7
GS-14-109	7740943	1013	-99	-2	2	2.0	3.4	106	-99	-1	0.8	20	42.8	1.4	-1	77	77	-0.5	0.3	0.2	4823	-0.5	0.21	-0.1
GS-14-112	7740944	371	-99	-2	5	4.5	16.2	7	-99	-1	3.8	8	91.9	6.7	-1	120	120	0.8	2.4	28.3	2152	-0.5	3.41	7.4
GS-14-113	7740945	1441	-99	-2	2	2.5	8.0	107	-99	3	1.5	16	31.3	2.0	-1	221	221	-0.5	0.4	0.6	2934	-0.5	0.23	5.9
GS-14-114	7740946	1548	-99	-2	-1	-1.0	3.7	69	-99	2	0.7	2	29.4	1.1	-1	278	278	-0.5	0.3	0.2	2184	-0.5	0.15	5.1
GS-14-115	7740947	1255	-99	-2	2	1.5	4.9	83	-99	5	0.9	12	47.6	1.7	-1	435	435	-0.5	0.4	0.2	4615	-0.5	0.31	8.8
GS-14-116	7740948	1555	-99	-2	2	1.7	30.9	48	-99	-1	6.5	23	28.1	7.0	2	468	468	-0.5	0.9	0.4	13943	0.1	0.41	0.2
GS-14-118	7740949	971	-99	-2	1	1.2	3.9	70	-99	2	0.7	4	35.7	1.3	-1	276	276	-0.5	0.3	0.2	3256	-0.5	0.21	2.2
GS-14-120	7740951	1287	-99	-2	2	1.6	5.4	58	-99	7	0.9	3	37.6	1.7	1	225	225	-0.5	0.4	0.2	3658	-0.5	0.24	75.8
GS-14-128	7740952	1210	-99	-2	2	1.9	3.9	77	-99	-1	0.8	3	44.1	1.5	-1	102	102	-0.5	0.4	0.2	3566	-0.5	0.22	0.5
GS-14-129	7740953	856	-99	-2	4	4.1	20.6	93	-99	-1	5.2	74	19.4	3.6	-1	574	574	-0.5	0.5	3.0	4913	-0.5	0.17	0.8
GS-14-130	7740954	192	-99	-2	8	7.5	19.0	8	-99	2	5.8	102	2.6	3.1	1	224	224	-0.5	0.3	8.3	1241	0.2	0.09	2.6
GS-14-131	7740955	900	-99	-2	5	4.7	18.0	295	-99	2	4.6	87	17.5	3.5	-1	601	601	-0.5	0.4	2.9	3859	-0.5	0.16	0.9
GS-14-132	7740956	1105	-99	-2	1	1.3	7.0	881	-99	1	1.9	28	4.1	1.6	-1	296	296	-0.5	0.2	1.0	1568	-0.5	0.09	0.3
GS-14-135	7740957	1202	-99	-2	2	2.1	11.4	397	-99	196	3.0	32	29.7	2.3	-1	204	204	-0.5	0.3	1.6	2833	0.1	0.18	0.6
GS-14-142	7740958	1221	-99	-2	2	1.8	4.5	90	-99	-1	0.8	4	52.8	1.7	-1	181	181	-0.5	0.4	0.2	5425	-0.5	0.29	-0.1
GS-14-160	7740963	519	-99	-2	8	8.1	28.8	7	-99	-1	7.4	-1	5.8	5.4	2	84	84	-0.5	0.7	8.2	1217	-0.5	0.47	6.2
GS-14-161	7741003	340	-99	-2	8	7.9	25.4	8	-99	34	8.2	128	5.2	7.5	1	70	70	0.8	0.7	12.8	1775	0.5	0.41	7.0
GS-14-169	7740964	440	-99	-2	10	9.6	29.8	8	-99	6	8.7	154	4.1	4.5	1	238	238	-0.5	0.5	8.6	1828	0.2	0.21	2.5
GS-14-170	7740965	410	-99	-2	13	12.8	30.0	9	-99	5	8.9	169	4.9	4.9	2	258	258	1.1	0.5	10.7	1857	0.3	0.22	2.2
GS-14-171	7740966	308	-99	-2	4	3.9	17.4	13	-99	-1	5.1	62	3.6	2.9	-1	150	150	-0.5	0.2	4.0	2367	0.2	-0.05	0.4
GS-14-172	7740967	308	-99	-2	9	9.4	32.1	9	-99	42	9.0	279	4.3	5.3	2	91	91	-0.5	0.4	10.7	1442	1.4	0.19	0.6
GS-14-173	7740968	1487	-99	2	5	4.8	12.2	53	-99	10	3.0	27	41.1	3.5	1	156	156	-0.5	0.6	1.7	7854	0.1	0.33	1.1
GS-14-174	7740969	289	-99	2	10	9.8	36.4	5	-99	18	11.5	94	2.6	5.5	-1	190	190	0.5	0.4	9.6	932	0.4	0.21	4.1
GS-14-176	7740971	866	-99	-2	6	6.0	14.5	22	-99	5	2.9	3	24.3	4.3	2	104	104	-0.5	0.8	0.6	7582	-0.5	0.52	6.8
GS-14-177	7740972	1320	-99	5	1	1.2	3.1	118	-99	-1	0.8	60	45.2	1.8	-1	436	436	-0.5	0.4	0.1	4593	0.3	0.21	0.5
GS-14-180	7740973	222	-99	-2	10	10.0	23.4	5	-99	7	7.0	147	2.4	3.9	1	116	116	-0.5	0.4	10.0	830	0.5	0.17	3.9
GS-14-181	7740974	1324	-99	-2	2	1.7	6.2	86	-99	-1	1.0	341	48.1	1.9	3	379	379	-0.5	0.4	0.1	5595	1.4	0.28	-0.1
GS-14-182	7741004	2419	-99	4	6	5.7	19.9	54	-99	4	5.3	195	24.8	4.3	-1	88	88	-0.5	0.4	4.7	5762	1.0	0.21	6.8
GS-14-184	7740975	328	-99	-2	3	2.9	13.6	18	-99	-1	3.3	37	5.5	2.0	-1	323	323	-0.5	0.2	2.1	2742	0.1	0.08	0.3
GS-14-186	7740976	244	-99	-2	2	2.3	9.0	10	-99	-1	2.8	64	2.7	1.5	-1	209	209	-0.5	0.1	0.8	2092	0.2	-0.05	0.4
GS-14-188	7740977	237	-99	-2	5	5.3	20.7	35	-99	1	5.8	113	8.8	3.4	-1	119	119	-0.5	0.5	8.6	2282	0.3	0.23	1.7
GS-14-192	7740978	440	-99	-2	3	3.1	19.3	14	-99	-1	4.4	56	10.8	4.2	-1	345	345	-0.5	0.4	0.3	3397	0.2	0.17	0.5
GS-14-197	7740979	1002	-99	-2	4	4.4	13.2	298	-99	3	3.2	61	26.7	3.1	-1	294	294	-0.5	0.4	4.6	3674	0.2	0.24	1.5
GS-14-198	7740981	959	-99	-2	3	3.0	13.1	274	-99	-1	3.6	35	25.7	3.1	-1	564	564	-0.5	0.4	3.0	3524	-0.5	0.20	1.0
GS-14-199	7740982	303	-99	-2	16	16.0	35.4	5	-99	25	9.9	211	4.9	5.4	3	108	108	0.9	0.7	16.7	1318	0.4	0.35	2.2
GS-14-200	7740983	253	-99	-2	15	15.3	35.8	3	-99	9	10.5	151	3.2	6.8	2	44	44	0.8	0.7	18.0	1240	0.4	0.58	3.8
GS-14-201	7740984	285	-99	-2	20	20.0	44.9	5	-99	1	13.8	235	5.0	8.0	6	37	37	1.2	0.9	22.0	1412	0.7	0.60	5.9
GS-14-203	7740985	251	-99	-2	16	15.7	37.7	3	-99	14	11.2	169	3.5	6.3	2	48	48	0.9	0.8	18.5	1244	0.4	0.50	4.2
GS-14-220	7740986	319	-99	4	20	20.3	64.8	5	-99	62	17.7	27	6.9	9.1	5	69	69	1.3	1.3	17.7	2499	0.1	0.71	8.3
GS-14-227	7740987	282	-99	-2	7	7.0	22.4	7	-99	2	6.8	95	4.7	2.0	-1	263	263	-0.5	0.2	7.8	2286	0.3	0.13	3.2
GS-14-230	7740988	594	-99	-2	34	33.8	122	11	-99	86	33.6	25	8.3	21.7	3	109	109	1.7	2.8	20.9	3564	-0.5	1.30	159
GS-14-232	7740989	351	-99	2	24	24.5	94.5	5	-99	38	24.7	12	4.7	14.2	3	69	69	2.0	1.7	20.2	1976	0.1	1.10	21.9
GS-14-245	7740991	1025	-99	-2	2	1.9	8.5	619	-99	-1	2.8	63	15.3	2.6	-1	327	327	-0.5	0.3	2.2	2220	-0.5	0.12	0.6
GS-14-246	7740992	566	-99	3	14	14.0	43.8	9	-99	10	12.2	80	12.2	7.5	1	357	357	0.9	1.1	6.8	4680	0.2	0.46	2.8
GS-14-247	7740993	996	-99	3	3	3.2	12.4	255	-99	-1	3.6	60	32.0	3.5	-1	427	427	-0.5	0.4	2.9	3232	-0.5	0.20	1.0
GS-14-249	7740994	188	-99	-2	23	23.0	57.0	4	-99	29	15.5	200	2.1	10.7	2	40	40	2.7	1.2	23.4	661	0.8	0.93	11.1
GS-14-252	7740995	545	-99	3	32	31.9	112	8	-99	12	33.8	103	8.3	20.1	3	113	113	2.0	2.3	19.1	3277	0.4	1.28	4.6
GS-15-015	7741017	507	-99	4	-99	11.0	22.2	12	-99	-1	6.2	8	13.7	3.7	1	-99	148	0.7	0.5	6.2	3880	-0.5	0.24	2.5
GS-15-016	7741018	90	-99	-2	-99	15.7	69.6	1	-99	1	19.8	4	1.6	10.6	4	-99	48	1.5	1.2	13.3	765	-0.5	0.54	3.1
GS-15-017	7741019	743	-99	-2	-99	12.6	26.9	11	-99	-1	7.7	40	15.3	4.5	1	-99	106	1.1	0.5	6.3	4406	-0.5	0.32	3.5
GS-15-018	7741021	134	-99	3	-99	27.4	67.5	3	-99	6	18.6	8	2.8	11.7	2	-99	88	2.2	1.3	10.6	1657	-0.5	0.56	2.2
GS-15-019	7741022	1593	-99	2	-99	35.5	45.3	475	-99	-1	10.0	12	26.9	10.7	3	-99	98	3.4	1.2	2.4	31384	-0.5	0.28	0.4
GS-15-020	7741023	1080	-99	-2	-99	2.8	4.4	79	-99	-1	0.8	7	40.4	1.6	-1	-99	171	0.5	0.4	-0.1	2627	-0.5	0.25	-0.1
GS-15-022	7741024	1024	-99	-2	-99	1.7	9.4	126	-99	-1	2.1	9	32.5	1.9	-1	-99	180	-0.5	0.3	0.6	829	-0.5	0.17	0.5
GS-15-027	7741025	1344	-99	-2	-99	1.1	12.6	91	-99	-1	2.7	39	28.4	3.2	-1	-99	591	-0.5	0.6	-0.1	6637	-0.5	0.27	-0.1
GS-15-029	7741026	1795	-99	-2	-99	2.1	31.7	28	-99	-1	6.7	25	30.5	6.7	1	-99	518	-0.5	1.0	0.2	14414	-0.5	0.40	-0.1

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Mn	Mo	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb	Th	Ti	Tl	Tm	U
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	1	2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1	0.1	1	0.1, 0.5	0.05	0.1
Analysis Method		ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-15-032	7741027	690	-99	-2	-99	-1.0	4.0	111	-99	-1	0.7	65	43.8	1.3	-1	-99	58	-0.5	0.3	-0.1	3582	-0.5	0.22	-0.1
GS-15-033	7741028	1294	-99	-2	-99	-1.0	3.9	97	-99	-1	0.7	9	48.2	1.6	-1	-99	138	-0.5	0.4	-0.1	4792	-0.5	0.21	-0.1
GS-15-034	7741029	1366	-99	-2	-99	-1.0	3.7	54	-99	9	0.8	9	49.2	1.3	-1	-99	144	-0.5	0.4	-0.1	3762	-0.5	0.23	9.7
GS-15-035	7741159	1761	-99	-2	-99	5.1	2.2	66	-99	3	0.5	1	32.4	0.9	-1	-99	211	1.5	0.2	0.2	1444	0.1	0.17	6.4
GS-15-039	7741031	1770	-99	2	-99	-1.0	2.7	49	-99	26	0.4	7	34.7	1.1	-1	-99	202	-0.5	0.3	-0.1	2190	-0.5	0.19	14.6
GS-15-041	7741032	1122	-99	-2	-99	3.3	16.1	32	-99	-1	4.0	32	19.9	3.3	-1	-99	303	-0.5	0.4	0.6	5665	-0.5	0.17	6.7
GS-15-043	7741033	1317	-99	-2	-99	-1.0	5.0	65	-99	-1	0.9	6	52.0	1.6	-1	-99	92	-0.5	0.4	-0.1	5433	-0.5	0.28	-0.1
GS-15-046	7741034	1829	-99	-2	-99	36.0	52.6	502	-99	-1	11.6	16	30.8	11.5	3	-99	94	3.2	1.5	2.6	34699	-0.5	0.29	0.5
GS-15-048	7741035	1240	-99	-2	-99	1.6	9.5	611	-99	-1	2.0	26	34.9	2.2	-1	-99	209	-0.5	0.3	0.3	2979	-0.5	0.10	-0.1
GS-15-049	7741036	1861	-99	-2	-99	1.5	5.2	82	-99	39	1.0	25	53.2	2.0	-1	-99	222	-0.5	0.5	-0.1	6453	-0.5	0.28	1.5
GS-15-051	7741037	1680	-99	-2	-99	5.6	23.5	42	-99	3	5.2	10	42.3	5.8	1	-99	124	-0.5	1.1	0.4	14257	-0.5	0.51	17.5
GS-15-053	7741038	3451	-99	-2	-99	6.6	16.7	38	-99	158	3.3	16	43.9	5.3	2	-99	135	0.6	1.2	0.2	20224	-0.5	0.73	21.2
GS-15-054	7741039	1498	-99	-2	-99	-1.0	2.8	41	-99	21	0.6	3	30.6	1.0	1	-99	195	-0.5	0.3	-0.1	2152	-0.5	0.21	15.1
GS-15-055	7741041	1482	-99	-2	-99	-1.0	2.8	40	-99	19	0.5	5	29.8	1.0	-1	-99	193	-0.5	0.3	-0.1	2026	-0.5	0.18	15.2
GS-15-056	7741042	1045	-99	3	-99	-1.0	3.2	41	-99	30	0.6	9	34.7	1.0	-1	-99	132	-0.5	0.3	-0.1	2940	-0.5	0.19	26.3
GS-15-057	7741043	1294	-99	-2	-99	1.3	4.7	86	-99	-1	0.9	11	48.8	1.6	-1	-99	148	-0.5	0.4	-0.1	5517	-0.5	0.28	-0.1
GS-15-061	7741044	1365	-99	-2	-99	2.8	16.4	64	-99	-1	4.3	77	25.0	3.2	-1	-99	119	-0.5	0.4	2.4	3421	-0.5	0.19	0.7
GS-15-062	7741045	699	-99	-2	-99	7.3	16.4	8	-99	3	4.9	40	6.1	2.2	-1	-99	64	0.9	0.2	7.1	2093	-0.5	0.12	1.7
GS-15-063	7741046	179	-99	2	-99	25.6	45.7	1	-99	31	12.6	266	2.2	8.7	2	-99	17	3.5	1.0	23.7	507	-0.5	0.62	8.2
GS-15-064	7741047	297	-99	18	-99	36.9	5.1	1	-99	44	1.2	345	1.9	1.8	3	-99	19	6.9	0.7	23.7	568	-0.5	0.77	9.2
GS-15-065	7741048	354	-99	-2	-99	48.7	69.8	3	-99	22	19.2	139	4.6	12.2	7	-99	81	2.1	1.6	15.8	3137	-0.5	0.79	7.0
GS-15-066	7741049	1223	-99	-2	-99	3.5	6.1	57	-99	6	1.5	31	24.5	1.2	-1	-99	286	-0.5	0.2	1.7	3442	-0.5	0.15	0.4
GS-15-068	7741051	434	-99	-2	-99	19.0	33.5	2	-99	6	8.6	96	8.4	6.3	2	-99	96	1.4	1.0	11.3	2957	-0.5	0.60	4.1
GS-15-069	7741052	491	-99	4	-99	20.5	67.0	2	-99	6	18.5	136	9.8	12.0	3	-99	100	1.5	1.4	16.6	3416	-0.5	0.71	3.9
GS-15-070	7741053	1111	-99	-2	-99	7.7	69.4	21	-99	14	16.4	46	18.2	11.6	-1	-99	1101	-0.5	1.1	1.0	12831	-0.5	0.30	1.6
GS-15-072	7741055	462	-99	3	-99	20.7	47.5	2	-99	24	12.3	142	8.1	9.2	3	-99	54	1.2	1.2	15.8	3326	-0.5	0.62	3.8
GS-15-073	7741056	361	-99	-2	-99	19.3	48.2	3	-99	9	13.0	75	9.4	8.3	2	-99	221	1.1	1.1	15.7	3854	-0.5	0.59	7.7
GS-15-074	7741057	135	-99	-2	-99	23.2	77.6	-1	-99	15	21.9	176	3.3	12.8	2	-99	22	1.7	1.5	22.0	543	-0.5	0.76	6.3
GS-15-075	7741058	1240	-99	4	-99	20.5	55.8	2	-99	74	15.2	22	18.9	10.3	2	-99	99	1.2	1.6	16.4	4060	-0.5	0.99	43.2
GS-15-076	7741059	555	-99	-2	-99	18.3	58.1	2	-99	34	15.7	114	10.1	9.5	3	-99	109	0.9	1.2	15.1	3509	-0.5	0.66	3.9
GS-15-077	7741061	398	-99	3	-99	30.6	107	2	-99	138	28.7	223	2.3	20.1	5	-99	21	2.0	2.9	20.3	1436	-0.5	1.52	5.6
GS-15-078	7741062	841	-99	3	-99	21.6	47.5	3	-99	24	12.7	102	9.4	8.5	3	-99	115	1.2	1.2	14.0	3065	-0.5	0.79	3.5
GS-15-082	7741063	316	-99	-2	-99	19.6	56.1	3	-99	19	15.2	145	5.7	9.4	3	-99	76	1.0	1.2	16.3	2116	-0.5	0.60	3.9
GS-15-083	7741064	346	-99	-2	-99	15.0	69.4	3	-99	15	18.9	129	6.1	11.9	2	-99	234	0.6	1.4	9.4	2821	-0.5	0.67	1.6
GS-15-084	7741065	493	-99	-2	-99	20.8	72.5	2	-99	20	19.8	140	7.7	11.6	2	-99	82	0.7	1.3	15.8	2625	-0.5	0.64	3.6
GS-15-085	7741066	382	-99	-2	-99	22.2	68.9	2	-99	24	18.7	167	6.8	11.3	3	-99	59	1.2	1.3	19.6	2345	-0.5	0.71	3.9
GS-15-086	7741067	970	-99	-2	-99	14.3	78.6	18	-99	2	20.2	73	16.5	12.8	2	-99	852	-0.5	1.2	2.7	9261	-0.5	0.40	0.9
GS-15-087	7741068	119	-99	3	-99	15.6	24.2	2	-99	24	7.3	152	3.3	4.3	-1	-99	107	0.7	0.5	19.2	957	-0.5	0.36	9.3
GS-15-090	7741069	573	-99	-2	-99	21.2	60.4	3	-99	14	15.5	129	12.9	11.4	4	-99	180	0.9	1.6	14.1	4317	-0.5	0.82	4.5
GS-15-091	7741071	305	-99	-2	-99	26.1	75.4	3	-99	20	20.2	216	6.6	12.9	3	-99	93	1.0	1.7	16.4	2494	-0.5	0.84	4.6
GS-15-092	7741072	159	-99	2	-99	20.1	46.0	2	-99	20	12.4	123	3.9	8.2	3	-99	68	1.0	1.1	18.3	1514	-0.5	0.59	3.0
GS-15-093	7741073	239	-99	-2	-99	16.9	60.7	2	-99	23	17.3	151	3.7	9.7	2	-99	40	0.7	1.1	16.5	1320	-0.5	0.50	3.8
GS-15-094	7741074	288	-99	4	-99	29.8	57.3	4	-99	31	16.2	46	2.7	12.3	6	-99	121	2.9	2.0	25.6	1142	-0.5	1.38	7.4
GS-15-095	7741075	379	-99	-2	-99	22.6	66.8	3	-99	30	18.4	190	7.5	10.6	3	-99	77	1.0	1.4	17.3	2596	-0.5	0.70	4.0
GS-15-096	7741076	436	-99	-2	-99	24.1	59.1	3	-99	23	16.6	159	7.3	9.9	3	-99	87	1.1	1.3	18.5	2465	-0.5	0.73	4.9
GS-15-097	7741077	428	-99	-2	-99	28.7	80.8	2	-99	17	22.0	117	4.9	14.1	3	-99	81	1.2	2.0	20.1	1778	-0.5	1.15	10.9
GS-15-098	7741078	196	-99	-2	-99	27.4	74.1	3	-99	-1	20.6	306	4.0	12.2	3	-99	210	1.4	1.5	20.7	2963	-0.5	0.68	5.8
GS-15-099	7741079	361	-99	3	-99	22.3	57.1	3	-99	40	15.9	88	7.1	8.9	4	-99	79	2.4	1.1	14.7	2614	-0.5	0.53	15.5
GS-15-100	7741081	476	-99	4	-99	20.7	60.5	3	-99	35	16.9	157	8.1	10.2	3	-99	95	2.2	1.2	15.2	2919	-0.5	0.63	5.0
GS-15-101	7741082	600	-99	3	-99	20.5	53.4	2	-99	32	15.3	103	8.0	9.2	3	-99	98	2.1	1.2	15.2	2956	-0.5	0.63	4.3
GS-15-102	7741083	382	-99	-2	-99	20.1	35.6	2	-99	42	9.7	161	6.0	6.2	3	-99	76	2.0	0.9	13.0	2348	-0.5	0.53	4.7
GS-15-103	7741084	440	-99	2	-99	20.8	58.7	2	-99	12	16.5	154	9.1	10.2	3	-99	101	2.0	1.3	14.6	3278	-0.5	0.65	4.3
GS-15-104	7741085	418	-99	4	-99	19.1	48.1	2	-99	37	12.7	146	8.2	8.3	3	-99	75	1.9	1.0	14.2	3269	-0.5	0.54	4.6
GS-15-105	7741086	494	-99	-2	-99	18.2	41.5	2	-99	18	11.4	110	8.9	7.4	3	-99	114	1.7	1.0	13.9	3195	-0.5	0.62	4.2
GS-15-106	7741087	339	-99	3	-99	19.5	15.0	2	-99	25	4.2	248	2.0	3.3	3	-99	30	2.8	0.6	20.1	461	-0.5	0.44	7.8
GS-15-107	7741088	487	-99	-2	-99	19.5	57.0	3	-99	23	15.4	124	9.5	9.5	3	-99	138	1.8	1.2	14.0	3358	-0.5	0.59	4.7
GS-15-108	7741089	312	-99	2	-99	20.4	45.5	2	-99	42	12.9	132	5.5	7.9	3	-99	61	1.8	1.0	15.7	2203	-0.5	0.50	17.1
GS-15-109	7741091	411	-99	3	-99	19.9	52.5	3	-99	18	15.0	139	7.6	8.7	3	-99	95	1.8	1.1	15.0	2738	-0.5	0.58	3.2

Open File LAB/1692 - Appendix H1: Raw Data and Detection Limits - GSNL

SampleNum	LabNum	Mn	Mo	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb	Th	Ti	Tl	Tm	U
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	1	2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1	0.1	1	0.1, 0.5	0.05	0.1
Analysis Method		ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-15-111	7741092	299	-99	3	-99	20.2	57.7	2	-99	12	16.2	43	7.0	9.4	3	-99	58	1.8	1.2	15.3	2667	-0.5	0.62	8.2
GS-15-112	7741093	118	-99	-2	-99	17.8	42.0	2	-99	38	11.9	310	3.2	7.0	3	-99	47	1.8	0.9	14.8	1944	-0.5	0.49	3.2
GS-15-114	7741094	296	-99	-2	-99	18.4	45.4	2	-99	43	12.4	250	5.4	7.7	3	-99	36	1.8	1.1	13.6	2353	-0.5	0.50	4.8
GS-15-115	7741095	458	-99	-2	-99	18.4	48.3	2	-99	40	13.0	91	1.9	9.6	2	-99	24	2.4	1.4	12.4	470	-0.5	0.75	4.9
GS-15-117	7741096	960	-99	-2	-99	46.8	149	5	-99	49	40.5	239	4.9	26.1	7	-99	110	3.5	3.2	27.3	2882	-0.5	1.71	13.9
GS-15-118	7741097	1900	-99	-2	-99	19.7	61.0	2	-99	39	16.7	196	7.0	10.4	3	-99	36	1.5	1.2	15.9	2581	-0.5	0.64	7.7
GS-15-123	7741099	144	-99	-2	-99	14.1	26.4	2	-99	8	7.8	70	2.8	5.0	2	-99	157	1.7	0.7	21.3	998	-0.5	0.43	3.4
GS-15-124	7741101	702	-99	3	-99	18.0	76.6	8	-99	6	21.3	70	16.3	12.7	2	-99	231	0.8	1.2	10.2	5556	-0.5	0.52	2.3
GS-15-126	7741102	243	-99	-2	-99	13.0	81.8	3	-99	5	22.5	117	5.6	12.1	1	-99	95	-0.5	1.1	11.0	2220	-0.5	0.48	1.8
GS-15-128	7741103	914	-99	-2	-99	13.0	41.6	22	-99	32	11.1	29	23.5	7.8	2	-99	206	0.5	1.0	7.5	6917	-0.5	0.42	24.7
GS-15-129	7741104	772	-99	-2	-99	17.8	47.1	20	-99	39	12.2	8	21.8	9.3	2	-99	265	0.6	1.3	9.1	6019	-0.5	0.55	90.1
GS-15-130	7741105	894	-99	-2	-99	2.4	30.5	35	-99	13	7.6	59	21.4	5.0	-1	-99	1075	-0.5	0.4	1.8	5414	-0.5	0.15	2.6
GS-15-131	7741106	586	-99	-2	-99	27.0	77.6	4	-99	18	22.3	130	4.8	13.1	4	-99	135	1.5	1.9	25.2	2769	-0.5	1.06	7.9
GS-15-132	7741107	225	-99	-2	-99	41.8	118	1	-99	14	32.8	223	1.7	23.2	6	-99	56	2.6	3.5	41.5	1391	-0.5	1.99	16.4
GS-15-133	7741108	754	-99	3	-99	20.0	63.4	3	-99	20	17.2	145	10.2	12.0	3	-99	117	0.7	1.5	14.8	5039	-0.5	0.83	5.6
GS-15-135	7741109	127	-99	-2	-99	19.3	19.8	-1	-99	32	5.6	120	0.6	4.4	10	-99	59	1.6	0.9	12.3	859	-0.5	0.69	1.4
GS-15-136	7741111	679	-99	-2	-99	23.8	64.5	11	-99	4	16.9	36	5.6	12.2	4	-99	83	1.6	1.5	18.7	1663	-0.5	0.75	4.8
GS-15-138	7741112	526	-99	2	-99	27.7	105	1	-99	21	29.2	171	2.5	18.2	4	-99	19	1.4	2.4	26.4	1665	-0.5	1.31	8.3
GS-15-139	7741113	167	-99	-2	-99	17.3	34.1	2	-99	12	9.0	79	2.2	7.5	2	-99	32	1.3	1.2	24.3	600	-0.5	0.73	6.2
GS-15-143	7741114	1507	-99	-2	-99	1.1	12.6	74	-99	20	2.8	40	28.4	2.6	-1	-99	438	-0.5	0.6	0.4	7066	-0.5	0.26	3.2
GS-15-144	7741115	757	-99	3	-99	19.1	61.2	4	-99	18	16.9	127	11.6	11.2	3	-99	155	-0.5	1.5	12.9	5325	-0.5	0.80	5.1
GS-15-147	7741116	517	-99	-2	-99	10.6	35.3	12	-99	20	9.5	189	10.8	6.4	2	-99	141	-0.5	0.7	10.6	3636	-0.5	0.35	5.6
GS-15-148	7741117	927	-99	-2	-99	16.2	42.2	19	-99	94	11.1	8	19.3	7.6	2	-99	330	-0.5	0.9	7.8	6691	-0.5	0.39	103
GS-15-149	7741118	550	-99	-2	-99	5.3	19.0	34	-99	36	5.2	86	18.9	4.0	2	-99	519	-0.5	0.5	5.0	5911	-0.5	0.24	9.4
GS-15-150	7741119	1068	-99	-2	-99	3.4	16.0	183	-99	39	4.2	109	23.0	3.5	1	-99	542	-0.5	0.5	3.7	5074	-0.5	0.20	3.0
GS-15-151	7741121	324	-99	-2	-99	11.4	43.1	2	-99	16	12.1	43	3.0	7.2	2	-99	47	-0.5	0.8	16.9	990	-0.5	0.59	6.3
GS-15-152	7741122	321	-99	-2	-99	24.9	67.5	2	-99	18	20.0	233	2.5	11.7	4	-99	15	1.1	1.7	24.6	1212	-0.5	0.89	5.9
GS-15-153	7741123	280	-99	2	-99	28.2	63.7	2	-99	12	18.4	221	2.1	10.3	7	-99	11	3.1	1.2	23.6	1009	0.1	0.70	16.8
GS-15-154	7741124	3689	-99	-2	-99	7.5	24.4	26	-99	24	5.6	226	40.3	5.7	1	-99	333	1.1	1.1	1.8	11393	-0.5	0.51	20.8
GS-15-155	7741125	476	-99	-2	-99	27.4	61.5	8	-99	19	17.9	106	5.6	10.3	6	-99	14	2.8	1.2	23.5	2167	-0.5	0.90	19.7
GS-15-163	7741126	1836	-99	-2	-99	8.6	23.5	175	-99	-1	6.1	141	30.7	4.0	-1	-99	287	0.8	0.4	0.8	2033	-0.5	0.23	2.7
GS-15-164	7741127	2234	-99	-2	-99	1.5	4.7	26	-99	-1	1.0	48	19.9	1.8	-1	-99	237	-0.5	0.4	-0.1	1377	-0.5	0.20	-0.1
GS-15-165	7741128	1053	-99	-2	-99	11.7	98.7	159	-99	9	26.1	65	21.9	14.2	1	-99	306	0.8	1.0	8.2	5713	-0.5	0.22	4.2
GS-15-167	7741129	889	-99	-2	-99	14.2	42.3	7	-99	28	11.3	122	12.9	7.5	3	-99	332	1.3	0.9	10.8	5521	-0.5	0.43	3.0
GS-15-168	7741131	36	-99	-2	-99	11.7	4.1	2	-99	15	1.0	156	6.5	0.9	1	-99	116	0.9	0.2	8.5	3058	-0.5	0.14	2.5
GS-15-169	7741132	1455	-99	-2	-99	8.8	38.2	38	-99	4	8.9	63	34.6	8.3	2	-99	191	1.0	1.3	2.8	16529	-0.5	0.67	0.6
GS-15-170	7741133	295	-99	2	-99	14.8	34.7	3	-99	8	10.0	162	5.4	6.0	2	-99	183	1.3	0.7	13.5	2349	-0.5	0.36	3.7
GS-15-171	7741134	1037	-99	-2	-99	3.0	13.5	95	-99	-1	3.2	63	31.7	2.8	-1	-99	408	-0.5	0.4	1.5	4504	-0.5	0.18	0.5
GS-15-172	7741135	1090	-99	-2	-99	5.4	21.6	79	-99	1	5.1	111	32.8	4.5	2	-99	530	-0.5	0.6	3.2	4436	-0.5	0.29	1.0
GS-15-173	7741136	190	-99	-2	-99	15.6	53.2	2	-99	19	14.9	240	6.5	10.2	5	-99	91	1.7	1.4	18.5	2203	-0.5	0.82	3.6
GS-15-177	7741137	567	-99	12	-99	39.2	55.5	2	-99	272	14.1	565	1.9	14.4	6	-99	82	3.5	2.5	29.9	1097	-0.5	1.91	55.1
GS-15-178	7741138	357	-99	-2	-99	28.6	47.8	1	-99	26	12.6	116	1.3	9.9	5	-99	33	2.3	1.7	18.8	774	-0.5	1.05	46.6
GS-15-183	7741139	154	-99	-2	-99	14.4	24.2	3	-99	11	6.3	100	3.0	4.7	2	-99	28	0.9	0.7	9.9	864	-0.5	0.42	7.2
GS-15-184	7741141	340	-99	-2	-99	11.5	14.5	2	-99	5	3.6	54	1.2	2.8	2	-99	39	0.7	0.4	9.0	659	-0.5	0.26	12.3
GS-15-190	7741142	374	-99	3	-99	30.6	51.1	2	-99	27	16.0	253	2.6	7.7	7	-99	76	2.1	0.9	49.8	1515	-0.5	0.52	12.1
GS-15-191	7741143	347	-99	-2	-99	13.3	27.7	2	-99	20	8.1	116	2.7	4.5	3	-99	132	1.0	0.5	17.7	1016	-0.5	0.25	8.3
GS-15-196	7741144	726	-99	-2	-99	8.8	31.1	27	-99	15	8.6	47	18.9	4.8	-1	-99	141	-0.5	0.5	6.6	2758	-0.5	0.16	11.3
GS-15-197	7741145	215	-99	-2	-99	19.5	56.9	1	-99	4	15.6	106	3.8	10.8	5	-99	23	1.7	1.4	26.1	535	-0.5	0.74	7.0
GS-15-198	7741146	311	-99	-2	-99	27.7	80.8	4	-99	6	21.9	5	5.4	12.4	4	-99	77	1.7	1.2	16.2	2347	-0.5	0.52	11.1
GS-15-199	7741147	1644	-99	-2	-99	41.6	56.5	462	-99	-1	12.6	18	18.2	12.7	3	-99	115	2.3	1.5	3.1	29491	-0.5	0.20	0.6
GS-15-200	7741148	1578	-99	-2	-99	42.3	55.7	449	-99	-1	12.3	23	19.1	12.3	4	-99	198	2.7	1.4	3.1	28722	-0.5	0.19	0.7
GS-15-201	7741149	1596	-99	-2	-99	1.6	1.4	25	-99	-1	0.2	10	2.3	0.4	-1	-99	168	-0.5	-0.1	-0.1	218	-0.5	-0.05	-0.1
GS-15-202	7741151	399	-99	-2	-99	5.5	21.1	6	-99	2	5.9	5	3.8	3.6	1	-99	191	-0.5	0.4	5.9	1245	-0.5	0.18	1.8
GS-15-204	7741152	1009	-99	-2	-99	1.9	11.5	22	-99	4	2.6	98	33.7	2.4	-1	-99	153	-0.5	0.3	1.3	3041	-0.5	0.14	0.2

SampleNum	LabNum	V	V	W	Y	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	5	1	1	1	0.1	1	1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-FUS
GS-07-001	7740001	24	-99	-99	87	-99	-99	127	478
GS-07-008	7740158	66	-99	-99	114	-99	-99	67	731
GS-07-010	7740002	4	-99	-99	82	-99	-99	180	483
GS-07-011	7740159	22	-99	-99	84	-99	-99	171	522
GS-07-018	7740003	351	-99	-99	43	-99	-99	133	244
GS-07-020	7740161	26	-99	-99	82	-99	-99	74	475
GS-07-021	7740004	308	-99	-99	21	-99	-99	145	96
GS-07-022	7740162	320	-99	-99	29	-99	-99	215	117
GS-07-024	7740005	2	-99	-99	83	-99	-99	115	507
GS-07-025	7740006	192	-99	-99	18	-99	-99	98	98
GS-07-027	7740007	215	-99	-99	35	-99	-99	1732	81
GS-07-028	7740008	140	-99	-99	15	-99	-99	142	99
GS-07-029	7740069	1	-99	-99	83	-99	-99	216	496
GS-07-030	7740009	162	-99	-99	21	-99	-99	136	108
GS-07-034	7740163	-1	-99	-99	71	-99	-99	169	519
GS-07-037	7740071	181	-99	-99	32	-99	-99	917	67
GS-07-039	7740072	351	-99	-99	44	-99	-99	798	231
GS-07-044	7740164	142	-99	-99	15	-99	-99	96	95
GS-07-047	7740011	72	-99	-99	11	-99	-99	104	157
GS-07-052	7740012	115	-99	-99	11	-99	-99	98	182
GS-07-055	7740165	21	-99	-99	7	-99	-99	81	134
GS-07-061	7740166	86	-99	-99	11	-99	-99	91	166
GS-07-067	7740167	90	-99	-99	12	-99	-99	84	155
GS-07-072	7740168	166	-99	-99	18	-99	-99	119	105
GS-07-075	7740169	292	-99	-99	9	-99	-99	316	38
GS-07-076	7740171	24	-99	-99	8	-99	-99	78	148
GS-07-077	7740172	5	-99	-1	3	-99	0.3	23	69
GS-07-078	7740173	24	-99	-1	4	-99	0.4	61	141
GS-07-090	7740013	174	-99	-99	14	-99	-99	145	51
GS-07-091	7740014	221	-99	-99	20	-99	-99	227	60
GS-07-093	7740174	29	-99	-1	3	-99	0.3	48	124
GS-07-094	7740015	5	-99	-99	10	-99	-99	8	19
GS-07-098	7740016	269	-99	-99	18	-99	-99	320	326
GS-07-101	7740017	6	-99	-99	3	-99	-99	20	50
GS-07-102	7740175	187	-99	-99	15	-99	-99	90	67
GS-07-104	7740018	12	-99	-99	2	-99	-99	23	104
GS-07-105	7740019	98	-99	-99	9	-99	-99	112	33
GS-07-108	7740176	256	-99	-99	17	-99	-99	492	53
GS-07-109	7740021	260	-99	-99	20	-99	-99	200	56
GS-07-110	7740177	-1	-99	-99	2	-99	-99	13	54
GS-07-113	7740022	143	-99	-99	25	-99	-99	94	159
GS-07-118	7740023	88	-99	-99	9	-99	-99	54	146
GS-07-120	7740024	256	-99	-99	25	-99	-99	97	81
GS-07-123	7740025	187	-99	-99	29	-99	-99	87	169
GS-07-132	7740026	371	-99	-1	21	-99	2.0	132	90
GS-07-147	7740073	-1	-99	-99	3	-99	-99	9	70
GS-07-148	7740074	1	-99	-99	9	-99	-99	3	30
GS-07-151	7740027	9	-99	-99	34	-99	-99	27	1385
GS-07-159	7740028	197	-99	-1	8	-99	0.7	101	18
GS-07-161	7740029	353	-99	-1	24	-99	2.4	111	95
GS-07-162	7740031	196	-99	-1	18	-99	1.7	86	100
GS-07-163	7740032	187	-99	-1	13	-99	1.3	59	80
GS-07-164	7740033	144	-99	-1	13	-99	1.2	51	69
GS-07-167	7740034	292	-99	-1	15	-99	1.8	101	39
GS-07-170	7740067	188	-99	2	12	-99	1.3	58	84
GS-07-171	7740035	-1	-99	-1	26	-99	2.6	39	244
GS-07-172	7740075	73	-99	-99	9	-99	-99	102	152
GS-07-173	7740076	136	-99	-99	18	-99	-99	108	200

SampleNum	LabNum	V	V	W	Y	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	5	1	1	1	0.1	1	1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-FUS
GS-07-174A	7740036	318	-99	-99	25	-99	-99	216	97
GS-07-176	7740077	6	-99	-99	12	-99	-99	8	45
GS-07-177	7740178	84	-99	-99	11	-99	-99	106	169
GS-07-179	7740037	32	-99	-99	-1	-99	-99	12	13
GS-07-181	7740179	135	-99	-99	3	-99	-99	88	150
GS-07-182	7740038	12	-99	-99	4	-99	-99	13	11
GS-07-186	7740039	86	-99	-99	14	-99	-99	111	182
GS-07-187	7740041	-1	-99	-99	-1	-99	-99	11	6
GS-07-188	7740042	224	-99	-99	43	-99	-99	148	226
GS-07-193	7740078	2	-99	-99	21	-99	-99	9	38
GS-07-195	7740079	2	-99	-99	9	-99	-99	21	59
GS-07-197	7740043	324	-99	-1	18	-99	1.7	107	64
GS-07-198	7740044	358	-99	-1	21	-99	2.2	145	88
GS-07-199	7740045	394	-99	-1	22	-99	2.4	100	92
GS-07-204	7740046	47	-99	-1	35	-99	3.5	1035	351
GS-07-213	7740047	198	-99	-1	22	-99	2.2	128	87
GS-07-214	7740048	4	-99	-1	117	-99	11.4	71	609
GS-07-215	7740049	101	-99	-1	18	-99	1.7	133	124
GS-07-216	7740051	88	-99	-1	23	-99	2.5	99	209
GS-07-218	7740182	176	-99	-1	15	-99	1.4	83	68
GS-07-220	7740052	81	-99	-1	34	-99	3.1	193	269
GS-07-222	7740183	196	-99	-1	20	-99	2.0	189	63
GS-07-225	7740068	-1	-99	-1	62	-99	6.4	65	371
GS-07-226	7740184	6	-99	-1	70	-99	7.2	59	504
GS-07-230	7740053	7	-99	-1	134	-99	16.3	18	629
GS-07-231	7740054	64	-99	-1	32	-99	2.8	86	131
GS-07-232	7740055	-1	-99	-1	48	-99	4.9	66	506
GS-07-233	7740185	241	-99	-1	17	-99	1.7	102	79
GS-07-234	7740056	-1	-99	-1	47	-99	5.0	70	510
GS-07-235	7740057	-1	-99	-1	46	-99	4.5	49	433
GS-07-238	7740058	-1	-99	-1	94	-99	10.0	111	634
GS-07-239	7740186	326	-99	-1	32	-99	2.7	142	110
GS-07-240	7740059	-1	-99	-1	81	-99	7.6	82	468
GS-07-241	7740061	-1	-99	4	48	-99	4.5	23	495
GS-07-244	7740187	-1	-99	-1	43	-99	4.5	71	507
GS-07-245	7740188	203	-99	3	30	-99	2.9	116	120
GS-07-247	7740189	193	-99	-1	23	-99	1.8	146	87
GS-07-248	7740062	-1	-99	-1	48	-99	4.7	66	487
GS-07-249	7740063	-1	-99	-1	93	-99	9.0	95	818
GS-07-251	7740064	19	-99	-1	121	-99	13.3	2075	806
GS-07-252	7740065	-1	-99	-1	45	-99	4.7	69	519
GS-07-254	7740066	173	-99	6	20	-99	1.9	98	124
GS-07-261	7740081	-1	-99	-99	6	-99	-99	31	46
GS-08-007	7740082	76	-99	-99	15	-99	-99	37	212
GS-08-008	7740083	72	-99	-99	15	-99	-99	465	217
GS-08-016	7740084	473	-99	-99	37	-99	-99	134	114
GS-08-017	7740085	321	-99	-1	20	-99	2.1	125	77
GS-08-025	7740086	323	-99	-1	18	-99	2.0	134	71
GS-08-027	7740087	311	-99	-1	18	-99	1.8	108	68
GS-08-035	7740088	168	-99	-1	6	-99	0.8	57	14
GS-08-036	7740089	305	-99	-1	18	-99	2.0	171	69
GS-08-037	7740091	297	-99	-1	18	-99	1.8	130	69
GS-08-043	7740092	339	-99	-1	23	-99	2.4	107	93
GS-08-044	7740093	342	-99	-1	22	-99	2.5	111	97
GS-08-045	7740094	337	-99	-1	19	-99	2.1	97	74
GS-08-050	7740095	292	-99	-1	5	-99	2.3	82	179
GS-08-053	7740096	255	-99	-99	5	-99	-99	74	37
GS-08-063	7740097	532	-99	-99	9	-99	-99	81	30

SampleNum	LabNum	V	V	W	Y	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	5	1	1	1	0.1	1	1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-FUS
GS-08-068	7740098	265	-99	-99	7	-99	-99	75	40
GS-08-074	7740099	2	-99	-99	35	-99	-99	20	148
GS-08-075	7740101	188	-99	-99	13	-99	-99	94	73
GS-08-076	7740102	2	-99	-99	58	-99	-99	28	162
GS-08-078	7740103	62	-99	-99	24	-99	-99	96	194
GS-08-079	7740104	62	-99	-99	24	-99	-99	87	198
GS-08-080	7740105	-1	-99	-99	20	-99	-99	67	148
GS-08-081	7740106	66	-99	-99	24	-99	-99	81	245
GS-08-082	7740107	1	-99	-99	48	-99	-99	28	184
GS-08-083	7740108	1	-99	-99	42	-99	-99	19	127
GS-08-084	7740109	-1	-99	-99	35	-99	-99	14	138
GS-08-088	7740111	1	-99	-99	20	-99	-99	9	101
GS-08-089	7740112	3	-99	-99	33	-99	-99	73	161
GS-08-090	7740113	14	-99	-99	62	-99	-99	27	164
GS-08-092	7740114	4	-99	-99	57	-99	-99	25	175
GS-08-095	7740115	9	-99	-99	41	-99	-99	9	212
GS-08-104	7740116	178	-99	-99	13	-99	-99	84	101
GS-08-136	7740117	168	-99	-99	11	-99	-99	88	87
GS-08-137	7740118	-1	-99	-99	24	-99	-99	33	153
GS-08-152	7740119	57	-99	-99	15	-99	-99	36	206
GS-08-175	7740121	-1	-99	-1	42	-99	4.4	73	487
GS-08-176	7740122	-1	-99	-1	42	-99	4.5	41	433
GS-08-177	7740123	189	-99	-1	20	-99	2.2	219	106
GS-08-179	7740124	232	-99	-1	25	-99	2.4	139	99
GS-08-180	7740125	139	-99	-1	15	-99	1.9	86	49
GS-08-181	7740126	-1	-99	-1	43	-99	4.5	441	384
GS-08-182	7740127	-1	-99	-1	43	-99	4.5	21	348
GS-08-183	7740128	219	-99	-1	18	-99	1.8	112	78
GS-08-184	7740129	-1	-99	-1	45	-99	4.5	289	293
GS-08-185	7740131	-1	-99	3	82	-99	8.3	37	231
GS-08-187	7740132	-1	-99	3	61	-99	7.0	45	226
GS-08-188	7740133	210	-99	2	15	-99	1.8	100	57
GS-08-189	7740134	192	-99	-1	25	-99	2.2	161	172
GS-08-190	7740135	-1	-99	-1	55	-99	5.1	22	235
GS-08-191	7740136	-1	-99	8	45	-99	5.6	25	236
GS-08-193	7740137	-1	-99	1	68	-99	7.0	98	561
GS-08-195	7740211	2	-99	-1	21	-99	2.8	11	94
GS-08-196	7740138	-1	-99	1	89	-99	8.6	136	795
GS-08-198	7740139	-1	-99	3	82	-99	8.8	36	231
GS-08-199	7740141	-1	-99	3	129	-99	14.8	82	278
GS-08-201	7740142	-1	-99	2	44	-99	4.8	86	547
GS-08-204	7740143	101	-99	2	29	-99	3.1	97	161
GS-08-205	7740144	-1	-99	2	43	-99	4.7	61	366
GS-08-206	7740145	3	-99	-1	33	-99	3.8	35	289
GS-08-207	7740146	-1	-99	-1	44	-99	4.5	68	529
GS-08-208	7740147	-1	-99	1	86	-99	9.2	55	261
GS-08-209	7740212	8	-99	-1	84	-99	8.4	90	688
GS-08-210	7740213	34	-99	-1	80	-99	7.7	108	494
GS-08-215	7740148	-1	-99	-1	44	-99	4.3	79	488
GS-08-217	7740149	269	-99	-1	22	-99	2.1	127	51
GS-08-224	7740151	142	-99	-1	11	-99	1.0	86	66
GS-08-225	7740152	222	-99	-1	42	-99	4.3	118	235
GS-08-226	7740153	169	-99	-1	18	-99	2.0	130	146
GS-08-229	7740154	11	-99	-1	35	-99	3.7	71	314
GS-08-233	7740155	68	-99	-1	32	-99	3.0	116	290
GS-08-234	7740156	187	-99	-1	18	-99	2.0	140	64
GS-08-235	7740157	83	-99	-1	33	-99	3.1	183	333
GS-08-247	7740198	23	-99	-99	31	-99	-99	477	294

SampleNum	LabNum	V	V	W	Y	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	5	1	1	1	0.1	1	1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-FUS
GS-08-252B	7740259	40	-99	-99	23	-99	-99	177	397
GS-08-253	7740199	-1	-99	-99	55	-99	-99	30	560
GS-08-256	7740201	11	-99	-99	7	-99	-99	64	79
GS-08-263	7740202	439	-99	-1	27	-99	2.7	120	71
GS-08-282	7740203	113	-99	-99	112	-99	-99	143	822
GS-08-288	7740204	2	-99	-99	57	-99	-99	41	445
GS-08-302	7740205	266	-99	-99	43	-99	-99	150	213
GS-08-304	7740206	239	-99	-99	55	-99	-99	172	328
GS-08-305	7740207	198	-99	-99	17	-99	-99	93	45
GS-08-322	7740208	359	-99	-99	26	-99	-99	141	79
GS-09-009	7740261	18	-99	-99	11	-99	-99	22	99
GS-09-010	7740262	27	-99	-99	3	-99	-99	55	176
GS-09-011	7740263	234	-99	-99	14	-99	-99	189	26
GS-09-013	7740307	14	-99	-99	5	-99	-99	43	109
GS-09-014	7740308	17	-99	-99	5	-99	-99	35	110
GS-09-015	7740229	229	-99	-99	18	-99	-99	143	47
GS-09-019	7740231	145	-99	-99	59	-99	-99	189	432
GS-09-020	7740264	5	-99	-1	1	-99	0.1	17	69
GS-09-022	7740265	-1	-99	-99	1	-99	-99	26	65
GS-09-023	7740266	38	-99	-1	6	-99	0.3	55	236
GS-09-024	7740267	7	-99	-99	5	-99	-99	32	95
GS-09-028	7740232	15	-99	-99	5	-99	-99	31	120
GS-09-035	7740268	48	-99	-99	4	-99	-99	71	132
GS-09-036	7740269	11	-99	-99	2	-99	-99	19	92
GS-09-037	7740233	-1	-99	-99	2	-99	-99	8	36
GS-09-041	7740271	13	-99	-99	3	-99	-99	47	174
GS-09-056	7740234	267	-99	-99	13	-99	-99	80	178
GS-09-064	7740235	42	-99	-99	5	-99	-99	71	155
GS-09-066	7740236	77	-99	-99	10	-99	-99	105	97
GS-09-067	7740237	298	-99	-99	27	-99	-99	153	83
GS-09-068	7740238	279	-99	-99	26	-99	-99	145	86
GS-09-069	7740272	105	-99	-99	39	-99	-99	22	199
GS-09-073	7740239	75	-99	-99	12	-99	-99	98	166
GS-09-075	7740273	22	-99	-99	9	-99	-99	12	83
GS-09-077	7740274	226	-99	-99	24	-99	-99	103	81
GS-09-079	7740275	-1	-99	-99	5	-99	-99	20	132
GS-09-080	7740241	260	-99	-99	31	-99	-99	115	104
GS-09-084	7740242	268	-99	-99	33	-99	-99	159	109
GS-09-087	7740276	69	-99	-99	8	-99	-99	35	123
GS-09-088	7740277	89	-99	-99	13	-99	-99	47	191
GS-09-090	7740278	117	-99	-99	12	-99	-99	53	154
GS-09-091	7740243	217	-99	-99	10	-99	-99	39	176
GS-09-092	7740244	172	-99	-99	20	-99	-99	94	99
GS-09-094	7740245	133	-99	-99	16	-99	-99	113	157
GS-09-095	7740246	231	-99	-99	17	-99	-99	38	225
GS-09-098	7740279	13	-99	-99	34	-99	-99	41	219
GS-09-099	7740281	154	-99	-99	25	-99	-99	297	101
GS-09-100	7740282	92	-99	-99	69	-99	-99	23	644
GS-09-101	7740247	205	-99	-99	55	-99	-99	37	678
GS-09-111	7740283	319	-99	-99	11	-99	-99	81	35
GS-09-112	7740284	172	-99	-99	12	-99	-99	237	50
GS-09-114	7740285	427	-99	-99	29	-99	-99	141	188
GS-09-118	7740248	256	-99	-99	64	-99	-99	182	341
GS-09-127	7740286	-1	-99	-99	36	-99	-99	36	269
GS-09-128	7740249	118	-99	-99	10	-99	-99	87	69
GS-09-129	7740251	192	-99	-99	22	-99	-99	108	87
GS-09-134	7740287	-1	-99	-99	26	-99	-99	27	247
GS-09-137	7740288	277	-99	-99	17	-99	-99	82	47

SampleNum	LabNum	V	V	W	Y	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	5	1	1	1	0.1	1	1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-FUS
GS-09-148	7740252	261	-99	-99	15	-99	-99	96	32
GS-09-150	7740289	22	-99	-99	2	-99	-99	52	123
GS-09-151	7740291	147	-99	-99	14	-99	-99	278	35
GS-09-152	7740292	9	-99	-99	4	-99	-99	17	26
GS-09-155	7740293	16	-99	-99	11	-99	-99	12	19
GS-09-157	7740294	275	-99	-99	167	-99	-99	19	13
GS-09-158	7740295	46	-99	-99	11	-99	-99	25	141
GS-09-159	7740296	78	-99	-99	64	-99	-99	173	18
GS-09-164	7740297	13	-99	-99	45	-99	-99	132	230
GS-09-165	7740298	251	-99	-99	18	-99	-99	110	53
GS-09-167	7740253	504	-99	-99	38	-99	-99	136	170
GS-09-172	7740254	275	-99	-99	74	-99	-99	180	340
GS-09-177	7740299	1090	-99	-1	23	-99	2.2	194	44
GS-09-185	7740255	297	-99	-1	18	-99	1.8	82	43
GS-09-188	7740256	132	-99	-99	16	-99	-99	76	88
GS-09-189	7740257	151	-99	-1	11	-99	1.1	36	168
GS-09-193	7740301	37	-99	-99	19	-99	-99	61	108
GS-09-194	7740258	55	-99	-99	32	-99	-99	138	229
GS-09-197	7740302	1152	-99	-99	22	-99	-99	161	96
GS-09-199	7740303	521	-99	-99	23	-99	-99	124	113
GS-09-200	7740304	1314	-99	-99	25	-99	-99	136	171
GS-09-201	7740305	25	-99	-1	15	-99	1.6	22	167
GS-09-222	7740306	235	-99	-99	13	-99	-99	108	67
GS-14-001	7740903	-99	22	-1	-99	4	0.4	46	65
GS-14-002	7740904	-99	231	-1	-99	18	2.0	110	68
GS-14-006	7740905	-99	-5	-1	-99	-1	-0.1	13	47
GS-14-007	7740906	-99	52	-1	-99	7	0.4	79	215
GS-14-011	7740907	-99	162	-1	-99	63	6.1	215	472
GS-14-019	7740908	-99	140	-1	-99	12	1.2	118	50
GS-14-020	7740909	-99	13	-1	-99	10	1.3	24	155
GS-14-033	7740911	-99	217	-1	-99	33	3.1	166	106
GS-14-035	7740912	-99	162	-1	-99	11	1.3	112	92
GS-14-038	7740913	-99	309	-1	-99	38	3.5	170	117
GS-14-039	7740914	-99	8	-1	-99	3	0.2	21	71
GS-14-040	7740915	-99	10	-1	-99	2	0.1	17	51
GS-14-043	7740917	-99	130	-1	-99	13	1.4	83	95
GS-14-049	7740918	-99	262	-1	-99	16	2.0	211	42
GS-14-054	7740919	-99	255	-1	-99	15	1.8	81	43
GS-14-057	7741001	-99	745	2	-99	23	2.6	92	98
GS-14-060	7740921	-99	74	1	-99	31	3.8	21	283
GS-14-063	7740922	-99	381	-1	-99	39	4.2	98	112
GS-14-064	7740923	-99	96	-1	-99	47	3.7	130	534
GS-14-065	7741002	-99	395	1	-99	27	2.2	105	90
GS-14-067	7740924	-99	168	-1	-99	8	0.7	112	33
GS-14-076	7740925	-99	234	-1	-99	15	1.8	70	40
GS-14-077	7740926	-99	255	-1	-99	29	2.7	131	90
GS-14-078	7740927	-99	327	-1	-99	24	3.0	98	74
GS-14-088	7740928	-99	303	2	-99	27	2.8	139	91
GS-14-090	7740929	-99	266	1	-99	16	2.0	78	47
GS-14-091	7740931	-99	216	1	-99	21	2.1	98	65
GS-14-092	7740932	-99	12	-1	-99	2	0.2	25	56
GS-14-094	7740933	-99	23	-1	-99	2	0.4	48	105
GS-14-095	7740934	-99	20	2	-99	4	0.4	47	167
GS-14-096	7740935	-99	240	-1	-99	22	2.7	111	60
GS-14-097	7740936	-99	320	2	-99	24	3.1	168	88
GS-14-099	7740937	-99	132	1	-99	8	0.8	144	34
GS-14-101	7740938	-99	19	-1	-99	3	0.3	65	147
GS-14-105	7740939	-99	192	1	-99	56	5.8	164	479

SampleNum	LabNum	V	V	W	Y	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	5	1	1	1	0.1	1	1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-FUS
GS-14-106	7740941	-99	59	-1	-99	11	0.9	51	182
GS-14-107	7740942	-99	213	-1	-99	19	2.2	147	106
GS-14-109	7740943	-99	258	-1	-99	11	1.5	80	45
GS-14-112	7740944	-99	65	1	-99	64	45.6	43	302
GS-14-113	7740945	-99	609	3	-99	15	1.7	81	82
GS-14-114	7740946	-99	666	3	-99	11	1.2	111	44
GS-14-115	7740947	-99	453	3	-99	15	2.1	123	72
GS-14-116	7740948	-99	273	-1	-99	26	2.6	142	87
GS-14-118	7740949	-99	1148	6	-99	11	1.4	98	79
GS-14-120	7740951	-99	383	5	-99	15	1.8	111	122
GS-14-128	7740952	-99	220	-1	-99	12	1.7	95	40
GS-14-129	7740953	-99	137	-1	-99	12	1.3	75	104
GS-14-130	7740954	-99	7	-1	-99	7	0.7	30	143
GS-14-131	7740955	-99	114	-1	-99	10	0.9	70	106
GS-14-132	7740956	-99	75	3	-99	5	0.5	69	32
GS-14-135	7740957	-99	145	2	-99	10	1.1	86	49
GS-14-142	7740958	-99	227	2	-99	13	1.8	85	47
GS-14-160	7740963	-99	33	1	-99	27	3.0	18	192
GS-14-161	7741003	-99	62	2	-99	28	2.7	50	323
GS-14-169	7740964	-99	17	-1	-99	11	1.4	43	186
GS-14-170	7740965	-99	26	-1	-99	15	1.6	45	245
GS-14-171	7740966	-99	43	-1	-99	4	0.5	52	227
GS-14-172	7740967	-99	19	-1	-99	11	1.2	49	89
GS-14-173	7740968	-99	305	191	-99	18	2.3	156	95
GS-14-174	7740969	-99	7	3	-99	12	1.4	22	190
GS-14-176	7740971	-99	229	2	-99	29	3.9	63	203
GS-14-177	7740972	-99	257	1	-99	13	1.5	92	39
GS-14-180	7740973	-99	86	2	-99	11	1.1	23	129
GS-14-181	7740974	-99	282	1	-99	16	2.0	89	50
GS-14-182	7741004	-99	234	1	-99	16	1.4	180	125
GS-14-184	7740975	-99	29	-1	-99	5	0.3	56	158
GS-14-186	7740976	-99	21	-1	-99	2	0.2	34	156
GS-14-188	7740977	-99	31	-1	-99	13	1.5	55	470
GS-14-192	7740978	-99	53	-1	-99	11	1.1	87	274
GS-14-197	7740979	-99	124	-1	-99	11	1.3	61	69
GS-14-198	7740981	-99	136	-1	-99	12	1.5	62	79
GS-14-199	7740982	-99	10	1	-99	23	2.9	44	256
GS-14-200	7740983	-99	-5	2	-99	25	3.3	27	168
GS-14-201	7740984	-99	21	2	-99	29	4.0	22	177
GS-14-203	7740985	-99	-5	3	-99	24	2.9	27	157
GS-14-220	7740986	-99	12	8	-99	42	4.3	97	517
GS-14-227	7740987	-99	26	1	-99	9	0.7	65	147
GS-14-230	7740988	-99	40	3	-99	72	8.6	72	745
GS-14-232	7740989	-99	12	3	-99	58	6.3	100	455
GS-14-245	7740991	-99	109	-1	-99	6	0.9	71	54
GS-14-246	7740992	-99	59	2	-99	31	3.9	64	438
GS-14-247	7740993	-99	130	1	-99	12	1.4	76	77
GS-14-249	7740994	-99	25	-1	-99	42	4.8	33	209
GS-14-252	7740995	-99	15	-1	-99	76	9.0	78	755
GS-15-015	7741017	116	-99	1	-99	15	1.6	37	177
GS-15-016	7741018	6	-99	1	-99	35	3.8	6	348
GS-15-017	7741019	90	-99	1	-99	17	2.3	65	230
GS-15-018	7741021	17	-99	3	-99	35	3.1	11	455
GS-15-019	7741022	410	-99	2	-99	22	1.5	142	323
GS-15-020	7741023	255	-99	2	-99	14	1.6	70	39
GS-15-022	7741024	186	-99	1	-99	10	1.0	56	39
GS-15-027	7741025	206	-99	1	-99	18	1.8	96	55
GS-15-029	7741026	326	-99	-1	-99	26	2.4	141	86

SampleNum	LabNum	V	V	W	Y	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	5	1	1	1	0.1	1	1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-FUS
GS-15-032	7741027	254	-99	-1	-99	13	1.4	50	37
GS-15-033	7741028	273	-99	-1	-99	13	1.5	76	40
GS-15-034	7741029	1041	-99	1	-99	13	1.6	107	68
GS-15-035	7741159	523	-99	5	-99	10	1.3	125	44
GS-15-039	7741031	1014	-99	7	-99	12	1.2	199	136
GS-15-041	7741032	140	-99	-1	-99	11	0.9	117	80
GS-15-043	7741033	307	-99	-1	-99	15	1.8	82	44
GS-15-046	7741034	423	-99	-1	-99	24	1.5	131	334
GS-15-048	7741035	121	-99	-1	-99	7	0.6	87	34
GS-15-049	7741036	348	-99	2	-99	16	1.8	144	51
GS-15-051	7741037	657	-99	2	-99	32	3.4	161	181
GS-15-053	7741038	661	-99	4	-99	41	5.0	355	241
GS-15-054	7741039	768	-99	6	-99	12	1.2	203	89
GS-15-055	7741041	769	-99	6	-99	12	1.2	203	90
GS-15-056	7741042	3649	-99	6	-99	11	1.3	99	62
GS-15-057	7741043	294	-99	-1	-99	15	1.7	79	47
GS-15-061	7741044	147	-99	1	-99	10	1.2	35	71
GS-15-062	7741045	36	-99	1	-99	7	0.7	25	142
GS-15-063	7741046	4	-99	1	-99	35	4.4	16	208
GS-15-064	7741047	3	-99	2	-99	36	5.6	17	100
GS-15-065	7741048	94	-99	3	-99	46	5.2	25	505
GS-15-066	7741049	146	-99	1	-99	9	0.8	54	65
GS-15-068	7741051	12	-99	-1	-99	33	3.8	63	439
GS-15-069	7741052	13	-99	-1	-99	42	4.6	41	469
GS-15-070	7741053	189	-99	-1	-99	23	1.9	171	165
GS-15-072	7741055	15	-99	-1	-99	38	4.1	59	443
GS-15-073	7741056	27	-99	-1	-99	35	4.3	32	434
GS-15-074	7741057	2	-99	-1	-99	43	5.5	13	225
GS-15-075	7741058	17	-99	-1	-99	53	6.2	162	468
GS-15-076	7741059	12	-99	-1	-99	40	4.7	94	430
GS-15-077	7741061	1	-99	-1	-99	91	10.2	404	437
GS-15-078	7741062	13	-99	-1	-99	40	5.6	71	432
GS-15-082	7741063	5	-99	-1	-99	34	3.9	64	449
GS-15-083	7741064	21	-99	-1	-99	39	4.2	40	340
GS-15-084	7741065	6	-99	-1	-99	38	4.1	62	572
GS-15-085	7741066	6	-99	-1	-99	41	4.7	84	463
GS-15-086	7741067	141	-99	-1	-99	29	2.6	130	287
GS-15-087	7741068	13	-99	-1	-99	20	2.6	22	110
GS-15-090	7741069	11	-99	-1	-99	49	5.5	78	471
GS-15-091	7741071	23	-99	-1	-99	51	6.0	34	474
GS-15-092	7741072	2	-99	-1	-99	35	4.1	36	310
GS-15-093	7741073	2	-99	-1	-99	33	3.4	65	316
GS-15-094	7741074	8	-99	3	-99	78	9.5	59	287
GS-15-095	7741075	7	-99	-1	-99	41	4.7	84	515
GS-15-096	7741076	7	-99	-1	-99	40	5.0	80	481
GS-15-097	7741077	54	-99	-1	-99	61	8.3	27	518
GS-15-098	7741078	54	-99	-1	-99	41	5.0	15	554
GS-15-099	7741079	25	-99	4	-99	34	3.5	51	491
GS-15-100	7741081	14	-99	2	-99	39	4.3	76	463
GS-15-101	7741082	20	-99	2	-99	39	4.1	151	426
GS-15-102	7741083	16	-99	2	-99	31	3.6	54	459
GS-15-103	7741084	13	-99	1	-99	40	4.6	61	434
GS-15-104	7741085	15	-99	2	-99	32	3.8	69	442
GS-15-105	7741086	16	-99	1	-99	35	4.1	51	398
GS-15-106	7741087	2	-99	-1	-99	24	3.4	29	84
GS-15-107	7741088	33	-99	-1	-99	38	4.2	79	457
GS-15-108	7741089	38	-99	1	-99	34	3.5	57	436
GS-15-109	7741091	12	-99	1	-99	34	3.9	66	485

SampleNum	LabNum	V	V	W	Y	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	5	1	1	1	0.1	1	1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-FUS
GS-15-111	7741092	17	-99	2	-99	38	4.2	62	389
GS-15-112	7741093	17	-99	-1	-99	29	3.2	54	380
GS-15-114	7741094	66	-99	1	-99	31	3.6	69	509
GS-15-115	7741095	8	-99	-1	-99	45	5.2	61	184
GS-15-117	7741096	89	-99	-1	-99	96	11.4	87	834
GS-15-118	7741097	141	-99	-1	-99	39	4.6	219	488
GS-15-123	7741099	5	-99	-1	-99	25	2.9	17	176
GS-15-124	7741101	64	-99	-1	-99	34	3.5	61	418
GS-15-126	7741102	11	-99	-1	-99	30	3.4	21	609
GS-15-128	7741103	185	-99	-1	-99	29	2.7	91	338
GS-15-129	7741104	185	-99	-1	-99	36	3.1	121	453
GS-15-130	7741105	165	-99	-1	-99	10	1.0	115	95
GS-15-131	7741106	35	-99	-1	-99	64	7.1	37	453
GS-15-132	7741107	16	-99	-1	-99	118	13.5	22	681
GS-15-133	7741108	28	-99	-1	-99	48	5.5	91	585
GS-15-135	7741109	4	-99	-1	-99	38	5.1	14	259
GS-15-136	7741111	38	-99	-1	-99	47	5.5	103	235
GS-15-138	7741112	1	-99	-1	-99	76	9.0	77	657
GS-15-139	7741113	5	-99	-1	-99	47	5.6	17	132
GS-15-143	7741114	199	-99	-1	-99	18	2.0	180	69
GS-15-144	7741115	36	-99	-1	-99	48	5.6	89	578
GS-15-147	7741116	53	-99	-1	-99	21	2.4	81	246
GS-15-148	7741117	196	-99	-1	-99	26	2.9	168	364
GS-15-149	7741118	122	-99	-1	-99	16	1.7	91	133
GS-15-150	7741119	177	-99	-1	-99	13	1.5	97	95
GS-15-151	7741121	8	-99	-1	-99	32	3.9	43	319
GS-15-152	7741122	8	-99	2	-99	56	6.0	24	278
GS-15-153	7741123	13	-99	6	-99	38	4.9	38	257
GS-15-154	7741124	746	-99	7	-99	35	3.3	648	97
GS-15-155	7741125	303	-99	5	-99	44	5.8	94	294
GS-15-163	7741126	192	-99	2	-99	14	1.6	184	69
GS-15-164	7741127	133	-99	2	-99	13	1.1	39	20
GS-15-165	7741128	168	-99	3	-99	18	1.4	112	267
GS-15-167	7741129	109	-99	2	-99	27	2.8	63	242
GS-15-168	7741131	3	-99	2	-99	6	1.0	6	283
GS-15-169	7741132	267	-99	1	-99	41	4.5	158	252
GS-15-170	7741133	23	-99	2	-99	22	2.6	31	239
GS-15-171	7741134	181	-99	1	-99	12	1.2	65	74
GS-15-172	7741135	190	-99	1	-99	16	1.7	74	76
GS-15-173	7741136	11	-99	2	-99	46	5.1	40	462
GS-15-177	7741137	119	-99	2	-99	101	12.3	198	1100
GS-15-178	7741138	21	-99	1	-99	65	7.7	20	667
GS-15-183	7741139	56	-99	-1	-99	26	3.2	17	282
GS-15-184	7741141	19	-99	-1	-99	19	2.4	18	193
GS-15-190	7741142	6	-99	3	-99	33	4.3	36	377
GS-15-191	7741143	6	-99	1	-99	21	2.5	38	157
GS-15-196	7741144	169	-99	-1	-99	16	1.6	118	139
GS-15-197	7741145	23	-99	-1	-99	50	5.8	28	207
GS-15-198	7741146	451	-99	2	-99	34	4.6	30	537
GS-15-199	7741147	389	-99	-1	-99	26	1.6	132	329
GS-15-200	7741148	372	-99	-1	-99	27	1.7	125	327
GS-15-201	7741149	24	-99	-1	-99	4	0.2	37	7
GS-15-202	7741151	28	-99	-1	-99	17	1.8	12	173
GS-15-204	7741152	212	-99	-1	-99	13	1.3	113	51

Open File LAB/1692 - Appendix H2: Duplicates Data and Detection Limits - GSNL

DuplicateID	LabNum	Control	AnalysisYr	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total	Ag	As	Ba	Ba
Unit					wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	ppm	ppm	ppm	ppm
Lower Detection Limit					0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.05, 0.1	2	1	1
Analysis Method					ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Calc	Titr	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	ICPOES-FUS	Grav	Calc	ICPOES-HNO3	ICPOES-4Acid	ICPOES-4Acid	ICPOES-FUS
GS-07-024	7740005	original	2008, 2009	GSNL	76.03	11.54	3.36	1.94	1.28	0.18	0.64	4.18	4.10	0.276	0.066	0.026	0.41	100.80	-0.1	5	135	135
7740005	7740010	duplicate	2008, 2009	GSNL	75.72	11.62	3.39	2.12	1.13	0.18	0.63	4.24	4.13	0.275	0.067	0.027	0.43	100.70	-0.1	5	132	185
GS-07-132	7740026	original	2008, 2009, 2015	GSNL	45.90	15.10	17.12	2.30	13.34	6.82	8.37	2.25	1.63	1.389	0.279	0.121	0.91	99.91	-0.1	53	329	355
7740026	7740030	duplicate	2008, 2009, 2015	GSNL	45.53	15.03	16.97	2.11	13.37	6.77	8.30	2.22	1.63	1.389	0.277	0.121	0.95	99.18	-0.1	64	325	351
GS-07-179	7740037	original	2008, 2009	GSNL	79.55	12.35	0.33	0.08	0.22	0.31	0.37	6.89	0.13	0.022	0.008	0.008	0.88	100.86	0.3	2	35	36
7740037	7740050	duplicate	2008, 2009	GSNL	78.84	12.21	0.33	0.10	0.21	0.41	0.35	6.89	0.12	0.019	0.009	0.016	0.85	100.03	0.1	2	35	52
GS-07-225	7740068	original	2008, 2009, 2015	GSNL	70.86	13.80	2.61	0.71	1.71	0.34	1.10	3.94	5.41	0.360	0.044	0.077	0.52	99.06	-0.1	9	650	621
7740068	7740070	duplicate	2008, 2009, 2015	GSNL	71.69	14.00	2.69	0.83	1.68	0.39	1.10	3.98	5.45	0.373	0.045	0.077	0.53	100.33	-0.1	9	642	618
GS-08-007	7740082	original	2008, 2009, 2011	GSNL	61.53	16.50	3.84	-99	-99	1.36	2.90	5.80	1.80	0.590	0.078	0.261	4.21	98.86	-0.1	80	545	540
7740082	7740090	duplicate	2008, 2009, 2011	GSNL	61.16	16.41	3.74	0.18	3.20	1.39	2.86	5.77	1.78	0.594	0.076	0.256	4.22	98.24	-0.1	84	544	528
GS-08-044	7740093	original	2008, 2009, 2011, 2015	GSNL	49.35	13.57	15.02	2.43	11.33	5.62	9.92	2.46	0.19	1.349	0.214	0.121	0.26	98.06	-0.1	-2	47	48
7740093	7740110	duplicate	2008, 2009, 2011	GSNL	49.63	13.44	15.09	2.38	11.45	5.59	9.95	2.37	0.17	1.329	0.213	0.118	0.23	98.14	-0.1	-2	47	47
GS-08-179	7740124	original	2008, 2009, 2011, 2015	GSNL	46.42	15.18	13.00	4.00	8.10	6.49	8.09	2.85	2.82	1.614	0.190	0.970	1.24	98.87	-0.1	3	998	1031
7740124	7740130	duplicate	2008, 2009, 2011, 2015	GSNL	46.74	15.24	13.10	4.09	8.11	6.51	8.21	2.83	2.78	1.615	0.192	0.946	1.31	99.47	-0.1	-2	998	1041
GS-08-190	7740135	original	2008, 2009, 2011, 2015	GSNL	76.59	11.89	1.32	1.14	0.16	0.03	0.42	4.20	4.39	0.139	0.012	0.011	0.36	99.36	-0.1	3	274	257
7740135	7740150	duplicate	2008, 2009, 2011, 2015	GSNL	76.16	11.72	1.36	1.09	0.24	0.05	0.40	4.07	4.20	0.134	0.012	0.009	0.27	98.39	-0.1	3	271	255
GS-07-061	7740166	original	2008, 2009, 2011	GSNL	60.81	16.54	5.68	2.33	3.01	2.37	5.08	4.72	0.97	0.760	0.082	0.243	1.81	99.06	-0.1	-2	251	244
7740166	7740170	duplicate	2008, 2009, 2011	GSNL	60.78	16.49	5.75	2.42	3.00	2.33	5.10	4.72	0.98	0.778	0.081	0.239	1.79	99.03	-0.1	-2	253	255
GS-07-110	7740177	original	2008, 2009, 2011	GSNL	75.11	12.56	0.87	0.57	0.27	0.38	0.85	5.87	1.81	0.087	0.011	0.017	1.14	98.70	-0.1	-2	521	510
7740177	7740190	duplicate	2008, 2009, 2011	GSNL	75.44	12.49	0.91	0.51	0.36	0.38	0.86	5.75	1.76	0.087	0.010	0.016	1.15	98.87	-0.1	-2	518	496
GS-08-322	7740208	original	2008, 2009, 2011	GSNL	48.88	12.58	15.78	3.50	11.05	6.24	9.60	2.28	0.68	1.309	0.264	0.101	1.19	98.90	-0.1	-2	173	168
7740208	7740210	duplicate	2008, 2009, 2011	GSNL	48.61	12.60	15.60	3.33	11.04	6.19	9.50	2.30	0.67	1.303	0.263	0.097	1.03	98.17	-0.1	2	172	175
GS-09-015	7740229	original	2010, 2011	GSNL	48.34	15.03	12.55	2.58	8.97	8.34	7.66	3.53	1.01	0.774	0.211	0.051	2.29	99.78	-0.1	3	264	287
7740229	7740230	duplicate	2010, 2011	GSNL	47.14	15.25	12.58	2.47	9.10	8.32	7.80	3.47	0.97	0.792	0.215	0.049	2.35	98.96	-0.1	3	257	277
GS-09-068	7740238	original	2010, 2011	GSNL	46.19	16.71	12.57	2.46	9.10	7.98	3.28	3.86	0.96	1.338	0.154	0.107	6.01	99.17	-0.1	3	289	293
7740238	7740250	duplicate	2010, 2011	GSNL	46.12	16.63	12.51	2.03	9.43	7.97	3.24	3.78	0.93	1.338	0.153	0.112	5.94	98.71	-0.1	3	295	287
GS-09-024	7740267	original	2010, 2011	GSNL	70.84	14.43	0.77	-99	-99	0.68	2.23	7.63	0.28	0.154	0.024	0.048	2.32	99.39	-0.1	3	240	232
7740267	7740270	duplicate	2010, 2011	GSNL	71.26	14.53	0.77	-99	-99	0.71	2.24	7.65	0.28	0.154	0.025	0.048	2.37	100.03	-0.1	3	236	239
GS-09-087	7740276	original	2010, 2011	GSNL	67.31	14.91	2.75	2.10	0.58	1.02	2.07	8.87	0.05	0.378	0.054	0.112	1.29	98.81	0.1	4	468	467
7740276	7740290	duplicate	2010, 2011	GSNL	67.75	15.17	2.81	2.14	0.61	1.01	2.15	8.99	0.05	0.382	0.056	0.121	1.16	99.66	-0.1	4	459	477
GS-14-020	7740909	original	2015, 2016	GSNL	63.85	17.23	3.43	2.83	0.54	0.31	1.39	5.43	4.32	0.130	0.022	0.082	1.89	97.70	-0.05	2	-99	879
7740909	7740910	duplicate	2015, 2016	GSNL	65.62	17.18	3.54	2.99	0.49	0.31	1.47	5.46	4.41	0.136	0.023	0.085	1.93	97.70	-0.05	2	-99	891
GS-14-076	7740925	original	2015, 2016	GSNL	44.21	12.15	10.97	1.12	8.87	7.62	10.28	2.44	0.03	0.722	0.184	0.051	11.35	97.70	-0.05	-2	-99	20
7740925	7740930	duplicate	2015, 2016	GSNL	44.45	12.05	11.21	1.36	8.86	7.61	10.48	2.43	0.03	0.739	0.188	0.055	11.43	97.70	-0.05	-2	-99	19
GS-14-116	7740948	original	2015, 2016	GSNL	43.77	14.67	16.98	6.30	9.61	5.39	7.05	3.04	1.24	2.242	0.232	1.060	3.85	97.70	-0.05	3	-99	1339
7740948	7740950	duplicate	2015, 2016	GSNL	44.07	14.81	17.19	6.62	9.51	5.44	7.01	3.08	1.25	2.259	0.235	1.073	3.85	97.70	-0.05	3	-99	1345
GS-14-169	7740964	original	2015, 2016	GSNL	67.26	15.31	2.68	0.78	1.71	0.60	1.25	4.52	4.82	0.291	0.053	0.110	1.47	97.70	-0.05	-2	-99	765
7740964	7740970	duplicate	2015, 2016	GSNL	67.81	15.16	2.71	0.78	1.73	0.60	1.28	4.49	4.82	0.294	0.054	0.111	1.45	97.70	-0.05	-2	-99	768
GS-14-199	7740982	original	2015, 2016	GSNL	71.73	13.55	1.84	1.23	0.55	0.26	0.43	3.16	6.30	0.286	0.041	0.022	0.82	97.70	-0.05	4	-99	576
7740982	7740990	duplicate	2015, 2016	GSNL	71.56	13.50	1.75	1.14	0.55	0.25	0.42	3.16	6.29	0.275	0.039	0.023	0.76	97.70	-0.05	5	-99	573
GS-15-027	7741025	original	2015, 2016	GSNL	47.52	16.74	12.63	4.74	7.10	6.63	6.59	3.53	1.78	1.089	0.190	0.223	-99	97.70	-0.1	3	-99	977
7741025	7741030	duplicate	2015, 2016	GSNL	47.00	16.60	12.47	4.82	6.89	6.63	6.65	3.49	1.79	1.069	0.188	0.222	-99	97.70	-0.1	3	-99	1008
GS-15-062	7741045	original	2015, 2016	GSNL	70.81	14.82	2.31	0.36	1.76	1.32	2.98	5.19	1.05	0.348	0.092	0.093	-99	97.70	-0.1	3	-99	243
7741045	7741050	duplicate	2015, 2016	GSNL	69.72	14.91	2.30	0.41	1.70	1.29	2.99	5.32	1.02	0.359	0.107	0.093	-99	97.70	-0.1	3	-99	244
GS-15-086	7741067	original	2015, 2016	GSNL	53.76	15.32	9.55	3.19	5.72	3.50	5.99	3.44	2.88	1.484	0.141	1.069	-99	97.70	-0.1	3	-99	1812
7741067	7741070	duplicate	2015, 2016	GSNL	53.43	15.55	9.57	3.29	5.66	3.59	5.89	3.56	2.91	1.482	0.140	1.084	-99	97.70	-0.1	3	-99	1781
GS-15-104	7741085	original	2015, 2016	GSNL	71.48	12.54	4.27	1.98	2.06	0.37	0.96	3.78	4.98	0.503	0.055	0.116	-99	97.70	-0.1	6	-99	1519
7741085	7741090	duplicate	2015, 2016	GSNL	71.50	12.76	4.17	1.92	2.02	0.36	0.94	3.89	5.02	0.496	0.054	0.114	-99	97.70	-0.1	6	-99	1531
GS-15-130	7741105	original	2015, 2016	GSNL	51.43	16.74	8.65	3.22	4.89	5.46	5.99	6.69	1.43	0.895	0.127	0.297	1.26	97.70	0.3	10	-99	1129
7741105	7741110	duplicate	2015, 2016	GSNL	51.44	16.49	8.67	3.26	4.87	5.35	6.01	6.59	1.40	0.888	0.127	0.299	1.27	97.70	0.4	10	-99	1080
GS-15-155	7741125	original	2015, 2016	GSNL	71.98	12.94	2.58	1.60	0.88	0.12	0.40	5.26	4.14	0.317	0.058	0.050	0.19	97.70	-0.1	11	-99	190
7741125	7741130	duplicate	2015, 2016	GSNL	71.93	12.98	2.56	1.49	0.96	0.13	0.43	5.27	4.20	0.321	0.058	0.049	0.20	97.70	-0.1	11	-99	194
GS-15-197	7741145	original	2015, 2016	GSNL	73.94	11.86	1.88	1.34	0.49	0.20	0.83	3.13	5.82	0.101	0.027	0.009	0.86	98.66	-0.1	6	-99	110
7741145	7741150	duplicate	2015, 2016	GSNL	74.69	11.65	1.96	1.45	0.46	0.20	0.83	3.12	5.81	0.106	0.027	0.009	0.88	99.28	-0.1	6	-99	110

Open File LAB/1692 - Appendix H2: Duplicates Data and Detection Limits - GSNL

DuplicateID	LabNum	Be	Bi	Cd	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.1	0.5	0.1	0.2	1	0.5	1	1	1, 100	1	0.5	1	0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ISE	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-07-024	7740005	3.5	-99	-0.1	-99	204	-99	4	-99	-100	2	-99	3	13.8	-99	-99	-99	117	2.45	-99	-99	-99	-99	-99
7740005	7740010	3.4	-99	-0.1	-99	197	-99	4	-99	-100	1	-99	2	13.4	-99	-99	-99	104	2.40	-99	-99	-99	-99	-99
GS-07-132	7740026	0.8	-0.5	0.3	-99	19	18.4	54	-99	-100	78	3.1	69	4.9	3.9	2.2	1.13	390	11.79	20	3.6	5	1.4	0.8
7740026	7740030	0.8	-0.5	0.3	-99	18	16.9	56	-99	-100	80	3.0	67	5.1	3.9	2.1	1.16	489	11.88	21	3.5	5	1.2	0.7
GS-07-179	7740037	0.9	-99	-0.1	-99	6	-99	2	-99	-100	1	-99	19	-0.1	-99	-99	-99	55	0.35	-99	-99	-99	-99	-99
7740037	7740050	0.9	-99	-0.1	-99	6	-99	2	-99	-100	2	-99	19	-0.1	-99	-99	-99	43	0.35	-99	-99	-99	-99	-99
GS-07-225	7740068	5.4	-0.5	-0.1	-99	192	187	6	-99	-100	2	2.6	2	9.4	10.0	6.2	1.34	1470	1.95	27	10.8	5	12.3	2.0
7740068	7740070	5.3	-0.5	-0.1	-99	189	182	6	-99	-100	2	2.6	2	9.2	10.1	6.5	1.32	1550	1.91	25	10.8	5	12.1	2.1
GS-08-007	7740082	1.9	-99	-0.1	-99	81	-99	9	-99	-100	8	-99	68	2.1	-99	-99	-99	436	2.82	-99	-99	-99	-99	-99
7740082	7740090	1.9	-99	-0.1	-99	78	-99	8	-99	-100	8	-99	68	2.2	-99	-99	-99	386	2.81	-99	-99	-99	-99	-99
GS-08-044	7740093	-0.1	-0.5	0.6	-99	26	24.7	48	-99	-100	61	-0.5	178	4.7	4.2	2.7	1.37	86	10.25	19	4.5	8	2.6	0.9
7740093	7740110	-0.1	-99	0.6	-99	26	-99	49	-99	-100	61	-99	181	4.8	-99	-99	-99	120	10.21	-99	-99	-99	-99	-99
GS-08-179	7740124	0.6	-0.5	-0.1	-99	70	70.0	46	-99	116	120	2.4	89	5.7	5.4	3.0	2.60	932	8.94	18	7.1	7	2.6	1.0
7740124	7740130	0.6	-0.5	-0.1	-99	70	72.1	46	-99	119	120	2.6	87	5.6	5.6	3.0	2.61	985	8.95	18	7.2	7	2.7	1.1
GS-08-190	7740135	2.2	-0.5	-0.1	-99	204	180	1	-99	-100	1	-0.5	4	8.6	8.9	5.4	0.39	100	0.71	21	9.8	4	6.8	1.8
7740135	7740150	2.2	-0.5	-0.1	-99	207	185	1	-99	-100	1	-0.5	3	8.7	9.1	5.5	0.46	83	0.65	22	10.0	3	7.6	1.8
GS-07-061	7740166	0.6	-99	0.2	-99	43	-99	17	-99	-100	16	-99	10	2.7	-99	-99	-99	390	4.13	-99	-99	-99	-99	-99
7740166	7740170	0.6	-99	0.2	-99	41	-99	17	-99	-100	16	-99	10	2.8	-99	-99	-99	361	4.12	-99	-99	-99	-99	-99
GS-07-110	7740177	0.5	-99	-0.1	-99	5	-99	2	-99	-100	3	-99	2	0.2	-99	-99	-99	43	0.88	-99	-99	-99	-99	-99
7740177	7740190	0.5	-99	-0.1	-99	5	-99	2	-99	-100	3	-99	3	0.4	-99	-99	-99	43	0.87	-99	-99	-99	-99	-99
GS-08-322	7740208	0.3	-99	0.6	-99	8	-99	43	-99	-100	97	-99	33	6.3	-99	-99	-99	371	10.63	-99	-99	-99	-99	-99
7740208	7740210	0.3	-99	0.6	-99	8	-99	43	-99	-100	97	-99	32	5.8	-99	-99	-99	409	10.63	-99	-99	-99	-99	-99
GS-09-015	7740229	0.2	-99	0.5	-99	14	-99	50	-99	200	204	-99	33	3.6	-99	-99	-99	172	8.58	-99	-99	-99	-99	-99
7740229	7740230	0.2	-99	0.4	-99	15	-99	50	-99	204	215	-99	34	3.4	-99	-99	-99	202	8.63	-99	-99	-99	-99	-99
GS-09-068	7740238	1.0	-99	0.3	-99	20	-99	51	-99	204	201	-99	62	5.0	-99	-99	-99	354	8.55	-99	-99	-99	-99	-99
7740238	7740250	1.0	-99	0.3	-99	22	-99	51	-99	204	203	-99	62	4.6	-99	-99	-99	366	8.69	-99	-99	-99	-99	-99
GS-09-024	7740267	1.2	-99	-0.1	-99	32	-99	2	-99	-100	2	-99	7	0.8	-99	-99	-99	95	0.79	-99	-99	-99	-99	-99
7740267	7740270	1.2	-99	-0.1	-99	31	-99	2	-99	-100	2	-99	7	0.9	-99	-99	-99	93	0.80	-99	-99	-99	-99	-99
GS-09-087	7740276	1.7	-99	-0.1	-99	49	-99	8	-99	-100	11	-99	-1	1.3	-99	-99	-99	121	1.94	-99	-99	-99	-99	-99
7740276	7740290	1.7	-99	-0.1	-99	51	-99	8	-99	-100	11	-99	-1	1.5	-99	-99	-99	138	2.06	-99	-99	-99	-99	-99
GS-14-020	7740909	2.0	-0.5	-99	-0.2	36	36.3	-99	1	3	-99	1.0	4	1.6	1.6	1.1	0.64	172	-99	20	1.9	2	3.6	0.3
7740909	7740910	2.0	-0.5	-99	-0.2	37	37.2	-99	1	2	-99	1.0	4	1.7	1.7	1.1	0.63	192	-99	19	1.7	1	3.6	0.3
GS-14-076	7740925	0.2	-0.5	-99	-0.2	6	5.8	-99	42	172	-99	-0.5	112	2.8	2.8	1.9	0.58	180	-99	12	2.3	2	1.1	0.6
7740925	7740930	0.2	-0.5	-99	-0.2	6	5.7	-99	42	173	-99	-0.5	111	2.6	2.6	1.6	0.59	179	-99	13	2.4	3	1.1	0.6
GS-14-116	7740948	0.6	-0.5	-99	-0.2	45	45.2	-99	45	3	-99	2.0	77	5.7	5.7	3.0	2.29	708	-99	20	6.6	3	2.2	1.1
7740948	7740950	0.6	-0.5	-99	-0.2	46	45.5	-99	48	3	-99	2.1	76	5.6	5.6	3.2	2.43	712	-99	19	6.5	2	2.1	1.1
GS-14-169	7740964	3.0	-0.5	-99	-0.2	83	82.9	-99	3	5	-99	1.1	6	2.5	2.5	1.4	0.73	630	-99	21	3.1	2	4.7	0.4
7740964	7740970	2.9	-0.5	-99	-0.2	83	82.9	-99	3	6	-99	1.1	5	2.5	2.5	1.3	0.86	650	-99	21	2.9	1	5.4	0.4
GS-14-199	7740982	2.8	-0.5	-99	0.4	91	90.9	-99	3	4	-99	3.5	5	4.2	4.2	2.6	0.70	299	-99	18	4.7	5	7.3	0.8
7740982	7740990	2.9	-0.5	-99	-0.2	90	90.4	-99	1	4	-99	3.3	6	4.2	4.2	2.5	0.68	301	-99	16	4.2	3	6.9	0.7
GS-15-027	7741025	0.4	-0.5	-99	-0.2	-99	18.8	-99	46	31	-99	1.3	120	-99.0	3.6	1.9	1.27	150	-99	17	3.5	4	1.5	0.7
7741025	7741030	0.4	-0.5	-99	-0.2	-99	18.7	-99	45	28	-99	1.4	118	-99.0	3.5	2.0	1.28	130	-99	16	3.6	4	1.4	0.7
GS-15-062	7741045	1.0	-0.5	-99	-0.2	-99	49.0	-99	4	5	-99	1.2	4	-99.0	1.3	0.7	0.63	346	-99	15	2.0	2	3.9	0.2
7741045	7741050	1.1	-0.5	-99	-0.2	-99	54.2	-99	5	5	-99	1.0	3	-99.0	1.5	0.8	0.68	322	-99	16	1.9	2	3.4	0.3
GS-15-086	7741067	1.7	-0.5	-99	-0.2	-99	170	-99	23	71	-99	2.1	26	-99.0	6.3	3.1	3.38	973	-99	23	9.0	5	6.7	1.1
7741067	7741070	1.8	-0.5	-99	-0.2	-99	169	-99	21	71	-99	2.1	26	-99.0	6.2	3.3	3.35	980	-99	25	9.0	5	6.6	1.1
GS-15-104	7741085	2.4	-0.5	-99	-0.2	-99	116	-99	3	3	-99	1.0	3	-99.0	6.0	3.7	1.24	428	-99	20	6.8	3	9.7	1.2
7741085	7741090	2.4	-0.5	-99	-0.2	-99	108	-99	2	3	-99	1.0	3	-99.0	5.6	3.5	1.18	353	-99	18	6.6	3	9.1	1.2
GS-15-130	7741105	0.8	-0.5	-99	-0.2	-99	59.8	-99	28	81	-99	2.6	65	-99.0	2.1	1.1	1.72	667	-99	19	3.2	5	2.2	0.4
7741105	7741110	0.8	-0.5	-99	-0.2	-99	62.7	-99	28	80	-99	2.4	66	-99.0	2.4	1.2	1.61	804	-99	19	3.5	5	2.4	0.4
GS-15-155	7741125	3.6	-0.5	-99	-0.2	-99	164	-99	4	22	-99	-0.5	22	-99.0	7.8	5.4	0.70	57	-99	22	8.1	4	8.5	1.6
7741125	7741130	3.4	-0.5	-99	-0.2	-99	171	-99	3	23	-99	-0.5	22	-99.0	7.7	5.3	0.70	50	-99	22	8.5	4	7.8	1.6
GS-15-197	7741145	1.9	-0.5	-99	-0.2	-99	142	-99	-1	3	-99	-0.5	4	-99.0	9.0	5.5	0.06	41	-99	20	9.5	4	7.3	1.7
7741145	7741150	2.0	-0.5	-99	-0.2	-99	137	-99	-1	2	-99	-0.5	4	-99.0	8.7	5.7	-0.05	38	-99	21	9.3	4	7.2	1.7

Open File LAB/1692 - Appendix H2: Duplicates Data and Detection Limits - GSNL

DuplicateID	LabNum	La	La	Li	Lu	Mn	Mo	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		1	0.5	0.1	0.05	1	1	2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1
Analysis Method		ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICPOES-4Acid	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS
GS-07-024	7740005	97	-99	0.8	-99	524	1	-99	22	-99	-99	-1	68	31	-99	81	1.2	-99	-99	38	-99	-99	-99
7740005	7740010	93	-99	0.7	-99	514	-1	-99	20	-99	-99	-1	65	31	-99	71	1.2	-99	-99	37	-99	-99	-99
GS-07-132	7740026	7	8.2	28.2	0.30	1907	-1	-99	16	3.2	11.5	57	439	6	2.5	68	47.0	3.3	2	155	-99	-0.5	0.6
7740026	7740030	7	7.4	28.3	0.31	1910	-1	-99	16	2.9	10.6	58	437	6	2.3	68	47.2	3.4	2	155	-99	-0.5	0.6
GS-07-179	7740037	4	-99	2.9	-99	79	1	-99	2	-99	-99	-1	25	6	-99	4	0.8	-99	-99	87	-99	-99	-99
7740037	7740050	4	-99	2.8	-99	78	-1	-99	2	-99	-99	2	27	6	-99	5	0.8	-99	-99	87	-99	-99	-99
GS-07-225	7740068	92	92.1	25.8	1.05	355	3	-99	21	25.4	73.3	-1	300	33	21.1	184	4.9	12.4	7	97	-99	1.7	1.8
7740068	7740070	90	89.1	25.4	1.06	351	3	-99	20	26.6	70.0	-1	298	32	19.9	178	4.7	12.1	8	96	-99	1.7	1.7
GS-08-007	7740082	40	-99	13.6	-99	625	3	-99	7	-99	-99	10	1166	10	-99	57	6.9	-99	-99	358	-99	-99	-99
7740082	7740090	39	-99	13.6	-99	618	3	-99	8	-99	-99	9	1159	9	-99	60	6.8	-99	-99	360	-99	-99	-99
GS-08-044	7740093	10	10.5	12.6	0.39	1501	-1	-99	9	5.7	14.2	57	517	4	3.2	10	42.8	4.0	1	178	-99	-0.5	0.8
7740093	7740110	10	-99	12.5	-99	1524	-1	-99	10	-99	-99	59	517	4	-99	12	42.4	-99	-99	178	-99	-99	-99
GS-08-179	7740124	32	31.5	24.9	0.36	1410	-1	-99	9	2.6	42.5	87	4112	10	9.5	116	29.1	7.9	2	639	-99	-0.5	1.0
7740124	7740130	32	33.9	24.7	0.40	1401	-1	-99	8	1.9	44.1	87	4098	11	9.6	106	28.6	8.3	2	630	-99	-0.5	1.0
GS-08-190	7740135	97	91.4	4.7	0.84	103	-1	-99	29	29.4	69.6	2	35	23	19.6	122	2.7	11.7	3	35	-99	1.8	1.5
7740135	7740150	98	93.1	4.6	0.81	104	1	-99	30	29.9	71.4	2	36	22	20.1	112	2.6	11.4	3	35	-99	1.9	1.5
GS-07-061	7740166	18	-99	8.7	-99	634	-1	-99	4	-99	-99	22	1086	2	-99	34	10.9	-99	-99	554	-99	-99	-99
7740166	7740170	18	-99	8.7	-99	631	-1	-99	4	-99	-99	23	1090	2	-99	37	11.0	-99	-99	558	-99	-99	-99
GS-07-110	7740177	4	-99	4.2	-99	100	-1	-99	1	-99	-99	5	70	2	-99	34	1.1	-99	-99	125	-99	-99	-99
7740177	7740190	4	-99	4.1	-99	98	-1	-99	1	-99	-99	5	68	2	-99	31	1.1	-99	-99	124	-99	-99	-99
GS-08-322	7740208	2	-99	20.3	-99	1828	-1	-99	11	-99	-99	54	415	19	-99	36	50.1	-99	-99	201	-99	-99	-99
7740208	7740210	2	-99	20.2	-99	1840	-1	-99	10	-99	-99	54	418	19	-99	37	49.9	-99	-99	201	-99	-99	-99
GS-09-015	7740229	2	-99	19.7	-99	1666	-1	-99	8	-99	-99	119	243	-1	-99	32	37.7	-99	-99	129	-99	-99	-99
7740229	7740230	2	-99	19.8	-99	1681	-1	-99	7	-99	-99	121	244	-1	-99	31	37.9	-99	-99	127	-99	-99	-99
GS-09-068	7740238	6	-99	60.6	-99	1237	-1	-99	11	-99	-99	70	484	-1	-99	52	37.7	-99	-99	185	-99	-99	-99
7740238	7740250	6	-99	59.9	-99	1205	-1	-99	12	-99	-99	70	490	-1	-99	51	39.3	-99	-99	192	-99	-99	-99
GS-09-024	7740267	18	-99	6.0	-99	216	-1	-99	2	-99	-99	-1	216	2	-99	10	2.3	-99	-99	151	-99	-99	-99
7740267	7740270	18	-99	6.0	-99	211	-1	-99	2	-99	-99	-1	213	2	-99	10	2.3	-99	-99	153	-99	-99	-99
GS-09-087	7740276	28	-99	1.1	-99	461	-1	-99	7	-99	-99	5	516	-1	-99	-2	5.8	-99	-99	134	-99	-99	-99
7740276	7740290	29	-99	1.2	-99	463	-1	-99	8	-99	-99	5	519	-1	-99	-2	5.9	-99	-99	133	-99	-99	-99
GS-14-020	7740909	-99	20.2	2.1	0.23	184	-99	-2	7	7.0	15.4	5	-99	-1	4.2	116	0.4	2.3	-1	276	276	0.6	0.3
7740909	7740910	-99	20.4	2.1	0.24	180	-99	-2	7	6.9	15.5	5	-99	-1	4.2	114	0.4	2.3	-1	275	275	-0.5	0.3
GS-14-076	7740925	-99	3.0	21.1	0.26	1296	-99	-2	2	2.0	4.7	86	-99	-1	0.9	5	40.9	1.8	-1	130	130	-0.5	0.4
7740925	7740930	-99	3.4	21.3	0.25	1298	-99	-2	1	1.4	4.7	86	-99	-1	0.9	4	41.1	1.8	-1	125	125	-0.5	0.4
GS-14-116	7740948	-99	19.4	15.4	0.35	1555	-99	-2	2	1.7	30.9	48	-99	-1	6.5	23	28.1	7.0	2	468	468	-0.5	0.9
7740948	7740950	-99	19.4	15.2	0.40	1553	-99	-2	2	1.6	32.0	48	-99	-1	6.5	22	28.1	7.5	-1	465	465	-0.5	0.9
GS-14-169	7740964	-99	43.6	13.5	0.20	440	-99	-2	10	9.6	29.8	8	-99	6	8.7	154	4.1	4.5	1	238	238	-0.5	0.5
7740964	7740970	-99	44.2	12.8	0.18	422	-99	-2	9	9.2	27.8	8	-99	6	8.7	142	4.0	4.6	1	231	231	-0.5	0.4
GS-14-199	7740982	-99	46.7	15.5	0.37	303	-99	-2	16	16.0	35.4	5	-99	25	9.9	211	4.9	5.4	3	108	108	0.9	0.7
7740982	7740990	-99	45.9	16.3	0.39	303	-99	-2	16	15.6	33.6	4	-99	24	9.6	218	5.0	6.1	2	101	101	1.1	0.7
GS-15-027	7741025	-99	8.1	21.4	0.28	1344	-99	-2	-99	1.1	12.6	91	-99	-1	2.7	39	28.4	3.2	-1	-99	591	-0.5	0.6
7741025	7741030	-99	7.8	21.2	0.29	1349	-99	-2	-99	-1.0	12.3	90	-99	-1	2.6	40	29.0	3.1	-1	-99	596	-0.5	0.5
GS-15-062	7741045	-99	29.2	29.3	0.11	699	-99	-2	-99	7.3	16.4	8	-99	3	4.9	40	6.1	2.2	-1	-99	64	0.9	0.2
7741045	7741050	-99	31.7	29.3	0.14	823	-99	-2	-99	7.9	18.4	8	-99	3	5.5	38	6.2	2.6	-1	-99	69	0.6	0.3
GS-15-086	7741067	-99	83.8	21.1	0.42	970	-99	-2	-99	14.3	78.6	18	-99	2	20.2	73	16.5	12.8	2	-99	852	-0.5	1.2
7741067	7741070	-99	83.4	21.4	0.44	985	-99	-2	-99	13.6	77.9	19	-99	3	20.2	75	16.8	12.5	1	-99	835	-0.5	1.2
GS-15-104	7741085	-99	56.4	4.2	0.62	418	-99	4	-99	19.1	48.1	2	-99	37	12.7	146	8.2	8.3	3	-99	75	1.9	1.0
7741085	7741090	-99	52.0	4.0	0.58	423	-99	3	-99	17.7	45.4	2	-99	37	12.3	144	8.1	7.6	2	-99	70	1.7	0.9
GS-15-130	7741105	-99	27.5	81.9	0.13	894	-99	-2	-99	2.4	30.5	35	-99	13	7.6	59	21.4	5.0	-1	-99	1075	-0.5	0.4
7741105	7741110	-99	28.6	80.7	0.14	901	-99	-2	-99	3.0	32.1	35	-99	12	8.1	54	21.9	5.3	-1	-99	1120	-0.5	0.5
GS-15-155	7741125	-99	82.5	3.8	0.96	476	-99	-2	-99	27.4	61.5	8	-99	19	17.9	106	5.6	10.3	6	-99	14	2.8	1.2
7741125	7741130	-99	86.0	3.9	0.90	475	-99	-2	-99	25.9	62.4	8	-99	19	18.4	108	5.6	11.3	8	-99	14	2.5	1.3
GS-15-197	7741145	-99	64.9	3.7	0.82	215	-99	-2	-99	19.5	56.9	1	-99	4	15.6	106	3.8	10.8	5	-99	23	1.7	1.4
7741145	7741150	-99	63.2	3.9	0.86	218	-99	-2	-99	20.2	56.2	1	-99	5	15.2	109	3.9	10.8	5	-99	24	1.5	1.4

Open File LAB/1692 - Appendix H2: Duplicates Data and Detection Limits - GSNL

DuplicateID	LabNum	Th	Ti	Tl	Tm	U	V	V	W	Y	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit		0.1	1	0.1, 0.5	0.05	0.1	1	5	1	1	1	0.1	1	1
Analysis Method		ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICP-MS-FUS	ICP-MS-FUS	ICPOES-4Acid	ICPOES-FUS
GS-07-024	7740005	-99	1877	-99	-99	-99	2	-99	-99	83	-99	-99	115	507
7740005	7740010	-99	1857	-99	-99	-99	2	-99	-99	84	-99	-99	113	500
GS-07-132	7740026	1.0	8454	-0.5	0.30	0.3	371	-99	-1	21	-99	2.0	132	90
7740026	7740030	0.9	8449	-0.5	0.29	0.3	374	-99	-1	21	-99	1.9	132	90
GS-07-179	7740037	-99	89	-99	-99	-99	32	-99	-99	-1	-99	-99	12	13
7740037	7740050	-99	94	-99	-99	-99	31	-99	-99	-1	-99	-99	13	11
GS-07-225	7740068	23.0	2450	-0.5	0.94	8.6	-1	-99	-1	62	-99	6.4	65	371
7740068	7740070	22.2	2422	-0.5	1.00	8.4	-1	-99	2	61	-99	6.8	65	452
GS-08-007	7740082	-99	2073	-99	-99	-99	76	-99	-99	15	-99	-99	37	212
7740082	7740090	-99	1744	-99	-99	-99	74	-99	-99	15	-99	-99	37	213
GS-08-044	7740093	1.8	7884	-0.5	0.36	0.5	342	-99	-1	22	-99	2.5	111	97
7740093	7740110	-99	8016	-99	-99	-99	341	-99	-99	22	-99	-99	112	92
GS-08-179	7740124	0.5	9663	-0.5	0.35	0.2	232	-99	-1	25	-99	2.4	139	99
7740124	7740130	0.5	9673	-0.5	0.34	0.2	230	-99	-1	25	-99	2.3	138	97
GS-08-190	7740135	21.6	764	-0.5	0.78	7.7	-1	-99	-1	55	-99	5.1	22	235
7740135	7740150	22.0	732	-0.5	0.79	8.0	-1	-99	-1	56	-99	5.5	22	219
GS-07-061	7740166	-99	2751	-99	-99	-99	86	-99	-99	11	-99	-99	91	166
7740166	7740170	-99	2729	-99	-99	-99	85	-99	-99	11	-99	-99	91	151
GS-07-110	7740177	-99	346	-99	-99	-99	-1	-99	-99	2	-99	-99	13	54
7740177	7740190	-99	318	-99	-99	-99	-1	-99	-99	1	-99	-99	14	49
GS-08-322	7740208	-99	7894	-99	-99	-99	359	-99	-99	26	-99	-99	141	79
7740208	7740210	-99	7830	-99	-99	-99	361	-99	-99	25	-99	-99	141	78
GS-09-015	7740229	-99	4568	-99	-99	-99	229	-99	-99	18	-99	-99	143	47
7740229	7740230	-99	4628	-99	-99	-99	231	-99	-99	18	-99	-99	144	46
GS-09-068	7740238	-99	8265	-99	-99	-99	279	-99	-99	26	-99	-99	145	86
7740238	7740250	-99	8484	-99	-99	-99	286	-99	-99	27	-99	-99	149	87
GS-09-024	7740267	-99	726	-99	-99	-99	7	-99	-99	5	-99	-99	32	95
7740267	7740270	-99	781	-99	-99	-99	7	-99	-99	5	-99	-99	32	93
GS-09-087	7740276	-99	2251	-99	-99	-99	69	-99	-99	8	-99	-99	35	123
7740276	7740290	-99	2375	-99	-99	-99	75	-99	-99	8	-99	-99	35	127
GS-14-020	7740909	4.6	805	0.2	0.17	4.5	-99	13	-1	-99	10	1.3	24	155
7740909	7740910	4.7	796	0.2	0.18	4.5	-99	9	-1	-99	9	1.3	23	161
GS-14-076	7740925	0.2	4280	-0.5	0.24	-0.1	-99	234	-1	-99	15	1.8	70	40
7740925	7740930	0.2	4301	-0.5	0.22	-0.1	-99	227	1	-99	14	1.7	71	41
GS-14-116	7740948	0.4	13943	0.1	0.41	0.2	-99	273	-1	-99	26	2.6	142	87
7740948	7740950	0.5	13912	-0.5	0.42	0.2	-99	284	-1	-99	26	2.6	141	88
GS-14-169	7740964	8.6	1828	0.2	0.21	2.5	-99	17	-1	-99	11	1.4	43	186
7740964	7740970	8.8	1910	0.3	0.23	2.5	-99	20	2	-99	12	1.4	43	209
GS-14-199	7740982	16.7	1318	0.4	0.35	2.2	-99	10	1	-99	23	2.9	44	256
7740982	7740990	15.4	1303	0.3	0.34	2.1	-99	13	3	-99	20	2.7	45	245
GS-15-027	7741025	-0.1	6637	-0.5	0.27	-0.1	206	-99	1	-99	18	1.8	96	55
7741025	7741030	-0.1	6590	-0.5	0.26	-0.1	208	-99	-1	-99	17	1.8	94	54
GS-15-062	7741045	7.1	2093	-0.5	0.12	1.7	36	-99	1	-99	7	0.7	25	142
7741045	7741050	8.7	2168	-0.5	0.11	2.3	38	-99	-1	-99	8	0.8	25	135
GS-15-086	7741067	2.7	9261	-0.5	0.40	0.9	141	-99	-1	-99	29	2.6	130	287
7741067	7741070	2.7	9410	-0.5	0.41	1.0	144	-99	-1	-99	29	2.5	131	283
GS-15-104	7741085	14.2	3269	-0.5	0.54	4.6	15	-99	2	-99	32	3.8	69	442
7741085	7741090	13.9	3224	-0.5	0.53	4.5	15	-99	1	-99	29	3.5	69	437
GS-15-130	7741105	1.8	5414	-0.5	0.15	2.6	165	-99	-1	-99	10	1.0	115	95
7741105	7741110	1.8	5471	-0.5	0.16	2.9	168	-99	-1	-99	11	1.0	115	98
GS-15-155	7741125	23.5	2167	-0.5	0.90	19.7	303	-99	5	-99	44	5.8	94	294
7741125	7741130	23.0	2161	-0.5	0.73	18.6	305	-99	4	-99	43	5.7	93	301
GS-15-197	7741145	26.1	535	-0.5	0.74	7.0	23	-99	-1	-99	50	5.8	28	207
7741145	7741150	26.0	525	-0.5	0.73	7.0	24	-99	-1	-99	50	5.7	28	197

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StandardID	StandardID	StandardID	StandardID	StandardID	LabNum	AnalysisYr	Analysis	SiO2	Al2O3	Fe2O3(T)	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2	MnO	P2O5	LOI	Total
Unit								wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%
Lower Detection Limit								0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01
Analysis	Method							ICPOES-	ICPOES-	ICPOES-			ICPOES-	ICPOES-	ICPOES-	ICPOES-	ICPOES-	ICPOES-	ICPOES-		
ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-HN03	ISE				FUS	FUS	FUS	Calc	Titr	FUS	FUS	FUS	FUS	FUS	FUS	FUS	Grav	Calc
BS-1	SY-4		WGB-1	RH-1	7740020	2008, 2009	GSNL	56.03	15.64	8.12	-99	-99	6.45	4.65	6.57	0.09	1.206	0.096	0.279	-0.01	99.11
MA-N	WGB-1	QLO-1	SY-4	AND-1	7740040	2008, 2009, 2015	GSNL	67.23	17.74	0.32	-99	-99	0.11	0.58	5.96	3.08	0.010	0.036	1.410	-0.01	96.46
GA-1	SY-4	W-2	WMG-1	BS-1	7740060	2008, 2009, 2015	GSNL	53.33	16.17	9.23	-99	-99	5.83	8.40	2.81	1.10	0.828	0.164	0.166	-0.01	98.03
DR-N	WGB-1		WGB-1	GA-1	7740080	2008, 2009	GSNL	53.04	17.48	9.63	-99	-99	4.32	6.71	3.02	1.67	1.075	0.213	0.231	-0.01	97.38
G-2	WGB-1		WGB-1	GD-1	7740100	2008, 2009, 2011	GSNL	68.72	15.18	2.38	-99	-99	0.76	1.89	3.97	4.34	0.492	0.034	0.132	-99	97.90
GD-1	SY-4	G-2	SY-4	GD-1	7740120	2008, 2009, 2011, 2015	GSNL	70.49	14.26	2.01	-99	-99	0.65	1.48	4.12	3.27	0.234	0.085	0.078	-99	96.68
AGV-1	WGB-1	SDC-1	WGB-1	RY-1	7740140	2008, 2009, 2011, 2015	GSNL	58.99	16.90	6.73	-99	-99	1.53	4.88	4.16	2.85	1.078	0.096	0.499	-99	97.71
RH-1	SY-4	W-2	SY-4	GD-2	7740160	2008, 2009, 2011, 2015	GSNL	72.96	13.67	2.25	-99	-99	0.88	0.30	6.80	0.73	0.293	0.040	0.048	-99	97.98
MAG-1	WGB-1		WGB-1	GD-1	7740180	2008, 2009, 2011	GSNL	50.89	16.47	6.98	-99	-99	3.11	1.37	3.93	3.35	0.740	0.099	0.165	-99	87.10
FK-N	SY-4		SY-4	GA-1	7740200	2008, 2009, 2011	GSNL	63.50	18.19	-0.01	-99	-99	0.01	0.10	2.41	12.25	0.003	0.002	0.008	-99	96.47
BCR-1	SY-4		WGB-1	RH-1	7740220	2009, 2011	GSNL	54.23	13.27	14.09	-99	-99	3.49	7.02	3.24	1.63	2.299	0.190	0.369	-99	99.82
BS-1	SY-4		GD-2	GD-2	7740240	2010, 2011	GSNL	55.28	15.54	8.12	-99	-99	6.11	4.61	6.35	0.10	1.234	0.096	0.264	-0.01	97.70
BCR-1	WGB-1		RH-1	GD-1	7740260	2010, 2011	GSNL	54.17	13.53	14.00	10.54	3.11	3.52	6.93	3.32	1.71	2.313	0.190	0.349	-0.01	100.03
DR-N	SY-4		BS-1	GA-1	7740280	2010, 2011	GSNL	52.59	17.33	9.53	3.77	5.18	4.30	6.70	3.02	1.70	1.077	0.213	0.226	-0.01	96.68
GA-1	WGB-1	QLO-1	AND-1	RH-1	7740300	2010, 2011, 2015	GSNL	52.99	16.18	9.05	5.84	2.90	5.81	8.23	2.88	1.14	0.821	0.160	0.149	0.69	98.08
AGV-1	WGB-1	AGV-1	SU-1A	GD-2	7740920	2015, 2016	GSNL	58.72	17.42	6.87	-99	-99	1.54	4.95	4.35	2.96	1.056	0.100	0.507	-99	98.47
MAG-1	SY-4	MAG-1	CH-2	AND-1	7740940	2015, 2016	GSNL	50.05	16.05	7.12	-99	-99	3.05	1.46	3.95	3.62	0.714	0.102	0.164	-99	86.27
BIR-1	WGB-1	BIR-1	SU-1A	GD-1	7740960	2015, 2016	GSNL	48.19	15.95	11.54	-99	-99	9.87	13.24	1.85	0.02	0.971	0.181	0.019	-99	101.83
W-2	SY-4	W-2	CH-2	GA-1	7740980	2015, 2016	GSNL	52.11	15.21	10.90	-99	-99	6.43	10.84	2.19	0.61	1.055	0.175	0.121	-99	99.64
BIR-1	WGB-1	BIR-1	SU-1A	BS-1	7741000	2015, 2016	GSNL	46.90	15.15	11.13	-99	-99	9.27	13.07	1.75	0.03	0.984	0.179	0.019	-99	98.46
STM-1	WGB-1	STM-1	CH-2	GD-1	7741020	2015, 2016	GSNL	59.52	18.72	5.38	-99	-99	0.12	1.18	8.87	4.17	0.143	0.222	0.156	-99	98.47
SDC-1	WGB-1	SDC-1	SU-1A	GA-1	7741040	2015, 2016	GSNL	65.63	15.81	6.98	-99	-99	1.71	1.42	2.09	3.25	0.990	0.112	0.143	-99	98.14
QLO-1	WGB-1	QLO-1	CH-2	BS-1	7741060	2015, 2016	GSNL	64.88	16.04	4.35	-99	-99	1.01	3.18	4.11	3.51	0.601	0.094	0.254	-99	98.02
BHVO-1	SY-4	BHVO-1	SU-1A	AND-1	7741080	2015, 2016	GSNL	50.71	13.87	12.47	-99	-99	7.36	11.35	2.33	0.60	2.799	0.179	0.271	-99	101.95
RGM-1	WGB-1	RGM-1	CH-2	GD-1	7741100	2015, 2016	GSNL	71.94	13.54	1.88	-99	-99	0.28	1.20	4.05	4.25	0.266	0.037	0.041	-99	97.48
G-2	SY-4	G-2	SU-1A	GA-1	7741120	2015, 2016	GSNL	68.79	15.49	2.83	-99	-99	0.79	1.94	4.14	4.49	0.499	0.035	0.130	-99	99.13
W-2	WGB-1	W-2	CH-2	BS-1	7741140	2015, 2016	GSNL	51.32	15.24	10.80	-99	-99	6.43	10.62	2.23	0.63	1.065	0.170	0.119	-99	98.62

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StandardID	StandardID	StandardID	StandardID	StandardID	LabNum	Ag	As	Ba	Ba	Be	Bi	Cd	Cd	Ce	Ce	Co	Co	Cr	Cr	Cs	Cu
Unit						ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit						0.05, 0.1	2	1	1	0.1	0.5	0.1	0.2	1	0.5	1	1	1, 100	1	0.5	1
Analysis	Method					ICPOES-	ICPOES-	ICPOES-	ICPOES-	ICPOES-	ICP-MS-	ICPOES-	ICP-MS-	ICPOES-	ICP-MS-	ICPOES-	ICP-MS-	ICPOES-	ICPOES-	ICP-MS-	ICPOES-
ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-HN03	ISE		HNO3	4Acid	FUS	4Acid	4Acid	FUS	4Acid	FUS	4Acid	FUS	4Acid	FUS	FUS	4Acid	FUS	4Acid
BS-1	SY-4		WGB-1	RH-1	7740020	-0.1	5	155	337	2.8	-99	-0.1	-99	121	-99	3	-99	-100	10	-99	2
MA-N	WGB-1	QLO-1	SY-4	AND-1	7740040	-0.1	5	44	810	0.3	-0.5	-0.1	-99	11	55.1	31	-99	-100	274	1.7	109
GA-1	SY-4	W-2	WMG-1	BS-1	7740060	2.9	5	406	364	3.0	-0.5	-0.1	-99	131	24.0	3	-99	108	11	0.8	2
DR-N	WGB-1		WGB-1	GA-1	7740080	-0.1	5	379	799	0.3	-99	-0.1	-99	11	-99	31	-99	-100	270	-99	109
G-2	WGB-1		WGB-1	GD-1	7740100	-0.1	-2	1914	817	-0.1	-99	-0.1	-99	14	-99	28	-99	-100	277	-99	106
GD-1	SY-4	G-2	SY-4	GD-1	7740120	-0.1	-2	1020	346	2.6	-0.5	0.1	-99	121	160	3	-99	-100	9	1.2	5
AGV-1	WGB-1	SDC-1	WGB-1	RY-1	7740140	-0.1	2	1222	810	-0.1	-0.5	-0.1	-99	14	93.6	28	-99	-100	275	3.5	103
RH-1	SY-4	W-2	SY-4	GD-2	7740160	-0.1	-2	279	343	2.7	-0.5	-0.1	-99	121	23.3	3	-99	-100	10	0.9	5
MAG-1	WGB-1		WGB-1	GD-1	7740180	-0.1	3	501	812	0.2	-99	-0.1	-99	12	-99	29	-99	-100	278	-99	101
FK-N	SY-4		SY-4	GA-1	7740200	-0.1	2	202	338	2.7	-99	-0.1	-99	121	-99	3	-99	-100	10	-99	4
BCR-1	SY-4		WGB-1	RH-1	7740220	-0.1	-99	739	-99	-99	-99	-99	-99	-99	-99	-99	-99	-100	-99	-99	-99
BS-1	SY-4		GD-2	GD-2	7740240	-0.1	5	147	331	2.7	-99	0.2	-99	121	-99	3	-99	-100	9	-99	3
BCR-1	WGB-1		RH-1	GD-1	7740260	-0.1	4	718	821	0.2	-99	-0.1	-99	17	-99	28	-99	-100	266	-99	91
DR-N	SY-4		BS-1	GA-1	7740280	-0.1	4	397	334	2.7	-99	-0.1	-99	121	-99	3	-99	-100	8	-99	3
GA-1	WGB-1	QLO-1	AND-1	RH-1	7740300	-0.1	5	416	818	0.2	-0.5	-0.1	-99	17	49.4	29	-99	116	283	1.5	90
AGV-1	WGB-1	AGV-1	SU-1A	GD-2	7740920	2.67	2	1248	-99	0.3	-0.5	-99	-0.2	68	68.5	-99	13	8	-99	1.1	90
MAG-1	SY-4	MAG-1	CH-2	AND-1	7740940	13.7	2	497	-99	2.5	-0.5	-99	-0.2	80	80.2	-99	20	92	-99	7.2	9
BIR-1	WGB-1	BIR-1	SU-1A	GD-1	7740960	2.30	-2	7	-99	0.3	-0.5	-99	-0.2	2	2.0	-99	49	362	-99	-0.5	93
W-2	SY-4	W-2	CH-2	GA-1	7740980	12.3	3	170	-99	2.5	-0.5	-99	-0.2	22	21.9	-99	41	81	-99	0.7	6
BIR-1	WGB-1	BIR-1	SU-1A	BS-1	7741000	1.78	2	8	-99	0.3	-0.5	-99	-0.2	2	2.5	-99	53	394	-99	-0.5	89
STM-1	WGB-1	STM-1	CH-2	GD-1	7741020	7.1	2	593	-99	0.3	-0.5	-99	0.3	-99	240	-99	1	-1	-99	1.4	89
SDC-1	WGB-1	SDC-1	SU-1A	GA-1	7741040	2.9	2	654	-99	0.3	-0.5	-99	-0.2	-99	83.1	-99	17	53	-99	3.2	89
QLO-1	WGB-1	QLO-1	CH-2	BS-1	7741060	6.4	2	1395	-99	0.3	-0.5	-99	-0.2	-99	47.9	-99	7	2	-99	1.5	88
BHVO-1	SY-4	BHVO-1	SU-1A	AND-1	7741080	2.8	2	138	-99	2.4	-0.5	-99	-0.2	-99	35.3	-99	38	266	-99	-0.5	5
RGM-1	WGB-1	RGM-1	CH-2	GD-1	7741100	6.3	2	814	-99	0.3	-0.5	-99	-0.2	-99	42.9	-99	-1	1	-99	8.4	93
G-2	SY-4	G-2	SU-1A	GA-1	7741120	2.8	2	1905	-99	2.4	-0.5	-99	-0.2	-99	148	-99	5	9	-99	1.1	5
W-2	WGB-1	W-2	CH-2	BS-1	7741140	6.6	2	168	-99	0.3	-0.5	-99	-0.2	-99	22.5	-99	40	84	-99	0.8	84

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StandardID	StandardID	StandardID	StandardID	StandardID	LabNum	Dy	Dy	Er	Eu	F	Fe	Ga	Gd	Ge	Hf	Ho	La	La	Li	Lu	Mn	Mo
Unit						ppm	ppm	ppm	ppm	ppm	wt.%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit						0.1	0.1	0.1	0.05	5	0.01	1	0.1	1	0.2	0.1	1	0.5	0.1	0.05	1	1
Analysis	Method					ICPOES-	ICP-MS-	ICP-MS-	ICP-MS-		ICPOES-	ICP-MS-	ICP-MS-	ICP-MS-	ICP-MS-	ICP-MS-	ICPOES-	ICP-MS-	ICPOES-	ICP-MS-	ICPOES-	ICPOES-
ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-HN03	ISE		4Acid	FUS	FUS	FUS	ISE	4Acid	FUS	FUS	FUS	FUS	FUS	4Acid	FUS	4Acid	FUS	4Acid	4Acid
BS-1	SY-4		WGB-1	RH-1	7740020	18.7	-99	-99	-99	116	4.33	-99	-99	-99	-99	-99	58	-99	36.7	-99	777	-1
MA-N	WGB-1	QLO-1	SY-4	AND-1	7740040	2.5	4.3	2.6	1.58	305	4.57	19	4.5	4	4.8	0.9	8	28.2	44.7	0.41	950	-1
GA-1	SY-4	W-2	WMG-1	BS-1	7740060	20.8	4.0	2.4	1.22	245	4.66	17	3.9	5	2.5	0.8	63	10.3	39.9	0.33	804	-1
DR-N	WGB-1		WGB-1	GA-1	7740080	2.4	-99	-99	-99	284	4.45	-99	-99	-99	-99	-99	8	-99	43.5	-99	943	-1
G-2	WGB-1		WGB-1	GD-1	7740100	2.9	-99	-99	-99	192	4.63	-99	-99	-99	-99	-99	8	-99	45.5	-99	1010	-1
GD-1	SY-4	G-2	SY-4	GD-1	7740120	18.0	2.1	1.0	1.49	255	4.31	24	4.2	4	7.4	0.4	58	86.4	36.8	0.10	810	-1
AGV-1	WGB-1	SDC-1	WGB-1	RY-1	7740140	3.2	6.5	4.5	1.62	77	4.62	22	7.7	5	8.8	1.3	8	43.9	45.4	0.70	1014	-1
RH-1	SY-4	W-2	SY-4	GD-2	7740160	17.5	3.9	2.2	1.10	21	4.35	16	3.7	3	2.6	0.8	57	10.1	36.9	0.33	821	-1
MAG-1	WGB-1		WGB-1	GD-1	7740180	3.2	-99	-99	-99	220	4.58	-99	-99	-99	-99	-99	8	-99	45.3	-99	996	-1
FK-N	SY-4		SY-4	GA-1	7740200	17.5	-99	-99	-99	244	4.30	-99	-99	-99	-99	-99	57	-99	36.7	-99	801	-1
BCR-1	SY-4		WGB-1	RH-1	7740220	-99.0	-99	-99	-99	133	-99	-99	-99	-99	-99	-99	-99	-99	-99.0	-99	-99	-99
BS-1	SY-4		GD-2	GD-2	7740240	19.1	-99	-99	-99	27	4.29	-99	-99	-99	-99	-99	59	-99	36.5	-99	871	-1
BCR-1	WGB-1		RH-1	GD-1	7740260	2.8	-99	-99	-99	224	4.61	-99	-99	-99	-99	-99	8	-99	45.8	-99	1036	-1
DR-N	SY-4		BS-1	GA-1	7740280	19.7	-99	-99	-99	336	4.33	-99	-99	-99	-99	-99	58	-99	37.3	-99	833	-1
GA-1	WGB-1	QLO-1	AND-1	RH-1	7740300	2.8	3.9	2.3	1.35	100	4.66	18	4.3	2	4.4	0.7	8	25.7	45.7	0.33	1047	1
AGV-1	WGB-1	AGV-1	SU-1A	GD-2	7740920	3.5	3.5	1.9	1.62	26	-99	22	4.8	3	5.0	0.7	-99	39.1	43.8	0.24	952	-99
MAG-1	SY-4	MAG-1	CH-2	AND-1	7740940	4.9	4.9	2.8	1.34	268	-99	19	5.8	3	3.3	0.9	-99	39.8	37.8	0.36	795	-99
BIR-1	WGB-1	BIR-1	SU-1A	GD-1	7740960	2.5	2.5	1.7	0.45	236	-99	14	2.1	2	0.6	0.5	-99	0.9	47.6	0.23	986	-99
W-2	SY-4	W-2	CH-2	GA-1	7740980	4.3	4.3	2.4	1.16	312	-99	22	3.6	1	2.6	0.7	-99	9.7	37.2	0.30	780	-99
BIR-1	WGB-1	BIR-1	SU-1A	BS-1	7741000	2.8	2.8	1.9	0.53	194	-99	16	2.2	4	0.6	0.6	-99	1.7	43.9	0.24	940	-99
STM-1	WGB-1	STM-1	CH-2	GD-1	7741020	-99.0	7.3	4.3	3.34	237	-99	34	8.5	5	24.2	1.4	-99	136	43.6	0.66	963	-99
SDC-1	WGB-1	SDC-1	SU-1A	GA-1	7741040	-99.0	6.0	3.8	1.45	318	-99	20	6.7	4	6.9	1.2	-99	38.3	44.6	0.57	964	-99
QLO-1	WGB-1	QLO-1	CH-2	BS-1	7741060	-99.0	3.8	2.4	1.38	214	-99	16	4.1	2	4.5	0.8	-99	24.5	42.6	0.38	951	-99
BHVO-1	SY-4	BHVO-1	SU-1A	AND-1	7741080	-99.0	5.0	2.4	2.01	255	-99	19	5.8	4	3.9	0.9	-99	13.8	34.4	0.29	768	-99
RGM-1	WGB-1	RGM-1	CH-2	GD-1	7741100	-99.0	3.4	2.2	0.59	227	-99	15	3.3	2	5.6	0.7	-99	21.3	44.9	0.37	1004	-99
G-2	SY-4	G-2	SU-1A	GA-1	7741120	-99.0	1.8	0.8	1.36	315	-99	24	3.4	3	6.8	0.3	-99	79.5	35.0	0.07	796	-99
W-2	WGB-1	W-2	CH-2	BS-1	7741140	-99.0	3.8	2.1	1.08	192	-99	17	3.7	5	2.3	0.7	-99	10.5	40.1	0.25	945	-99

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StandardID	StandardID	StandardID	StandardID	StandardID	LabNum	Mo	Nb	Nb	Nd	Ni	P	Pb	Pr	Rb	Sc	Sm	Sn	Sr	Sr	Ta	Tb
Unit						ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit						2	1	1.0	0.2	1	1	1	0.1	1, 2	0.1	0.1	1	1	1	0.5	0.1
Analysis	Method					ICP-MS-	ICPOES-	ICP-MS-	ICP-MS-	ICPOES-	ICPOES-	ICPOES-	ICP-MS-	ICPOES-	ICPOES-	ICP-MS-	ICP-MS-	ICP-MS-	ICPOES-	ICP-MS-	ICP-MS-
ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-HN03	ISE		FUS	4Acid	FUS	FUS	4Acid	4Acid	4Acid	FUS	4Acid	4Acid	FUS	FUS	FUS	4Acid	FUS	FUS
BS-1	SY-4		WGB-1	RH-1	7740020	-99	12	-99	-99	2	571	3	-99	59	1.1	-99	-99	-99	1135	-99	-99
MA-N	WGB-1	QLO-1	SY-4	AND-1	7740040	-99	9	9.8	25.3	58	358	7	6.3	22	44.6	4.7	2	-99	119	0.6	0.7
GA-1	SY-4	W-2	WMG-1	BS-1	7740060	-99	14	6.6	13.3	3	577	4	3.0	60	1.1	3.5	2	-99	1195	-0.5	0.6
DR-N	WGB-1		WGB-1	GA-1	7740080	-99	8	-99	-99	57	361	8	-99	26	44.0	-99	-99	-99	117	-99	-99
G-2	WGB-1		WGB-1	GD-1	7740100	-99	6	-99	-99	71	359	7	-99	19	44.5	-99	-99	-99	118	-99	-99
GD-1	SY-4	G-2	SY-4	GD-1	7740120	-99	14	10.7	53.3	13	559	3	16.6	56	1.2	6.8	2	-99	1077	0.8	0.5
AGV-1	WGB-1	SDC-1	WGB-1	RY-1	7740140	-99	6	14.8	45.0	70	357	7	11.8	26	44.1	9.0	3	-99	118	0.6	1.1
RH-1	SY-4	W-2	SY-4	GD-2	7740160	-99	13	7.7	12.8	15	560	3	3.1	59	1.1	3.2	2	-99	1092	0.6	0.6
MAG-1	WGB-1		WGB-1	GD-1	7740180	-99	5	-99	-99	71	358	7	-99	20	44.5	-99	-99	-99	118	-99	-99
FK-N	SY-4		SY-4	GA-1	7740200	-99	13	-99	-99	15	557	3	-99	53	1.1	-99	-99	-99	1089	-99	-99
BCR-1	SY-4		WGB-1	RH-1	7740220	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99.0	-99	-99	-99	-99	-99	-99
BS-1	SY-4		GD-2	GD-2	7740240	-99	13	-99	-99	4	557	-1	-99	56	1.0	-99	-99	-99	1054	-99	-99
BCR-1	WGB-1		RH-1	GD-1	7740260	-99	7	-99	-99	57	356	2	-99	20	42.7	-99	-99	-99	115	-99	-99
DR-N	SY-4		BS-1	GA-1	7740280	-99	13	-99	-99	4	548	-1	-99	54	1.0	-99	-99	-99	1078	-99	-99
GA-1	WGB-1	QLO-1	AND-1	RH-1	7740300	-99	7	8.3	22.7	59	376	-1	5.8	25	43.8	4.5	2	-99	117	0.6	0.6
AGV-1	WGB-1	AGV-1	SU-1A	GD-2	7740920	-2	12	11.9	32.4	60	-99	5	8.4	18	43.3	6.0	4	656	656	0.7	0.7
MAG-1	SY-4	MAG-1	CH-2	AND-1	7740940	-2	13	12.7	34.8	12	-99	-1	9.2	56	0.9	6.6	3	129	129	-0.5	0.8
BIR-1	WGB-1	BIR-1	SU-1A	GD-1	7740960	-2	-1	-1.0	2.4	63	-99	2	0.4	24	44.3	0.9	-1	104	104	-0.5	0.4
W-2	SY-4	W-2	CH-2	GA-1	7740980	-2	6	5.6	12.5	12	-99	-1	3.1	52	0.9	3.2	1	183	183	-0.5	0.7
BIR-1	WGB-1	BIR-1	SU-1A	BS-1	7741000	-2	-1	-1.0	2.5	59	-99	-1	0.4	20	42.5	1.2	-1	117	117	-0.5	0.4
STM-1	WGB-1	STM-1	CH-2	GD-1	7741020	7	-99	199.7	74.4	52	-99	5	23.4	22	43.2	10.8	7	635	-99	21.6	1.3
SDC-1	WGB-1	SDC-1	SU-1A	GA-1	7741040	-2	-99	13.8	37.7	51	-99	5	9.8	23	43.4	7.5	3	163	-99	1.4	1.0
QLO-1	WGB-1	QLO-1	CH-2	BS-1	7741060	-2	-99	8.4	21.9	51	-99	4	5.6	22	42.3	4.1	2	311	-99	-0.5	0.6
BHVO-1	SY-4	BHVO-1	SU-1A	AND-1	7741080	2	-99	14.9	22.3	7	-99	-1	5.0	52	0.9	5.8	2	355	-99	1.6	0.8
RGM-1	WGB-1	RGM-1	CH-2	GD-1	7741100	2	-99	6.2	17.8	55	-99	3	4.8	21	44.1	3.8	4	95	-99	-0.5	0.5
G-2	SY-4	G-2	SU-1A	GA-1	7741120	-2	-99	8.4	47.9	6	-99	-1	15.0	51	0.9	6.8	4	427	-99	-0.5	0.5
W-2	WGB-1	W-2	CH-2	BS-1	7741140	-2	-99	6.1	12.1	50	-99	6	2.8	18	40.4	3.1	2	191	-99	-0.5	0.6

Open File LAB/1692 - Appendix H3: Standards Data and Detection Limits - GSNL

StandardID	StandardID	StandardID	StandardID	StandardID	LabNum	Th	Ti	Tl	Tm	U	V	V	W	Y	Y	Yb	Zn	Zr
Unit						ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Detection Limit						0.1	1	0.1, 0.5	0.05	0.1	5	1	1	1	1	0.1	1	1
Analysis	Method					ICP-MS-	ICPOES-	ICP-MS-	ICP-MS-	ICP-MS-	ICP-MS-	ICPOES-	ICP-MS-	ICP-MS-	ICPOES-	ICP-MS-	ICPOES-	ICPOES-
ICPOES-FUS	ICPOES-4Acid	ICP-MS-FUS	ICPOES-HN03	ISE		FUS	4Acid	FUS	FUS	FUS	FUS	4Acid	FUS	FUS	4Acid	FUS	4Acid	FUS
BS-1	SY-4		WGB-1	RH-1	7740020	-99	1711	-99	-99	-99	-99	-1	-99	-99	123	-99	93	108
MA-N	WGB-1	QLO-1	SY-4	AND-1	7740040	4.8	5131	-0.5	0.36	2.0	-99	228	-1	-99	15	2.5	38	30
GA-1	SY-4	W-2	WMG-1	BS-1	7740060	2.1	1802	-0.5	0.32	0.5	-99	-1	-1	-99	131	2.2	97	84
DR-N	WGB-1		WGB-1	GA-1	7740080	-99	5032	-99	-99	-99	-99	224	-99	-99	15	-99	37	122
G-2	WGB-1		WGB-1	GD-1	7740100	-99	4956	-99	-99	-99	-99	221	-99	-99	14	-99	38	355
GD-1	SY-4	G-2	SY-4	GD-1	7740120	23.8	1740	-0.5	0.10	2.1	-99	-1	-1	-99	120	0.7	94	115
AGV-1	WGB-1	SDC-1	WGB-1	RY-1	7740140	13.4	5078	-0.5	0.61	3.1	-99	220	-1	-99	14	4.2	38	222
RH-1	SY-4	W-2	SY-4	GD-2	7740160	2.2	1704	-0.5	0.33	0.5	-99	-1	1	-99	116	2.0	93	251
MAG-1	WGB-1		WGB-1	GD-1	7740180	-99	4885	-99	-99	-99	-99	223	-99	-99	14	-99	39	125
FK-N	SY-4		SY-4	GA-1	7740200	-99	1601	-99	-99	-99	-99	1	-99	-99	115	-99	88	-1
BCR-1	SY-4		WGB-1	RH-1	7740220	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	180
BS-1	SY-4		GD-2	GD-2	7740240	-99	1807	-99	-99	-99	-99	2	-99	-99	126	-99	95	118
BCR-1	WGB-1		RH-1	GD-1	7740260	-99	5479	-99	-99	-99	-99	216	-99	-99	15	-99	40	180
DR-N	SY-4		BS-1	GA-1	7740280	-99	1792	-99	-99	-99	-99	2	-99	-99	127	-99	95	138
GA-1	WGB-1	QLO-1	AND-1	RH-1	7740300	4.4	5554	-0.5	0.27	1.7	-99	222	-1	-99	16	2.4	38	86
AGV-1	WGB-1	AGV-1	SU-1A	GD-2	7740920	6.7	5294	0.2	0.25	2.0	117	-99	-1	18	-99	1.7	37	224
MAG-1	SY-4	MAG-1	CH-2	AND-1	7740940	10.6	1779	-0.5	0.39	2.5	129	-99	2	22	-99	2.3	95	129
BIR-1	WGB-1	BIR-1	SU-1A	GD-1	7740960	-0.1	5296	-0.5	0.23	-0.1	296	-99	-1	14	-99	1.7	36	18
W-2	SY-4	W-2	CH-2	GA-1	7740980	2.3	1644	-0.5	0.31	0.5	228	-99	-1	18	-99	2.2	91	93
BIR-1	WGB-1	BIR-1	SU-1A	BS-1	7741000	-0.1	4883	-0.5	0.20	-0.1	318	-99	-1	15	-99	1.9	36	17
STM-1	WGB-1	STM-1	CH-2	GD-1	7741020	26.5	5142	0.1	0.64	7.4	-99	219	7	37	-99	3.8	35	1223
SDC-1	WGB-1	SDC-1	SU-1A	GA-1	7741040	9.8	5141	-0.5	0.54	2.2	-99	221	1	32	-99	3.5	35	292
QLO-1	WGB-1	QLO-1	CH-2	BS-1	7741060	4.4	5001	-0.5	0.33	1.9	-99	215	-1	20	-99	2.4	35	169
BHVO-1	SY-4	BHVO-1	SU-1A	AND-1	7741080	1.1	1665	-0.5	0.32	0.4	-99	5	2	22	-99	1.8	90	166
RGM-1	WGB-1	RGM-1	CH-2	GD-1	7741100	13.1	5298	-0.5	0.32	5.1	-99	230	-1	20	-99	2.2	36	208
G-2	SY-4	G-2	SU-1A	GA-1	7741120	22.3	1641	-0.5	0.10	1.6	-99	5	-1	8	-99	0.6	90	302
W-2	WGB-1	W-2	CH-2	BS-1	7741140	2.1	4835	-0.5	0.24	0.4	-99	209	-1	19	-99	2.0	33	90