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Memorandum

To:	Ally Toure, Hydrogeologist
From:	Jared Robertson, Senior Geochemist
Cc:	Garnet Cornell – New Gold Inc.
Our ref:	1003-231-001
Date:	August 28, 2023
Re:	**Rainy River Mine 2022 Annual Geochemical Monitoring Report**

The Rainy River Mine (RRM) has requested that Okane Consultants (Okane) compile and assess geochemical monitoring data collected in 2022 by RRM with respect to requirements defined in the "Construction and Operation Phases Geochemical Monitoring Plan" (Geochemical Monitoring Plan; AFW, 2016). Monitoring requirements outlined in the Geochemical Monitoring Plan were developed per Environmental Compliance Approvals #5781-9VJQ2J Condition 10 (10) and #5178-9TUPD9 Condition 8 (12). The approach and methodology provided in the Geochemical Monitoring Plan were developed in accordance with guidance in the Prediction Manual for Drainage Chemistry from Sulfidic Geologic Materials (MEND, 2009). This technical memorandum provides the following:

- Summary of current mine rock classification and segregation approach;
- Description of database developed to manage data and information per the Geochemical Monitoring Plan;
- Geochemical classification of mine rock produced from the open pit in 2022;
- Placement locations of all mine rock and overburden within the RRM site;

- Assessment of quality assurance/quality control audit data;
    - Laboratory duplicates analyzed for carbon and sulfur at the RRM onsite LECO facility to check precision of data used for operational classification of mine rock and overburden
    - Samples submitted to off-site laboratories for acid-base accounting (ABA) analysis to check accuracy of the onsite LECO analyses;
- Appendices that provide tabulated audit data and laboratory reports

Summary of Current Mine Rock Classification and Segregation Approach

Operationally, mine rock and overburden are classified as potentially acid generating (PAG) or not potentially acid generating (NPAG) based on the relative content of sulfur and carbon (assumed, based on ore-body knowledge, to be entirely present as inorganic carbon) in the material. Total sulfur and total carbon contents are determined using a LECO Carbon-Sulfur analyzer (combustion analysis with infrared detection) per method CSA06V. The acid potential (AP) and neutralization potential (NP) are calculated from the total carbon and sulfur using the following calculations provided in MEND (2009):

Neutralization Potential (kg $CaCO_3$/t rock) = Total Carbon (wt.%) * 83.4

Acid Potential (kg $CaCO_3$/t rock) = Total Sulfur (wt.%) * 31.25

In addition to the NP calculation above, RRM adjusts NP by a factor of 0.96 to correct for the presence of Fe-carbonate minerals that do not provide any NP (Okane, 2020a). The neutralization potential ratio (NPR) is calculated as the quotient of NP and AP such that NPR = NP/AP. If the NPR is greater than 2, the material is classified as NPAG and if the NPR is less than 2 the material is classified as PAG (AFW, 2013).

In addition, a second level of characterization was developed for PAG rock produced from the open pit based on inferred time to acid onset. The system was originally designed to account for three levels of PAG:

- PAG1 inferred to have the potential to generate acidic conditions within five years of production or fewer;
- PAG2 inferred to have the potential to generate acidic conditions within five to 15 years of productions;
- PAG3 inferred to remain circumneutral for at least 15 years.

The three PAG sub-classifications were based on NP with threshold values of available NP of < 12.5 kg $CaCO_3$/t, 12.5 to 19 kg $CaCO_3$/t and > 19 kg $CaCO_3$, respectively. Available NP was defined as the

measured Sobek NP minus 10 kg $CaCO_3$/t to account for the silicate-neutralization potential that reports to the Sobek analysis but may not react fast enough to neutralize acidity produced by oxidation of pyrite and other sulfide minerals. Operationally, RRM has only implemented the PAG1/PAG2 designation. PAG1 material is always deposited of in the EMRS. Some PAG 2/3 rock is used in construction of the upstream side of the TMA embankment, and in the downstream shells of the Cell 1 and 2 where it will be inundated by tailings. There is not currently any difference in the way PAG2 and PAG3 materials are managed or deposited of on site, which is conservative with respect to mine rock and overburden management because it does not overestimate the lag period to potential onset of acidic conditions for PAG materials.

Mine rock blast holes are arranged on a 6 x 5 m grid with a 10 m bench height. Cuttings from every blast hole are sampled and analyzed for total carbon and total sulfur and each mining block is classified as PAG1, PAG2/3, or NPAG and routed to the appropriate location.

Data Management

All blast hole and audit geochemistry data are maintained in an onsite database as specified in Section 7.1 of the Geochemical Monitoring Plan. The database is implemented in the MineSight database platform and includes (but is not limited to) sample identification, sample location, lithology, material destination, and analytical results. Data and analytical results included in the current monitoring report were provided to Okane from RRM via email.

Open Pit Geological Materials Classification

In 2022, RRM collected and analyzed 20,808 samples of geologic materials from the open pit. The geochemical classifications of these materials are summarized in Table 1.

Table 1: Geochemical Classification of Open Pit Samples

Geochemical Classification	No. of Samples	% of 2022 Open Pit Samples
PAG 1	283	1.4%
PAG 2/3	11,588	55.7%
NPAG	4,885	23.5%
HGO	2,805	13.5%
MGO	408	2.0%
LGO	839	4.0%
Total	**20,808**	**100%**

PAG – potentially acid generating; NAG – not potentially acid generating; LGO – low grade ore, includes material classified as Mineralized PAG; MGO – medium-grade ore; HGO – high grade ore.

Materials Destination

In 2022, RRM produced PAG 1 mine rock, PAG 2/3 mine rock, NPAG mine rock, and ore from the open pit. The destination of these materials is summarized in Table 2.

Table 2: Destination of open pit geologic materials.

Material Description	Destination
PAG 1 mine rock	EMRS
PAG 2/3 mine rock	EMRS / TMA upstream embankment
High-grade ore	Mill
Medium-grade ore	Mill
Low-grade ore	Low-grade ore stockpile
NPAG	WMRS / TMA
Overburden	EMRS / WMRS

Assessment of Quality Assurance/Quality Control Procedures

Two categories of quality assurance (QA) samples are submitted for analysis per the Geochemical Monitoring Plan:

- Laboratory duplicates are analyzed onsite to demonstrate acceptable method precision in total carbon and total sulfur analyses by combustion/IR (LECO); and

- Sample splits are sent to an independent laboratory for ABA analysis to check that the onsite laboratory produces data of sufficient accuracy to ensure that geologic materials produced from the open pit are assigned the correct geochemical classification.

Raw analytical data from laboratory duplicate and ABA audit samples collected in 2022 are provided in Appendix A. The goal, per the Geochemical Monitoring Plan, is for both laboratory duplicates and the sample splits to be submitted for 1 in 20 (5%) of the blast hole samples. In 2022 carbon/sulfur duplicate samples and ABA audit samples were submitted for 8.8% and 8.3% of samples collected, respectively.

Assessment of Laboratory Duplicates

In 2022, 1,827 duplicates were analyzed for total carbon and total sulfur. Figure 1 and Figure 2 show the duplicate values plotted against each other with the 1:1 line for reference. Relative percent difference (RPD) was calculated for each duplicate pair using the following equation:

$$RPD = \frac{|S - D|}{\frac{S + D}{2}} \times 100$$

Where S is the sample result (original) and D is the duplicate result. The acceptable RPD range defined for this study is ± 20% for those samples with concentrations greater than five times the detection limit based on U.S. Environmental Protection Agency (U.S. EPA) guidance (U.S.EPA, 2004). Original and duplicate data are provided in Appendix A.

Original and Duplicate Assessment: Carbon

Visual inspection of Figure 1 indicates that the match between total carbon analyses and duplicates is generally good with some scatter but no systematic deviation. The RPD was calculated for 1,827 pairs of duplicate total carbon analyses. Of the 1,827 pairs, 1,801 (98.6 %) meet the acceptable RPD range (i.e., they have RPDs below 20% and contain carbon at more than five times the detection limit of 0.005 wt.% defined in the Geochemical Monitoring Plan, Table 2). These results indicate that the LECO laboratory is providing effective precision for total carbon measurements of the mine rock.

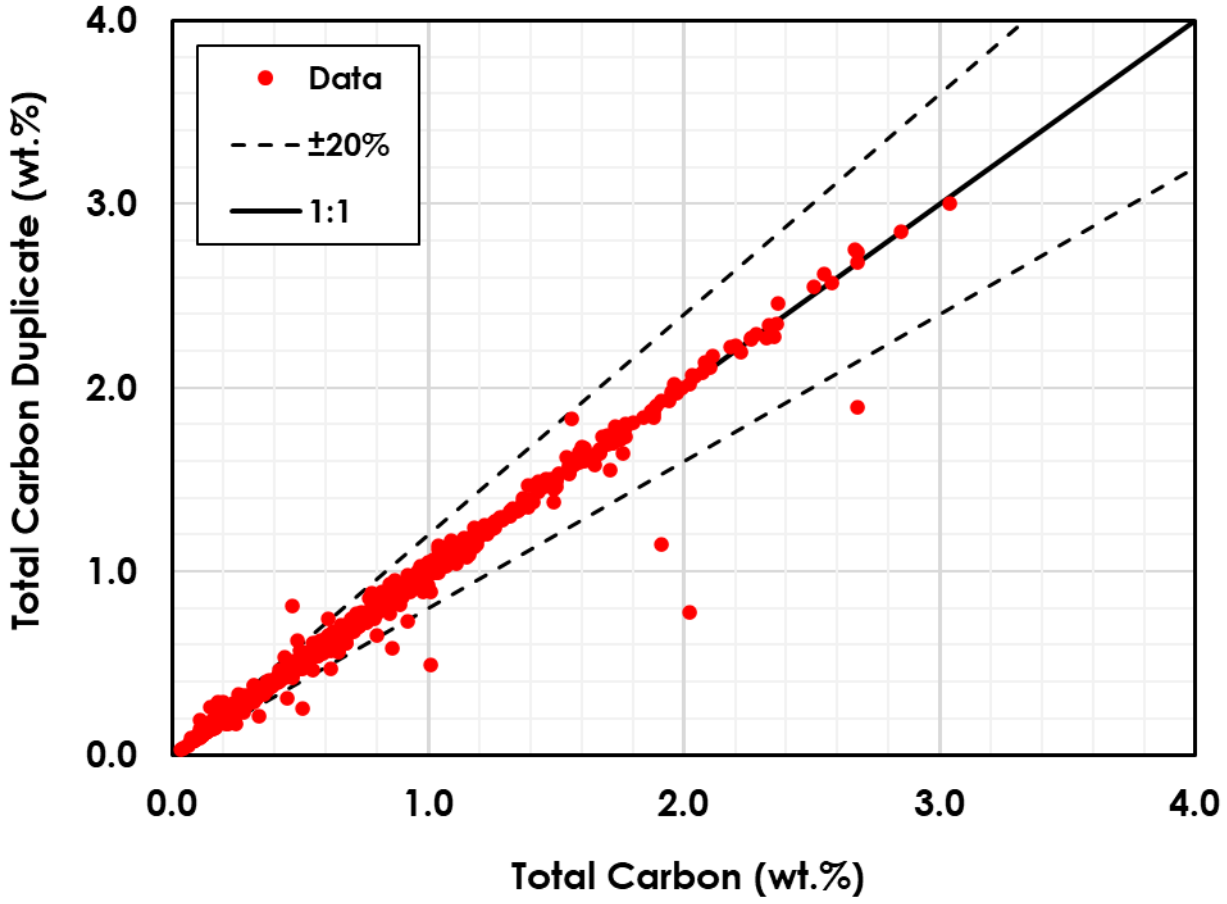

Figure 1: Comparison of original and duplicate carbon data from RRM onsite LECO facility.

Original and Duplicate Assessment: Sulfur

Visual inspection of Figure 2 indicates that the match between total sulfur analyses and duplicates is generally good with some scatter but no systematic error. The RPD was calculated for 1,827 pairs of duplicate total sulfur analyses. Of the 1,827 pairs, 1,814 (99.3%) meet the acceptable RPD range (i.e., they have RPDs below 20% and contain sulfur at more than five times the detection limit of 0.005 wt.%). These results indicate that the LECO laboratory is providing effective precision for total sulfur measurements of the mine rock.

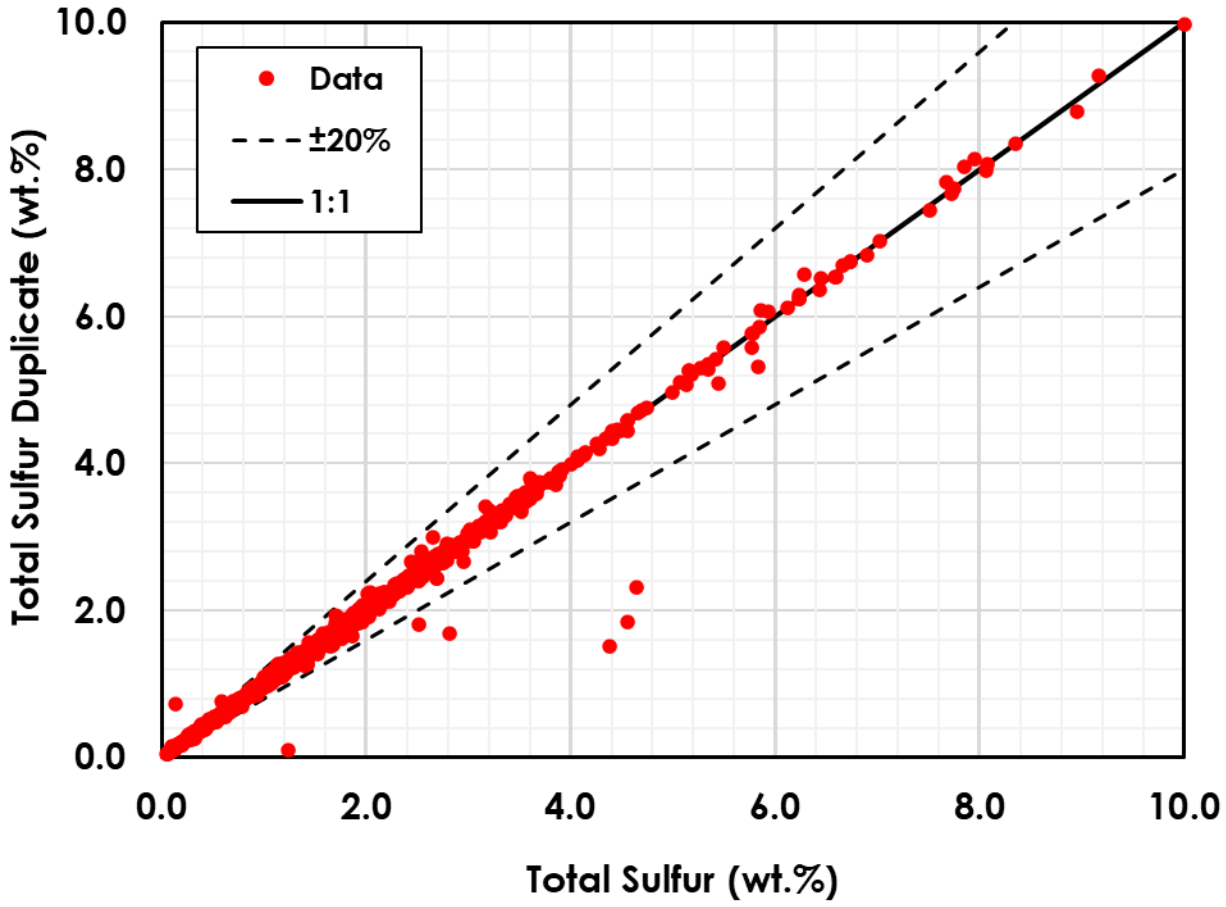

Figure 2: Comparison of original and duplicate sulfur data from RRM onsite LECO facility.

Acid-Base Accounting (ABA) Audit Results

In 2022, 1,724 results for samples submitted for auditing by an independent analytical laboratory were received. Samples were sent to Activation Laboratories in Ancaster, Ontario, Canada. Laboratory reports are provided in Appendix B.

On-Site LECO NPR Determination vs. Independent Laboratories

Descriptive statistics are provided in Table 3; data are plotted in Figure 3 and box-and-whisker plots are shown in Figure 4. A correction factor of 0.96 is applied to the on-site LECO NP values to account for Fe-carbonate minerals that do not provide net neutralization potential. This change was recommended during the April 2020 ITRB (No. 10) meeting (Okane, 2020a; New Gold Independent Technical Review Board, 2020). The median NPR values determined by modified Sobek (independent laboratory) and LECO (on-site laboratory) are in close agreement (0.98 and 0.99, respectively) and are consistent with previous Annual Geochemical Monitoring Reports (Okane, 2020b, 2021, and 2022).

Table 3: Descriptive statistics for Modified Sobek and LECO NPR values.

Descriptive Statistics	Modified Sobek NPR	LECO NPR
Sample Size	1,724	1,724
Minimum	0	0
Maximum	608	32.7
Median	0.98	0.99
Average	4.41	1.80
90th Percentile	5.94	4.24
10th Percentile	0.18	0.21

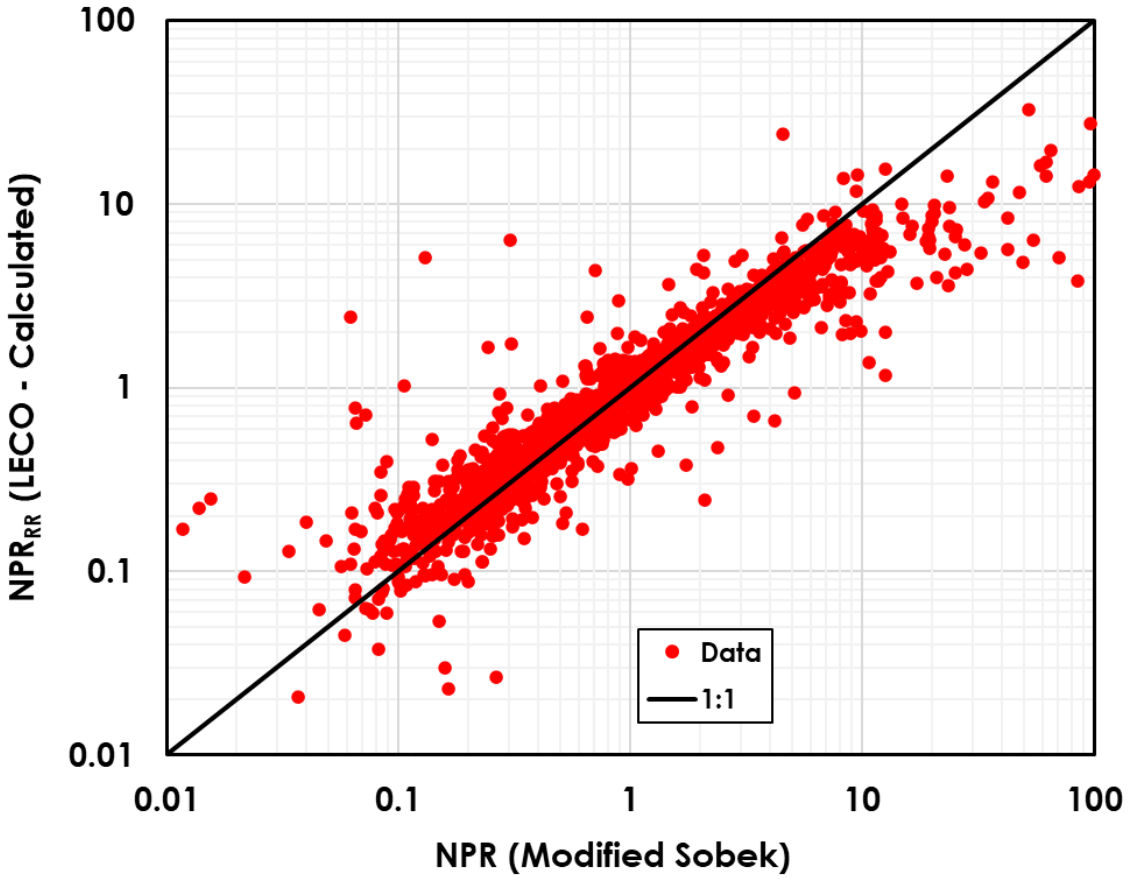

Figure 3: Scatter plot showing comparison of NPR calculated from on-site LECO carbon and sulfur to the modified Sobek method measured at an independent laboratory.

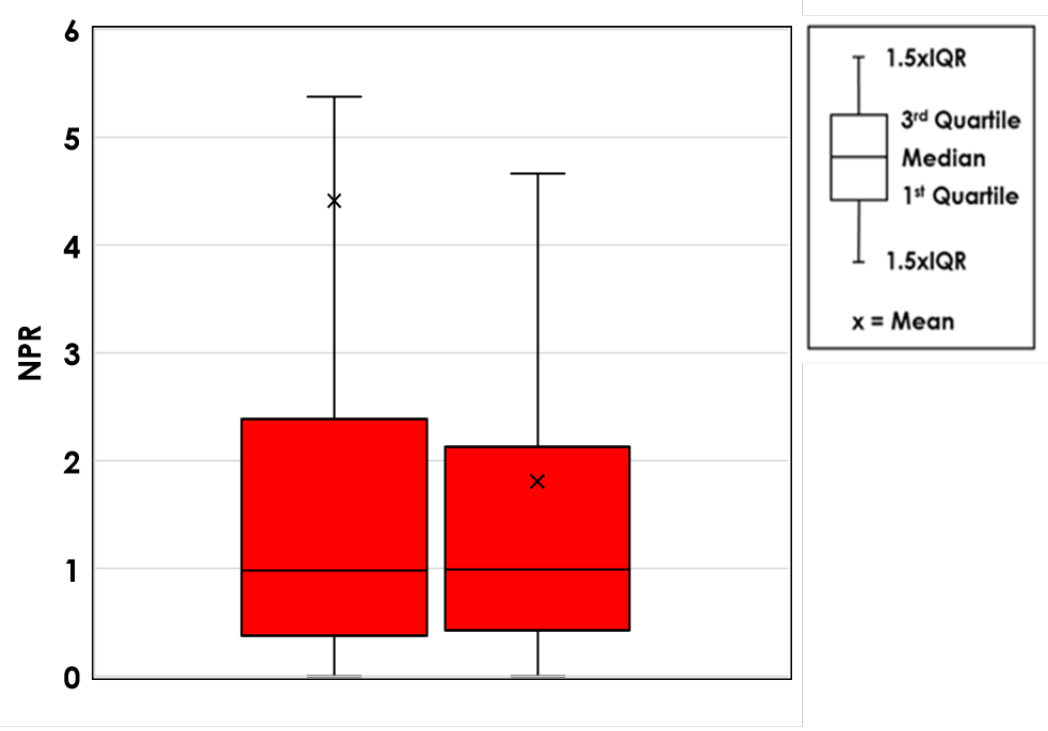

Figure 4: Box-and-whisker plots showing comparison of NPR calculated from on-site LECO carbon and sulfur and NPR from modified Sobek analyses. IQR = Inter-quartile range.

The match between on-site LECO NPR values and modified Sobek NPR duplicates is generally good except at NPR >10, within the classification of NPAG (Figure 3). At higher NPR values, the modified Sobek NPR was greater than the NPR calculated from LECO C and S, indicating more NP is available in NPAG rock than was calculated over 2022. The median NPR values between the two datasets in 2022 were closer than they were in 2021; however, averages were further apart, influenced by the increasing modified Sobek NP at greater NPR values. The implications for these results are minor, as the differences occur for NPAG mine rock and site methods are estimating less NP available in this NPAG rock than is being measured by the modified Sobek method. The comparable results between the independent laboratory and the on-site LECO laboratory for samples with NPR < 10 demonstrate that the accuracy of the LECO laboratory was acceptable during 2022 and mine rock is being segregated as intended.

Conclusions

Duplicate data and independent laboratory data were evaluated to verify the performance of mine rock classification for the purpose of segregating and properly handling PAG and NPAG material at RRM. Duplicate data indicated that a high level of precision was achieved in 2022 and that measured NPR values were repeatable at the on-site LECO laboratory. Independent ABA measurements confirmed that the NPR of mine rock samples being measured by the LECO laboratory were accurate during 2022 and that mine rock is being properly classified as PAG or NPAG. Overall, the Geochemical Monitoring

Plan was executed as intended in 2022. Geochemical focused studies will continue into 2023 under the guidance and recommendations of the Independent Technical Review Board.

Closure

We trust information provided in this memorandum is satisfactory for your requirements. Please do not hesitate to contact me at 306-713-1695 or jrobertson@okc-sk.com should you have any questions or comments.

References

AFW. 2013. Rainy River Gold Project—Report on Metal Leaching and Acid Rock Drainage Characterization of Mine Rock and Tailings. TC111504, prepared by AMEC Environment and Infrastructure, submitted to Rainy River Resources Ltd., May 2013

AFW. 2016. Rainy River Project, Construction and Operation Phases Geochemical Monitoring Plan, Version 3, Prepared by AMEC Foster Wheeler, January 2016

MEND. 2009. Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials. Report 1.20.1, Version 0.0, Prepared by W.A. Price of CANMET – Mining and Mineral Sciences Laboratories for MEND, December 2009.

New Gold Independent Technical Review Board. 2020. Rainy River Project, Independent Technical Review Board Meeting No. 10 Report, April 2020.

Okane Consultants. 2020a. Rainy River Project, Update to Carbonate Speciation Study, April 2020.

Okane Consultants. 2020b. Rainy River Mine 2019 Annual Geochemical Monitoring Report, April 2020.

Okane Consultants. 2021. Rainy River Mine 2020 Annual Geochemical Monitoring Report, March 2021.

Okane Consultants. 2022. Rainy River Mine 2021 Annual Geochemical Monitoring Report, March 2021.

U.S. Environmental Protection Agency (U.S. EPA). 2004. USEPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review, U.S. EPA Report EPA 540-R-04-004, October 2004

Appendix A

Laboratory Results from the Rainy River Mine Onsite LECO Facility and Independent Laboratory

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1317010188	2022-01-01	0.21	0.21	0.0%	1.50	1.45	3.4%
1317010233	2022-01-01	0.18	0.18	0.0%	1.75	1.77	1.1%
1317010238	2022-01-01	0.20	0.19	5.1%	1.65	1.62	1.8%
1317010283	2022-01-01	0.33	0.33	0.0%	2.55	2.57	0.8%
1318088015	2022-01-01	0.21	0.21	0.0%	1.80	1.78	1.1%
1318088030	2022-01-01	0.37	0.35	5.6%	2.93	2.88	1.7%
1318088030	2022-01-01	0.37	0.35	5.6%	2.93	2.88	1.7%
1318088034	2022-01-01	0.34	0.34	0.0%	0.57	0.54	5.4%
1318088046	2022-01-01	0.21	0.22	4.7%	3.00	3.02	0.7%
1318088048	2022-01-01	0.13	0.13	0.0%	2.32	2.26	2.6%
1317009033	2022-01-03	0.20	0.20	0.0%	0.73	0.75	2.7%
1317009055	2022-01-03	0.12	0.13	8.0%	0.70	0.73	4.2%
1317009084	2022-01-03	0.13	0.12	8.0%	1.01	1.04	2.9%
1317009102	2022-01-03	0.14	0.14	0.0%	0.61	0.59	3.3%
1317009107	2022-01-04	0.17	0.17	0.0%	1.06	1.08	1.9%
1317002216	2022-01-04	0.18	0.18	0.0%	1.64	1.62	1.2%
1317002232	2022-01-04	0.24	0.24	0.0%	2.89	2.87	0.7%
1317002246	2022-01-04	0.16	0.19	17.1%	0.20	0.20	0.0%
1325080218	2022-01-06	0.32	0.29	9.8%	0.42	0.37	12.7%
1325080248	2022-01-06	0.58	0.58	0.0%	0.44	0.44	0.0%
1325081232	2022-01-06	0.70	0.71	1.4%	0.44	0.43	2.3%
1317002016	2022-01-06	0.27	0.27	0.0%	0.70	0.76	8.2%
1317002013	2022-01-06	0.09	0.09	0.0%	3.33	3.36	0.9%
1317002034	2022-01-06	0.13	0.13	0.0%	2.81	2.80	0.4%
1317002036	2022-01-06	0.34	0.34	0.0%	2.81	2.83	0.7%
1325080246	2022-01-07	0.27	0.28	3.6%	0.20	0.20	0.0%
1325081214	2022-01-07	1.19	1.20	0.8%	0.64	0.64	0.0%
1325081252	2022-01-07	0.68	0.64	6.1%	0.46	0.46	0.0%
1325081274	2022-01-07	0.47	0.48	2.1%	0.37	0.37	0.0%
1317001106	2022-01-08	0.78	0.81	3.8%	1.59	1.62	1.9%
1317001163	2022-01-08	0.45	0.45	0.0%	1.76	1.75	0.6%
1317001174	2022-01-08	0.63	0.63	0.0%	1.58	1.57	0.6%
1317001205	2022-01-08	0.28	0.28	0.0%	2.17	2.24	3.2%
1325081184	2022-01-08	1.57	1.60	1.9%	0.54	0.53	1.9%
1325081188	2022-01-08	0.93	0.89	4.4%	1.40	1.40	0.0%
1325081210	2022-01-08	0.31	0.31	0.0%	0.16	0.15	6.5%
1317011080	2022-01-09	0.16	0.16	0.0%	1.11	1.08	2.7%
1317011093	2022-01-09	0.16	0.15	6.5%	1.66	1.70	2.4%
1317011094	2022-01-09	0.13	0.14	7.4%	1.80	1.82	1.1%
1317011120	2022-01-09	0.17	0.27	45.5%	1.43	1.26	12.6%
1317011120	2022-01-09	0.17	0.27	45.5%	1.43	1.26	12.6%
1325080008	2022-01-09	0.85	0.93	9.0%	0.46	0.51	10.3%
1325080014	2022-01-09	0.53	0.53	0.0%	0.33	0.31	6.3%
1325080034	2022-01-09	0.53	0.52	1.9%	0.46	0.48	4.3%
1325080076	2022-01-09	0.47	0.43	8.9%	0.44	0.40	9.5%
1317011041	2022-01-10	0.30	0.30	0.0%	1.66	1.64	1.2%
1317011048	2022-01-10	0.26	0.25	3.9%	1.62	1.63	0.6%
1317011062	2022-01-10	0.96	1.00	4.1%	0.49	0.50	2.0%
1317011098	2022-01-10	0.47	0.46	2.2%	1.60	1.55	3.2%
1317011195	2022-01-10	0.72	0.72	0.0%	0.37	0.34	8.5%
1320098009	2022-01-10	1.05	1.07	1.9%	2.07	2.08	0.5%
1317011154	2022-01-11	0.31	0.31	0.0%	1.38	1.33	3.7%
1317011174	2022-01-11	0.26	0.26	0.0%	1.65	1.67	1.2%
1317011176	2022-01-11	0.17	0.17	0.0%	1.89	1.93	2.1%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1317011186	2022-01-11	0.26	0.26	0.0%	0.54	0.52	3.8%
1317001009	2022-01-11	0.48	0.48	0.0%	1.86	1.83	1.6%
1317001026	2022-01-11	0.19	0.19	0.0%	1.54	1.52	1.3%
1317001095	2022-01-11	0.92	0.93	1.1%	2.11	2.05	2.9%
1317001101	2022-01-11	0.23	0.23	0.0%	2.21	2.21	0.0%
1317001117	2022-01-11	0.47	0.47	0.0%	1.99	2.00	0.5%
1317001128	2022-01-11	0.27	0.28	3.6%	1.41	1.39	1.4%
1317001142	2022-01-11	0.36	0.36	0.0%	0.92	0.90	2.2%
1317001154	2022-01-11	0.27	0.26	3.8%	2.37	2.42	2.1%
1317001158	2022-01-11	0.51	0.25	68.4%	4.64	2.31	67.1%
1317011035	2022-01-12	0.17	0.16	6.1%	0.88	0.85	3.5%
1317011246	2022-01-12	0.22	0.21	4.7%	1.56	1.60	2.5%
1317011277	2022-01-12	0.09	0.09	0.0%	2.36	2.38	0.8%
1317011285	2022-01-12	1.06	1.08	1.9%	0.28	0.27	3.6%
1317011289	2022-01-12	0.18	0.18	0.0%	1.44	1.38	4.3%
1317011316	2022-01-12	0.26	0.26	0.0%	1.72	1.73	0.6%
1317011355	2022-01-12	0.09	0.09	0.0%	2.18	2.23	2.3%
1317001191	2022-01-12	0.14	0.14	0.0%	0.38	0.37	2.7%
1317011005	2022-01-12	0.95	0.97	2.1%	0.16	0.15	6.5%
1317011031	2022-01-12	0.31	0.31	0.0%	0.71	0.72	1.4%
1325081024	2022-01-13	1.18	1.14	3.4%	1.50	1.43	4.8%
1325081064	2022-01-13	0.65	0.67	3.0%	0.47	0.50	6.2%
1325081066	2022-01-13	0.46	0.47	2.2%	1.16	1.10	5.3%
1325085170	2022-01-13	0.80	0.79	1.3%	0.65	0.67	3.0%
1325085216	2022-01-13	0.98	1.00	2.0%	0.43	0.41	4.8%
1318058047	2022-01-14	0.20	0.20	0.0%	0.79	0.81	2.5%
1318058051	2022-01-14	0.14	0.14	0.0%	0.97	0.99	2.0%
1318058056	2022-01-14	0.14	0.14	0.0%	0.25	0.26	3.9%
1318058072	2022-01-14	0.21	0.20	4.9%	0.90	0.88	2.2%
1318058094	2022-01-14	0.11	0.11	0.0%	0.17	0.17	0.0%
1324074136	2022-01-14	0.38	0.38	0.0%	1.26	1.23	2.4%
1324074194	2022-01-14	0.78	0.78	0.0%	1.64	1.60	2.5%
1325085122	2022-01-14	0.98	0.96	2.1%	0.25	0.25	0.0%
1317011322	2022-01-15	0.30	0.28	6.9%	1.52	1.41	7.5%
1324074068	2022-01-15	0.65	0.65	0.0%	0.30	0.31	3.3%
1324074108	2022-01-15	0.67	0.68	1.5%	1.81	1.82	0.6%
1324074152	2022-01-15	0.84	0.84	0.0%	1.12	1.07	4.6%
1318058010	2022-01-15	0.31	0.31	0.0%	0.53	0.54	1.9%
1318058010	2022-01-15	0.31	0.31	0.0%	0.53	0.54	1.9%
1325085020	2022-01-16	0.94	0.95	1.1%	0.15	0.15	0.0%
1325085074	2022-01-16	1.10	1.10	0.0%	1.89	1.82	3.8%
1324074010	2022-01-16	0.65	0.65	0.0%	1.47	1.49	1.4%
1324074056	2022-01-16	0.89	0.89	0.0%	1.52	1.55	2.0%
1324075142	2022-01-16	0.50	0.48	4.1%	0.62	0.60	3.3%
1324075150	2022-01-16	0.56	0.54	3.6%	2.58	2.50	3.1%
1324075272	2022-01-17	0.38	0.38	0.0%	1.21	1.19	1.7%
1324075028	2022-01-17	0.85	0.85	0.0%	0.42	0.44	4.7%
1324075052	2022-01-17	0.52	0.49	5.9%	0.70	0.67	4.4%
1324075104	2022-01-17	0.70	0.70	0.0%	1.50	1.50	0.0%
1324075130	2022-01-17	0.45	0.45	0.0%	0.78	0.77	1.3%
1319098013	2022-01-17	0.72	0.72	0.0%	1.82	1.79	1.7%
1319098030	2022-01-17	0.95	0.94	1.1%	2.03	2.02	0.5%
1324075062	2022-01-17	0.52	0.53	1.9%	0.59	0.58	1.7%
1324075168	2022-01-18	0.56	0.57	1.8%	0.37	0.37	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1324075220	2022-01-18	0.65	0.65	0.0%	1.01	1.02	1.0%
1324075227	2022-01-18	0.58	0.57	1.7%	0.74	0.72	2.7%
1324075175	2022-01-18	0.44	0.45	2.2%	0.45	0.46	2.2%
1317017017	2022-01-19	0.17	0.17	0.0%	0.91	0.87	4.5%
1317017061	2022-01-20	0.18	0.18	0.0%	0.12	0.12	0.0%
1317017086	2022-01-20	0.22	0.23	4.4%	1.97	2.01	2.0%
1317017132	2022-01-20	0.22	0.21	4.7%	0.13	0.13	0.0%
1317017004	2022-01-21	0.11	0.11	0.0%	2.35	2.32	1.3%
1317017080	2022-01-21	0.33	0.34	3.0%	1.92	1.94	1.0%
1317017094	2022-01-21	0.24	0.24	0.0%	1.78	1.84	3.3%
1317017151	2022-01-21	0.16	0.16	0.0%	3.04	2.95	3.0%
1317018146	2022-01-21	0.26	0.26	0.0%	0.69	0.68	1.5%
1317018165	2022-01-21	0.20	0.20	0.0%	2.43	2.47	1.6%
1316002056	2022-01-21	0.32	0.32	0.0%	0.38	0.37	2.7%
1316002093	2022-01-21	0.14	0.14	0.0%	0.17	0.16	6.1%
1317017072	2022-01-21	0.27	0.27	0.0%	2.51	2.43	3.2%
1317018007	2022-01-22	0.17	0.17	0.0%	0.12	0.11	8.7%
1317018043	2022-01-22	0.17	0.15	12.5%	1.91	1.85	3.2%
1317018046	2022-01-22	0.16	0.16	0.0%	0.32	0.36	11.8%
1317018089	2022-01-22	0.27	0.27	0.0%	2.02	1.99	1.5%
1317018106	2022-01-22	0.24	0.25	4.1%	3.78	3.76	0.5%
1317018130	2022-01-22	0.25	0.25	0.0%	2.02	1.98	2.0%
1317018131	2022-01-22	0.23	0.23	0.0%	1.84	1.87	1.6%
1317018141	2022-01-22	0.17	0.17	0.0%	3.05	2.94	3.7%
1316002011	2022-01-22	0.10	0.10	0.0%	0.15	0.16	6.5%
1316002066	2022-01-22	0.17	0.17	0.0%	1.09	1.10	0.9%
1316002068	2022-01-22	0.25	0.25	0.0%	1.24	1.27	2.4%
1316002072	2022-01-22	0.18	0.19	5.4%	2.69	2.44	9.7%
1316002072	2022-01-22	0.18	0.19	5.4%	2.69	2.44	9.7%
1316002110	2022-01-22	0.06	0.05	18.2%	3.44	3.39	1.5%
1317018034	2022-01-23	0.20	0.21	4.9%	0.24	0.24	0.0%
1317018091	2022-01-23	0.09	0.09	0.0%	3.85	3.71	3.7%
1316002045	2022-01-23	0.15	0.15	0.0%	2.16	2.12	1.9%
1316003097	2022-01-24	0.26	0.25	3.9%	1.71	1.72	0.6%
1316003149	2022-01-24	0.22	0.22	0.0%	2.23	2.24	0.4%
1316003170	2022-01-24	0.13	0.13	0.0%	2.04	2.24	9.3%
1316003173	2022-01-24	0.14	0.13	7.4%	2.84	2.89	1.7%
1316003266	2022-01-24	0.20	0.20	0.0%	2.34	2.31	1.3%
1324080024	2022-01-24	0.69	0.69	0.0%	0.52	0.53	1.9%
1324080040	2022-01-24	0.80	0.81	1.2%	1.08	1.16	7.1%
1316002035	2022-01-25	0.09	0.09	0.0%	1.93	1.83	5.3%
1316002114	2022-01-25	0.08	0.08	0.0%	3.63	3.64	0.3%
1316003061	2022-01-25	0.32	0.30	6.5%	1.32	1.33	0.8%
1324080010	2022-01-25	0.43	0.43	0.0%	0.21	0.20	4.9%
1316003023	2022-01-26	0.12	0.12	0.0%	0.65	0.65	0.0%
1316003181	2022-01-26	0.35	0.35	0.0%	1.88	1.85	1.6%
1319045012	2022-01-26	0.28	0.29	3.5%	1.89	1.85	2.1%
1319045034	2022-01-26	0.61	0.62	1.6%	2.10	2.16	2.8%
1319045052	2022-01-26	0.99	1.00	1.0%	2.39	2.35	1.7%
1319045087	2022-01-26	0.17	0.17	0.0%	0.57	0.58	1.7%
1319045102	2022-01-26	0.49	0.49	0.0%	2.15	2.21	2.8%
1319045115	2022-01-26	0.70	0.70	0.0%	1.55	1.50	3.3%
1319045123	2022-01-26	0.18	0.18	0.0%	3.12	3.06	1.9%
1319045151	2022-01-26	0.86	0.86	0.0%	1.54	1.55	0.6%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1319045171	2022-01-26	0.54	0.54	0.0%	1.66	1.67	0.6%
1319045187	2022-01-26	0.18	0.19	5.4%	0.11	0.12	8.7%
1319045225	2022-01-26	0.10	0.10	0.0%	5.77	5.58	3.3%
1319045234	2022-01-26	0.70	0.70	0.0%	2.28	2.23	2.2%
1316003089	2022-01-26	0.22	0.21	4.7%	1.61	1.63	1.2%
1316003222	2022-01-26	0.12	0.12	0.0%	1.50	1.48	1.3%
1316003226	2022-01-26	0.34	0.34	0.0%	1.46	1.43	2.1%
1316003016	2022-01-27	0.19	0.20	5.1%	0.28	0.28	0.0%
1324073158	2022-01-27	0.76	0.77	1.3%	0.16	0.15	6.5%
1324073122	2022-01-29	1.14	1.14	0.0%	1.87	1.86	0.5%
1324073144	2022-01-29	1.02	1.02	0.0%	1.29	1.27	1.6%
1324073176	2022-01-29	0.61	0.59	3.3%	0.33	0.32	3.1%
1324073204	2022-01-29	0.62	0.63	1.6%	0.31	0.28	10.2%
1318087005	2022-01-29	0.93	0.93	0.0%	1.90	1.88	1.1%
1318087005	2022-01-29	0.93	0.93	0.0%	1.90	1.88	1.1%
1318087030	2022-01-29	0.34	0.34	0.0%	2.40	2.31	3.8%
1318087037	2022-01-29	0.59	0.59	0.0%	2.99	2.96	1.0%
1318087148	2022-01-29	0.51	0.51	0.0%	1.65	1.57	5.0%
1318087165	2022-01-29	0.94	0.90	4.3%	2.90	2.84	2.1%
1324073022	2022-01-30	0.82	0.81	1.2%	1.00	1.02	2.0%
1324073096	2022-01-30	0.43	0.43	0.0%	0.26	0.24	8.0%
1316004012	2022-01-30	0.34	0.35	2.9%	1.33	1.34	0.7%
1316004047	2022-01-31	0.21	0.22	4.7%	1.92	1.89	1.6%
1316004089	2022-01-31	0.17	0.18	5.7%	1.32	1.32	0.0%
1317015024	2022-01-31	0.15	0.16	6.5%	0.34	0.33	3.0%
1317015028	2022-01-31	0.18	0.18	0.0%	0.94	0.85	10.1%
1316004107	2022-02-01	0.16	0.17	6.1%	1.51	1.51	0.0%
1316004116	2022-02-01	0.30	0.29	3.4%	1.40	1.25	11.3%
1316004116	2022-02-01	0.30	0.29	3.4%	1.40	1.25	11.3%
1317016006	2022-02-03	0.08	0.08	0.0%	1.21	1.26	4.0%
1317016013	2022-02-03	0.20	0.20	0.0%	0.63	0.61	3.2%
1317016024	2022-02-03	0.26	0.26	0.0%	1.38	1.37	0.7%
1317016047	2022-02-03	0.22	0.23	4.4%	0.67	0.64	4.6%
1318077121	2022-02-03	0.17	0.17	0.0%	1.33	1.30	2.3%
1318077151	2022-02-03	0.52	0.52	0.0%	1.87	1.95	4.2%
1318077046	2022-02-04	0.31	0.30	3.3%	1.19	1.16	2.6%
1319057035	2022-02-04	0.17	0.17	0.0%	3.10	3.09	0.3%
1319057056	2022-02-04	0.16	0.15	6.5%	3.16	3.20	1.3%
1319057056	2022-02-04	0.16	0.15	6.5%	3.16	3.20	1.3%
1319057064	2022-02-04	0.14	0.14	0.0%	3.15	3.16	0.3%
1317016031	2022-02-05	0.21	0.21	0.0%	0.68	0.70	2.9%
1317016061	2022-02-05	0.18	0.21	15.4%	0.55	0.54	1.8%
1318077093	2022-02-05	0.16	0.15	6.5%	1.74	1.67	4.1%
1318077096	2022-02-05	0.09	0.09	0.0%	1.70	1.82	6.8%
1318077105	2022-02-05	0.12	0.12	0.0%	1.91	1.98	3.6%
1318077113	2022-02-05	0.30	0.30	0.0%	2.02	1.94	4.0%
1318077155	2022-02-05	0.95	0.96	1.0%	1.45	1.42	2.1%
1324080178	2022-02-05	1.17	1.15	1.7%	0.50	0.51	2.0%
1324080190	2022-02-05	0.74	0.73	1.4%	0.67	0.67	0.0%
1318077161	2022-02-06	0.50	0.49	2.0%	1.82	1.76	3.4%
1324080080	2022-02-06	0.49	0.50	2.0%	0.63	0.62	1.6%
1324080282	2022-02-06	0.45	0.46	2.2%	0.31	0.31	0.0%
1318077174	2022-02-07	0.88	0.85	3.5%	1.88	1.87	0.5%
1324080136	2022-02-07	0.60	0.60	0.0%	0.56	0.56	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1324080270	2022-02-07	0.58	0.58	0.0%	0.87	0.86	1.2%
1317020077	2022-02-08	0.20	0.18	10.5%	0.82	0.80	2.5%
1317020114	2022-02-08	0.12	0.14	15.4%	1.01	1.04	2.9%
1317020113	2022-02-08	0.10	0.09	10.5%	1.12	1.08	3.6%
1317020157	2022-02-08	0.10	0.10	0.0%	0.09	0.09	0.0%
1317020027	2022-02-09	0.12	0.11	8.7%	0.78	0.76	2.6%
1317020028	2022-02-09	0.21	0.20	4.9%	0.82	0.84	2.4%
1317020028	2022-02-09	0.21	0.20	4.9%	0.82	0.84	2.4%
1317020036	2022-02-09	0.19	0.20	5.1%	0.76	0.75	1.3%
1317020086	2022-02-09	0.16	0.16	0.0%	0.93	0.94	1.1%
1317020139	2022-02-09	0.18	0.17	5.7%	1.10	1.08	1.8%
1317020142	2022-02-09	0.34	0.33	3.0%	2.26	2.21	2.2%
1317019025	2022-02-09	0.36	0.35	2.8%	0.85	0.90	5.7%
1317019026	2022-02-09	0.36	0.33	8.7%	0.88	0.84	4.7%
1317019030	2022-02-09	0.24	0.23	4.3%	2.01	2.02	0.5%
1317019040	2022-02-09	0.14	0.14	0.0%	0.19	0.19	0.0%
1317019044	2022-02-09	0.27	0.27	0.0%	0.81	0.79	2.5%
1317019076	2022-02-09	0.19	0.19	0.0%	1.75	1.75	0.0%
1317019090	2022-02-09	0.08	0.08	0.0%	0.10	0.11	9.5%
1316020122	2022-02-10	0.15	0.16	6.5%	0.98	0.98	0.0%
1317019058	2022-02-10	0.19	0.20	5.1%	1.15	1.18	2.6%
1318085004	2022-02-10	0.22	0.22	0.0%	1.40	1.41	0.7%
1318085020	2022-02-10	0.22	0.22	0.0%	2.17	2.24	3.2%
1318085096	2022-02-10	0.52	0.53	1.9%	1.88	1.85	1.6%
1316005124	2022-02-11	0.16	0.16	0.0%	1.57	1.56	0.6%
1316005125	2022-02-11	0.36	0.35	2.8%	0.92	0.96	4.3%
1316005135	2022-02-11	0.24	0.23	4.3%	0.97	0.98	1.0%
1316005010	2022-02-12	0.23	0.23	0.0%	2.15	2.10	2.4%
1318085026	2022-02-12	0.21	0.21	0.0%	1.39	1.40	0.7%
1318085030	2022-02-12	0.47	0.48	2.1%	2.06	2.15	4.3%
1318085030	2022-02-12	0.47	0.48	2.1%	2.06	2.15	4.3%
1318085100	2022-02-12	0.54	0.54	0.0%	2.22	2.24	0.9%
1316011007	2022-02-12	0.19	0.20	5.1%	2.03	1.97	3.0%
1316011021	2022-02-12	0.25	0.26	3.9%	1.27	1.25	1.6%
1316011348	2022-02-13	0.19	0.19	0.0%	3.10	3.16	1.9%
1316011307	2022-02-14	0.23	0.23	0.0%	2.12	2.11	0.5%
1316011066	2022-02-15	0.15	0.16	6.5%	0.87	0.89	2.3%
1316011109	2022-02-15	0.12	0.12	0.0%	1.24	1.27	2.4%
1316011157	2022-02-15	0.18	0.17	5.7%	0.62	0.62	0.0%
1316011332	2022-02-15	0.79	0.78	1.3%	0.29	0.30	3.4%
1318078028	2022-02-17	0.43	0.43	0.0%	1.73	1.76	1.7%
1323061135	2022-02-17	0.68	0.61	10.9%	0.20	0.16	22.2%
1323061135	2022-02-17	0.68	0.61	10.9%	0.20	0.16	22.2%
1323061143	2022-02-17	0.64	0.62	3.2%	0.78	0.79	1.3%
1323061199	2022-02-17	0.56	0.61	8.5%	0.58	0.76	26.9%
1323061208	2022-02-17	0.93	0.90	3.3%	1.86	1.65	12.0%
1323061276	2022-02-17	0.95	0.94	1.1%	1.99	1.94	2.5%
1323061225	2022-02-18	0.64	0.64	0.0%	0.61	0.61	0.0%
1323061292	2022-02-18	0.66	0.61	7.9%	0.72	0.69	4.3%
1323061294	2022-02-18	0.47	0.46	2.2%	0.93	0.91	2.2%
1323061082	2022-02-19	0.66	0.64	3.1%	0.63	0.63	0.0%
1323061151	2022-02-19	0.53	0.53	0.0%	0.76	0.76	0.0%
1323061270	2022-02-19	0.90	0.91	1.1%	2.23	2.23	0.0%
1323061188	2022-02-20	0.53	0.55	3.7%	0.76	0.76	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1323061226	2022-02-20	0.51	0.52	1.9%	0.51	0.51	0.0%
1323061307	2022-02-20	0.49	0.49	0.0%	1.13	1.12	0.9%
1323061009	2022-02-22	0.68	0.68	0.0%	0.55	0.56	1.8%
1323061015	2022-02-22	0.66	0.67	1.5%	0.25	0.26	3.9%
1323061015	2022-02-22	0.66	0.67	1.5%	0.25	0.26	3.9%
1323061037	2022-02-22	0.60	0.60	0.0%	0.41	0.39	5.0%
1323061044	2022-02-22	0.56	0.56	0.0%	0.29	0.27	7.1%
1323061055	2022-02-22	0.76	0.73	4.0%	0.12	0.11	8.7%
1323061064	2022-02-22	0.37	0.37	0.0%	3.46	3.43	0.9%
1323061066	2022-02-22	0.61	0.63	3.2%	0.30	0.31	3.3%
1323061125	2022-02-22	0.64	0.64	0.0%	0.29	0.28	3.5%
1323061242	2022-02-22	0.66	0.66	0.0%	1.33	1.32	0.8%
1324078020	2022-02-23	0.38	0.41	7.6%	0.72	0.75	4.1%
1324078032	2022-02-23	0.28	0.27	3.6%	0.08	0.09	11.8%
1324078061	2022-02-23	0.47	0.49	4.2%	0.75	0.79	5.2%
1324078082	2022-02-23	0.36	0.35	2.8%	0.36	0.37	2.7%
1324078152	2022-02-23	0.61	0.61	0.0%	0.28	0.28	0.0%
1324078186	2022-02-23	0.34	0.34	0.0%	0.36	0.37	2.7%
1324078234	2022-02-23	0.32	0.33	3.1%	0.14	0.14	0.0%
1324078264	2022-02-23	0.48	0.48	0.0%	0.83	0.81	2.4%
1432007005	2022-02-23	1.50	1.49	0.7%	1.07	1.15	7.2%
1432007020	2022-02-23	0.89	0.88	1.1%	1.87	1.94	3.7%
1432007046	2022-02-23	0.84	0.83	1.2%	1.71	1.71	0.0%
1432007051	2022-02-23	0.64	0.65	1.6%	1.20	1.22	1.7%
1432007064	2022-02-23	0.72	0.73	1.4%	1.84	1.83	0.5%
1432007215	2022-02-23	0.72	0.73	1.4%	0.87	0.83	4.7%
1432007107	2022-02-24	0.64	0.65	1.6%	1.26	1.28	1.6%
1432007128	2022-02-24	0.85	0.86	1.2%	0.83	0.83	0.0%
1432007138	2022-02-24	0.87	0.87	0.0%	0.69	0.68	1.5%
1432007164	2022-02-24	0.93	0.93	0.0%	1.85	1.92	3.7%
1432007201	2022-02-24	0.58	0.59	1.7%	1.41	1.44	2.1%
1432007282	2022-02-24	0.75	0.75	0.0%	0.93	0.94	1.1%
1324078118	2022-02-24	0.90	0.90	0.0%	0.21	0.21	0.0%
1324078140	2022-02-24	0.84	0.83	1.2%	0.07	0.07	0.0%
1324078154	2022-02-24	0.58	0.62	6.7%	0.19	0.17	11.1%
1324078182	2022-02-24	0.41	0.41	0.0%	0.53	0.52	1.9%
1432007284	2022-02-25	0.75	0.77	2.6%	1.01	1.04	2.9%
1432007306	2022-02-25	0.68	0.69	1.5%	1.38	1.38	0.0%
1432007406	2022-02-25	0.65	0.66	1.5%	0.68	0.72	5.7%
1316012083	2022-02-25	0.24	0.23	4.3%	1.38	1.35	2.2%
1316012187	2022-02-26	0.41	0.42	2.4%	0.89	0.89	0.0%
1324077010	2022-02-26	0.65	0.65	0.0%	0.52	0.55	5.6%
1324077028	2022-02-26	1.03	1.04	1.0%	0.86	0.86	0.0%
1324077028	2022-02-26	1.03	1.04	1.0%	0.86	0.86	0.0%
1324077038	2022-02-26	1.15	1.15	0.0%	0.88	0.89	1.1%
1324077052	2022-02-26	0.74	0.73	1.4%	0.97	0.99	2.0%
1324077128	2022-02-26	0.66	0.65	1.5%	0.82	0.83	1.2%
1324077106	2022-02-27	0.75	0.75	0.0%	0.47	0.52	10.1%
1324077120	2022-02-27	0.46	0.45	2.2%	0.97	0.95	2.1%
1316012331	2022-02-27	0.29	0.29	0.0%	1.36	1.38	1.5%
1316012135	2022-02-28	0.14	0.14	0.0%	2.48	2.51	1.2%
1316012234	2022-02-28	0.17	0.18	5.7%	2.65	2.61	1.5%
1316012274	2022-02-28	0.19	0.19	0.0%	2.57	2.58	0.4%
1316012296	2022-02-28	0.15	0.15	0.0%	2.44	2.47	1.2%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1316005170	2022-02-28	0.18	0.18	0.0%	3.64	3.63	0.3%
1316012234	2022-03-01	0.18	0.17	5.7%	0.64	0.66	3.1%
1324077028	2022-03-01	1.04	1.03	1.0%	2.95	2.66	10.3%
1324077028	2022-03-01	1.04	1.03	1.0%	3.04	3.04	0.0%
1324077038	2022-03-01	1.15	1.15	0.0%	2.75	2.65	3.7%
1316005010	2022-03-01	0.23	0.23	0.0%	1.76	1.61	8.9%
1316005081	2022-03-01	0.20	0.21	4.9%	3.63	3.64	0.3%
1316005170	2022-03-01	0.18	0.18	0.0%	0.10	0.09	10.5%
1316012135	2022-03-01	0.14	0.14	0.0%	1.63	1.69	3.6%
1316012274	2022-03-01	0.19	0.19	0.0%	1.05	1.06	0.9%
1316005025	2022-03-07	0.85	0.85	0.0%	10.00	9.97	0.3%
1316005052	2022-03-07	2.37	2.46	3.7%	5.27	5.29	0.4%
1316005086	2022-03-07	0.29	0.28	3.5%	2.26	2.28	0.9%
1316005093	2022-03-07	0.47	0.47	0.0%	1.87	1.82	2.7%
1316006102	2022-03-07	0.28	0.28	0.0%	2.10	2.11	0.5%
1316006199	2022-03-07	0.22	0.22	0.0%	2.02	2.06	2.0%
1323062091	2022-03-07	0.52	0.53	1.9%	0.14	0.12	15.4%
1323062086	2022-03-08	0.68	0.68	0.0%	2.05	2.02	1.5%
1323062150	2022-03-08	0.20	0.20	0.0%	0.40	0.39	2.5%
1323062164	2022-03-08	0.49	0.48	2.1%	0.86	0.91	5.6%
1323062007	2022-03-08	0.83	0.84	1.2%	1.33	1.32	0.8%
1323062023	2022-03-08	0.73	0.74	1.4%	0.80	0.80	0.0%
1323062029	2022-03-08	0.82	0.83	1.2%	0.54	0.54	0.0%
1323062072	2022-03-08	0.35	0.34	2.9%	0.51	0.51	0.0%
1323062079	2022-03-08	0.59	0.58	1.7%	0.62	0.62	0.0%
1323062110	2022-03-08	0.42	0.42	0.0%	0.29	0.29	0.0%
1323062122	2022-03-08	0.60	0.60	0.0%	0.08	0.08	0.0%
1316006017	2022-03-08	0.31	0.31	0.0%	0.20	0.20	0.0%
1316006033	2022-03-08	0.22	0.24	8.7%	2.45	2.64	7.5%
1316006041	2022-03-08	0.14	0.14	0.0%	2.46	2.47	0.4%
1316006083	2022-03-08	0.15	0.15	0.0%	1.48	1.47	0.7%
1316006113	2022-03-08	0.10	0.10	0.0%	2.66	2.71	1.9%
1316006139	2022-03-08	0.30	0.29	3.4%	1.95	1.92	1.6%
1316006160	2022-03-08	0.20	0.20	0.0%	1.97	1.89	4.1%
1316006165	2022-03-08	0.29	0.29	0.0%	3.40	3.43	0.9%
1318086004	2022-03-08	0.49	0.49	0.0%	1.76	1.77	0.6%
1318086012	2022-03-08	0.33	0.32	3.1%	2.01	1.94	3.5%
1318086043	2022-03-08	0.76	0.77	1.3%	2.12	2.09	1.4%
1318086050	2022-03-08	0.42	0.43	2.4%	1.95	1.92	1.6%
1318086085	2022-03-08	0.45	0.45	0.0%	1.91	1.92	0.5%
1318086113	2022-03-08	0.49	0.49	0.0%	1.96	1.92	2.1%
1323062208	2022-03-08	0.84	0.84	0.0%	0.17	0.17	0.0%
1323062282	2022-03-08	0.45	0.45	0.0%	0.41	0.41	0.0%
1323067028	2022-03-08	0.63	0.63	0.0%	0.65	0.65	0.0%
1323067032	2022-03-08	0.92	0.98	6.3%	6.28	6.58	4.7%
1323066178	2022-03-09	0.45	0.44	2.2%	1.11	1.05	5.6%
1323062238	2022-03-09	0.43	0.44	2.3%	0.50	0.51	2.0%
1323066164	2022-03-10	0.73	0.74	1.4%	1.26	1.27	0.8%
1323066102	2022-03-10	1.00	1.01	1.0%	0.62	0.61	1.6%
1323066108	2022-03-10	0.54	0.54	0.0%	0.10	0.10	0.0%
1316010048	2022-03-11	0.17	0.18	5.7%	2.47	2.44	1.2%
1316010049	2022-03-11	0.14	0.14	0.0%	0.75	0.75	0.0%
1323066132	2022-03-11	0.73	0.73	0.0%	1.34	1.41	5.1%
1323066232	2022-03-11	0.82	0.81	1.2%	0.21	0.22	4.7%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1315003202	2022-03-12	0.07	0.07	0.0%	1.05	1.12	6.5%
1323066022	2022-03-12	1.19	1.15	3.4%	0.28	0.32	13.3%
1323066086	2022-03-12	0.87	0.87	0.0%	1.48	1.49	0.7%
1315003174	2022-03-12	0.17	0.17	0.0%	0.39	0.40	2.5%
1316013078	2022-03-13	0.16	0.16	0.0%	1.04	1.06	1.9%
1316013095	2022-03-13	0.21	0.20	4.9%	1.51	1.48	2.0%
1432010099	2022-03-13	0.68	0.68	0.0%	3.57	3.49	2.3%
1432010104	2022-03-13	0.61	0.61	0.0%	2.70	2.62	3.0%
1432008010	2022-03-13	1.29	1.29	0.0%	1.69	1.71	1.2%
1432008094	2022-03-13	1.23	1.24	0.8%	5.13	5.07	1.2%
1315003249	2022-03-14	0.24	0.25	4.1%	0.73	0.74	1.4%
1316013045	2022-03-14	0.12	0.12	0.0%	1.09	1.09	0.0%
1316013086	2022-03-14	0.17	0.17	0.0%	0.49	0.49	0.0%
1432008016	2022-03-14	2.55	2.62	2.7%	0.81	0.82	1.2%
1315003262	2022-03-14	0.14	0.14	0.0%	0.31	0.30	3.3%
1316013070	2022-03-14	0.12	0.12	0.0%	0.96	1.00	4.1%
1316013074	2022-03-14	0.16	0.16	0.0%	2.61	2.65	1.5%
1316013025	2022-03-15	0.19	0.20	5.1%	0.93	0.96	3.2%
1322043275	2022-03-15	0.23	0.24	4.3%	2.31	2.27	1.7%
1322043335	2022-03-15	0.50	0.47	6.2%	0.59	0.58	1.7%
1322043351	2022-03-15	0.59	0.62	5.0%	0.42	0.44	4.7%
1315003204	2022-03-15	0.13	0.12	8.0%	1.44	1.42	1.4%
1322043147	2022-03-15	0.51	0.52	1.9%	2.13	2.12	0.5%
1322043155	2022-03-15	0.75	0.76	1.3%	1.92	1.90	1.0%
1322043160	2022-03-16	0.56	0.56	0.0%	0.69	0.72	4.3%
1322043144	2022-03-16	0.66	0.67	1.5%	2.12	2.07	2.4%
1315003006	2022-03-17	0.14	0.14	0.0%	3.41	3.42	0.3%
1322043102	2022-03-17	0.37	0.37	0.0%	0.63	0.63	0.0%
1322043169	2022-03-17	0.41	0.41	0.0%	0.64	0.59	8.1%
1315003011	2022-03-18	0.29	0.28	3.5%	1.31	1.34	2.3%
1322043303	2022-03-18	0.44	0.43	2.3%	1.05	1.14	8.2%
1322043140	2022-03-18	0.43	0.43	0.0%	1.85	1.82	1.6%
1322043307	2022-03-18	0.56	0.56	0.0%	0.21	0.20	4.9%
1316014113	2022-03-19	0.40	0.39	2.5%	0.24	0.23	4.3%
1322043176	2022-03-19	0.55	0.53	3.7%	1.75	1.79	2.3%
1322043239	2022-03-19	0.27	0.27	0.0%	1.54	1.56	1.3%
1322043242	2022-03-19	0.44	0.43	2.3%	1.32	1.28	3.1%
1322043264	2022-03-19	0.45	0.46	2.2%	1.25	1.33	6.2%
1316014048	2022-03-19	0.26	0.25	3.9%	1.69	1.62	4.2%
1316014097	2022-03-19	0.20	0.20	0.0%	1.93	1.95	1.0%
1322043086	2022-03-19	0.39	0.39	0.0%	1.96	2.07	5.5%
1322043113	2022-03-19	0.44	0.44	0.0%	1.14	1.13	0.9%
1322043177	2022-03-19	0.54	0.54	0.0%	0.95	0.94	1.1%
1316014017	2022-03-20	0.26	0.28	7.4%	2.78	2.76	0.7%
1316014038	2022-03-20	0.49	0.49	0.0%	1.29	1.32	2.3%
1316014040	2022-03-20	0.27	0.28	3.6%	0.89	0.93	4.4%
1316014050	2022-03-20	0.29	0.28	3.5%	1.72	1.71	0.6%
1316014069	2022-03-20	0.17	0.16	6.1%	0.37	0.37	0.0%
1322043011	2022-03-20	1.13	1.13	0.0%	0.27	0.26	3.8%
1322043060	2022-03-20	0.62	0.64	3.2%	1.87	1.96	4.7%
1322043315	2022-03-20	0.38	0.37	2.7%	1.44	1.37	5.0%
1315003417	2022-03-20	0.60	0.60	0.0%	2.42	2.43	0.4%
1322043029	2022-03-20	0.56	0.57	1.8%	1.13	1.15	1.8%
1322043191	2022-03-20	0.41	0.41	0.0%	1.31	1.39	5.9%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1316014030	2022-03-21	0.17	0.16	6.1%	1.44	1.41	2.1%
1322043035	2022-03-21	0.52	0.52	0.0%	1.92	1.91	0.5%
1315002197	2022-03-21	0.16	0.16	0.0%	1.10	1.11	0.9%
1315002197	2022-03-21	0.16	0.16	0.0%	1.10	1.11	0.9%
1322043075	2022-03-21	0.93	0.92	1.1%	0.11	0.11	0.0%
1315002114	2022-03-22	0.19	0.19	0.0%	1.47	1.48	0.7%
1315002114	2022-03-22	0.19	0.19	0.0%	1.47	1.48	0.7%
1315002116	2022-03-22	0.33	0.31	6.3%	1.43	1.47	2.8%
1315002116	2022-03-22	0.33	0.31	6.3%	1.43	1.47	2.8%
1315002234	2022-03-22	0.21	0.21	0.0%	1.88	1.87	0.5%
1315002234	2022-03-22	0.21	0.21	0.0%	1.88	1.87	0.5%
1432008154	2022-03-22	1.15	1.16	0.9%	3.27	3.26	0.3%
1315002059	2022-03-23	0.71	0.73	2.8%	2.15	2.09	2.8%
1315002059	2022-03-23	0.71	0.73	2.8%	2.15	2.09	2.8%
1315002186	2022-03-23	0.25	0.22	12.8%	0.57	0.59	3.4%
1315004155	2022-03-23	0.21	0.21	0.0%	1.78	1.72	3.4%
1432008059	2022-03-23	1.55	1.54	0.6%	1.46	1.45	0.7%
1432008108	2022-03-23	1.18	1.19	0.8%	1.92	2.02	5.1%
1315004502	2022-03-24	0.16	0.16	0.0%	2.37	2.39	0.8%
1432008049	2022-03-24	1.61	1.61	0.0%	0.70	0.77	9.5%
1324076106	2022-03-24	0.66	0.66	0.0%	2.37	2.33	1.7%
1432008046	2022-03-24	1.02	0.99	3.0%	1.15	1.19	3.4%
1432008226	2022-03-24	0.17	0.16	6.1%	0.90	0.86	4.5%
1432008309	2022-03-24	0.60	0.63	4.9%	1.00	1.00	0.0%
1324076132	2022-03-24	0.65	0.64	1.6%	4.41	4.44	0.7%
1432009524	2022-03-24	1.21	1.21	0.0%	1.30	1.23	5.5%
1432008121	2022-03-25	0.67	0.67	0.0%	3.59	3.54	1.4%
1315007123	2022-03-26	0.12	0.12	0.0%	1.79	1.74	2.8%
1315007154	2022-03-26	0.04	0.04	0.0%	2.19	2.18	0.5%
1324076030	2022-03-26	1.03	1.03	0.0%	5.83	5.32	9.1%
1324076042	2022-03-26	0.46	0.45	2.2%	3.17	3.42	7.6%
1315002044	2022-03-26	0.11	0.10	9.5%	1.62	1.58	2.5%
1315002044	2022-03-26	0.11	0.10	9.5%	1.62	1.58	2.5%
1315007039	2022-03-26	0.15	0.14	6.9%	0.88	0.90	2.2%
1315006038	2022-03-27	0.09	0.09	0.0%	2.14	2.23	4.1%
1315002078	2022-03-27	0.25	0.25	0.0%	1.83	1.86	1.6%
1315002080	2022-03-27	0.50	0.51	2.0%	6.90	6.84	0.9%
1315002096	2022-03-27	0.12	0.12	0.0%	0.79	0.79	0.0%
1432011116	2022-03-27	0.78	0.79	1.3%	1.14	1.12	1.8%
1432011148	2022-03-27	1.09	1.08	0.9%	1.28	1.28	0.0%
1432012003	2022-03-27	0.47	0.46	2.2%	8.06	7.98	1.0%
1432012035	2022-03-27	0.82	0.82	0.0%	1.80	1.85	2.7%
1432012058	2022-03-27	0.25	0.25	0.0%	1.81	1.76	2.8%
1432012068	2022-03-27	0.87	0.86	1.2%	3.79	3.77	0.5%
1432012095	2022-03-27	1.84	1.84	0.0%	1.57	1.59	1.3%
1315002126	2022-03-28	0.15	0.15	0.0%	0.88	0.83	5.8%
1315002126	2022-03-28	0.15	0.15	0.0%	0.88	0.83	5.8%
1432011066	2022-03-28	1.36	1.34	1.5%	2.28	2.22	2.7%
1432011115	2022-03-28	0.87	0.87	0.0%	3.60	3.60	0.0%
1315002153	2022-03-28	0.46	0.46	0.0%	0.64	0.62	3.2%
1432011105	2022-03-28	0.65	0.64	1.6%	3.14	3.12	0.6%
1315002249	2022-03-29	0.19	0.18	5.4%	2.00	1.94	3.0%
1432011044	2022-03-29	1.16	1.17	0.9%	1.64	1.71	4.2%
1432011150	2022-03-29	1.72	1.70	1.2%	1.34	1.41	5.1%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1316015102	2022-03-29	0.16	0.15	6.5%	2.37	2.42	2.1%
1432011003	2022-03-29	0.81	0.80	1.2%	1.59	1.66	4.3%
1315002051	2022-03-30	0.07	0.07	0.0%	5.16	5.26	1.9%
1315002051	2022-03-30	0.07	0.07	0.0%	5.16	5.26	1.9%
1316015021	2022-03-30	0.18	0.18	0.0%	1.78	1.81	1.7%
1316015053	2022-03-30	0.03	0.03	0.0%	1.03	1.04	1.0%
1316015095	2022-03-30	0.40	0.40	0.0%	2.51	2.48	1.2%
1432011097	2022-03-30	1.51	1.53	1.3%	2.53	2.68	5.8%
1432011159	2022-03-30	1.88	1.86	1.1%	3.55	3.61	1.7%
1432011184	2022-03-30	2.28	2.29	0.4%	5.18	5.21	0.6%
1432011196	2022-03-30	2.03	2.07	2.0%	4.13	4.11	0.5%
1432015201	2022-03-30	0.94	0.94	0.0%	3.20	3.37	5.2%
1432015232	2022-03-30	1.05	1.05	0.0%	0.83	0.83	0.0%
1316015076	2022-03-30	0.20	0.21	4.9%	1.28	1.28	0.0%
1432015211	2022-03-30	0.39	0.39	0.0%	6.24	6.30	1.0%
1315002209	2022-03-31	0.50	0.51	2.0%	1.24	1.23	0.8%
1316008007	2022-03-31	0.18	0.19	5.4%	0.80	0.80	0.0%
1316008029	2022-03-31	0.20	0.20	0.0%	2.64	2.63	0.4%
1316008034	2022-03-31	0.16	0.16	0.0%	1.34	1.33	0.7%
1316008057	2022-03-31	0.16	0.16	0.0%	2.28	2.35	3.0%
1316008065	2022-03-31	0.17	0.16	6.1%	1.44	1.47	2.1%
1316008089	2022-03-31	0.09	0.08	11.8%	2.58	2.57	0.4%
1316015036	2022-03-31	0.17	0.17	0.0%	0.27	0.28	3.6%
1315002142	2022-04-01	0.47	0.47	0.0%	0.97	0.92	5.3%
1315006021	2022-04-01	0.54	0.56	3.6%	1.14	1.09	4.5%
1323063227	2022-04-02	0.26	0.25	3.9%	0.32	0.31	3.2%
1323063238	2022-04-02	0.74	0.78	5.3%	1.52	1.49	2.0%
1323063251	2022-04-02	0.32	0.34	6.1%	0.61	0.61	0.0%
1323063254	2022-04-02	0.28	0.28	0.0%	0.76	0.76	0.0%
1323063211	2022-04-02	0.42	0.43	2.4%	1.19	1.19	0.0%
1323063145	2022-04-03	0.67	0.67	0.0%	0.79	0.80	1.3%
1323063202	2022-04-03	0.57	0.58	1.7%	0.45	0.43	4.5%
1323063260	2022-04-03	0.54	0.54	0.0%	0.69	0.73	5.6%
1323063062	2022-04-03	0.63	0.64	1.6%	0.30	0.29	3.4%
1323063164	2022-04-03	0.54	0.52	3.8%	0.15	0.16	6.5%
1323063057	2022-04-04	0.39	0.40	2.5%	1.06	1.02	3.8%
1323063156	2022-04-04	0.44	0.44	0.0%	0.14	0.14	0.0%
1323063021	2022-04-04	0.59	0.55	7.0%	1.26	1.27	0.8%
1323063080	2022-04-04	0.34	0.36	5.7%	0.39	0.39	0.0%
1323063171	2022-04-04	0.67	0.65	3.0%	0.97	1.03	6.0%
1432013028	2022-04-04	0.73	0.73	0.0%	2.66	2.73	2.6%
1432013029	2022-04-04	1.05	1.02	2.9%	7.72	7.67	0.6%
1432013069	2022-04-04	1.22	1.25	2.4%	2.10	2.20	4.7%
1432013131	2022-04-04	1.70	1.72	1.2%	2.31	2.30	0.4%
1315096021	2022-04-04	0.54	0.56	3.6%	1.73	1.81	4.5%
1315096021	2022-04-04	0.54	0.56	3.6%	1.73	1.81	4.5%
1432012031	2022-04-05	0.68	0.69	1.5%	5.86	6.08	3.7%
1432013072	2022-04-05	1.11	1.12	0.9%	1.11	1.18	6.1%
1432013075	2022-04-05	1.17	1.15	1.7%	5.93	6.06	2.2%
1432013096	2022-04-05	1.57	1.58	0.6%	1.07	1.08	0.9%
1432013097	2022-04-05	1.70	1.74	2.3%	1.33	1.36	2.2%
1323063177	2022-04-05	0.42	0.42	0.0%	0.32	0.26	20.7%
1323063182	2022-04-05	0.48	0.50	4.1%	0.43	0.47	8.9%
1323063187	2022-04-05	0.86	0.88	2.3%	1.10	1.10	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1323063187	2022-04-05	0.86	0.58	38.9%	0.14	0.72	134.9%
1323063188	2022-04-05	0.97	0.97	0.0%	0.41	0.42	2.4%
1432013118	2022-04-05	1.75	1.72	1.7%	1.14	1.16	1.7%
1432013154	2022-04-05	1.77	1.78	0.6%	4.07	4.10	0.7%
1432013164	2022-04-05	1.23	1.20	2.5%	3.67	3.72	1.4%
1432014180	2022-04-05	0.84	0.83	1.2%	3.51	3.39	3.5%
1323063013	2022-04-06	0.44	0.44	0.0%	0.68	0.68	0.0%
1432014071	2022-04-06	1.58	1.62	2.5%	2.10	2.10	0.0%
1432014129	2022-04-06	1.20	1.22	1.7%	2.07	2.06	0.5%
1315096044	2022-04-06	0.58	0.56	3.5%	1.94	2.01	3.5%
1315096078	2022-04-06	0.68	0.66	3.0%	2.10	2.15	2.4%
1315096078	2022-04-06	0.68	0.66	3.0%	2.10	2.15	2.4%
1432014036	2022-04-06	1.88	1.88	0.0%	0.08	0.09	11.8%
1432014036	2022-04-06	1.88	1.84	2.2%	2.23	2.25	0.9%
1315096075	2022-04-07	0.27	0.26	3.8%	2.41	2.38	1.3%
1432013149	2022-04-07	2.10	2.11	0.5%	1.29	1.32	2.3%
1432014161	2022-04-07	1.43	1.49	4.1%	2.54	2.81	10.1%
1315096067	2022-04-07	0.21	0.22	4.7%	1.65	1.55	6.2%
1315096125	2022-04-07	0.22	0.22	0.0%	7.85	8.03	2.3%
1432014109	2022-04-07	1.77	1.80	1.7%	3.61	3.79	4.9%
1315096006	2022-04-08	0.25	0.25	0.0%	0.35	0.35	0.0%
1316007015	2022-04-08	0.40	0.40	0.0%	2.51	2.58	2.8%
1316007034	2022-04-08	0.41	0.39	5.0%	2.27	2.29	0.9%
1316007065	2022-04-08	0.33	0.31	6.3%	1.16	1.15	0.9%
1316007079	2022-04-08	0.31	0.32	3.2%	1.83	1.82	0.5%
1316007044	2022-04-08	0.38	0.38	0.0%	0.72	0.72	0.0%
1316007047	2022-04-08	0.36	0.36	0.0%	0.79	0.79	0.0%
1323064005	2022-04-08	0.71	0.71	0.0%	0.54	0.55	1.8%
1323064055	2022-04-08	0.44	0.43	2.3%	0.39	0.39	0.0%
1315009160	2022-04-09	0.18	0.18	0.0%	3.46	3.53	2.0%
1323064032	2022-04-09	0.72	0.74	2.7%	0.17	0.18	5.7%
1323064082	2022-04-09	0.74	0.72	2.7%	0.82	0.81	1.2%
1315009681	2022-04-09	0.20	0.20	0.0%	1.04	1.02	1.9%
1323064021	2022-04-09	0.92	0.92	0.0%	0.83	0.87	4.7%
1323064030	2022-04-09	0.75	0.75	0.0%	1.26	1.28	1.6%
1323064038	2022-04-10	0.55	0.54	1.8%	0.89	0.86	3.4%
1315009702	2022-04-11	0.16	0.15	6.5%	0.79	0.77	2.6%
1322045002	2022-04-11	0.95	0.94	1.1%	0.90	0.90	0.0%
1322045044	2022-04-11	0.83	0.82	1.2%	0.70	0.70	0.0%
1322045074	2022-04-11	0.17	0.17	0.0%	0.36	0.38	5.4%
1315009543	2022-04-11	0.29	0.29	0.0%	1.50	1.49	0.7%
1315009718	2022-04-11	0.16	0.16	0.0%	0.85	0.85	0.0%
1322045036	2022-04-11	0.42	0.42	0.0%	0.52	0.51	1.9%
1322045014	2022-04-12	0.82	0.83	1.2%	1.62	1.63	0.6%
1322045023	2022-04-12	0.40	0.40	0.0%	1.54	1.54	0.0%
1322045056	2022-04-12	0.71	0.70	1.4%	0.61	0.61	0.0%
1315009571	2022-04-12	0.30	0.31	3.3%	0.23	0.24	4.3%
1315009631	2022-04-12	0.16	0.16	0.0%	1.04	1.03	1.0%
1315009696	2022-04-12	0.22	0.22	0.0%	1.04	1.01	2.9%
1322045139	2022-04-12	0.79	0.79	0.0%	1.92	1.93	0.5%
1315009569	2022-04-13	0.16	0.16	0.0%	1.89	1.82	3.8%
1315009754	2022-04-13	0.13	0.12	8.0%	1.31	1.34	2.3%
1322044246	2022-04-13	0.39	0.39	0.0%	0.11	0.10	9.5%
1322045059	2022-04-13	0.49	0.50	2.0%	1.18	1.19	0.8%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1322045135	2022-04-13	0.65	0.65	0.0%	1.14	1.15	0.9%
1315009651	2022-04-14	0.22	0.22	0.0%	1.09	1.09	0.0%
1322044142	2022-04-14	1.00	1.05	4.9%	1.41	1.46	3.5%
1322044174	2022-04-14	0.61	0.62	1.6%	0.72	0.67	7.2%
1322044251	2022-04-14	0.65	0.66	1.5%	0.66	0.67	1.5%
1322044282	2022-04-14	0.44	0.43	2.3%	0.87	0.88	1.1%
1322044148	2022-04-14	0.37	0.38	2.7%	1.52	1.55	2.0%
1322044046	2022-04-15	0.32	0.32	0.0%	0.57	0.57	0.0%
1322044253	2022-04-15	0.61	0.65	6.3%	0.40	0.40	0.0%
1322044265	2022-04-15	0.49	0.50	2.0%	0.89	0.96	7.6%
1323063003	2022-04-15	0.72	0.70	2.8%	1.71	1.75	2.3%
1322044123	2022-04-15	0.64	0.64	0.0%	0.83	0.85	2.4%
1322044151	2022-04-15	0.60	0.59	1.7%	0.86	0.86	0.0%
1322044213	2022-04-15	0.44	0.44	0.0%	2.94	2.80	4.9%
1322044240	2022-04-15	0.61	0.60	1.7%	1.54	1.56	1.3%
1322044264	2022-04-15	0.28	0.28	0.0%	0.67	0.63	6.2%
1322044122	2022-04-16	0.37	0.40	7.8%	0.24	0.24	0.0%
1322044179	2022-04-16	0.46	0.44	4.4%	0.46	0.45	2.2%
1322044185	2022-04-16	0.36	0.36	0.0%	1.16	1.22	5.0%
1315005111	2022-04-16	0.17	0.17	0.0%	2.55	2.45	4.0%
1315005118	2022-04-16	0.19	0.19	0.0%	1.05	1.10	4.7%
1315005068	2022-04-17	1.24	1.24	0.0%	1.54	1.55	0.6%
1315005108	2022-04-17	0.27	0.26	3.8%	1.50	1.45	3.4%
1431001160	2022-04-17	2.35	2.28	3.0%	1.12	1.08	3.6%
1315005009	2022-04-17	0.21	0.21	0.0%	2.70	2.76	2.2%
1315005029	2022-04-17	0.86	0.86	0.0%	2.13	2.01	5.8%
1315005037	2022-04-17	0.17	0.17	0.0%	3.48	3.56	2.3%
1315005043	2022-04-17	0.17	0.17	0.0%	1.24	1.31	5.5%
1315005048	2022-04-17	0.28	0.30	6.9%	8.35	8.36	0.1%
1315005083	2022-04-18	0.27	0.28	3.6%	1.05	1.02	2.9%
1315008004	2022-04-18	0.23	0.23	0.0%	0.13	0.13	0.0%
1315008089	2022-04-18	0.36	0.36	0.0%	2.12	2.23	5.1%
1315008019	2022-04-18	0.36	0.37	2.7%	1.28	1.30	1.6%
1315008029	2022-04-18	0.23	0.23	0.0%	1.41	1.43	1.4%
1315008080	2022-04-18	0.20	0.20	0.0%	0.42	0.42	0.0%
1431001227	2022-04-18	2.33	2.34	0.4%	1.12	1.23	9.4%
1315008020	2022-04-19	0.19	0.18	5.4%	0.75	0.74	1.3%
1431001223	2022-04-19	2.36	2.35	0.4%	2.18	2.15	1.4%
1431001173	2022-04-19	1.49	1.38	7.7%	1.70	1.93	12.7%
1431001173	2022-04-19	1.49	1.45	2.7%	2.09	2.14	2.4%
1322044089	2022-04-20	0.28	0.26	7.4%	0.56	0.54	3.6%
1322044029	2022-04-20	0.47	0.44	6.6%	0.04	0.05	22.2%
1322044034	2022-04-20	0.53	0.55	3.7%	0.39	0.40	2.5%
1431001245	2022-04-20	1.31	1.30	0.8%	1.81	1.88	3.8%
1315009010	2022-04-21	0.24	0.24	0.0%	2.46	2.40	2.5%
1315010079	2022-04-21	0.15	0.15	0.0%	1.19	1.21	1.7%
1315010146	2022-04-21	0.21	0.20	4.9%	1.21	1.15	5.1%
1315010085	2022-04-22	0.21	0.21	0.0%	3.21	3.07	4.5%
1315010140	2022-04-22	0.13	0.13	0.0%	1.08	1.04	3.8%
1315010140	2022-04-22	0.13	0.13	0.0%	1.03	0.97	6.0%
1315010163	2022-04-22	0.16	0.16	0.0%	0.15	0.14	6.9%
1315010076	2022-04-22	0.15	0.16	6.5%	2.38	2.34	1.7%
1315010093	2022-04-22	0.14	0.15	6.9%	1.79	1.83	2.2%
1315010137	2022-04-22	0.16	0.16	0.0%	2.11	2.03	3.9%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1321034064	2022-04-22	0.54	0.53	1.9%	1.34	1.37	2.2%
1315010007	2022-04-23	0.19	0.19	0.0%	1.26	1.36	7.6%
1322046104	2022-04-23	0.53	0.54	1.9%	0.21	0.20	4.9%
1315010014	2022-04-24	0.18	0.18	0.0%	0.94	0.96	2.1%
1321034001	2022-04-24	0.86	0.86	0.0%	1.58	1.60	1.3%
1321034072	2022-04-24	0.48	0.47	2.1%	1.32	1.33	0.8%
1322046046	2022-04-25	0.67	0.66	1.5%	0.07	0.07	0.0%
1322046053	2022-04-25	0.57	0.60	5.1%	0.09	0.09	0.0%
1322046066	2022-04-25	0.74	0.75	1.3%	0.13	0.15	14.3%
1322046078	2022-04-25	0.70	0.69	1.4%	1.00	1.10	9.5%
1322046078	2022-04-25	0.70	0.70	0.0%	0.15	0.15	0.0%
1322046097	2022-04-25	0.62	0.63	1.6%	5.45	5.09	6.8%
1322046097	2022-04-25	0.62	0.62	0.0%	0.10	0.10	0.0%
1322046098	2022-04-25	0.75	0.74	1.3%	0.25	0.26	3.9%
1322046033	2022-04-26	0.50	0.57	13.1%	0.65	0.68	4.5%
1322046034	2022-04-26	0.42	0.42	0.0%	1.98	1.97	0.5%
1321094017	2022-04-26	0.79	0.81	2.5%	0.55	0.55	0.0%
1322046012	2022-04-26	0.48	0.47	2.1%	0.88	0.90	2.2%
1321094008	2022-04-27	0.63	0.65	3.1%	0.39	0.40	2.5%
1321094019	2022-04-27	0.55	0.55	0.0%	0.11	0.10	9.5%
1322046017	2022-04-27	1.08	1.10	1.8%	0.14	0.13	7.4%
1431001253	2022-04-28	1.55	1.57	1.3%	0.10	0.12	18.2%
1431001286	2022-04-28	1.95	1.96	0.5%	0.44	0.44	0.0%
1432087032	2022-04-29	0.52	0.51	1.9%	1.91	1.90	0.5%
1431001255	2022-04-29	1.65	1.58	4.3%	2.77	2.80	1.1%
1432087022	2022-04-29	0.67	0.66	1.5%	2.62	2.64	0.8%
1431001430	2022-04-30	1.74	1.75	0.6%	0.36	0.37	2.7%
1431001440	2022-04-30	2.68	1.89	34.6%	2.82	1.69	50.1%
1431001440	2022-04-30	2.68	2.68	0.0%	4.34	4.33	0.2%
1431001443	2022-04-30	1.67	1.65	1.2%	1.66	1.65	0.6%
1431001509	2022-04-30	1.43	1.45	1.4%	2.66	2.64	0.8%
1431001515	2022-04-30	1.66	1.64	1.2%	4.99	4.97	0.4%
1431001184	2022-04-30	2.32	2.27	2.2%	2.55	2.66	4.2%
1431001265	2022-04-30	2.04	2.06	1.0%	0.64	0.68	6.1%
1431001282	2022-04-30	1.99	2.00	0.5%	0.54	0.53	1.9%
1431001461	2022-04-30	1.55	1.57	1.3%	3.56	3.52	1.1%
1431001499	2022-04-30	2.26	2.27	0.4%	1.93	1.99	3.1%
1431001527	2022-04-30	1.62	1.61	0.6%	0.77	0.81	5.1%
1431001606	2022-04-30	0.87	0.95	8.8%	4.41	4.33	1.8%
1323065023	2022-05-01	0.96	0.98	2.1%	0.26	0.29	10.9%
1323065054	2022-05-01	0.45	0.45	0.0%	1.64	1.64	0.0%
1431001129	2022-05-01	1.45	1.46	0.7%	3.89	3.83	1.6%
1431001190	2022-05-01	1.71	1.73	1.2%	0.71	0.75	5.5%
1431001564	2022-05-01	1.91	1.93	1.0%	1.46	1.41	3.5%
1431001607	2022-05-01	1.28	1.29	0.8%	1.01	1.02	1.0%
1431001711	2022-05-01	2.58	2.57	0.4%	7.95	8.15	2.5%
1431001722	2022-05-01	2.07	2.08	0.5%	3.67	3.58	2.5%
1323065006	2022-05-02	0.46	0.46	0.0%	0.20	0.20	0.0%
1323065055	2022-05-02	0.50	0.50	0.0%	0.42	0.44	4.7%
1323065085	2022-05-02	0.62	0.61	1.6%	0.55	0.55	0.0%
1431001547	2022-05-02	1.50	1.46	2.7%	2.94	2.92	0.7%
1431001557	2022-05-02	1.45	1.46	0.7%	1.90	1.94	2.1%
1431001626	2022-05-02	1.73	1.71	1.2%	6.24	6.24	0.0%
1431003263	2022-05-02	1.61	1.60	0.6%	1.57	1.56	0.6%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1323065112	2022-05-02	0.85	0.81	4.8%	0.29	0.29	0.0%
1323065119	2022-05-02	0.52	0.53	1.9%	1.78	1.77	0.6%
1431001144	2022-05-02	1.95	1.98	1.5%	3.37	3.30	2.1%
1431001495	2022-05-02	1.51	1.53	1.3%	6.66	6.70	0.6%
1431003317	2022-05-02	1.46	1.50	2.7%	0.50	0.51	2.0%
1320053016	2022-05-03	0.76	0.76	0.0%	1.85	1.89	2.1%
1320053032	2022-05-03	0.41	0.41	0.0%	1.65	1.67	1.2%
1323065124	2022-05-03	1.56	1.57	0.6%	0.49	0.47	4.2%
1323065124	2022-05-03	1.56	1.83	15.9%	2.01	2.06	2.5%
1431001706	2022-05-03	1.48	1.48	0.0%	0.63	0.59	6.6%
1431001706	2022-05-03	1.48	1.50	1.3%	4.38	1.52	96.9%
1431003257	2022-05-03	1.19	1.21	1.7%	1.58	1.62	2.5%
1431003364	2022-05-03	1.23	1.24	0.8%	2.86	2.88	0.7%
1431003389	2022-05-03	0.98	0.96	2.1%	2.11	2.11	0.0%
1431003389	2022-05-03	0.98	0.96	2.1%	1.15	1.22	5.9%
1320053023	2022-05-03	0.98	0.98	0.0%	1.37	1.40	2.2%
1320053036	2022-05-03	0.32	0.33	3.1%	2.01	1.97	2.0%
1431001734	2022-05-03	1.48	1.47	0.7%	1.94	1.93	0.5%
1431003227	2022-05-03	0.86	0.82	4.8%	1.33	1.43	7.2%
1431003340	2022-05-03	0.68	0.68	0.0%	1.65	1.52	8.2%
1320053066	2022-05-04	0.28	0.28	0.0%	1.82	1.82	0.0%
1431003021	2022-05-04	0.74	0.73	1.4%	2.63	2.70	2.6%
1431003031	2022-05-04	0.67	0.67	0.0%	5.07	5.11	0.8%
1320053051	2022-05-04	0.63	0.67	6.2%	1.95	1.92	1.6%
1320053081	2022-05-04	0.33	0.34	3.0%	1.62	1.61	0.6%
1431003198	2022-05-04	1.00	0.92	8.3%	0.78	0.78	0.0%
1320053041	2022-05-05	0.65	0.57	13.1%	1.61	1.57	2.5%
1320053041	2022-05-05	0.65	0.62	4.7%	2.03	1.92	5.6%
1320053043	2022-05-05	0.61	0.61	0.0%	2.02	2.15	6.2%
1431003050	2022-05-05	0.88	0.87	1.1%	1.85	1.86	0.5%
1431003106	2022-05-05	1.72	1.70	1.2%	1.00	1.02	2.0%
1431003108	2022-05-05	1.94	1.93	0.5%	0.81	0.84	3.6%
1431003164	2022-05-05	1.80	1.81	0.6%	2.66	2.67	0.4%
1431003362	2022-05-06	1.14	1.15	0.9%	4.28	4.20	1.9%
1432086011	2022-05-07	0.90	0.86	4.5%	1.75	1.78	1.7%
1431003324	2022-05-07	0.84	0.84	0.0%	1.62	1.63	0.6%
1431004008	2022-05-08	0.81	0.79	2.5%	4.48	4.44	0.9%
1431004034	2022-05-08	0.72	0.72	0.0%	1.52	1.55	2.0%
1431004046	2022-05-08	0.63	0.62	1.6%	1.95	1.89	3.1%
1431004052	2022-05-08	0.65	0.65	0.0%	7.51	7.44	0.9%
1431004065	2022-05-08	0.60	0.60	0.0%	1.24	1.21	2.4%
1431004116	2022-05-08	0.68	0.68	0.0%	1.19	1.22	2.5%
1431004151	2022-05-08	0.79	0.78	1.3%	1.20	1.18	1.7%
1431004171	2022-05-08	0.78	0.77	1.3%	0.74	0.74	0.0%
1431004191	2022-05-08	0.62	0.61	1.6%	1.78	1.82	2.2%
1431004208	2022-05-08	0.80	0.80	0.0%	6.60	6.54	0.9%
1431004217	2022-05-08	0.57	0.57	0.0%	1.65	1.66	0.6%
1431004232	2022-05-08	0.62	0.62	0.0%	1.48	1.42	4.1%
1431003128	2022-05-09	0.76	0.75	1.3%	2.82	2.78	1.4%
1431003131	2022-05-09	0.60	0.60	0.0%	4.00	3.99	0.3%
1431003289	2022-05-09	0.67	0.66	1.5%	0.58	0.58	0.0%
1431003230	2022-05-10	0.70	0.69	1.4%	1.68	1.66	1.2%
1431003078	2022-05-11	0.68	0.71	4.3%	6.45	6.52	1.1%
1431004021	2022-05-11	1.00	1.02	2.0%	4.66	4.69	0.6%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1431004059	2022-05-11	1.10	1.11	0.9%	6.44	6.36	1.3%
1431004202	2022-05-11	0.72	0.72	0.0%	1.77	1.78	0.6%
1431004242	2022-05-11	0.63	0.63	0.0%	4.56	4.58	0.4%
1431005067	2022-05-12	0.21	0.22	4.7%	1.24	1.25	0.8%
1315013005	2022-05-13	0.19	0.20	5.1%	0.22	0.22	0.0%
1315013055	2022-05-13	0.22	0.23	4.4%	0.57	0.60	5.1%
1315013093	2022-05-13	0.14	0.13	7.4%	4.56	1.84	85.0%
1315013093	2022-05-13	0.14	0.14	0.0%	0.17	0.18	5.7%
1315013078	2022-05-13	0.12	0.13	8.0%	2.17	2.19	0.9%
1431005099	2022-05-13	1.44	1.47	2.1%	1.62	1.67	3.0%
1315013008	2022-05-14	0.25	0.17	38.1%	3.51	3.34	5.0%
1315013008	2022-05-14	0.25	0.26	3.9%	3.50	3.44	1.7%
1315013067	2022-05-14	0.28	0.30	6.9%	2.01	2.22	9.9%
1315013108	2022-05-14	0.20	0.22	9.5%	2.47	2.52	2.0%
1431005023	2022-05-14	0.91	0.94	3.2%	7.75	7.74	0.1%
1315014029	2022-05-14	0.21	0.21	0.0%	2.90	2.81	3.2%
1315014042	2022-05-14	0.16	0.16	0.0%	3.46	3.54	2.3%
1315014067	2022-05-14	0.18	0.29	46.8%	2.51	1.80	32.9%
1315014067	2022-05-14	0.18	0.18	0.0%	2.50	2.53	1.2%
1315014074	2022-05-14	0.60	0.59	1.7%	2.79	2.90	3.9%
1315014088	2022-05-14	0.21	0.22	4.7%	4.56	4.44	2.7%
1315014108	2022-05-14	0.16	0.16	0.0%	2.19	2.19	0.0%
1315014017	2022-05-15	0.23	0.25	8.3%	2.36	2.42	2.5%
1315014049	2022-05-15	0.28	0.23	19.6%	2.99	2.94	1.7%
1315014052	2022-05-15	0.16	0.16	0.0%	0.09	0.09	0.0%
1431005628	2022-05-15	1.45	1.48	2.0%	1.52	1.60	5.1%
1431005651	2022-05-15	0.41	0.41	0.0%	0.46	0.46	0.0%
1431005685	2022-05-15	0.71	0.71	0.0%	0.69	0.70	1.4%
1431003193	2022-05-15	0.62	0.62	0.0%	1.88	1.89	0.5%
1431005047	2022-05-15	2.02	2.02	0.0%	2.70	2.68	0.7%
1431005047	2022-05-15	2.02	0.78	88.6%	1.39	1.38	0.7%
1322047079	2022-05-16	1.04	1.12	7.4%	0.67	0.67	0.0%
1322047099	2022-05-16	0.84	0.88	4.7%	0.16	0.16	0.0%
1322047205	2022-05-16	0.98	0.89	9.6%	0.94	0.95	1.1%
1322047224	2022-05-16	0.67	0.68	1.5%	0.78	0.69	12.2%
1322047037	2022-05-17	0.69	0.71	2.9%	0.65	0.64	1.6%
1322047212	2022-05-17	1.59	1.63	2.5%	0.37	0.42	12.7%
1431003234	2022-05-17	0.63	0.63	0.0%	1.17	1.16	0.9%
1431003296	2022-05-17	0.47	0.44	6.6%	0.57	0.55	3.6%
1315015142	2022-05-17	0.27	0.27	0.0%	1.85	1.83	1.1%
1315015126	2022-05-18	0.19	0.19	0.0%	1.40	1.45	3.5%
1315015160	2022-05-18	0.29	0.29	0.0%	2.06	2.03	1.5%
1322047139	2022-05-18	0.85	0.77	9.9%	0.39	0.44	12.0%
1322047141	2022-05-18	0.94	0.97	3.1%	0.74	0.75	1.3%
1430097010	2022-05-18	0.85	0.86	1.2%	2.10	2.11	0.5%
1430097026	2022-05-18	1.03	1.04	1.0%	2.71	2.73	0.7%
1430097027	2022-05-18	2.18	2.22	1.8%	0.86	0.86	0.0%
1430097031	2022-05-18	1.39	1.35	2.9%	0.89	0.88	1.1%
1430097079	2022-05-18	1.32	1.30	1.5%	5.34	5.28	1.1%
1315015006	2022-05-19	0.32	0.31	3.2%	0.31	0.31	0.0%
1315015108	2022-05-19	0.30	0.28	6.9%	2.51	2.51	0.0%
1315015115	2022-05-19	0.20	0.19	5.1%	1.14	1.09	4.5%
1321070107	2022-05-19	0.38	0.38	0.0%	1.97	1.92	2.6%
1321070148	2022-05-19	0.62	0.62	0.0%	0.15	0.16	6.5%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1430097056	2022-05-19	1.10	1.14	3.6%	1.13	1.13	0.0%
1430097060	2022-05-19	0.89	0.89	0.0%	1.45	1.51	4.1%
1315015054	2022-05-20	0.24	0.25	4.1%	1.04	1.02	1.9%
1315015068	2022-05-20	0.23	0.23	0.0%	1.56	1.57	0.6%
1322047088	2022-05-20	0.65	0.65	0.0%	1.00	0.95	5.1%
1322047097	2022-05-20	0.89	0.89	0.0%	0.88	0.89	1.1%
1315015020	2022-05-20	0.15	0.15	0.0%	2.99	3.04	1.7%
1315015027	2022-05-20	0.13	0.14	7.4%	1.93	1.91	1.0%
1315015079	2022-05-20	0.25	0.24	4.1%	3.24	3.30	1.8%
1321070017	2022-05-20	0.74	0.75	1.3%	1.56	1.58	1.3%
1321070082	2022-05-20	0.56	0.56	0.0%	0.95	0.93	2.1%
1321070090	2022-05-20	0.27	0.28	3.6%	1.69	1.70	0.6%
1321070124	2022-05-20	0.61	0.62	1.6%	2.06	2.11	2.4%
1432083048	2022-05-20	1.59	1.65	3.7%	2.53	2.59	2.3%
1321070027	2022-05-21	0.30	0.30	0.0%	1.34	1.38	2.9%
1321070027	2022-05-21	0.30	0.29	3.4%	1.23	0.09	172.7%
1321070044	2022-05-21	0.77	0.77	0.0%	1.80	1.86	3.3%
1321070059	2022-05-21	0.44	0.43	2.3%	1.68	1.65	1.8%
1432083030	2022-05-21	1.37	1.38	0.7%	0.91	0.87	4.5%
1432083066	2022-05-21	1.96	2.02	3.0%	0.67	0.69	2.9%
1432083113	2022-05-21	0.94	0.94	0.0%	2.76	2.82	2.2%
1432083157	2022-05-22	0.78	0.79	1.3%	2.17	2.25	3.6%
1322047001	2022-05-22	0.89	0.92	3.3%	0.06	0.05	18.2%
1322047055	2022-05-22	0.48	0.48	0.0%	0.76	0.71	6.8%
1432083075	2022-05-22	1.67	1.66	0.6%	2.18	2.14	1.9%
1322047031	2022-05-23	0.66	0.66	0.0%	1.10	1.14	3.6%
1432083087	2022-05-23	1.40	1.39	0.7%	1.26	1.23	2.4%
1322047013	2022-05-23	0.51	0.50	2.0%	0.12	0.14	15.4%
1432082245	2022-05-24	0.23	0.22	4.4%	1.33	1.32	0.8%
1432082289	2022-05-25	0.39	0.39	0.0%	1.34	1.36	1.5%
1432082307	2022-05-26	0.32	0.32	0.0%	3.62	3.75	3.5%
1432082313	2022-05-26	0.39	0.40	2.5%	1.55	1.60	3.2%
1313001020	2022-05-26	0.12	0.11	8.7%	1.93	1.94	0.5%
1313001023	2022-05-26	0.23	0.23	0.0%	1.50	1.56	3.9%
1314004708	2022-05-26	0.21	0.17	21.1%	9.16	9.28	1.3%
1314004030	2022-05-27	0.24	0.22	8.7%	0.70	0.71	1.4%
1314004042	2022-05-27	0.12	0.13	8.0%	1.11	1.12	0.9%
1314004110	2022-05-27	0.33	0.34	3.0%	1.50	1.51	0.7%
1314004702	2022-05-27	0.11	0.11	0.0%	2.90	2.84	2.1%
1314004148	2022-05-28	0.80	0.81	1.2%	1.76	1.75	0.6%
1314004152	2022-05-28	0.75	0.73	2.7%	2.85	2.82	1.1%
1314004025	2022-05-29	0.25	0.25	0.0%	2.21	2.22	0.5%
1314004084	2022-05-29	0.65	0.65	0.0%	0.34	0.33	3.0%
1314004136	2022-05-29	0.43	0.44	2.3%	1.22	1.30	6.3%
1314004327	2022-05-29	0.20	0.20	0.0%	1.72	1.74	1.2%
1314004345	2022-05-29	0.24	0.25	4.1%	1.23	1.23	0.0%
1314004345	2022-05-29	0.24	0.28	15.4%	1.40	1.45	3.5%
1314004332	2022-05-30	0.18	0.19	5.4%	0.62	0.55	12.0%
1314004351	2022-05-30	0.23	0.22	4.4%	1.13	1.10	2.7%
1314004386	2022-05-30	0.26	0.33	23.7%	0.11	0.11	0.0%
1314004386	2022-05-30	0.26	0.26	0.0%	1.00	1.00	0.0%
1314004399	2022-05-30	0.20	0.21	4.9%	0.31	0.34	9.2%
1314004714	2022-05-30	0.72	0.72	0.0%	1.87	1.94	3.7%
1314008171	2022-06-30	0.32	0.31	3.2%	1.86	1.86	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1314008006	2022-07-01	0.18	0.18	0.0%	3.18	3.18	0.0%
1314008403	2022-07-01	0.14	0.14	0.0%	0.08	0.08	0.0%
1314008420	2022-07-01	0.14	0.15	6.9%	1.27	1.27	0.0%
1314008017	2022-07-01	0.22	0.23	4.4%	3.05	3.05	0.0%
1322049420	2022-07-01	1.41	1.38	2.2%	0.84	0.84	0.0%
1322049442	2022-07-01	0.60	0.62	3.3%	0.61	0.61	0.0%
1314010121	2022-07-01	0.24	0.24	0.0%	1.09	1.09	0.0%
1314010172	2022-07-02	0.22	0.23	4.4%	2.05	2.05	0.0%
1322049221	2022-07-02	1.97	1.97	0.0%	1.47	1.47	0.0%
1314010177	2022-07-02	0.15	0.15	0.0%	1.70	1.70	0.0%
1322049241	2022-07-02	0.88	0.90	2.2%	1.50	1.50	0.0%
1314010103	2022-07-03	0.40	0.39	2.5%	1.69	1.69	0.0%
1318083062	2022-07-03	0.15	0.15	0.0%	3.47	3.47	0.0%
1318083066	2022-07-03	0.10	0.10	0.0%	3.88	3.88	0.0%
1318083116	2022-07-03	0.18	0.18	0.0%	3.62	3.62	0.0%
1322049406	2022-07-03	0.57	0.54	5.4%	0.25	0.25	0.0%
1314010002	2022-07-03	0.16	0.19	17.1%	3.00	3.00	0.0%
1314010071	2022-07-03	0.27	0.26	3.8%	0.88	0.88	0.0%
1318083005	2022-07-03	0.58	0.59	1.7%	1.88	1.88	0.0%
1318083015	2022-07-03	0.30	0.31	3.3%	2.37	2.37	0.0%
1318083042	2022-07-03	0.47	0.47	0.0%	2.31	2.31	0.0%
1314010610	2022-07-04	0.30	0.31	3.3%	1.80	1.80	0.0%
1314010620	2022-07-04	0.25	0.26	3.9%	1.25	1.25	0.0%
1318083087	2022-07-04	0.21	0.20	4.9%	2.47	2.47	0.0%
1318083110	2022-07-04	0.29	0.29	0.0%	3.17	3.17	0.0%
1322049122	2022-07-04	0.60	0.61	1.7%	1.25	1.25	0.0%
1322049174	2022-07-04	0.82	0.89	8.2%	0.95	0.95	0.0%
1322049028	2022-07-04	1.02	1.06	3.8%	2.37	2.37	0.0%
1322049047	2022-07-04	1.25	1.23	1.6%	1.60	1.60	0.0%
1322049049	2022-07-04	1.03	1.02	1.0%	1.67	1.67	0.0%
1322049054	2022-07-04	1.01	0.89	12.6%	0.85	0.85	0.0%
1322049054	2022-07-04	1.01	1.02	1.0%	0.81	0.81	0.0%
1322049133	2022-07-04	1.18	1.24	5.0%	3.72	3.72	0.0%
1322049070	2022-07-05	0.50	0.50	0.0%	0.25	0.25	0.0%
1322049070	2022-07-05	0.50	0.52	3.9%	0.89	0.89	0.0%
1322049140	2022-07-05	1.43	1.47	2.8%	2.58	2.58	0.0%
1322049055	2022-07-05	0.43	0.44	2.3%	0.45	0.45	0.0%
1322049187	2022-07-05	0.57	0.57	0.0%	0.68	0.68	0.0%
1322049212	2022-07-05	0.45	0.46	2.2%	0.55	0.55	0.0%
1322049210	2022-07-06	0.90	0.89	1.1%	0.10	0.10	0.0%
1322049236	2022-07-06	0.78	0.75	3.9%	0.67	0.67	0.0%
1322049236	2022-07-06	0.78	0.79	1.3%	0.44	0.44	0.0%
1433006014	2022-07-06	0.47	0.47	0.0%	1.03	1.03	0.0%
1433006039	2022-07-06	0.87	0.88	1.1%	0.73	0.73	0.0%
1433006042	2022-07-06	0.61	0.61	0.0%	0.70	0.70	0.0%
1433006051	2022-07-07	0.48	0.48	0.0%	1.29	1.29	0.0%
1322048043	2022-07-07	0.66	0.68	3.0%	0.84	0.84	0.0%
1322048105	2022-07-07	1.50	1.50	0.0%	3.68	3.68	0.0%
1322048120	2022-07-07	0.97	0.96	1.0%	3.32	3.32	0.0%
1322048159	2022-07-07	0.42	0.40	4.9%	0.60	0.60	0.0%
1322048166	2022-07-07	0.28	0.28	0.0%	1.40	1.40	0.0%
1322048515	2022-07-07	0.65	0.65	0.0%	1.82	1.82	0.0%
1322048085	2022-07-08	0.69	0.68	1.5%	1.00	1.00	0.0%
1432081080	2022-07-08	0.58	0.56	3.5%	1.10	1.10	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1432081120	2022-07-08	0.32	0.34	6.1%	0.38	0.38	0.0%
1432081120	2022-07-08	0.32	0.38	17.1%	0.71	0.71	0.0%
1322048079	2022-07-08	0.62	0.61	1.6%	1.01	1.01	0.0%
1322048082	2022-07-08	0.48	0.50	4.1%	0.06	0.06	0.0%
1322048037	2022-07-09	0.70	0.71	1.4%	1.15	1.15	0.0%
1322048129	2022-07-09	1.03	1.03	0.0%	1.30	1.30	0.0%
1322051118	2022-07-09	0.80	0.80	0.0%	0.32	0.32	0.0%
1322051119	2022-07-09	0.56	0.57	1.8%	0.40	0.40	0.0%
1322051010	2022-07-09	0.49	0.62	23.4%	0.20	0.20	0.0%
1322051010	2022-07-09	0.49	0.49	0.0%	0.17	0.17	0.0%
1322051080	2022-07-09	0.69	0.70	1.4%	0.11	0.11	0.0%
1322050006	2022-07-10	0.53	0.55	3.7%	0.22	0.22	0.0%
1322050073	2022-07-10	0.60	0.60	0.0%	0.21	0.21	0.0%
1322051075	2022-07-10	0.87	0.85	2.3%	0.28	0.28	0.0%
1322048072	2022-07-10	0.89	0.87	2.3%	0.45	0.45	0.0%
1322050009	2022-07-10	0.57	0.55	3.6%	0.23	0.23	0.0%
1322050025	2022-07-10	0.55	0.54	1.8%	0.14	0.14	0.0%
1322050027	2022-07-10	0.59	0.58	1.7%	0.23	0.23	0.0%
1322050145	2022-07-10	0.64	0.63	1.6%	1.24	1.24	0.0%
1322051016	2022-07-10	0.54	0.54	0.0%	0.12	0.12	0.0%
1322050106	2022-07-11	0.60	0.61	1.7%	0.26	0.26	0.0%
1322050123	2022-07-11	0.67	0.67	0.0%	0.42	0.42	0.0%
1322050132	2022-07-11	0.56	0.55	1.8%	0.35	0.35	0.0%
1322050032	2022-07-11	0.85	0.85	0.0%	0.36	0.36	0.0%
1322050104	2022-07-11	0.71	0.71	0.0%	0.46	0.46	0.0%
1322050154	2022-07-11	0.76	0.77	1.3%	0.91	0.91	0.0%
1322051532	2022-07-11	0.70	0.72	2.8%	0.20	0.20	0.0%
1322051540	2022-07-11	0.67	0.66	1.5%	0.35	0.35	0.0%
1314010124	2022-07-12	0.08	0.08	0.0%	0.24	0.24	0.0%
1322050067	2022-07-12	0.60	0.59	1.7%	0.40	0.40	0.0%
1322050405	2022-07-12	1.05	1.04	1.0%	0.33	0.33	0.0%
1322051504	2022-07-12	0.49	0.50	2.0%	0.17	0.17	0.0%
1322051072	2022-07-12	0.43	0.43	0.0%	0.37	0.37	0.0%
1322051543	2022-07-12	0.87	0.87	0.0%	0.41	0.41	0.0%
1431011024	2022-07-12	1.60	1.68	4.9%	6.24	6.24	0.0%
1431011067	2022-07-12	1.73	1.79	3.4%	2.48	2.48	0.0%
1431011088	2022-07-12	2.51	2.55	1.6%	1.83	1.83	0.0%
1431011058	2022-07-12	0.88	0.87	1.1%	1.85	1.85	0.0%
1431011061	2022-07-12	1.59	1.59	0.0%	3.48	3.48	0.0%
1431011047	2022-07-12	1.76	1.64	7.1%	3.80	3.80	0.0%
1431011047	2022-07-12	1.76	1.76	0.0%	3.59	3.59	0.0%
1321072454	2022-07-13	0.32	0.32	0.0%	2.09	2.09	0.0%
1431011056	2022-07-13	1.64	1.63	0.6%	3.20	3.20	0.0%
1432023097	2022-07-13	1.55	1.53	1.3%	0.71	0.71	0.0%
1432023171	2022-07-13	1.68	1.73	2.9%	1.25	1.25	0.0%
1314007045	2022-07-14	0.15	0.14	6.9%	2.21	2.21	0.0%
1314007045	2022-07-14	0.15	0.26	53.7%	1.42	1.42	0.0%
1321072413	2022-07-14	0.17	0.17	0.0%	0.56	0.56	0.0%
1432023039	2022-07-14	3.04	3.00	1.3%	0.65	0.65	0.0%
1432023069	2022-07-14	1.38	1.38	0.0%	0.72	0.72	0.0%
1432023083	2022-07-14	2.68	2.74	2.2%	1.25	1.25	0.0%
1314007090	2022-07-14	0.18	0.18	0.0%	3.46	3.46	0.0%
1432023031	2022-07-14	1.87	1.87	0.0%	0.11	0.11	0.0%
1432023128	2022-07-14	1.16	1.09	6.2%	0.91	0.91	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1314007042	2022-07-15	0.23	0.24	4.3%	2.52	2.52	0.0%
1314007063	2022-07-15	0.30	0.29	3.4%	0.57	0.57	0.0%
1432023019	2022-07-15	2.85	2.85	0.0%	0.80	0.80	0.0%
1432023107	2022-07-15	0.45	0.47	4.3%	0.74	0.74	0.0%
1314007005	2022-07-15	0.37	0.36	2.7%	2.88	2.88	0.0%
1314007035	2022-07-16	0.15	0.15	0.0%	1.71	1.71	0.0%
1318089022	2022-07-16	0.40	0.40	0.0%	2.36	2.36	0.0%
1318089071	2022-07-16	0.70	0.74	5.6%	1.62	1.62	0.0%
1318089082	2022-07-16	0.80	0.82	2.5%	1.42	1.42	0.0%
1318089203	2022-07-16	0.20	0.19	5.1%	0.35	0.35	0.0%
1321071028	2022-07-16	0.56	0.58	3.5%	1.45	1.45	0.0%
1321071075	2022-07-16	0.41	0.41	0.0%	1.60	1.60	0.0%
1321071080	2022-07-16	1.01	1.05	3.9%	1.40	1.40	0.0%
1321071259	2022-07-16	0.47	0.45	4.3%	2.06	2.06	0.0%
1321071259	2022-07-16	0.47	0.81	53.1%	1.50	1.50	0.0%
1318089030	2022-07-16	0.79	0.81	2.5%	2.26	2.26	0.0%
1321071069	2022-07-16	0.63	0.62	1.6%	1.77	1.77	0.0%
1321071086	2022-07-16	0.45	0.45	0.0%	0.59	0.59	0.0%
1321071217	2022-07-16	0.62	0.61	1.6%	1.23	1.23	0.0%
1321071255	2022-07-16	0.69	0.69	0.0%	1.18	1.18	0.0%
1321072268	2022-07-16	0.68	0.68	0.0%	0.51	0.51	0.0%
1318089002	2022-07-17	0.19	0.18	5.4%	1.23	1.23	0.0%
1318089051	2022-07-17	0.96	0.96	0.0%	2.23	2.23	0.0%
1321071134	2022-07-17	0.63	0.65	3.1%	1.04	1.04	0.0%
1321071135	2022-07-17	0.69	0.68	1.5%	0.61	0.61	0.0%
1321071196	2022-07-17	0.48	0.48	0.0%	1.49	1.49	0.0%
1321072332	2022-07-17	0.44	0.45	2.2%	2.00	2.00	0.0%
1321071109	2022-07-17	0.81	0.81	0.0%	2.44	2.44	0.0%
1321072284	2022-07-17	0.30	0.30	0.0%	0.17	0.17	0.0%
1321072257	2022-07-18	0.16	0.15	6.5%	0.12	0.12	0.0%
1321071042	2022-07-18	1.07	1.03	3.8%	2.74	2.74	0.0%
1321071100	2022-07-18	0.53	0.54	1.9%	0.59	0.59	0.0%
1321071141	2022-07-18	0.68	0.66	3.0%	1.53	1.53	0.0%
1321071143	2022-07-19	0.92	0.91	1.1%	1.41	1.41	0.0%
1321071143	2022-07-19	0.92	0.73	23.0%	1.08	1.08	0.0%
1321071180	2022-07-19	0.46	0.47	2.2%	1.71	1.71	0.0%
1321074035	2022-07-19	0.61	0.61	0.0%	0.92	0.92	0.0%
1321074097	2022-07-19	0.42	0.46	9.1%	0.90	0.90	0.0%
1321074128	2022-07-19	0.83	0.84	1.2%	0.17	0.17	0.0%
1321074022	2022-07-19	0.47	0.46	2.2%	1.00	1.00	0.0%
1321074065	2022-07-19	0.50	0.48	4.1%	1.55	1.55	0.0%
1321074136	2022-07-19	0.36	0.36	0.0%	2.18	2.18	0.0%
1321074039	2022-07-20	0.21	0.22	4.7%	0.08	0.08	0.0%
1321074051	2022-07-20	0.62	0.60	3.3%	1.18	1.18	0.0%
1321074166	2022-07-20	0.57	0.57	0.0%	0.28	0.28	0.0%
1431012320	2022-07-20	1.11	1.11	0.0%	0.90	0.90	0.0%
1431012328	2022-07-20	0.59	0.61	3.3%	0.63	0.63	0.0%
1431012359	2022-07-20	0.74	0.74	0.0%	0.66	0.66	0.0%
1431012373	2022-07-20	0.67	0.67	0.0%	0.93	0.93	0.0%
1321074148	2022-07-21	0.49	0.50	2.0%	0.48	0.48	0.0%
1321074149	2022-07-21	0.58	0.58	0.0%	0.66	0.66	0.0%
1431012402	2022-07-21	0.50	0.50	0.0%	0.71	0.71	0.0%
1321074046	2022-07-21	0.38	0.38	0.0%	1.07	1.07	0.0%
1321074188	2022-07-21	0.51	0.50	2.0%	0.34	0.34	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1431012412	2022-07-21	1.33	1.34	0.7%	0.81	0.81	0.0%
1431012459	2022-07-22	0.49	0.50	2.0%	0.71	0.71	0.0%
1431012514	2022-07-22	0.35	0.35	0.0%	0.47	0.47	0.0%
1321075056	2022-07-22	0.58	0.58	0.0%	0.47	0.47	0.0%
1321075101	2022-07-22	0.47	0.47	0.0%	0.08	0.08	0.0%
1431012612	2022-07-22	0.25	0.24	4.1%	1.44	1.44	0.0%
1321075040	2022-07-23	1.11	1.12	0.9%	1.20	1.20	0.0%
1321075083	2022-07-23	0.89	0.90	1.1%	0.23	0.23	0.0%
1321075160	2022-07-23	0.50	0.49	2.0%	0.95	0.95	0.0%
1432080116	2022-07-23	1.01	0.49	69.3%	0.97	0.97	0.0%
1432080116	2022-07-23	1.01	1.02	1.0%	0.70	0.70	0.0%
1321075062	2022-07-24	0.61	0.61	0.0%	0.15	0.15	0.0%
1321075116	2022-07-24	0.52	0.54	3.8%	1.06	1.06	0.0%
1321075186	2022-07-24	0.74	0.74	0.0%	1.31	1.31	0.0%
1321075164	2022-07-24	0.55	0.55	0.0%	0.71	0.71	0.0%
1321075020	2022-07-25	0.49	0.50	2.0%	0.30	0.30	0.0%
1321075202	2022-07-25	0.71	0.69	2.9%	1.57	1.57	0.0%
1321075053	2022-07-25	1.02	1.02	0.0%	0.89	0.89	0.0%
1321075231	2022-07-25	1.25	1.26	0.8%	5.35	5.35	0.0%
1321075432	2022-07-25	0.70	0.69	1.4%	0.56	0.56	0.0%
1432021034	2022-07-25	0.37	0.37	0.0%	3.12	3.12	0.0%
1432021058	2022-07-25	0.10	0.10	0.0%	8.08	8.08	0.0%
1432021092	2022-07-25	1.18	1.13	4.3%	4.46	4.46	0.0%
1321075439	2022-07-26	0.71	0.71	0.0%	0.67	0.67	0.0%
1321073431	2022-07-26	0.57	0.56	1.8%	1.30	1.30	0.0%
1321075447	2022-07-26	0.65	0.56	14.9%	1.90	1.90	0.0%
1321075453	2022-07-26	1.16	1.13	2.6%	1.77	1.77	0.0%
1321073217	2022-07-27	0.62	0.62	0.0%	1.33	1.33	0.0%
1321073217	2022-07-27	0.62	0.47	27.5%	1.61	1.61	0.0%
1321073224	2022-07-27	0.70	0.69	1.4%	2.27	2.27	0.0%
1321073247	2022-07-27	0.69	0.68	1.5%	2.56	2.56	0.0%
1321073218	2022-07-27	0.65	0.65	0.0%	1.33	1.33	0.0%
1321073342	2022-07-27	0.56	0.58	3.5%	0.95	0.95	0.0%
1321079054	2022-07-27	0.47	0.47	0.0%	0.90	0.90	0.0%
1321079016	2022-07-28	0.62	0.61	1.6%	0.70	0.70	0.0%
1321079022	2022-07-28	0.34	0.36	5.7%	1.53	1.53	0.0%
1321079097	2022-07-28	0.43	0.44	2.3%	0.41	0.41	0.0%
1321079100	2022-07-28	0.85	0.84	1.2%	0.95	0.95	0.0%
1321079107	2022-07-28	0.54	0.55	1.8%	1.60	1.60	0.0%
1321079138	2022-07-28	0.58	0.58	0.0%	0.17	0.17	0.0%
1321079046	2022-07-29	0.81	0.84	3.6%	0.74	0.74	0.0%
1313003109	2022-07-29	0.13	0.13	0.0%	1.22	1.22	0.0%
1321078023	2022-07-29	0.52	0.53	1.9%	0.26	0.26	0.0%
1321078055	2022-07-29	0.43	0.44	2.3%	0.45	0.45	0.0%
1313003006	2022-07-30	0.11	0.19	53.3%	0.89	0.89	0.0%
1313003006	2022-07-30	0.11	0.12	8.7%	0.98	0.98	0.0%
1321078609	2022-07-30	0.69	0.71	2.9%	0.10	0.10	0.0%
1321080006	2022-07-30	0.67	0.67	0.0%	1.15	1.15	0.0%
1321081044	2022-07-30	0.67	0.67	0.0%	0.69	0.69	0.0%
1321081144	2022-07-30	0.78	0.77	1.3%	0.93	0.93	0.0%
1321078021	2022-07-30	0.49	0.50	2.0%	0.19	0.19	0.0%
1321078073	2022-07-30	0.48	0.50	4.1%	0.22	0.22	0.0%
1321078600	2022-07-30	0.71	0.72	1.4%	0.29	0.29	0.0%
1321079091	2022-07-30	0.63	0.65	3.1%	0.25	0.25	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1321080059	2022-07-30	0.46	0.46	0.0%	0.10	0.10	0.0%
1321080149	2022-07-30	0.58	0.58	0.0%	0.22	0.22	0.0%
1321080165	2022-07-30	0.46	0.46	0.0%	0.24	0.24	0.0%
1321081122	2022-07-30	1.50	1.50	0.0%	2.65	2.65	0.0%
1321080164	2022-07-31	0.52	0.52	0.0%	0.33	0.33	0.0%
1321078029	2022-07-31	0.50	0.49	2.0%	0.77	0.77	0.0%
1321080108	2022-07-31	0.40	0.39	2.5%	0.26	0.26	0.0%
1321081438	2022-07-31	0.28	0.29	3.5%	0.72	0.72	0.0%
1321078076	2022-08-01	0.57	0.58	1.7%	0.50	0.50	0.0%
1321078115	2022-08-01	0.69	0.70	1.4%	0.97	0.97	0.0%
1321080020	2022-08-01	1.25	1.24	0.8%	1.80	1.80	0.0%
1321080716	2022-08-01	0.41	0.42	2.4%	0.07	0.07	0.0%
1321080745	2022-08-01	0.74	0.75	1.3%	0.32	0.32	0.0%
1321081416	2022-08-01	0.43	0.43	0.0%	0.82	0.82	0.0%
1321078031	2022-08-01	0.53	0.54	1.9%	0.22	0.22	0.0%
1321078130	2022-08-01	0.76	0.76	0.0%	0.28	0.28	0.0%
1321078465	2022-08-01	0.83	0.83	0.0%	0.53	0.53	0.0%
1321080062	2022-08-01	0.63	0.64	1.6%	0.55	0.55	0.0%
1321080130	2022-08-01	0.54	0.54	0.0%	0.18	0.18	0.0%
1321078435	2022-08-02	0.54	0.53	1.9%	0.31	0.31	0.0%
1321078098	2022-08-02	0.80	0.80	0.0%	0.76	0.76	0.0%
1321078098	2022-08-02	0.80	0.65	20.7%	0.45	0.45	0.0%
1321078123	2022-08-02	1.08	1.08	0.0%	0.55	0.55	0.0%
1321078094	2022-08-03	0.80	0.80	0.0%	0.11	0.11	0.0%
1321081099	2022-08-03	1.07	1.13	5.5%	2.67	2.67	0.0%
1321080031	2022-08-03	0.67	0.65	3.0%	0.93	0.93	0.0%
1321080066	2022-08-03	0.79	0.83	4.9%	1.01	1.01	0.0%
1321080095	2022-08-03	0.72	0.71	1.4%	0.13	0.13	0.0%
1321081013	2022-08-03	1.65	1.62	1.8%	1.98	1.98	0.0%
1321081136	2022-08-03	0.88	0.91	3.4%	1.30	1.30	0.0%
1313003245	2022-08-04	0.21	0.19	10.0%	1.42	1.42	0.0%
1321078405	2022-08-04	0.62	0.60	3.3%	0.39	0.39	0.0%
1321078449	2022-08-04	0.70	0.68	2.9%	0.13	0.13	0.0%
1321080720	2022-08-04	0.57	0.60	5.1%	0.12	0.12	0.0%
1321080734	2022-08-04	0.69	0.69	0.0%	0.15	0.15	0.0%
1321081026	2022-08-04	0.46	0.47	2.2%	2.51	2.51	0.0%
1321081026	2022-08-04	0.46	0.51	10.3%	2.62	2.62	0.0%
1321081061	2022-08-04	0.79	0.80	1.3%	1.52	1.52	0.0%
1313003176	2022-08-04	0.27	0.27	0.0%	0.87	0.87	0.0%
1313003203	2022-08-04	0.14	0.15	6.9%	1.12	1.12	0.0%
1321078444	2022-08-04	0.47	0.49	4.2%	0.31	0.31	0.0%
1313005103	2022-08-05	1.03	0.99	4.0%	0.40	0.40	0.0%
1313005186	2022-08-05	0.15	0.14	6.9%	0.98	0.98	0.0%
1313005328	2022-08-05	0.21	0.20	4.9%	0.64	0.64	0.0%
1313003123	2022-08-05	0.12	0.12	0.0%	1.28	1.28	0.0%
1313003154	2022-08-05	0.19	0.19	0.0%	1.26	1.26	0.0%
1313003022	2022-08-06	0.18	0.17	5.7%	1.01	1.01	0.0%
1313003034	2022-08-06	0.26	0.26	0.0%	1.38	1.38	0.0%
1313003187	2022-08-06	0.32	0.32	0.0%	0.43	0.43	0.0%
1313002016	2022-08-06	0.43	0.43	0.0%	1.50	1.50	0.0%
1313003132	2022-08-06	0.21	0.22	4.7%	1.00	1.00	0.0%
1313003041	2022-08-07	0.15	0.14	6.9%	0.65	0.65	0.0%
1313006025	2022-08-07	0.07	0.09	25.0%	5.42	5.42	0.0%
1313006310	2022-08-07	0.09	0.08	11.8%	3.28	3.28	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1313006314	2022-08-07	0.25	0.24	4.1%	3.36	3.36	0.0%
1313006330	2022-08-07	0.24	0.24	0.0%	1.24	1.24	0.0%
1320058107	2022-08-07	0.47	0.47	0.0%	1.48	1.48	0.0%
1320058125	2022-08-07	0.37	0.37	0.0%	1.17	1.17	0.0%
1320058057	2022-08-08	0.61	0.64	4.8%	1.18	1.18	0.0%
1320058063	2022-08-08	0.65	0.66	1.5%	0.68	0.68	0.0%
1320058064	2022-08-08	0.62	0.62	0.0%	0.43	0.43	0.0%
1320058089	2022-08-08	0.85	0.87	2.3%	1.35	1.35	0.0%
1320058140	2022-08-08	0.45	0.47	4.3%	1.71	1.71	0.0%
1432080108	2022-08-08	0.87	0.86	1.2%	0.82	0.82	0.0%
1432080175	2022-08-08	0.72	0.73	1.4%	1.03	1.03	0.0%
1313004010	2022-08-09	0.16	0.15	6.5%	1.82	1.82	0.0%
1313004060	2022-08-09	0.21	0.21	0.0%	2.00	2.00	0.0%
1313004315	2022-08-09	0.24	0.25	4.1%	0.22	0.22	0.0%
1320054070	2022-08-09	0.79	0.77	2.6%	1.35	1.35	0.0%
1320054101	2022-08-09	0.63	0.63	0.0%	1.38	1.38	0.0%
1320058160	2022-08-09	0.51	0.50	2.0%	1.54	1.54	0.0%
1320058182	2022-08-09	0.66	0.67	1.5%	1.67	1.67	0.0%
1320058185	2022-08-09	0.78	0.80	2.5%	1.52	1.52	0.0%
1320058190	2022-08-09	0.73	0.73	0.0%	1.24	1.24	0.0%
1432080167	2022-08-09	0.61	0.62	1.6%	0.65	0.65	0.0%
1432080430	2022-08-09	0.72	0.73	1.4%	0.83	0.83	0.0%
1313009409	2022-08-09	0.11	0.11	0.0%	1.50	1.50	0.0%
1313009416	2022-08-09	0.13	0.13	0.0%	2.22	2.22	0.0%
1313009429	2022-08-09	0.22	0.22	0.0%	0.65	0.65	0.0%
1320054140	2022-08-10	0.33	0.33	0.0%	0.52	0.52	0.0%
1320058041	2022-08-10	0.72	0.71	1.4%	0.30	0.30	0.0%
1432080100	2022-08-10	1.08	1.10	1.8%	0.81	0.81	0.0%
1432080155	2022-08-10	0.96	0.97	1.0%	1.47	1.47	0.0%
1313004310	2022-08-10	0.17	0.18	5.7%	0.35	0.35	0.0%
1320054061	2022-08-10	0.89	0.89	0.0%	1.72	1.72	0.0%
1320054117	2022-08-10	0.58	0.57	1.7%	1.36	1.36	0.0%
1320054137	2022-08-10	0.69	0.69	0.0%	1.47	1.47	0.0%
1320054124	2022-08-11	0.71	0.73	2.8%	1.49	1.49	0.0%
1320054124	2022-08-11	0.71	0.71	0.0%	1.52	1.52	0.0%
1320054125	2022-08-11	0.68	0.68	0.0%	1.59	1.59	0.0%
1313004019	2022-08-11	0.15	0.15	0.0%	1.44	1.44	0.0%
1313004028	2022-08-11	0.13	0.13	0.0%	1.87	1.87	0.0%
1320054077	2022-08-11	0.39	0.39	0.0%	1.24	1.24	0.0%
1313007321	2022-08-11	0.17	0.17	0.0%	3.60	3.60	0.0%
1313007322	2022-08-11	0.13	0.12	8.0%	3.26	3.26	0.0%
1320056044	2022-08-12	0.33	0.34	3.0%	1.37	1.37	0.0%
1320056405	2022-08-12	0.71	0.72	1.4%	1.62	1.62	0.0%
1320056421	2022-08-12	0.50	0.49	2.0%	1.22	1.22	0.0%
1320056433	2022-08-12	0.15	0.14	6.9%	0.32	0.32	0.0%
1313007312	2022-08-13	0.25	0.24	4.1%	3.59	3.59	0.0%
1320056129	2022-08-13	0.37	0.37	0.0%	2.00	2.00	0.0%
1320056172	2022-08-13	0.45	0.44	2.2%	1.19	1.19	0.0%
1320056046	2022-08-13	1.04	1.05	1.0%	1.13	1.13	0.0%
1320056617	2022-08-13	0.20	0.20	0.0%	0.33	0.33	0.0%
1320056617	2022-08-13	0.20	0.29	36.7%	0.31	0.31	0.0%
1320056674	2022-08-13	0.66	0.67	1.5%	1.25	1.25	0.0%
1320056823	2022-08-13	0.68	0.67	1.5%	1.81	1.81	0.0%
1313007037	2022-08-14	0.16	0.17	6.1%	2.56	2.56	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1313009007	2022-08-14	0.18	0.18	0.0%	1.19	1.19	0.0%
1313009019	2022-08-14	0.54	0.54	0.0%	0.61	0.61	0.0%
1313009023	2022-08-14	0.44	0.44	0.0%	1.60	1.60	0.0%
1313009063	2022-08-14	0.23	0.23	0.0%	1.64	1.64	0.0%
1313009083	2022-08-14	0.17	0.17	0.0%	1.88	1.88	0.0%
1320056727	2022-08-14	0.43	0.43	0.0%	1.02	1.02	0.0%
1320056789	2022-08-14	0.67	0.65	3.0%	1.53	1.53	0.0%
1320056814	2022-08-14	0.63	0.62	1.6%	2.06	2.06	0.0%
1313007134	2022-08-14	0.17	0.17	0.0%	0.25	0.25	0.0%
1320056707	2022-08-14	0.59	0.58	1.7%	1.49	1.49	0.0%
1320056713	2022-08-14	0.10	0.10	0.0%	0.12	0.12	0.0%
1320056780	2022-08-14	0.53	0.53	0.0%	1.89	1.89	0.0%
1313007060	2022-08-15	0.14	0.14	0.0%	2.21	2.21	0.0%
1313007060	2022-08-15	0.14	0.17	19.4%	2.04	2.04	0.0%
1313007137	2022-08-15	0.20	0.21	4.9%	0.11	0.11	0.0%
1320056656	2022-08-15	0.61	0.62	1.6%	1.43	1.43	0.0%
1313007162	2022-08-15	0.19	0.18	5.4%	2.17	2.17	0.0%
1320056650	2022-08-15	0.78	0.79	1.3%	2.05	2.05	0.0%
1320056650	2022-08-15	0.78	0.88	12.0%	4.14	4.14	0.0%
1320056704	2022-08-15	0.65	0.67	3.0%	0.99	0.99	0.0%
1320055018	2022-08-16	0.73	0.70	4.2%	1.10	1.10	0.0%
1320055091	2022-08-16	0.33	0.33	0.0%	2.02	2.02	0.0%
1320055023	2022-08-16	0.66	0.67	1.5%	1.55	1.55	0.0%
1313007146	2022-08-17	0.18	0.18	0.0%	1.82	1.82	0.0%
1320055136	2022-08-17	0.51	0.47	8.2%	1.81	1.81	0.0%
1313007107	2022-08-17	0.18	0.18	0.0%	0.15	0.15	0.0%
1320055039	2022-08-17	0.66	0.67	1.5%	2.50	2.50	0.0%
1320057121	2022-08-17	0.56	0.55	1.8%	1.57	1.57	0.0%
1313008223	2022-08-18	0.10	0.11	9.5%	0.07	0.07	0.0%
1320055069	2022-08-18	0.36	0.36	0.0%	1.57	1.57	0.0%
1320055114	2022-08-18	0.48	0.47	2.1%	1.70	1.70	0.0%
1320057166	2022-08-18	0.68	0.68	0.0%	1.67	1.67	0.0%
1320057170	2022-08-18	0.50	0.50	0.0%	1.27	1.27	0.0%
1320057342	2022-08-18	0.68	0.68	0.0%	1.75	1.75	0.0%
1320057113	2022-08-18	0.46	0.47	2.2%	2.11	2.11	0.0%
1313008210	2022-08-18	0.19	0.19	0.0%	1.97	1.97	0.0%
1313008608	2022-08-18	0.22	0.22	0.0%	1.63	1.63	0.0%
1320055027	2022-08-18	0.39	0.40	2.5%	1.41	1.41	0.0%
1320055127	2022-08-18	0.62	0.60	3.3%	2.24	2.24	0.0%
1320057047	2022-08-18	0.29	0.28	3.5%	1.58	1.58	0.0%
1320057054	2022-08-18	0.29	0.29	0.0%	0.14	0.14	0.0%
1320057060	2022-08-18	0.47	0.47	0.0%	2.56	2.56	0.0%
1320057130	2022-08-18	0.39	0.39	0.0%	2.61	2.61	0.0%
1320057180	2022-08-18	0.77	0.77	0.0%	1.84	1.84	0.0%
1320057321	2022-08-18	0.63	0.63	0.0%	1.31	1.31	0.0%
1320057334	2022-08-18	0.70	0.72	2.8%	1.22	1.22	0.0%
1320057357	2022-08-18	0.63	0.66	4.7%	1.48	1.48	0.0%
1313008165	2022-08-19	0.40	0.40	0.0%	1.39	1.39	0.0%
1320057070	2022-08-19	0.50	0.51	2.0%	1.04	1.04	0.0%
1320057137	2022-08-19	0.54	0.56	3.6%	1.79	1.79	0.0%
1320057137	2022-08-19	0.54	0.54	0.0%	1.62	1.62	0.0%
1313008194	2022-08-19	0.32	0.32	0.0%	1.78	1.78	0.0%
1320057140	2022-08-20	0.75	0.76	1.3%	2.69	2.69	0.0%
1313008083	2022-08-20	0.20	0.20	0.0%	2.38	2.38	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1313008083	2022-08-20	0.20	0.19	5.1%	2.69	2.69	0.0%
1313008018	2022-08-21	0.37	0.38	2.7%	2.42	2.42	0.0%
1320057011	2022-08-21	0.38	0.38	0.0%	1.46	1.46	0.0%
1320059016	2022-08-21	0.75	0.76	1.3%	1.08	1.08	0.0%
1320059017	2022-08-21	0.77	0.77	0.0%	1.60	1.60	0.0%
1320059115	2022-08-21	0.76	0.76	0.0%	0.68	0.68	0.0%
1320059037	2022-08-21	0.71	0.71	0.0%	0.94	0.94	0.0%
1320059079	2022-08-21	0.60	0.60	0.0%	1.07	1.07	0.0%
1320059097	2022-08-21	1.10	1.10	0.0%	2.83	2.83	0.0%
1320059167	2022-08-21	0.48	0.48	0.0%	0.12	0.12	0.0%
1320059013	2022-08-22	0.60	0.61	1.7%	0.81	0.81	0.0%
1320059054	2022-08-22	0.82	0.81	1.2%	1.65	1.65	0.0%
1320059089	2022-08-22	0.55	0.56	1.8%	0.10	0.10	0.0%
1320060029	2022-08-22	0.88	0.89	1.1%	0.26	0.26	0.0%
1320060043	2022-08-22	0.91	0.90	1.1%	0.31	0.31	0.0%
1320060153	2022-08-22	0.71	0.70	1.4%	1.52	1.52	0.0%
1320059074	2022-08-23	0.63	0.65	3.1%	3.52	3.52	0.0%
1320059140	2022-08-24	0.78	0.79	1.3%	0.08	0.08	0.0%
1320059191	2022-08-24	0.89	0.88	1.1%	1.57	1.57	0.0%
1320061324	2022-08-24	1.09	1.17	7.1%	0.95	0.95	0.0%
1320061324	2022-08-24	1.09	1.10	0.9%	0.93	0.93	0.0%
1320061362	2022-08-24	0.71	0.67	5.8%	0.63	0.63	0.0%
1320061382	2022-08-24	0.45	0.46	2.2%	0.27	0.27	0.0%
1320061385	2022-08-24	0.38	0.39	2.6%	0.38	0.38	0.0%
1320062892	2022-08-24	0.49	0.49	0.0%	0.43	0.43	0.0%
1320062924	2022-08-24	1.26	1.27	0.8%	0.61	0.61	0.0%
1320059855	2022-08-25	0.95	0.95	0.0%	0.09	0.09	0.0%
1320059805	2022-08-25	0.32	0.38	17.1%	1.41	1.41	0.0%
1320060105	2022-08-25	0.70	0.68	2.9%	1.52	1.52	0.0%
1320060145	2022-08-25	0.49	0.47	4.2%	1.57	1.57	0.0%
1320061345	2022-08-25	0.63	0.63	0.0%	0.45	0.45	0.0%
1320059827	2022-08-26	1.00	0.98	2.0%	0.73	0.73	0.0%
1320060080	2022-08-26	0.79	0.79	0.0%	0.64	0.64	0.0%
1320062838	2022-08-26	1.13	1.16	2.6%	0.38	0.38	0.0%
1320062868	2022-08-26	0.51	0.53	3.8%	0.52	0.52	0.0%
1320059832	2022-08-26	0.63	0.62	1.6%	0.93	0.93	0.0%
1320059847	2022-08-26	0.74	0.72	2.7%	0.38	0.38	0.0%
1320062852	2022-08-26	0.55	0.56	1.8%	0.45	0.45	0.0%
1320060003	2022-08-27	0.67	0.65	3.0%	0.61	0.61	0.0%
1320060205	2022-08-27	0.57	0.57	0.0%	0.99	0.99	0.0%
1432026052	2022-08-27	0.70	0.71	1.4%	1.42	1.42	0.0%
1320060078	2022-08-27	0.94	0.94	0.0%	1.19	1.19	0.0%
1320060166	2022-08-27	0.68	0.67	1.5%	1.18	1.18	0.0%
1320060192	2022-08-27	0.56	0.55	1.8%	1.26	1.26	0.0%
1320060192	2022-08-27	0.56	0.56	0.0%	1.24	1.24	0.0%
1320060541	2022-08-27	0.76	0.72	5.4%	0.19	0.19	0.0%
1320060547	2022-08-27	0.78	0.79	1.3%	1.15	1.15	0.0%
1432026003	2022-08-27	0.55	0.55	0.0%	1.46	1.46	0.0%
1432026003	2022-08-27	0.55	0.61	10.3%	1.50	1.50	0.0%
1432026063	2022-08-27	0.47	0.46	2.2%	1.67	1.67	0.0%
1432026104	2022-08-27	0.49	0.51	4.0%	1.04	1.04	0.0%
1320060518	2022-08-28	1.39	1.39	0.0%	4.26	4.26	0.0%
1320060501	2022-08-28	0.04	0.04	0.0%	0.07	0.07	0.0%
1320062917	2022-08-28	0.42	0.41	2.4%	0.23	0.23	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1432026088	2022-08-28	0.69	0.69	0.0%	1.60	1.60	0.0%
1320062875	2022-08-29	0.61	0.60	1.7%	0.56	0.56	0.0%
1432026137	2022-08-29	0.57	0.59	3.4%	1.66	1.66	0.0%
1432026153	2022-08-29	0.36	0.37	2.7%	2.03	2.03	0.0%
1320061636	2022-08-29	1.04	1.03	1.0%	1.12	1.12	0.0%
1432026120	2022-08-29	0.77	0.77	0.0%	1.45	1.45	0.0%
1320062415	2022-08-30	0.56	0.56	0.0%	0.08	0.08	0.0%
1432027220	2022-08-30	0.82	0.82	0.0%	2.51	2.51	0.0%
1432027245	2022-08-30	0.53	0.54	1.9%	2.21	2.21	0.0%
1320062445	2022-08-30	0.48	0.47	2.1%	0.38	0.38	0.0%
1432027259	2022-08-30	0.31	0.32	3.2%	1.73	1.73	0.0%
1432027265	2022-08-30	0.63	0.63	0.0%	1.96	1.96	0.0%
1320060046	2022-08-31	0.89	0.88	1.1%	0.54	0.54	0.0%
1320060046	2022-08-31	0.89	0.82	8.2%	0.40	0.40	0.0%
1320062427	2022-08-31	1.09	1.09	0.0%	0.08	0.08	0.0%
1432027272	2022-08-31	0.66	0.66	0.0%	1.46	1.46	0.0%
1320060076	2022-09-01	0.72	0.70	2.8%	1.08	1.08	0.0%
1432027305	2022-09-01	0.63	0.60	4.9%	1.07	1.07	0.0%
1319060146	2022-09-01	0.78	0.77	1.3%	0.82	0.82	0.0%
1319060268	2022-09-01	0.46	0.46	0.0%	2.29	2.29	0.0%
1319060363	2022-09-01	0.65	0.66	1.5%	1.88	1.88	0.0%
1432027328	2022-09-01	0.62	0.63	1.6%	1.34	1.34	0.0%
1432027343	2022-09-01	0.67	0.68	1.5%	1.69	1.69	0.0%
1313010039	2022-09-02	0.16	0.14	13.3%	1.06	1.06	0.0%
1319060214	2022-09-02	0.73	0.70	4.2%	1.86	1.86	0.0%
1319060274	2022-09-02	0.37	0.36	2.7%	1.70	1.70	0.0%
1319060274	2022-09-02	0.37	0.38	2.7%	1.83	1.83	0.0%
1313010023	2022-09-03	0.42	0.42	0.0%	0.77	0.77	0.0%
1319060054	2022-09-03	0.56	0.56	0.0%	1.64	1.64	0.0%
1319060150	2022-09-03	0.28	0.28	0.0%	1.75	1.75	0.0%
1319060309	2022-09-03	0.47	0.47	0.0%	2.61	2.61	0.0%
1319060339	2022-09-03	0.15	0.15	0.0%	4.75	4.75	0.0%
1431015045	2022-09-03	0.65	0.67	3.0%	1.04	1.04	0.0%
1431015096	2022-09-03	1.02	1.01	1.0%	2.44	2.44	0.0%
1319060025	2022-09-03	0.65	0.66	1.5%	1.76	1.76	0.0%
1319060105	2022-09-03	0.45	0.44	2.2%	1.22	1.22	0.0%
1319060235	2022-09-03	0.43	0.44	2.3%	2.21	2.21	0.0%
1319060277	2022-09-03	0.44	0.43	2.3%	1.83	1.83	0.0%
1319060277	2022-09-03	0.44	0.42	4.7%	2.03	2.03	0.0%
1431015048	2022-09-03	0.43	0.43	0.0%	1.17	1.17	0.0%
1319060184	2022-09-04	0.66	0.68	3.0%	1.73	1.73	0.0%
1319060222	2022-09-04	0.66	0.63	4.7%	1.64	1.64	0.0%
1319060224	2022-09-04	0.38	0.37	2.7%	1.29	1.29	0.0%
1319060290	2022-09-04	0.42	0.43	2.4%	1.37	1.37	0.0%
1431015092	2022-09-04	0.46	0.46	0.0%	1.06	1.06	0.0%
1319060013	2022-09-04	0.60	0.60	0.0%	2.10	2.10	0.0%
1319060042	2022-09-04	0.22	0.22	0.0%	0.75	0.75	0.0%
1319060125	2022-09-04	0.76	0.76	0.0%	2.34	2.34	0.0%
1319060183	2022-09-04	0.96	0.96	0.0%	2.07	2.07	0.0%
1319060033	2022-09-05	0.37	0.35	5.6%	1.49	1.49	0.0%
1319060318	2022-09-05	0.73	0.74	1.4%	3.09	3.09	0.0%
1431014125	2022-09-05	1.34	1.33	0.7%	3.10	3.10	0.0%
1431014104	2022-09-05	0.22	0.22	0.0%	1.16	1.16	0.0%
1431014121	2022-09-05	0.93	0.92	1.1%	3.35	3.35	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1431014138	2022-09-05	0.32	0.33	3.1%	1.21	1.21	0.0%
1317021110	2022-09-05	0.37	0.38	2.7%	2.28	2.28	0.0%
1317021071	2022-09-06	0.29	0.28	3.5%	2.06	2.06	0.0%
1317021100	2022-09-06	0.26	0.26	0.0%	1.94	1.94	0.0%
1317021100	2022-09-06	0.26	0.26	0.0%	1.88	1.88	0.0%
1319061304	2022-09-06	0.29	0.29	0.0%	1.64	1.64	0.0%
1431014028	2022-09-06	0.65	0.64	1.6%	3.62	3.62	0.0%
1431014038	2022-09-06	0.27	0.28	3.6%	7.02	7.02	0.0%
1431014048	2022-09-06	0.25	0.25	0.0%	2.51	2.51	0.0%
1431014112	2022-09-06	1.00	1.01	1.0%	3.58	3.58	0.0%
1431014137	2022-09-06	0.26	0.25	3.9%	1.36	1.36	0.0%
1319061322	2022-09-06	0.06	0.06	0.0%	0.22	0.22	0.0%
1319062448	2022-09-06	0.31	0.32	3.2%	0.31	0.31	0.0%
1431014130	2022-09-06	0.59	0.58	1.7%	1.78	1.78	0.0%
1317022021	2022-09-07	0.42	0.41	2.4%	1.91	1.91	0.0%
1317022079	2022-09-07	0.48	0.51	6.1%	1.86	1.86	0.0%
1319062423	2022-09-07	0.51	0.52	1.9%	0.82	0.82	0.0%
1319061025	2022-09-07	0.29	0.29	0.0%	3.51	3.51	0.0%
1319062047	2022-09-07	0.70	0.70	0.0%	1.57	1.57	0.0%
1317022081	2022-09-08	0.52	0.51	1.9%	1.89	1.89	0.0%
1317022028	2022-09-08	0.46	0.45	2.2%	2.31	2.31	0.0%
1317022092	2022-09-08	0.48	0.47	2.1%	1.68	1.68	0.0%
1319061011	2022-09-08	0.11	0.10	9.5%	0.19	0.19	0.0%
1319061036	2022-09-08	0.63	0.64	1.6%	0.60	0.60	0.0%
1319061092	2022-09-08	0.07	0.07	0.0%	0.10	0.10	0.0%
1319062011	2022-09-09	0.76	0.73	4.0%	2.46	2.46	0.0%
1319061103	2022-09-09	0.22	0.22	0.0%	1.61	1.61	0.0%
1431016404	2022-09-09	0.62	0.57	8.4%	0.71	0.71	0.0%
1431016327	2022-09-09	0.46	0.49	6.3%	1.30	1.30	0.0%
1431016353	2022-09-09	0.50	0.52	3.9%	0.86	0.86	0.0%
1431016385	2022-09-09	0.46	0.46	0.0%	1.18	1.18	0.0%
1431016395	2022-09-09	0.40	0.40	0.0%	1.11	1.11	0.0%
1431016011	2022-09-10	1.14	1.12	1.8%	1.52	1.52	0.0%
1317022017	2022-09-10	0.63	0.62	1.6%	1.92	1.92	0.0%
1317022150	2022-09-10	0.95	0.95	0.0%	1.89	1.89	0.0%
1431016139	2022-09-10	0.50	0.51	2.0%	2.20	2.20	0.0%
1431016182	2022-09-10	0.47	0.48	2.1%	2.27	2.27	0.0%
1317022117	2022-09-11	0.65	0.65	0.0%	1.95	1.95	0.0%
1431016042	2022-09-11	1.10	1.06	3.7%	0.58	0.58	0.0%
1431016202	2022-09-11	0.63	0.63	0.0%	1.73	1.73	0.0%
1317022144	2022-09-11	0.64	0.64	0.0%	2.28	2.28	0.0%
1317022158	2022-09-11	0.39	0.39	0.0%	1.77	1.77	0.0%
1319063090	2022-09-11	0.44	0.44	0.0%	1.18	1.18	0.0%
1431017049	2022-09-11	0.28	0.32	13.3%	1.30	1.30	0.0%
1431017070	2022-09-11	0.11	0.13	16.7%	1.31	1.31	0.0%
1431017070	2022-09-11	0.11	0.09	20.0%	1.35	1.35	0.0%
1431017075	2022-09-12	0.10	0.10	0.0%	2.88	2.88	0.0%
1319063119	2022-09-13	0.40	0.40	0.0%	1.43	1.43	0.0%
1319063129	2022-09-13	0.44	0.44	0.0%	0.26	0.26	0.0%
1319063141	2022-09-13	0.55	0.56	1.8%	1.33	1.33	0.0%
1319063153	2022-09-13	0.39	0.38	2.6%	0.29	0.29	0.0%
1319063125	2022-09-13	0.52	0.53	1.9%	1.33	1.33	0.0%
1319063165	2022-09-13	0.73	0.72	1.4%	0.73	0.73	0.0%
1319063177	2022-09-13	0.47	0.47	0.0%	2.93	2.93	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1319063409	2022-09-13	0.54	0.54	0.0%	0.86	0.86	0.0%
1317023005	2022-09-14	0.27	0.28	3.6%	2.92	2.92	0.0%
1317023057	2022-09-14	0.19	0.18	5.4%	2.01	2.01	0.0%
1319063193	2022-09-14	0.56	0.57	1.8%	0.77	0.77	0.0%
1319063239	2022-09-14	0.89	0.90	1.1%	0.12	0.12	0.0%
1319064430	2022-09-14	0.42	0.45	6.9%	1.20	1.20	0.0%
1317023059	2022-09-14	0.14	0.14	0.0%	2.05	2.05	0.0%
1319063232	2022-09-14	0.81	0.84	3.6%	1.50	1.50	0.0%
1319063417	2022-09-14	0.34	0.35	2.9%	2.47	2.47	0.0%
1319064121	2022-09-14	0.52	0.53	1.9%	1.92	1.92	0.0%
1319064457	2022-09-14	0.40	0.39	2.5%	1.11	1.11	0.0%
1317023028	2022-09-15	0.36	0.36	0.0%	1.31	1.31	0.0%
1317023118	2022-09-15	0.23	0.22	4.4%	1.27	1.27	0.0%
1319064080	2022-09-15	0.21	0.21	0.0%	1.87	1.87	0.0%
1319064126	2022-09-15	0.71	0.71	0.0%	1.31	1.31	0.0%
1317023123	2022-09-16	0.34	0.35	2.9%	1.11	1.11	0.0%
1317023148	2022-09-16	0.46	0.46	0.0%	1.88	1.88	0.0%
1319064046	2022-09-16	0.36	0.37	2.7%	2.22	2.22	0.0%
1319064431	2022-09-16	0.43	0.42	2.4%	1.30	1.30	0.0%
1319064026	2022-09-16	0.25	0.23	8.3%	2.07	2.07	0.0%
1319064145	2022-09-16	0.51	0.54	5.7%	1.23	1.23	0.0%
1319064020	2022-09-17	0.44	0.44	0.0%	1.86	1.86	0.0%
1319064039	2022-09-17	0.50	0.50	0.0%	2.00	2.00	0.0%
1319064054	2022-09-17	0.33	0.33	0.0%	1.82	1.82	0.0%
1319064114	2022-09-17	1.03	1.03	0.0%	1.61	1.61	0.0%
1319067601	2022-09-17	0.38	0.37	2.7%	1.91	1.91	0.0%
1319067807	2022-09-17	0.43	0.43	0.0%	1.32	1.32	0.0%
1319067811	2022-09-17	0.41	0.40	2.5%	1.11	1.11	0.0%
1319067824	2022-09-17	0.55	0.46	17.8%	1.23	1.23	0.0%
1319067831	2022-09-17	0.37	0.37	0.0%	0.95	0.95	0.0%
1319067659	2022-09-18	0.38	0.38	0.0%	0.68	0.68	0.0%
1319067675	2022-09-18	0.35	0.35	0.0%	1.60	1.60	0.0%
1319067670	2022-09-19	0.51	0.51	0.0%	1.70	1.70	0.0%
1319068929	2022-09-20	0.91	0.92	1.1%	1.16	1.16	0.0%
1319068956	2022-09-21	1.35	1.33	1.5%	2.05	2.05	0.0%
1432019013	2022-09-23	0.92	0.94	2.2%	6.74	6.74	0.0%
1432019033	2022-09-23	0.60	0.62	3.3%	2.36	2.36	0.0%
1432019070	2022-09-23	1.49	1.49	0.0%	1.78	1.78	0.0%
1432019106	2022-09-23	0.26	0.27	3.8%	4.39	4.39	0.0%
1432019165	2022-09-24	0.69	0.68	1.5%	2.14	2.14	0.0%
1432019134	2022-09-24	0.92	0.91	1.1%	4.14	4.14	0.0%
1432019154	2022-09-24	1.67	1.64	1.8%	5.85	5.85	0.0%
1432019186	2022-09-24	1.91	1.15	49.7%	3.22	3.22	0.0%
1432019215	2022-09-24	0.72	0.74	2.7%	3.91	3.91	0.0%
1432019141	2022-09-25	0.91	0.91	0.0%	3.92	3.92	0.0%
1432019202	2022-09-25	1.26	1.24	1.6%	1.92	1.92	0.0%
1432019241	2022-09-25	1.39	1.47	5.6%	5.77	5.77	0.0%
1432019276	2022-09-25	2.22	2.19	1.4%	6.74	6.74	0.0%
1319065140	2022-09-25	0.85	0.85	0.0%	0.38	0.38	0.0%
1432019117	2022-09-25	1.36	1.34	1.5%	2.23	2.23	0.0%
1432019129	2022-09-25	0.80	0.77	3.8%	6.12	6.12	0.0%
1319065032	2022-09-26	0.51	0.50	2.0%	0.43	0.43	0.0%
1319065116	2022-09-26	0.64	0.65	1.6%	0.64	0.64	0.0%
1319065138	2022-09-26	0.69	0.69	0.0%	0.31	0.31	0.0%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1319065111	2022-09-27	0.58	0.60	3.4%	0.49	0.49	0.0%
1319065178	2022-09-27	0.63	0.64	1.6%	0.27	0.27	0.0%
1319071156	2022-09-27	0.61	0.60	1.7%	1.76	1.76	0.0%
1319071156	2022-09-27	0.61	0.74	19.3%	1.83	1.83	0.0%
1319065096	2022-09-27	0.69	0.69	0.0%	0.66	0.66	0.0%
1319065175	2022-09-27	0.78	0.84	7.4%	0.74	0.74	0.0%
1319069048	2022-09-28	0.42	0.43	2.4%	1.57	1.57	0.0%
1319069055	2022-09-28	1.20	1.20	0.0%	0.10	0.10	0.0%
1319069077	2022-09-28	0.78	0.78	0.0%	0.12	0.12	0.0%
1319071011	2022-09-28	1.32	1.33	0.8%	1.69	1.69	0.0%
1319071014	2022-09-28	1.14	1.18	3.4%	1.53	1.53	0.0%
1319071046	2022-09-28	0.86	0.86	0.0%	2.29	2.29	0.0%
1319069007	2022-09-28	0.95	0.94	1.1%	0.54	0.54	0.0%
1319069037	2022-09-28	0.50	0.50	0.0%	1.54	1.54	0.0%
1319071027	2022-09-28	0.72	0.71	1.4%	1.31	1.31	0.0%
1319065043	2022-09-29	0.48	0.47	2.1%	0.34	0.34	0.0%
1319065081	2022-09-29	0.39	0.38	2.6%	0.49	0.49	0.0%
1319065301	2022-09-29	0.77	0.78	1.3%	0.60	0.60	0.0%
1319065363	2022-09-29	0.92	0.92	0.0%	0.27	0.27	0.0%
1319070124	2022-09-29	0.50	0.50	0.0%	0.62	0.62	0.0%
1319065107	2022-09-29	0.70	0.70	0.0%	0.49	0.49	0.0%
1319065341	2022-09-29	0.58	0.58	0.0%	0.61	0.61	0.0%
1319065364	2022-09-29	0.63	0.63	0.0%	0.83	0.83	0.0%
1319066020	2022-09-29	0.51	0.52	1.9%	0.07	0.07	0.0%
1319066024	2022-09-29	2.11	2.17	2.8%	0.62	0.62	0.0%
1319066324	2022-09-29	0.83	0.82	1.2%	0.78	0.78	0.0%
1319070141	2022-09-29	0.54	0.53	1.9%	0.27	0.27	0.0%
1319070148	2022-09-29	0.78	0.79	1.3%	1.26	1.26	0.0%
1432019288	2022-09-25	1.61	1.67	3.7%	1.87	1.94	3.7%
1319071033	2022-09-29	1.21	1.21	0.0%	0.95	0.99	4.1%
1319070102	2022-09-30	0.79	0.77	2.6%	1.71	1.92	11.6%
1319070102	2022-09-30	0.79	0.78	1.3%	1.71	1.92	11.6%
1319066027	2022-09-30	0.65	0.66	1.5%	0.80	0.79	1.3%
1319066033	2022-09-30	0.54	0.56	3.6%	0.30	0.30	0.0%
1312002040	2022-10-01	0.15	0.15	0.0%	2.46	2.47	0.4%
1312002119	2022-10-01	0.18	0.18	0.0%	2.17	2.21	1.8%
1319066144	2022-10-01	1.17	1.19	1.7%	2.42	2.46	1.6%
1319070075	2022-10-01	0.52	0.55	5.6%	0.06	0.06	0.0%
1319066136	2022-10-01	0.75	0.76	1.3%	0.74	0.73	1.4%
1319066096	2022-10-01	0.63	0.63	0.0%	0.10	0.10	0.0%
1319066113	2022-10-01	0.90	0.90	0.0%	0.19	0.20	5.1%
1312002038	2022-10-02	0.22	0.22	0.0%	2.17	2.17	0.0%
1319066151	2022-10-02	0.15	0.15	0.0%	1.09	1.05	3.7%
1319070501	2022-10-03	0.58	0.56	3.5%	0.25	0.23	8.3%
1319070506	2022-10-04	0.87	0.87	0.0%	1.45	1.44	0.7%
1318002182	2022-10-04	0.12	0.12	0.0%	0.36	0.37	2.7%
1318002365	2022-10-04	0.25	0.25	0.0%	8.95	8.79	1.8%
1318002381	2022-10-04	0.16	0.16	0.0%	1.24	1.31	5.5%
1312003421	2022-10-06	0.28	0.28	0.0%	1.99	1.94	2.5%
1312003461	2022-10-06	0.18	0.19	5.4%	0.08	0.08	0.0%
1312003431	2022-10-06	0.25	0.25	0.0%	1.72	1.69	1.8%
1312003450	2022-10-06	0.22	0.23	4.4%	2.40	2.33	3.0%
1312003450	2022-10-06	0.22	0.17	25.6%	2.40	2.33	3.0%
1312003161	2022-10-07	0.12	0.11	8.7%	6.59	6.53	0.9%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1431022138	2022-10-08	0.44	0.45	2.2%	1.96	1.84	6.3%
1312004141	2022-10-08	0.58	0.57	1.7%	1.57	1.69	7.4%
1431022047	2022-10-08	1.09	1.08	0.9%	1.47	1.53	4.0%
1431022075	2022-10-08	1.05	1.07	1.9%	1.36	1.31	3.7%
1432028281	2022-10-10	1.15	1.16	0.9%	1.24	1.25	0.8%
1432028281	2022-10-10	1.15	1.08	6.3%	1.24	1.25	0.8%
1432028300	2022-10-10	1.13	1.12	0.9%	1.19	1.21	1.7%
1432028272	2022-10-10	0.96	0.95	1.0%	1.64	1.62	1.2%
1432028115	2022-10-11	0.84	0.83	1.2%	1.41	1.35	4.3%
1432028216	2022-10-11	1.00	1.01	1.0%	1.57	1.57	0.0%
1318004125	2022-10-11	0.46	0.44	4.4%	2.08	2.07	0.5%
1312003405	2022-10-11	0.14	0.14	0.0%	5.79	5.77	0.3%
1318004167	2022-10-11	0.55	0.56	1.8%	1.61	1.62	0.6%
1432028205	2022-10-12	1.01	1.02	1.0%	1.51	1.54	2.0%
1318004032	2022-10-12	0.23	0.23	0.0%	1.61	1.66	3.1%
1318004096	2022-10-12	0.45	0.44	2.2%	1.32	1.35	2.2%
1318004008	2022-10-13	0.58	0.57	1.7%	0.69	0.69	0.0%
1312004081	2022-10-14	0.14	0.15	6.9%	3.29	3.32	0.9%
1312004108	2022-10-15	0.21	0.21	0.0%	1.98	1.99	0.5%
1318005091	2022-10-16	0.29	0.29	0.0%	2.88	2.80	2.8%
1318006134	2022-10-16	0.66	0.63	4.7%	1.56	1.58	1.3%
1318006263	2022-10-16	0.26	0.26	0.0%	1.21	1.21	0.0%
1318005005	2022-10-16	0.67	0.66	1.5%	1.31	1.29	1.5%
1318005010	2022-10-16	0.62	0.62	0.0%	2.98	2.98	0.0%
1318006304	2022-10-16	0.44	0.44	0.0%	1.21	1.25	3.3%
1318005066	2022-10-17	0.08	0.08	0.0%	0.11	0.11	0.0%
1318005066	2022-10-17	0.08	0.08	0.0%	0.11	0.11	0.0%
1318005057	2022-10-17	0.23	0.23	0.0%	4.70	4.72	0.4%
1318005117	2022-10-17	0.52	0.50	3.9%	2.69	2.72	1.1%
1318005020	2022-10-17	0.11	0.11	0.0%	0.12	0.13	8.0%
1318005146	2022-10-17	0.45	0.45	0.0%	1.19	1.19	0.0%
1318005146	2022-10-17	0.45	0.31	36.8%	1.19	1.19	0.0%
1318005173	2022-10-17	0.18	0.18	0.0%	0.78	0.80	2.5%
1318005131	2022-10-17	0.38	0.38	0.0%	4.56	4.59	0.7%
1318005167	2022-10-18	0.25	0.25	0.0%	0.24	0.25	4.1%
1318005153	2022-10-18	0.71	0.71	0.0%	1.60	1.60	0.0%
1312005032	2022-10-19	0.26	0.26	0.0%	1.29	1.30	0.8%
1312005030	2022-10-21	0.84	0.85	1.2%	0.76	0.77	1.3%
1431023098	2022-10-23	1.43	1.43	0.0%	1.76	1.77	0.6%
1318006003	2022-10-24	0.56	0.55	1.8%	0.96	0.98	2.1%
1318006397	2022-10-24	0.21	0.21	0.0%	0.44	0.47	6.6%
1318007624	2022-10-24	0.71	0.71	0.0%	0.63	0.63	0.0%
1431023377	2022-10-24	2.20	2.23	1.4%	1.59	1.60	0.6%
1318012223	2022-10-25	0.20	0.22	9.5%	0.88	0.87	1.1%
13180120244	2022-10-25	0.16	0.16	0.0%	1.01	0.99	2.0%
13180120207	2022-10-26	0.22	0.22	0.0%	1.30	1.32	1.5%
1318003048	2022-10-26	0.41	0.41	0.0%	1.19	1.29	8.1%
13180120114	2022-10-26	0.21	0.21	0.0%	2.65	3.00	12.4%
1318003140	2022-10-26	0.26	0.27	3.8%	0.95	0.93	2.1%
1318003009	2022-10-27	0.86	0.86	0.0%	1.66	1.65	0.6%
1318003095	2022-10-27	0.78	0.79	1.3%	0.58	0.57	1.7%
1318003149	2022-10-27	0.56	0.56	0.0%	1.77	1.77	0.0%
1430001091	2022-10-28	1.36	1.35	0.7%	3.49	3.55	1.7%
13180120101	2022-10-28	0.26	0.26	0.0%	1.32	1.29	2.3%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
13180120146	2022-10-28	0.20	0.22	9.5%	1.00	1.08	7.7%
13180120094	2022-10-28	0.55	0.55	0.0%	1.35	1.32	2.2%
13180120173	2022-10-28	0.28	0.28	0.0%	0.90	0.93	3.3%
13180120013	2022-10-28	0.86	0.85	1.2%	1.32	1.31	0.8%
13180120077	2022-10-29	0.44	0.43	2.3%	1.69	1.66	1.8%
13180120019	2022-10-29	0.44	0.43	2.3%	2.05	2.08	1.5%
1430001094	2022-10-30	1.04	1.06	1.9%	3.56	3.57	0.3%
13180120009	2022-10-30	0.72	0.73	1.4%	1.92	1.94	1.0%
13180120046	2022-10-30	0.27	0.29	7.1%	1.53	1.44	6.1%
13180120001	2022-10-30	0.30	0.29	3.4%	2.41	2.47	2.5%
1318006720	2022-10-31	0.77	0.75	2.6%	0.28	0.27	3.6%
1430001019	2022-10-31	1.37	1.40	2.2%	3.40	3.45	1.5%
1430001114	2022-10-31	0.52	0.53	1.9%	1.18	1.11	6.1%
1430001121	2022-10-31	1.11	1.12	0.9%	1.07	1.04	2.8%
1430001122	2022-10-31	0.80	0.81	1.2%	1.34	1.35	0.7%
1430001168	2022-11-01	1.47	1.47	0.0%	1.91	1.85	3.2%
1430001050	2022-11-01	1.20	1.20	0.0%	1.45	1.48	2.0%
1431027149	2022-11-01	1.04	1.02	1.9%	1.76	1.77	0.6%
1431027149	2022-11-01	1.04	1.14	9.2%	1.76	1.77	0.6%
1318011005	2022-11-02	0.34	0.34	0.0%	1.69	1.67	1.2%
1318011025	2022-11-02	0.29	0.32	9.8%	0.92	0.91	1.1%
1431027068	2022-11-02	1.13	1.15	1.8%	2.14	2.12	0.9%
1431027085	2022-11-02	1.12	1.12	0.0%	1.84	1.80	2.2%
1431027059	2022-11-03	0.78	0.78	0.0%	1.93	1.85	4.2%
1431027155	2022-11-03	0.86	0.87	1.2%	1.56	1.56	0.0%
1431027176	2022-11-03	0.23	0.22	4.4%	0.98	0.97	1.0%
1431027230	2022-11-03	0.55	0.56	1.8%	1.39	1.43	2.8%
1431027038	2022-11-03	0.85	0.86	1.2%	1.80	1.87	3.8%
1431024019	2022-11-04	0.93	0.92	1.1%	1.20	1.20	0.0%
1431024038	2022-11-04	1.11	1.12	0.9%	1.42	1.43	0.7%
1431027117	2022-11-04	0.11	0.14	24.0%	2.59	2.60	0.4%
1431027162	2022-11-04	0.19	0.19	0.0%	0.51	0.55	7.5%
1431024046	2022-11-04	1.05	1.06	0.9%	4.43	4.43	0.0%
1431027002	2022-11-04	0.47	0.48	2.1%	1.64	1.58	3.7%
1431027078	2022-11-04	0.11	0.11	0.0%	0.77	0.76	1.3%
1318011011	2022-11-04	0.27	0.27	0.0%	0.19	0.19	0.0%
1431024158	2022-11-06	1.41	1.47	4.2%	2.45	2.44	0.4%
1318013327	2022-11-06	0.56	0.55	1.8%	1.88	1.87	0.5%
1431024181	2022-11-07	1.67	1.66	0.6%	2.48	2.42	2.4%
1431028008	2022-11-07	0.93	0.93	0.0%	1.18	1.16	1.7%
1431028012	2022-11-07	0.44	0.44	0.0%	0.88	0.86	2.3%
1431028016	2022-11-07	0.54	0.55	1.8%	1.31	1.28	2.3%
1312007033	2022-11-07	0.23	0.23	0.0%	0.96	0.97	1.0%
1312007038	2022-11-07	0.16	0.16	0.0%	1.21	1.15	5.1%
1312006040	2022-11-07	0.21	0.20	4.9%	0.24	0.22	8.7%
1318010022	2022-11-07	0.72	0.72	0.0%	0.45	0.48	6.5%
1318010061	2022-11-07	0.45	0.45	0.0%	1.44	1.45	0.7%
1318010087	2022-11-07	0.26	0.27	3.8%	1.19	1.23	3.3%
1318016676	2022-11-08	0.26	0.26	0.0%	0.46	0.45	2.2%
1431024193	2022-11-08	1.77	1.73	2.3%	4.07	4.05	0.5%
1431024807	2022-11-08	0.51	0.52	1.9%	1.02	1.05	2.9%
1312006619	2022-11-08	0.15	0.16	6.5%	0.73	0.75	2.7%
1318016659	2022-11-08	0.56	0.56	0.0%	0.74	0.73	1.4%
1431024824	2022-11-08	0.43	0.43	0.0%	1.82	1.72	5.6%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1431025672	2022-11-08	1.08	1.08	0.0%	2.85	2.81	1.4%
1431025712	2022-11-08	0.43	0.43	0.0%	1.25	1.22	2.4%
1431025742	2022-11-08	0.39	0.40	2.5%	2.19	2.20	0.5%
1431025793	2022-11-08	0.84	0.83	1.2%	1.25	1.31	4.7%
1431025735	2022-11-09	0.55	0.55	0.0%	3.19	3.21	0.6%
1431025625	2022-11-09	0.67	0.66	1.5%	1.83	1.74	5.0%
1431025629	2022-11-09	0.39	0.40	2.5%	5.50	5.58	1.4%
1318008004	2022-11-09	0.89	0.89	0.0%	0.17	0.17	0.0%
1312006304	2022-11-09	0.19	0.19	0.0%	1.83	1.86	1.6%
1431025416	2022-11-10	1.00	1.00	0.0%	1.19	1.18	0.8%
1318008851	2022-11-10	1.01	1.01	0.0%	0.15	0.14	6.9%
1318014015	2022-11-10	1.10	1.10	0.0%	1.83	1.84	0.5%
1318014066	2022-11-10	0.96	0.95	1.0%	2.10	2.15	2.4%
1431025433	2022-11-11	0.82	0.81	1.2%	1.15	1.18	2.6%
1318014056	2022-11-11	1.18	1.19	0.8%	1.80	1.84	2.2%
1318008034	2022-11-11	0.49	0.49	0.0%	0.33	0.33	0.0%
1317026150	2022-11-11	0.21	0.20	4.9%	1.04	1.04	0.0%
1318008824	2022-11-13	0.70	0.69	1.4%	1.38	1.37	0.7%
1318008829	2022-11-13	0.70	0.70	0.0%	1.30	1.29	0.8%
1317026017	2022-11-13	0.35	0.36	2.8%	1.46	1.47	0.7%
1317026024	2022-11-13	0.21	0.21	0.0%	1.72	1.69	1.8%
1317028317	2022-11-13	0.33	0.32	3.1%	1.32	1.32	0.0%
1318008836	2022-11-13	0.87	0.87	0.0%	2.31	2.28	1.3%
1317028374	2022-11-13	0.46	0.45	2.2%	3.31	3.21	3.1%
1318008042	2022-11-14	0.72	0.73	1.4%	0.48	0.48	0.0%
1318008810	2022-11-14	0.47	0.45	4.3%	0.29	0.30	3.4%
1317026099	2022-11-14	1.01	1.01	0.0%	1.70	1.73	1.7%
1317026105	2022-11-14	0.59	0.58	1.7%	3.69	3.75	1.6%
1317026121	2022-11-14	0.83	0.83	0.0%	1.78	1.79	0.6%
1317028393	2022-11-16	0.15	0.15	0.0%	1.51	1.54	2.0%
1317026174	2022-11-16	0.34	0.34	0.0%	1.26	1.24	1.6%
1317025529	2022-11-16	0.34	0.33	3.0%	3.27	3.20	2.2%
1317025529	2022-11-16	0.34	0.21	47.3%	3.27	3.20	2.2%
1317025544	2022-11-16	0.33	0.34	3.0%	1.29	1.29	0.0%
1317025552	2022-11-16	0.15	0.15	0.0%	2.28	2.29	0.4%
1317025558	2022-11-16	0.25	0.23	8.3%	1.26	1.34	6.2%
1317025571	2022-11-16	0.37	0.36	2.7%	2.86	2.84	0.7%
1317028310	2022-11-16	0.32	0.32	0.0%	1.07	1.07	0.0%
1317028326	2022-11-16	0.35	0.35	0.0%	1.68	1.65	1.8%
1317028331	2022-11-16	0.51	0.52	1.9%	2.87	2.86	0.3%
1317026059	2022-11-17	0.52	0.51	1.9%	1.73	1.75	1.1%
1317025499	2022-11-17	0.29	0.29	0.0%	1.50	1.49	0.7%
1317025523	2022-11-17	0.20	0.20	0.0%	1.66	1.69	1.8%
1317025464	2022-11-17	0.45	0.45	0.0%	1.93	1.92	0.5%
1317025464	2022-11-17	0.45	0.50	10.5%	1.93	1.92	0.5%
1317025422	2022-11-17	0.75	0.75	0.0%	1.65	1.67	1.2%
1317025425	2022-11-17	0.44	0.53	18.6%	1.48	1.51	2.0%
1317025425	2022-11-17	0.44	0.45	2.2%	1.48	1.51	2.0%
1317025408	2022-11-18	0.42	0.41	2.4%	2.33	2.36	1.3%
1317025428	2022-11-18	0.29	0.28	3.5%	1.88	1.86	1.1%
1317026092	2022-11-18	0.34	0.34	0.0%	1.46	1.45	0.7%
1431030153	2022-11-19	0.99	0.99	0.0%	1.12	1.09	2.7%
1432030127	2022-11-19	1.40	1.39	0.7%	0.14	0.14	0.0%
1431030084	2022-11-20	0.49	0.49	0.0%	1.25	1.27	1.6%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1431030128	2022-11-20	0.75	0.76	1.3%	1.45	1.51	4.1%
1431030141	2022-11-20	0.83	0.80	3.7%	0.90	0.89	1.1%
1431030414	2022-11-20	0.70	0.71	1.4%	0.69	0.69	0.0%
1431030056	2022-11-21	0.68	0.68	0.0%	1.12	1.11	0.9%
1431030066	2022-11-21	1.04	1.04	0.0%	1.73	1.79	3.4%
1431030066	2022-11-21	1.04	0.99	4.9%	1.73	1.79	3.4%
1431030065	2022-11-21	0.82	0.81	1.2%	1.28	1.22	4.8%
1432030010	2022-11-21	0.90	0.89	1.1%	1.39	1.45	4.2%
1432030053	2022-11-21	1.71	1.71	0.0%	1.14	1.26	10.0%
1432030053	2022-11-21	1.71	1.55	9.8%	1.14	1.26	10.0%
1431030053	2022-11-22	0.91	0.89	2.2%	1.45	1.39	4.2%
1318015177	2022-11-23	0.96	0.94	2.1%	1.22	1.25	2.4%
1318015182	2022-11-23	0.59	0.61	3.3%	0.40	0.45	11.8%
1431030027	2022-11-23	0.63	0.62	1.6%	1.22	1.22	0.0%
1318015114	2022-11-27	0.66	0.67	1.5%	0.59	0.59	0.0%
1317027185	2022-11-27	0.58	0.57	1.7%	1.62	1.69	4.2%
1317027226	2022-11-27	0.99	0.97	2.0%	1.16	1.15	0.9%
1318015041	2022-11-27	1.02	1.02	0.0%	1.13	1.16	2.6%
1311002030	2022-11-28	0.25	0.24	4.1%	1.74	1.68	3.5%
1318015122	2022-11-28	0.83	0.82	1.2%	0.10	0.15	40.0%
1317027045	2022-11-28	0.47	0.50	6.2%	1.80	1.86	3.3%
1317027117	2022-11-28	0.36	0.34	5.7%	0.93	0.93	0.0%
1311002033	2022-11-28	0.20	0.20	0.0%	2.11	2.14	1.4%
1318015060	2022-11-28	0.65	0.66	1.5%	0.38	0.38	0.0%
1311002002	2022-11-29	0.12	0.12	0.0%	2.37	2.36	0.4%
1311002011	2022-11-29	0.17	0.17	0.0%	2.33	2.32	0.4%
1311002438	2022-11-30	0.13	0.13	0.0%	1.22	1.24	1.6%
1311002410	2022-11-30	0.10	0.10	0.0%	2.06	2.03	1.5%
1317036063	2022-12-01	0.51	0.52	1.9%	1.25	1.26	0.8%
1431034019	2022-12-02	1.00	0.98	2.0%	0.88	0.86	2.3%
1431034096	2022-12-02	1.01	1.01	0.0%	1.76	1.82	3.4%
1431034100	2022-12-02	1.13	1.16	2.6%	2.87	2.86	0.3%
1431034156	2022-12-02	1.21	1.22	0.8%	3.10	3.10	0.0%
1317036167	2022-12-03	0.41	0.42	2.4%	1.57	1.66	5.6%
1431030031	2022-12-03	0.79	0.79	0.0%	1.01	1.03	2.0%
1311003082	2022-12-04	0.15	0.14	6.9%	2.52	2.47	2.0%
91431030055	2022-12-05	0.89	0.90	1.1%	1.11	1.21	8.6%
91431030142	2022-12-05	0.67	0.66	1.5%	1.09	1.05	3.7%
91431030057	2022-12-05	1.02	1.03	1.0%	1.35	1.43	5.8%
91431030129	2022-12-05	1.19	1.19	0.0%	1.44	1.56	8.0%
1318017041	2022-12-05	0.39	0.39	0.0%	0.14	0.14	0.0%
1318017056	2022-12-06	0.68	0.69	1.5%	0.75	0.70	6.9%
1318017073	2022-12-06	0.57	0.57	0.0%	0.42	0.43	2.4%
1318017086	2022-12-06	0.66	0.67	1.5%	0.41	0.41	0.0%
1318017100	2022-12-06	1.11	1.04	6.5%	0.13	0.14	7.4%
1318018033	2022-12-06	0.52	0.51	1.9%	0.28	0.29	3.5%
1318018054	2022-12-06	0.48	0.47	2.1%	0.19	0.19	0.0%
1318018072	2022-12-06	0.57	0.57	0.0%	0.41	0.42	2.4%
1318018075	2022-12-06	0.59	0.58	1.7%	0.90	0.91	1.1%
1318018089	2022-12-06	0.47	0.48	2.1%	0.28	0.31	10.2%
1311004074	2022-12-06	0.13	0.14	7.4%	1.51	1.54	2.0%
1311003612	2022-12-07	0.35	0.35	0.0%	3.78	3.74	1.1%
1318018062	2022-12-07	0.49	0.49	0.0%	0.65	0.66	1.5%
1311004125	2022-12-08	0.14	0.14	0.0%	2.14	2.13	0.5%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1311004072	2022-12-09	0.16	0.16	0.0%	1.80	1.75	2.8%
1432078017	2022-12-09	0.82	0.86	4.8%	1.81	1.82	0.6%
1432078025	2022-12-09	0.35	0.35	0.0%	2.10	2.12	0.9%
1432078044	2022-12-09	0.97	1.03	6.0%	2.44	2.66	8.6%
1432078062	2022-12-09	0.28	0.29	3.5%	1.69	1.75	3.5%
1432078082	2022-12-09	0.17	0.15	12.5%	0.56	0.57	1.8%
1432078116	2022-12-09	1.18	1.17	0.9%	2.39	2.39	0.0%
1432078009	2022-12-09	0.39	0.37	5.3%	2.35	2.36	0.4%
1432078016	2022-12-09	0.77	0.85	9.9%	1.85	1.89	2.1%
1318012139	2022-12-09	0.38	0.38	0.0%	2.79	2.68	4.0%
1318019047	2022-12-10	0.79	0.79	0.0%	0.51	0.52	1.9%
1318019052	2022-12-10	0.72	0.77	6.7%	1.17	1.16	0.9%
1318019009	2022-12-10	0.66	0.71	7.3%	0.35	0.36	2.8%
1318019016	2022-12-10	0.65	0.60	8.0%	0.28	0.28	0.0%
1431034104	2022-12-12	1.36	1.35	0.7%	1.09	1.08	0.9%
1430012005	2022-12-12	0.50	0.52	3.9%	1.22	1.25	2.4%
1430012014	2022-12-12	0.57	0.54	5.4%	1.59	1.61	1.3%
1317040208	2022-12-12	0.60	0.58	3.4%	0.44	0.43	2.3%
1317037066	2022-12-12	0.47	0.48	2.1%	0.71	0.71	0.0%
1430012031	2022-12-13	0.69	0.69	0.0%	1.58	1.51	4.5%
1430012038	2022-12-13	0.17	0.17	0.0%	1.74	1.69	2.9%
1430012040	2022-12-13	0.16	0.14	13.3%	1.68	1.53	9.3%
1317040133	2022-12-13	0.32	0.31	3.2%	1.17	1.20	2.5%
1430012047	2022-12-13	0.73	0.74	1.4%	1.86	1.77	5.0%
1431034008	2022-12-13	2.09	2.12	1.4%	0.77	0.75	2.6%
1431034053	2022-12-13	2.08	2.14	2.8%	0.27	0.28	3.6%
1431034062	2022-12-14	1.89	1.90	0.5%	0.21	0.21	0.0%
1431034262	2022-12-14	1.56	1.57	0.6%	0.90	0.95	5.4%
1431034002	2022-12-14	2.67	2.75	3.0%	0.64	0.64	0.0%
1431034277	2022-12-14	1.75	1.72	1.7%	1.45	1.48	2.0%
1431034195	2022-12-15	2.26	2.26	0.0%	1.50	1.42	5.5%
1431034203	2022-12-15	1.55	1.55	0.0%	0.65	0.63	3.1%
1431040085	2022-12-15	0.33	0.32	3.1%	1.86	1.86	0.0%
1431040117	2022-12-15	1.23	1.23	0.0%	1.37	1.37	0.0%
1317040014	2022-12-15	0.50	0.50	0.0%	1.84	1.87	1.6%
1317040089	2022-12-15	0.49	0.49	0.0%	2.23	2.18	2.3%
1317040122	2022-12-15	0.45	0.46	2.2%	0.44	0.44	0.0%
1431040198	2022-12-16	0.83	0.83	0.0%	1.75	1.75	0.0%
1431040209	2022-12-16	1.08	1.11	2.7%	2.22	2.13	4.1%
1431040704	2022-12-17	0.99	0.98	1.0%	1.49	1.55	3.9%
1431040180	2022-12-17	0.56	0.56	0.0%	1.89	1.92	1.6%
1317040193	2022-12-17	0.46	0.45	2.2%	0.85	0.85	0.0%
1431040725	2022-12-17	0.62	0.63	1.6%	1.95	1.92	1.6%
1317039310	2022-12-17	0.64	0.63	1.6%	2.67	2.70	1.1%
1317040153	2022-12-18	0.47	0.46	2.2%	1.10	1.14	3.6%
1431040030	2022-12-18	0.74	0.74	0.0%	1.12	1.12	0.0%
1317038481	2022-12-18	0.36	0.35	2.8%	0.94	0.93	1.1%
1431040102	2022-12-18	0.18	0.18	0.0%	1.25	1.23	1.6%
1317038123	2022-12-18	0.29	0.29	0.0%	1.24	1.28	3.2%
1317040110	2022-12-18	0.16	0.16	0.0%	0.26	0.30	14.3%
1431040192	2022-12-18	0.83	0.83	0.0%	1.77	1.78	0.6%
1317034006	2022-12-18	0.37	0.36	2.7%	3.61	3.51	2.8%
1431040165	2022-12-19	0.50	0.51	2.0%	2.70	2.67	1.1%
1317034026	2022-12-19	0.36	0.37	2.7%	2.76	2.73	1.1%

Appendix A-1: Carbon and Sulfur Duplicate Data from Rainy River Mine Onsite LECO Facility

Sample Site Name	Sample Date	Total Carbon (wt.%)	Total Carbon Duplicate (wt.%)	Carbon Relative Percent Difference (RPD)	Total Sulfur (wt.%)	Total Sulfur Duplicate (wt.%)	Sulfur Relative Percent Difference (RPD)
1317034056	2022-12-19	0.48	0.49	2.1%	2.51	2.41	4.1%
1317029088	2022-12-20	0.34	0.33	3.0%	0.88	0.88	0.0%
1317039016	2022-12-20	0.19	0.20	5.1%	0.42	0.44	4.7%
1317038014	2022-12-20	0.88	0.87	1.1%	1.50	1.50	0.0%
1317034121	2022-12-20	0.78	0.77	1.3%	2.30	2.36	2.6%
1317042031	2022-12-21	0.64	0.65	1.6%	2.68	2.72	1.5%
1317042110	2022-12-21	0.45	0.44	2.2%	0.82	0.83	1.2%
1317029137	2022-12-21	0.34	0.35	2.9%	0.53	0.49	7.8%
1317039023	2022-12-21	0.26	0.27	3.8%	2.12	2.07	2.4%
1317042008	2022-12-21	0.38	0.37	2.7%	1.72	1.73	0.6%
1317033034	2022-12-22	0.57	0.56	1.8%	1.55	1.55	0.0%
1317034131	2022-12-22	0.61	0.62	1.6%	2.05	2.06	0.5%
1317042038	2022-12-22	0.75	0.75	0.0%	1.61	1.64	1.8%
1317042060	2022-12-22	1.00	1.00	0.0%	1.82	1.84	1.1%
1317033017	2022-12-22	0.45	0.46	2.2%	1.14	1.13	0.9%
1317033106	2022-12-23	0.47	0.42	11.2%	1.89	1.89	0.0%
1311006047	2022-12-23	0.08	0.08	0.0%	0.66	0.66	0.0%
1317030029	2022-12-23	0.31	0.33	6.3%	0.63	0.62	1.6%
1317030030	2022-12-23	0.68	0.71	4.3%	1.20	1.23	2.5%
1317030067	2022-12-23	0.29	0.27	7.1%	1.97	1.96	0.5%
1317030074	2022-12-23	0.29	0.28	3.5%	0.67	0.65	3.0%
1317033001	2022-12-24	0.48	0.48	0.0%	0.64	0.63	1.6%
1317033042	2022-12-24	0.70	0.69	1.4%	0.28	0.23	19.6%
1317031032	2022-12-24	0.16	0.16	0.0%	1.11	1.09	1.8%
1317031043	2022-12-25	0.22	0.21	4.7%	0.84	0.87	3.5%
1317031059	2022-12-25	0.26	0.27	3.8%	0.84	0.89	5.8%
1317033312	2022-12-25	0.37	0.36	2.7%	1.17	1.10	6.2%
1317031016	2022-12-25	0.22	0.22	0.0%	1.38	1.36	1.5%
1317031080	2022-12-25	0.30	0.30	0.0%	1.35	1.37	1.5%
1317031121	2022-12-25	0.34	0.35	2.9%	0.80	0.80	0.0%
1317031084	2022-12-25	0.37	0.37	0.0%	0.79	0.78	1.3%
1317031152	2022-12-25	0.79	0.74	6.5%	0.98	0.98	0.0%
1430010064	2022-12-26	1.20	1.19	0.8%	1.70	1.69	0.6%
1430010090	2022-12-26	1.54	1.62	5.1%	2.65	2.56	3.5%
1430010114	2022-12-26	1.70	1.69	0.6%	3.01	3.10	2.9%
1317031140	2022-12-26	0.91	0.91	0.0%	0.82	0.83	1.2%
1317041051	2022-12-26	0.76	0.76	0.0%	2.63	2.58	1.9%
1430010068	2022-12-26	1.29	1.28	0.8%	1.31	1.29	1.5%
1317041209	2022-12-27	0.87	0.86	1.2%	1.64	1.56	5.0%
1317041100	2022-12-27	0.34	0.34	0.0%	1.92	1.86	3.2%
1317051004	2022-12-27	0.96	0.94	2.1%	1.68	1.68	0.0%
1317030018	2022-12-28	0.25	0.24	4.1%	0.82	0.79	3.7%
1317030021	2022-12-28	0.52	0.52	0.0%	2.21	2.20	0.5%
1430014046	2022-12-30	0.99	1.00	1.0%	1.07	1.01	5.8%
1430014096	2022-12-30	1.40	1.38	1.4%	7.68	7.83	1.9%

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1319021111	2022-03-16	0.18	1.36	14	43	0.34	10	42	0.23
1319021179	2022-03-16	0.50	2.03	40	63	0.63	36	56	0.64
1319021183	2022-03-16	0.14	1.07	11	33	0.34	12	32	0.38
1319021189	2022-03-16	0.24	1.15	19	36	0.53	15	31	0.46
1319022009	2022-03-16	0.15	1.99	12	62	0.19	7	59.3	0.11
1319023282	2022-03-16	0.19	2.60	15	81.3	0.19	9.44	75.8	0.12
1319023312	2022-03-16	0.11	0.10	9	3.1	2.82	7	1.9	3.62
1319046060	2022-03-16	0.21	0.60	17	18.8	0.90	13	16.9	0.76
1319046177	2022-03-16	0.25	1.27	20	40	0.50	17	31.3	0.53
1319046404	2022-03-16	0.11	1.27	9	40	0.22	5	38	0.13
1319046416	2022-03-16	0.21	0.74	17	23	0.73	10	20.28	0.49
1319048073	2022-03-16	0.14	1.73	11	54	0.21	25	47	0.53
1319048075	2022-03-16	0.12	1.88	10	59	0.16	8	51	0.16
1319048124	2022-03-16	0.15	1.42	12	44	0.27	9.26	38.0	0.24
1319050022	2022-03-16	0.09	0.19	7	6	1.21	7	4	1.68
1319050038	2022-03-16	0.15	0.83	12	25.9	0.46	10	21	0.47
1319050126	2022-03-16	0.10	0.14	8	4	1.83	6.06	3	2.24
1319050134	2022-03-16	0.09	0.12	7	4	1.92	4	2	1.76
1319050150	2022-03-16	0.17	2.14	14	67	0.20	9	60.0	0.15
1319050170	2022-03-16	0.21	1.33	17	42	0.40	6.92	38.5	0.18
1319050251	2022-03-16	0.18	0.84	14	26	0.55	8	22	0.34
1320011159	2022-03-16	0.08	1.30	6	41	0.16	8	37	0.23
1320011186	2022-03-16	0.11	1.18	9	37	0.24	8.74	34.06	0.26
1320011195	2022-03-16	0.13	1.67	10	52	0.20	9	46	0.21
1320011196	2022-03-16	0.19	0.99	15	30.9	0.49	13	30.1	0.42
1320011206	2022-03-16	0.38	0.89	30	28	1.09	32	24	1.30
1320011227	2022-03-16	0.17	1.80	14	56.3	0.24	11	53	0.21
1320011230	2022-03-16	0.44	2.61	35	81.56	0.43	29	74	0.39
1320011249	2022-03-16	0.18	2.45	14	77	0.19	9	71.2	0.12
1320012014	2022-03-16	0.30	2.66	24	83	0.29	9	75.0	0.12
1320012087	2022-03-16	0.17	2.08	14	65	0.21	5	61	0.08
1320013001	2022-03-16	0.11	0.68	9	21	0.41	7	19	0.38
1320013006	2022-03-16	0.06	0.88	5	28	0.17	7	24	0.31
1320013007	2022-03-16	0.09	1.48	7	46	0.16		42.6	0.00
1320013067	2022-03-16	0.15	1.06	12	33.1	0.36	14	31	0.46
1320013125	2022-03-16	0.62	2.59	50	81	0.61	41	72	0.57
1320013131	2022-03-16	0.20	1.34	16	42	0.38	10	39	0.25
1320013198	2022-03-16	0.53	1.94	42	61	0.70	34	58	0.59
1320013272	2022-03-16	0.40	2.07	32	65	0.50	31	58.5	0.53
1320013283	2022-03-16	0.11	0.17	9	5	1.66	1	5.2	0.24
1320013319	2022-03-16	0.50	2.51	40	78	0.51	32	66.6	0.49
1320013334	2022-03-16	0.30	2.56	24	80	0.30	14.2	72	0.20
1320013349	2022-03-16	0.28	0.94	22	29	0.76	12	27	0.44
1320015037	2022-03-16	0.76	1.89	61	59	1.03	58.4	51.98	1.12
1320015115	2022-03-16	0.60	2.66	48	83	0.58	40	68	0.59
1320015197	2022-03-16	0.76	1.45	61	45	1.34	60.3	50	1.21
1320016051	2022-03-16	0.36	1.07	29	33	0.86	21	30	0.70
1320016098	2022-03-16	0.36	0.70	29	21.9	1.32	21.1	17	1.25
1320016134	2022-03-16	0.63	0.90	50	28	1.79	41	22	1.86
1320016143	2022-03-16	0.18	0.51	14	16	0.90	10	15	0.68
1320016144	2022-03-16	0.14	0.51	11	16	0.70	9.92	17	0.58
1320016184	2022-03-16	0.21	1.32	17	41	0.41	11	45	0.25
1320016203	2022-03-16	0.23	0.48	18	15	1.23	12	13	0.90
1320016243	2022-03-16	0.23	0.67	18	21	0.88	14	17.8	0.79
1320016250	2022-03-16	0.23	0.48	18	15	1.23	10.9	12	0.89
1320016264	2022-03-16	0.22	1.20	18	37.5	0.47	10.7	33	0.32
1320016280	2022-03-16	0.26	1.15	21	35.9	0.58	13	34	0.38
1320016323	2022-03-16	0.12	0.56	10	18	0.55	4	16	0.24
1320016337	2022-03-16	0.19	0.63	15	20	0.77	8	18	0.47
1320018011	2022-03-16	0.19	1.36	15	43	0.36	13	37	0.36
1320018017	2022-03-16	0.15	0.80	12.0	25	0.48	11	22	0.51
1320018023	2022-03-16	0.16	1.49	12.8	47	0.28	12.2	43	0.28
1320018045	2022-03-16	0.15	0.10	12	3	3.84	13	1	11.68
1320018142	2022-03-16	0.16	1.89	13	59	0.22	10	53	0.19
1320018171	2022-03-16	0.22	1.75	18	55	0.32	12.0	50	0.24
1320018215	2022-03-16	0.34	0.10	27	3	8.71	13	2	6.84
1320018253	2022-03-16	0.15	1.34	12	42	0.29	16	38	0.41
1320021005	2022-03-16	0.11	0.15	9	5	1.88	5	2	2.15
1320021117	2022-03-16	0.23	2.16	18	67.5	0.27	12.9	61	0.21
1320021205	2022-03-16	0.01	0.01		.2	2.56	7	1	5.06
1320021242	2022-03-16	0.01	2.57		80.3	0.00	5	69	0.07
1320021260	2022-03-16	0.08	0.22	6	6.9	0.93	5.21	5.5	0.95
1320021264	2022-03-16	0.13	2.50	10	78	0.13	5	71	0.06
1320021274	2022-03-16	0.07	0.16	6	5	1.12	6	3	1.70
1320021281	2022-03-16	0.03	2.59	2	81	0.03	11	67.7	0.16
1320021316	2022-03-16	0.07	2.89	6	90	0.06	6	80.3	0.08
1320021329	2022-03-16	0.02	2.47	2	77	0.02	3	94	0.04
1320021391	2022-03-16	0.14	0.09	11	3	3.99	4	1	3.57
1320022073	2022-03-16	0.09	2.69	7	84	0.09	7.57	75.2	0.10
1320022110	2022-03-16	0.18	3.58	14	111.9	0.13	19	101	0.19
1320022254	2022-03-16	0.15	0.72	12	22.5	0.53	7.7	19	0.40
1320022272	2022-03-16	0.24	0.51	19	16	1.21	14	13	1.06
1320022280	2022-03-16	0.15	2.12	12	66.3	0.18	7.93	60	0.13
1320022306	2022-03-16	0.21	0.47	17	15	1.14	10	12	0.84

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1320022311	2022-03-16	0.14	0.68	11	21	0.53	10	18	0.55
1320022379	2022-03-16	0.24	0.39	19	12.2	1.58	15.6	10	1.50
1320022395	2022-03-16	0.13	0.12	10	4	2.78	8.58	2	5.57
1320025002	2022-03-16	0.31	0.18	25	6	4.41	6	3	1.92
1320025023	2022-03-16	0.16	2.24	13	70	0.18	6	66	0.10
1320025026	2022-03-16	0.28	2.93	22	92	0.24	22	83	0.27
1320025045	2022-03-16	0.33	1.33	26	42	0.64	16.3	38	0.43
1320025085	2022-03-16	0.20	2.35	16	73	0.22	5	51	0.10
1320028011	2022-03-16	0.34	0.50	27	16	1.74	19.0	13	1.45
1320028020	2022-03-16	0.83	0.95	66	30	2.24	49.0	24	2.04
1320028062	2022-03-16	0.98	1.76	78	55	1.43	64	47	1.35
1320028087	2022-03-16	0.62	1.27	50	40	1.25	46.7	36	1.28
1320032010	2022-03-16	0.17	0.31	14	10	1.40	6.99	9	0.81
1320032027	2022-03-16	0.27	0.28	22	8.8	2.47	12	7	1.82
1320032044	2022-03-16	0.38	2.30	30	71.9	0.42	14.5	64	0.23
1320099001	2022-03-16	0.35	2.18	28	68.1	0.41	16	54	0.30
1321021403	2022-03-16	0.34	2.38	27	74.4	0.37	17	66	0.26
1321026046	2022-03-16	0.16	5.09	13	159.1	0.08	11.5	135	0.09
1321028072	2022-03-16	0.14	0.30	11	9	1.20	11	7	1.44
1321028086	2022-03-16	0.34	0.34	27	11	2.56		7	0.00
1321028094	2022-03-16	0.27	0.30	22	9	2.31	19	7.1	2.66
1321028111	2022-03-16	0.24	2.46	19	77	0.25	13	71	0.19
1321028119	2022-03-16	0.31	0.44	25	14	1.81	21	11	1.89
1321028159	2022-03-16	0.26	2.44	21	76	0.27	17	65	0.26
1321028163	2022-03-16	0.23	2.83	18	88	0.21	11	76	0.14
1321028200	2022-03-16	0.13	0.42	10	13	0.79	10	10	1.02
1321029006	2022-03-16	0.27	1.52	22	48	0.46	16	44	0.35
1321029027	2022-03-16	0.25	1.14	20	36	0.56	20	30	0.68
1321029054	2022-03-16	0.82	1.49	66	47	1.41	54	39	1.38
1321029260	2022-03-16	0.19	0.93	15	29	0.52	11	25.2	0.44
1321029265	2022-03-16	0.19	3.07	15	96	0.16	10	85.36	0.12
1321030073	2022-03-16	0.60	1.89	48	59	0.81	45	54	0.83
1321030082	2022-03-16	0.21	0.08	17	2.5	6.73	15	1	12.10
1321030089	2022-03-16	0.68	0.63	54	20	2.77	48.	16	3.02
1321030121	2022-03-16	0.14	0.12	11	4	2.99	13.5	2	5.95
1321030145	2022-03-16	0.75	1.34	60	42	1.43	32	38	0.86
1321030153	2022-03-16	0.45	1.33	36	42	0.87	26	38	0.69
1321030169	2022-03-16	0.14	0.09	11	3	3.99	16	1	12.02
1321030177	2022-03-16	0.60	1.37	48	43	1.12	29	37	0.78
1321031002	2022-03-16	0.49	2.26	39	71	0.56	28	63.4	0.43
1321031008	2022-03-16	0.57	2.17	46	68	0.67	37	61	0.60
1321031027	2022-03-16	0.93	2.25	74	70	1.06	65	63.0	1.03
1321031037	2022-03-16	0.58	1.45	46	45	1.02	44	41	1.06
1321031079	2022-03-16	0.92	1.53	74	48	1.54	65	42	1.53
1321031081	2022-03-16	0.67	2.15	54	67	0.80	45	61	0.75
1321031096	2022-03-16	1.06	2.05	85	64	1.32	76	55	1.37
1321031113	2022-03-16	0.32	2.22	26	69	0.37	25	59	0.42
1321031202	2022-03-16	0.77	2.24	62	70	0.88	55	63	0.87
1321033330	2022-03-16	0.33	2.40	26	75	0.35	17	65	0.26
1325077022	2022-03-16	0.52	0.52	42	16	2.56	22.2	13	1.70
1325077028	2022-03-16	0.54	0.47	43	15	2.94	31	8	3.88
1325077030	2022-03-16	0.65	0.40	52	13	4.16	38.5	9	4.50
1325077058	2022-03-16	0.82	0.35	66	11	6.00	57	8	7.15
1325077108	2022-03-16	0.82	1.12	66	35	1.88	56	25	2.28
1325077150	2022-03-16	0.85	0.53	68	17	4.11	47	10.4	4.46
1325077186	2022-03-16	0.86	1.26	69	39	1.75	44.1	28.5	1.55
1325077246	2022-03-16	0.76	0.82	61	26	2.37	49.8	17	3.00
1325077250	2022-03-16	0.69	0.71	55	22	2.49	48	18	2.68
1325077260	2022-03-16	1.22	2.12	98	66	1.47	70.8	51	1.39
1325077280	2022-03-16	0.70	0.77	56	24.1	2.33	48	19	2.45
1325077312	2022-03-16	1.17	0.74	94	23	4.05	78	18.92	4.11
1325078040	2022-03-16	0.72	0.46	58	14	4.01	43.6	11.58	3.77
1325078052	2022-03-16	0.64	0.37	51	12	4.43	43.5	8	5.42
1325078090	2022-03-16	0.61	0.20	49	6	7.81	47	6	7.45
1325078150	2022-03-16	0.44	0.92	35	29	1.23	30	25	1.20
1325078210	2022-03-16	0.76	0.65	61	20	3.00	51.1	57.23	0.89
1316012277	2022-03-18	0.20	2.66	16	83	0.19	18.1	77	0.23
1323061072	2022-03-18	0.43	0.32	34	10	3.44	35	6	5.79
1323061128	2022-03-18	0.62	1.12	50	35.0	1.42	49	34.3	1.44
1323061167	2022-03-18	0.51	0.37	41	11.6	3.53	38	9	4.46
1323061186	2022-03-18	0.46	0.73	37	23	1.61	36	19	1.90
1323061269	2022-03-18	0.89	2.92	71	91	0.78	68	64	1.06
1324078084	2022-03-18	0.49	0.43	39	13	2.92	26.5	12	2.21
1324078222	2022-03-18	0.38	0.42	30	13	2.32	25.6	10	2.46
1432007018	2022-03-18	0.97	0.68	78	21	3.65	63.9	17	3.74
1324078226	2022-03-18	0.64	0.30	51	9	5.47	50	7	7.41
1323061045	2022-03-18	0.60	0.62	48	19	2.48	50	15	3.34
1323061259	2022-03-18	0.41	0.32	33	10	3.28	36	4.7	7.53
1324080130	2022-03-18	0.33	0.20	26	6	4.23	23	.9	25.19
1324078056	2022-03-18	0.47	0.20	38	6.3	6.02	42	2	27.73
1324078024	2022-03-18	0.39	0.32	31	10.0	3.12	29	6	4.57
1323061031	2022-03-18	0.59	0.18	47	5.6	8.40	40.0	2.7	15.02
1324078295	2022-03-18	0.32	0.37	26	12	2.22	26.96	8.4	3.22
1432007001	2022-03-18	0.82	1.07	66	33	1.96	58.89	24	2.44

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1323061030	2022-03-18	0.58	0.12	46	4	12.38	44	1	85.51
1432007021	2022-03-18	0.70	1.15	56	36	1.56	73.18	42	1.73
1432007085	2022-03-18	0.76	1.51	61	47.2	1.29	76	41	1.84
1324077026	2022-03-18	1.55	1.07	124	33	3.71	91	5	17.18
1316012270	2022-03-18	0.22	2.01	18	63	0.28	14.09	57	0.25
1316005108	2022-03-18	0.40	2.99	32	93	0.34	24	80	0.30
1316012298	2022-03-18	0.20	2.69	16	84	0.19	10	76	0.13
1316005142	2022-03-18	0.09	2.41	7	75	0.10	9	67	0.14
1316012206	2022-03-18	0.15	3.52	12	110	0.11	9	99.8	0.09
1316002063	2022-03-18	0.19	0.24	15	8	2.03	45	5	9.88
1317002245	2022-03-18	0.14	0.12	11	4	2.99	9	2	5.07
1317009103	2022-03-18	0.14	0.97	11	30	0.37	10.3	25	0.41
1317009124	2022-03-18	0.13	0.73	10	23	0.46	10	19	0.56
1317011058	2022-03-18	0.15	0.54	12	17	0.71	14	13	1.14
1317011075	2022-03-18	0.27	1.35	22	42	0.51	18	37	0.48
1317011123	2022-03-18	0.19	0.50	15	16	0.97	14.7	14	1.08
1317011158	2022-03-18	0.35	0.29	28	9	3.09	30	8	3.85
1317011187	2022-03-18	0.31	0.31	25	10	2.56	25	7	3.59
1317018008	2022-03-18	0.17	0.13	14	4	3.35		1	0.01
1317018048	2022-03-18	0.13	2.51	10	78	0.13	8	74	0.11
1318088001	2022-03-18	0.30	0.14	24	4	5.49	12	1	13.20
1318088005	2022-03-18	0.27	0.28	22	9	2.47	19.0	5	3.66
1318088041	2022-03-18	0.20	2.26	16.0	71	0.23		67	0.00
1319045091	2022-03-18	0.48	1.86	38	58	0.66	38	49	0.78
1319045099	2022-03-18	0.19	0.11	15	3	4.43	21	1	28.20
1319045119	2022-03-18	0.16	2.40	13	75	0.17	1	64	0.01
1324075170	2022-03-18	0.41	0.40	33	13	2.63	29.63	9	3.36
1324075183	2022-03-18	0.64	0.95	51	29.7	1.73	44	23	1.90
1324075218	2022-03-18	0.46	0.80	37	25	1.47	64	20	3.26
1324075239	2022-03-18	0.56	1.32	45	41	1.09	39.82	37	1.09
1325080040	2022-03-18	0.29	0.23	23	7	3.23	26	2	10.88
1325080056	2022-03-18	0.47	0.14	38	4	8.60	35.9	2	19.94
1325080203	2022-03-18	0.33	0.56	26	18	1.51	36	17	2.16
1325080234	2022-03-18	0.64	0.54	51	17	3.04	48.21	12	3.92
1325080252	2022-03-18	0.49	0.56	39	18	2.24	36	13	2.88
1325080300	2022-03-18	0.30	0.22	24	7	3.49	22.68	4	6.34
1325081140	2022-03-18	0.50	0.75	40	23	1.71	50	20	2.51
1325081156	2022-03-18	0.63	0.68	50	21	2.37	43	17	2.58
1325081196	2022-03-18	0.96	1.24	77	39	1.98	63	32	1.96
1325081218	2022-03-18	0.67	0.67	54	21	2.56	44	17.8	2.47
1325081284	2022-03-18	0.17	0.26	14	8	1.68	14.21	6	2.28
1325081288	2022-03-18	0.93	0.36	74	11	6.62	53	7	7.38
1325085114	2022-03-18	1.11	0.20	89	6	14.22	64	1	62.26
1320098003	2022-03-18	1.53	1.88	122	59	2.09	78	53	1.47
1317010341	2022-03-18	0.15	1.99	12	62	0.19	12.29	56.6	0.22
1317010421	2022-03-18	0.17	0.09	14	3	4.84	18.68	0	49.16
1317018032	2022-03-18	0.14	1.91	11	60	0.19	14	54	0.27
1317011281	2022-03-18	0.28	1.48	22	46	0.48	22	40.93	0.54
1317001003	2022-03-18	0.19	2.07	15	65	0.24	16.2	59.4	0.27
1317001175	2022-03-18	0.52	1.78	42	56	0.75	34	50	0.68
1317002004	2022-03-18	0.22	2.75	18	86	0.20	18.74	75.54	0.25
1317009080	2022-03-18	0.11	0.89	9	28	0.32	5.7	24	0.24
1317011284	2022-03-18	0.56	1.48	45	46	0.97	34	40	0.86
1317017019	2022-03-18	0.18	2.24	14	70	0.21	14	62.2	0.23
1317017040	2022-03-18	0.25	1.93	20	60.3	0.33	20	54	0.38
1325080048	2022-03-18	0.50	0.22	40	7	5.82	23	3	7.22
1325085222	2022-03-18	0.82	0.62	66	19	3.39	53	16	3.30
1317011161	2022-03-18	0.32	1.49	26	47	0.55	23	40	0.58
1317018090	2022-03-18	0.24	2.24	19	70	0.27	19	63.5	0.30
1317011071	2022-03-18	0.44	1.59	35	50	0.71	25.65	45.7	0.56
1318088023	2022-03-18	0.13	1.50	10	47	0.22	15	43.5	0.35
1319045047	2022-03-18	0.85	2.47	68	77	0.88	59	56.12	1.05
1325080010	2022-03-18	0.70	0.52	56	16	3.45	34	12.86	2.63
1325080262	2022-03-18	0.38	0.71	30	22	1.37	27	17.8	1.51
1317001039	2022-03-18	0.45	2.00	36	63	0.58	30	55.2	0.55
1317001043	2022-03-18	0.43	1.68	34	53	0.66	27	49	0.55
1324075112	2022-03-18	0.61	0.60	49	18.8	2.60	41	14.7	2.79
1317001042	2022-03-18	0.49	1.95	39	60.9	0.64	32	50	0.63
1317001084	2022-03-18	0.33	1.09	26	34	0.78	2.0	30	0.07
1317001031	2022-03-18	0.24	0.66	19	21	0.93	10.71	17	0.64
1324075187	2022-03-18	0.40	0.57	32	18	1.80	35	14	2.40
1317010134	2022-03-18	0.38	1.46	30	45.6	0.67	30	40	0.75
1324073186	2022-03-18	0.53	2.18	42	68	0.62	38.0	50	0.77
1317017095	2022-03-18	0.30	0.20	24	6.3	3.84	12	3	4.49
1318060038	2022-03-18	0.17	0.74	14	23	0.59	15	20	0.74
1324073040	2022-03-18	0.50	0.89	40	28	1.44	37	21	1.74
1325081094	2022-03-18	1.30	0.45	104	14	7.40	100.9	5	19.37
1325081112	2022-03-18	1.52	0.18	122	6	21.64	117.06	1	110.43
1325081176	2022-03-18	2.08	0.96	167	30	5.55	114	13	8.75
1325081178	2022-03-18	1.10	0.56	88	18	5.03	43.57	10	4.16
1325081072	2022-03-18	1.84	0.44	147	13.8	10.71	182	5	34.78
1317002033	2022-03-18	0.52	0.55	42	17	2.42	6	89	0.06
1317017007	2022-03-18	0.13	1.99	10	62	0.17	12	58	0.21
1317018062	2022-03-18	0.21	2.50	17	78	0.22	14	71	0.20

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1317017082	2022-03-18	0.24	1.80	19	56	0.34	19	48	0.40
1317010466	2022-03-18	0.21	2.45	17	77	0.22	1	73	0.01
1317011050	2022-03-18	0.22	1.51	18	47.2	0.37	14	39	0.37
1317011064	2022-03-18	0.15	1.37	12	43	0.28	13	36	0.36
1317017009	2022-03-18	0.26	1.67	21	52	0.40	16	48	0.34
1319045144	2022-03-18	0.16	3.52	13	110	0.12	0.01	93	0.00
1317011203	2022-03-18	0.21	1.93	17	60	0.28	12	55	0.21
1317002027	2022-03-18	0.28	1.95	22	61	0.37	16	58	0.27
1317011225	2022-03-18	0.10	1.65	8	52	0.16	11.97	47	0.25
1317001160	2022-03-18	0.21	2.29	17	72	0.23	17	68	0.26
1317011251	2022-03-18	0.15	1.63	12	51	0.24	12	48	0.25
1318088077	2022-03-18	0.15	1.80	12	56	0.21	14	55	0.26
1317011190	2022-03-18	0.17	2.35	14	73	0.19	14	70	0.20
1317009029	2022-03-18	0.12	0.94	10	29	0.33	6	25	0.23
1317002209	2022-03-18	0.11	2.57	9	80	0.11	7	71	0.10
1317011232	2022-03-18	0.19	1.62	15	51	0.30	14	45.2	0.31
1317011347	2022-03-18	0.24	1.91	19	60	0.32	10	55	0.19
1317018074	2022-03-18	0.20	2.72	16	85	0.19	10	86.7	0.12
1317018133	2022-03-18	0.23	2.96	18	93	0.20	13	83.9	0.15
1317010240	2022-03-18	0.17	1.94	14	61	0.22	13	55	0.23
1317002228	2022-03-18	0.14	2.80	11	88	0.13	7	79	0.10
1317011299	2022-03-18	0.17	4.67	14	146	0.09	2.9	134	0.02
1317017067	2022-03-18	0.35	2.20	28	68.8	0.41	18.71	65	0.29
1317018167	2022-03-18	0.17	2.98	14	93	0.15	5	93	0.05
1317011240	2022-03-18	0.20	2.73	16	85	0.19	12	78	0.15
1318086089	2022-03-18	0.47	1.79	38	55.9	0.67	36	51	0.71
1322043096	2022-03-18	0.41	1.29	33	40.3	0.81	32	34	0.94
1322043208	2022-03-18	0.43	1.50	34	47	0.73	31	42	0.73
1322043229	2022-03-18	0.18	0.37	14.4	12	1.25	16	9	1.72
1322043292	2022-03-18	0.61	1.19	49	37.2	1.31	47	33	1.43
1322043306	2022-03-18	0.68	1.40	54	44	1.24	53	38	1.42
1322043340	2022-03-18	0.86	1.12	69	35	1.97	67.9	31	2.22
1323062003	2022-03-18	0.52	1.59	42	50	0.84	41	42	0.97
1323062022	2022-03-18	0.82	1.55	66	48	1.36	35	40.6	0.86
1323062049	2022-03-18	0.93	1.83	74	57	1.30	87.2	50.5	1.73
1323062052	2022-03-18	0.80	1.50	64	46.9	1.37	61.68	41	1.49
1323062087	2022-03-18	0.44	1.22	35	38	0.92	36	34	1.05
1323062144	2022-03-18	0.31	0.41	25	12.8	1.94	27	10	2.69
1323062270	2022-03-18	0.71	0.09	57	3	20.21	59	1	118.60
1323062280	2022-03-18	0.48	0.63	38	19.7	1.95	36	16	2.19
1316013015	2022-03-18	0.70	0.71	56	22	2.53	52	17	3.12
1322043091	2022-03-18	0.45	0.58	36	18	1.99	62	15	4.24
1322043299	2022-03-18	0.70	1.47	56	46	1.22	26	41	0.65
1432008012	2022-03-18	1.44	6.42	115	201	0.57	83	151	0.55
1316013058	2022-03-18	0.25	0.75	20	23	0.85	22	22	1.01
1322043048	2022-03-18	0.41	0.51	33	16	2.06	29	11	2.60
1322043348	2022-03-18	0.89	1.80	71	56	1.27	69	50	1.39
1315003001	2022-03-18	0.21	0.27	17	8.4	1.99	13	6	1.97
1323062055	2022-03-18	0.59	1.14	47	35.6	1.33	45	30	1.48
1323062234	2022-03-18	0.58	0.34	46	11	4.37	3.74	5	0.71
1323066010	2022-03-18	0.56	0.52	45	16	2.76	49	11	4.30
1322043093	2022-03-18	0.51	0.72	41	23	1.81	40	18	2.18
1315003132	2022-03-18	0.11	0.52	9	16	0.54	11	14	0.74
1315003138	2022-03-18	0.19	0.40	15	12.5	1.22	17	11.0	1.55
1323066162	2022-03-18	0.77	0.71	62	22.2	2.78	55	17	3.31
1323067020	2022-03-18	0.50	0.96	40	30	1.33	35	23	1.55
1315003168	2022-03-18	0.23	0.87	18	27.2	0.68	23	23.1	0.99
1432008018	2022-03-18	1.19	2.53	95	79	1.21	71	67	1.06
1316013021	2022-03-18	0.13	1.47	10	46	0.23	12	41	0.29
1316006044	2022-03-18	0.22	2.44	18	76	0.23	15	69	0.21
1316006015	2022-03-18	0.19	2.88	15	90	0.17	50	80	0.62
1322043262	2022-03-19	0.29	1.55	23	48	0.48	30.9	44	0.71
1322043304	2022-03-19	0.46	1.35	37	42	0.87	37	38	0.98
1322043043	2022-03-19	0.60	0.23	48	7	6.68	51	2	25.05
1322043134	2022-03-19	0.54	0.25	43	8	5.53	47	4	11.12
1316014098	2022-03-19	0.15	1.05	12	33	0.37	12	28	0.44
1316014111	2022-03-19	0.31	1.53	25	48	0.52	17	41	0.42
1316014114	2022-03-19	0.33	1.50	26	46.9	0.56	25	39	0.64
1316014013	2022-03-20	0.32	1.61	26	50	0.51	19	45	0.43
1322043012	2022-03-20	0.55	0.22	44	7	6.41	47	1	54.56
1322043038	2022-03-20	0.48	0.11	38	3	11.18	46		253.78
1315003418	2022-03-20	0.23	1.09	18	34	0.54	18	29	0.63
1316014034	2022-03-20	0.30	1.76	24	55	0.44	21	46	0.44
1316014061	2022-03-20	0.17	1.75	14	55	0.25	15	49	0.31
1322043021	2022-03-20	0.57	0.16	46	5.0	9.13	70		153.17
1316014059	2022-03-20	0.18	1.71	14	53	0.27	13	48	0.28
1322043122	2022-03-21	0.60	0.33	48	10	4.66	47	6	8.11
1322043190	2022-03-21	0.47	1.12	38	35	1.08	36	28	1.28
1322043024	2022-03-21	0.63	0.59	50	18	2.74	74	13	5.62
1322043118	2022-03-21	0.65	1.56	52	49	1.07	48	38.6	1.25
1432008151	2022-03-21	1.05	7.80	84	243.8	0.34	61	200	0.30
1316014027	2022-03-21	0.16	6.61	13	207	0.06	8	183	0.05
1315002115	2022-03-22	0.22	1.77	18	55.3	0.32	14.69	51	0.29
1315002184	2022-03-22	0.24	1.82	19	57	0.34	44	48	0.90

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1322043302	2022-03-24	0.60	1.65	48	51.6	0.93	13	48	0.27
1316015116	2022-03-29	0.02	1.94	2	61	0.03	14	54	0.26
1432011120	2022-03-29	1.53	3.58	122	112	1.09	93.6	88	1.07
1318062287	2022-03-29	0.30	2.93	24	92	0.26	9	84	0.11
1318064003	2022-03-29	0.08	2.14	6	67	0.10	11	58	0.19
1318064037	2022-03-29	0.14	3.31	11	103	0.11	9	94	0.09
1318064039	2022-03-29	0.10	3.29	8	102.8	0.08	9	91	0.10
1318064070	2022-03-29	0.20	1.79	16	56	0.29	9	51	0.17
1318064078	2022-03-29	0.28	2.45	22	77	0.29	15	70	0.21
1318064085	2022-03-29	0.16	2.27	13	71	0.18	15.2	67	0.23
1318064136	2022-03-29	0.53	3.74	42	117	0.36	38.9	105	0.37
1318064200	2022-03-29	0.22	1.45	18	45.3	0.39	14	37	0.39
1318064207	2022-03-29	0.21	2.59	17	81	0.21	17	78	0.22
1318064213	2022-03-29	0.06	2.58	5	81	0.06	6	73	0.09
1318064244	2022-03-29	0.22	2.60	18	81	0.22	15.0	72	0.21
1318064256	2022-03-29	0.22	0.09	18	2.8	6.26	14	1	10.79
1318066119	2022-03-29	0.40	0.90	32	28.1	1.14	31	26	1.16
1318069043	2022-03-29	0.61	1.19	49	37	1.31	80	32	2.47
1318069044	2022-03-29	0.36	1.75	29	55	0.53	27	45.7	0.60
1318069132	2022-03-29	0.08	1.54	6	48.1	0.13	11	44	0.25
1318075098	2022-03-29	0.19	1.98	15	62	0.25	9	56	0.16
1318075124	2022-03-29	0.36	0.87	29	27.2	1.06	27	26	1.04
1319020010	2022-03-29	0.57	0.70	46	22	2.09	42	18	2.30
1319025106	2022-03-29	0.48	2.77	38	86.6	0.44	30	78	0.38
1319025137	2022-03-29	0.83	2.74	66	86	0.78	61	73	0.83
1319025222	2022-03-29	0.80	1.49	64	47	1.38	446	42	10.70
1319025228	2022-03-29	1.28	1.68	102	53	1.95	86	47	1.84
1319026004	2022-03-29	0.39	2.05	31	64	0.49	21	56	0.38
1319026010	2022-03-29	0.34	1.40	27	44	0.62	15.2	37	0.41
1319026020	2022-03-29	0.42	1.23	34	38	0.87	21	37	0.55
1319026037	2022-03-29	0.34	0.66	27	21	1.32	16	18.1	0.90
1319026175	2022-03-29	0.22	1.29	18	40	0.44	14	35	0.39
1319031002	2022-03-29	0.19	2.28	15	71.3	0.21	10	64.8	0.15
1319031003	2022-03-29	0.20	2.35	16	73	0.22	12	66	0.18
1319031071	2022-03-29	0.14	3.26	11	102	0.11	6	96	0.06
1319031145	2022-03-29	0.20	2.36	16	74	0.22	14	66.6	0.20
1319033097	2022-03-29	0.40	1.66	32	52	0.62		45	0.00
1319033098	2022-03-29	0.32	1.93	26	60	0.42	24	51	0.47
1319033156	2022-03-29	0.35	1.45	28	45	0.62	29	39	0.74
1319033158	2022-03-29	0.39	1.40	31	44	0.71	3	38	0.07
1319033206	2022-03-29	0.42	1.24	34	38.8	0.87	29	37	0.78
1319033242	2022-03-29	0.12	1.45	10	45	0.21	8	41	0.21
1319033278	2022-03-29	0.15	1.88	12	58.8	0.20	13	53	0.24
1319033306	2022-03-29	0.14	1.47	11	46	0.24	8	4.0	2.08
1319033319	2022-03-29	0.67	1.82	54	57	0.94	52	50.2	1.04
1319033344	2022-03-29	0.91	1.87	73	58	1.25	57	44.8	1.28
1319033503	2022-03-29	0.12	1.18	10	37	0.26	4	34	0.12
1319035058	2022-03-29	0.81	2.86	65	89	0.73	48	80	0.61
1319035084	2022-03-29	0.85	1.77	68	55	1.23	61	49	1.24
1319035086	2022-03-29	1.31	2.09	105	65	1.61	100	59	1.70
1319035094	2022-03-29	0.62	2.85	50	89	0.56	48	78	0.62
1319037055	2022-03-29	0.25	1.11	20	35	0.58	17	31	0.56
1319037333	2022-03-29	0.25	1.32	20	41	0.49	18	47	0.37
1319037339	2022-03-29	0.23	1.38	18	43	0.43	16	40	0.40
1319037343	2022-03-29	0.16	1.51	13	47	0.27	14	43	0.33
1319041039	2022-03-29	0.31	2.13	25	67	0.37	18	61.6	0.29
1319041043	2022-03-29	0.47	2.00	38	63	0.60	25	58.2	0.43
1319041080	2022-03-29	0.13	3.13	10	98	0.11	5	84	0.06
1319041082	2022-03-29	0.32	1.88	26	59	0.44	16	50.63	0.31
1319041129	2022-03-29	0.30	2.68	24	84	0.29	8	70.6	0.11
1319041151	2022-03-29	0.28	2.76	22	86	0.26	7	79.1	0.08
1319041184	2022-03-29	0.19	3.30	15	103.1	0.15	7.72	89	0.09
1319044016	2022-03-29	0.63	0.97	50	30.3	1.66	39	27	1.46
1319044027	2022-03-29	0.36	0.38	29	12	2.43	18.7	7	2.55
1319044053	2022-03-29	1.02	1.25	82	39	2.09	57	34	1.69
1319049308	2022-03-29	0.55	0.45	44	14	3.13	44	11	3.95
1319051008	2022-03-29	0.32	2.67	25.6	83	0.31	11	76.9	0.14
1319051040	2022-03-29	0.22	3.34	18	104	0.17	6.0	92	0.07
1319051072	2022-03-29	0.22	2.36	18	74	0.24	7.74	69	0.11
1319051111	2022-03-29	0.19	2.82	15	88	0.17	8	78	0.10
1319053084	2022-03-29	0.49	1.78	39	56	0.71	28.5	50	0.57
1320030022	2022-03-29	0.41	1.81	33	57	0.58	21.2	54	0.39
1320052040	2022-03-29	0.22	0.10	18	3.1	5.64	15	1	10.43
1320052042	2022-03-29	0.10	0.11	8	3	2.33	18	2	8.54
1320052185	2022-03-29	0.36	2.69	29	84	0.34	31	75	0.41
1316015091	2022-03-30	0.07	0.27	6	8	0.66	14	3.3	4.19
1316015030	2022-03-30	0.16	0.25	13	8	1.64	5	6.5	0.74
1316015001	2022-03-30	0.05	1.14	4	36	0.11	7	32	0.23
1316015043	2022-03-30	0.02	2.22	2	69	0.02	10	62.8	0.16
1432015237	2022-03-30	0.45	1.26	36	39	0.92	38.41	35.8	1.07
1316015011	2022-03-30	0.01	2.59	1	80.9	0.01	7	73	0.10
1432011063	2022-03-30	1.27	5.02	102	157	0.65	92.48	131	0.70
1432011090	2022-03-31	1.46	3.46	117	108	1.08	109	86	1.28
1315002211	2022-04-01	0.68	6.56	54	205	0.27	41	164	0.25

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1316008035	2022-04-02	0.23	1.09	18	34	0.54	8.78	31	0.28
1323063246	2022-04-02	0.54	1.60	43	50	0.86	39	48	0.82
1323063255	2022-04-02	0.22	0.28	18	8.8	2.01	18	5	3.61
1323063217	2022-04-02	0.55	0.85	44	27	1.66	43	20	2.09
1323063152	2022-04-03	0.36	1.30	29	40.6	0.71	28	37	0.77
1323063237	2022-04-03	0.69	1.55	55	48	1.14	52	44	1.19
1323063209	2022-04-03	0.52	0.27	42	8	4.93	42	4	11.35
1323063273	2022-04-03	0.49	0.85	39	27	1.48	39	22	1.72
1323063064	2022-04-03	0.66	0.51	53	16	3.32	49	11.22	4.34
1323063036	2022-04-03	0.67	0.54	54	17	3.18	46.96	10	4.71
1323063173	2022-04-04	0.65	0.25	52	8	6.66	49	3	19.32
1432013133	2022-04-04	1.59	3.18	127	99	1.28	113	85	1.33
1323063018	2022-04-04	0.50	0.60	40	19	2.14	41	14	2.91
1323063129	2022-04-04	0.59	0.47	47	15	3.22	45	9	5.01
1323063031	2022-04-04	0.81	0.45	65	14.1	4.61	51	7	6.92
1323063126	2022-04-04	0.68	0.56	54	17.5	3.11	50	11	4.66
1323063270	2022-04-04	0.55	0.22	44	7	6.41	36.04	2	19.59
1432013060	2022-04-04	1.42	4.98	114	156	0.73	113	130	0.87
1432013023	2022-04-04	1.06	3.36	85	105	0.81	46.0	87.7	0.52
1432014090	2022-04-07	1.33	1.83	106	57	1.86	74.7	41	1.82
1432014026	2022-04-07	1.38	2.78	110	87	1.27	99.0	76	1.30
1432014024	2022-04-07	1.23	1.01	98	32	3.12	92.8	21	4.36
1432013037	2022-04-07	1.56	2.08	125	65	1.92	95.4	53	1.78
1317005175	2022-04-07	0.18	4.33	14	135	0.11	13.5	126	0.11
1317007056	2022-04-07	0.15	2.96	12	92.5	0.13	9	84	0.10
1317007118	2022-04-07	0.17	1.31	14	40.9	0.33	9	37	0.25
1317010027	2022-04-07	0.21	2.07	17	64.7	0.26	15	63	0.23
1317010060	2022-04-07	0.28	1.16	22	36	0.62	18	32	0.56
1317010106	2022-04-07	0.24	0.26	19	8	2.36	14.4	5	2.91
1317010113	2022-04-07	0.18	1.44	14	45	0.32	40.5	42	0.97
1317010152	2022-04-07	0.14	1.73	11	54	0.21	10.7	44	0.24
1317010217	2022-04-07	0.25	1.99	20	62.2	0.32	20.5	56	0.37
1317010248	2022-04-07	0.16	1.96	13	61.3	0.21	7.7	56	0.14
1317010327	2022-04-07	0.15	2.36	12	74	0.16	9.72	70	0.14
1317010354	2022-04-07	0.20	0.51	16	15.9	1.00	12	13	0.91
1317010377	2022-04-07	0.14	0.17	11	5	2.11	10	3	4.02
1317012001	2022-04-07	0.56	1.30	45	41	1.10	35.7	37	0.97
1317012020	2022-04-07	0.22	1.83	18	57	0.31	9.0	55	0.16
1317012036	2022-04-07	0.36	3.33	29	104.1	0.28	19.8	85.4	0.23
1317012119	2022-04-07	0.59	0.79	47	25	1.91	32.7	21	1.57
1317012128	2022-04-07	0.30	1.12	24	35	0.69	17.0	30	0.56
1317012314	2022-04-07	0.28	3.77	22	118	0.19	13.4	105	0.13
1318068013	2022-04-07	1.06	2.14	85	67	1.27	67	58	1.15
1318068019	2022-04-07	0.14	2.58	11	81	0.14	9.1	77	0.12
1318068084	2022-04-07	0.35	2.89	28	90.3	0.31	14	83	0.17
1318068186	2022-04-07	0.25	1.69	20	53	0.38	17.5	50.2	0.35
1318072004	2022-04-07	0.29	2.04	23	64	0.36	13	60	0.21
1318072035	2022-04-07	0.20	0.71	16.0	22	0.72	18.3	20.6	0.89
1318072053	2022-04-07	0.27	1.13	22	35	0.61	13	33	0.40
1318072070	2022-04-07	0.22	1.64	18	51	0.34	12	43	0.29
1318072209	2022-04-07	0.14	0.83	11	26	0.43	9	21	0.44
1318076004	2022-04-07	0.16	1.78	13	56	0.23	15	50.8	0.30
1318076009	2022-04-07	0.36	1.23	29	38	0.75	18	33	0.55
1319043069	2022-04-07	0.31	1.72	25	54	0.46	19	48	0.40
1319043102	2022-04-07	0.12	0.77	10	24	0.40	2	22	0.09
1319043108	2022-04-07	0.44	1.61	35	50	0.70	19	37	0.50
1319043195	2022-04-07	0.88	2.12	70	66.3	1.06	48	58	0.83
1325079327	2022-04-07	0.36	0.66	29	21	1.40	26.9	17	1.56
1315096052	2022-04-08	0.23	1.32	18	41	0.45	9	38	0.23
1316007001	2022-04-08	0.23	1.57	18	49	0.38	20	47	0.43
1316015078	2022-04-08	0.23	2.38	18	74	0.25	20	65	0.31
1316007081	2022-04-08	0.20	1.82	16	56.9	0.28	12	51	0.23
1432014086	2022-04-08	1.17	5.15	93.7	161	0.58	74.8	116	0.65
1432014165	2022-04-08	2.10	5.29	168	165	1.02	117	103	1.14
1316008017	2022-04-08	0.12	1.06	10	33	0.29	12	29	0.40
1316007056	2022-04-08	0.22	2.64	18	83	0.21	14	76	0.18
1316007061	2022-04-08	0.52	3.62	42	113	0.37	26	85	0.31
1323064001	2022-04-09	0.47	0.79	38	25	1.52	38	21	1.77
1316007050	2022-04-09	0.28	2.00	22	62.5	0.36	11.99	58	0.21
1316007037	2022-04-09	0.17	1.97	14	62	0.22	14	57	0.26
1315009155	2022-04-10	0.21	3.35	17	105	0.16	14	95	0.15
1316008003	2022-04-10	0.17	1.45	14	45	0.30	20	41	0.48
1316015041	2022-04-10	0.28	2.25	22	70	0.32	11.17	63.6	0.18
1323064078	2022-04-10	0.71	0.60	57	19	3.03	53.61	13	4.25
1315009709	2022-04-10	0.05	2.40	4	75	0.05	10	68	0.15
1323064051	2022-04-10	0.75	0.72	60	23	2.67	61.34	17.3	3.54
1316008061	2022-04-10	0.24	3.30	19	103.1	0.19	13.0	93	0.14
1315009672	2022-04-11	0.19	2.19	15	68	0.22	13	62	0.21
1323064035	2022-04-11	0.45	1.05	36	33	1.10	37	29	1.30
1323064025	2022-04-11	0.67	0.49	53.6	15	3.50	49	9	5.47
1322045047	2022-04-11	0.77	1.11	62	35	1.78	62	29	2.11
1315009737	2022-04-11	0.09	2.63	7	82	0.09	14.68	73.7	0.20
1315009504	2022-04-11	0.29	2.19	23	68	0.34	20	56	0.35
1315009503	2022-04-12	0.29	1.51	23	47	0.49	18	44.47	0.40

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1322045051	2022-04-12	0.29	0.16	23	5	4.64	15.71	2	10.40
1315009025	2022-04-12	0.18	1.85	14	58	0.25	12	53	0.22
1322045103	2022-04-12	0.68	1.89	54	59	0.92	50	50	1.01
1322045132	2022-04-12	0.77	1.97	62	62	1.00	61	58	1.06
1315009692	2022-04-13	0.15	0.10	12.0	3	3.84	12		85.29
1315009731	2022-04-13	0.13	0.17	10	5	1.96	13	2	8.22
1322045121	2022-04-13	0.51	1.23	41	38	1.06	36.16	35.2	1.03
1315009632	2022-04-13	0.11	0.14	9	4	2.01	11	1	12.57
1315009522	2022-04-13	0.22	1.20	18	37.5	0.47	16	35	0.47
1315009748	2022-04-13	0.16	4.37	13	137	0.09	12	123	0.10
1322044112	2022-04-14	0.47	0.31	38	10	3.88	36	5	7.39
1322044270	2022-04-14	0.63	1.16	50	36	1.39	45	31	1.47
1322044113	2022-04-14	0.46	0.25	37	7.8	4.71	34.14	3.8	8.89
1322044220	2022-04-14	0.75	0.58	60	18.1	3.31	61	11	5.65
1322044047	2022-04-15	0.34	0.06	27	2	14.52	28		99.57
1322044052	2022-04-15	0.45	0.20	36	6	5.76	33	1.71	19.42
1322044204	2022-04-15	0.22	0.15	18	5	3.76	19	2	8.13
1322044255	2022-04-15	0.56	0.29	45	9	4.95	.0	5	0.00
1322044312	2022-04-15	0.38	0.18	30	5.6	5.41	29	1	32.32
1322044214	2022-04-15	0.33	0.15	26	5	5.64	29	1	42.47
1322044117	2022-04-15	0.70	0.35	56	11	5.12	63.0	5	11.95
1322044178	2022-04-16	0.46	0.44	37	14	2.68	36	9	3.85
1322044184	2022-04-16	0.44	1.31	35	40.9	0.86	46	36	1.29
1322044180	2022-04-16	0.44	0.44	35	13.8	2.56	39	9	4.46
1322044068	2022-04-16	0.67	0.69	54	21.6	2.49	48.5	16	3.02
1322044237	2022-04-16	0.35	0.95	28	30	0.94	124	24	5.12
1315005121	2022-04-16	0.23	1.08	18	33.8	0.55	11.5	33	0.35
1315005096	2022-04-16	0.19	4.31	15	135	0.11	10	121	0.08
1315005022	2022-04-17	0.61	3.59	49	112.2	0.44	43.5	98	0.44
1315005071	2022-04-17	0.58	2.63	46	82	0.57	34.5	69	0.50
1315005045	2022-04-18	0.25	2.66	20	83	0.24	12	73	0.17
1431001158	2022-04-18	2.14	1.76	171	55	3.12	130	45	2.90
1431001164	2022-04-18	1.32	2.22	106	69	1.52	91.0	54	1.67
1315005031	2022-04-18	0.42	2.26	34	70.6	0.48	26	62	0.43
1315005058	2022-04-18	0.23	2.34	18	73.1	0.25	11	65	0.17
1315005006	2022-04-18	0.20	4.18	16	130.6	0.12	13	112	0.11
1315008091	2022-04-18	0.27	0.70	22	21.9	0.99	14	18	0.78
1315008034	2022-04-18	0.35	1.69	28	53	0.53	20	50	0.41
1315008077	2022-04-18	0.22	0.89	18	28	0.63	12.2	24	0.50
1315005082	2022-04-18	0.29	1.93	23	60	0.38	14	55	0.24
1431001220	2022-04-19	1.53	1.54	122	48	2.55	108	40	2.69
1318080042	2022-04-19	0.43	2.10	34	65.6	0.52	35	58	0.60
1315008016	2022-04-19	0.24	1.01	19	31.6	0.61	12.0	29	0.41
1315008058	2022-04-19	0.15	0.88	12	27.5	0.44	12	24	0.50
1315008049	2022-04-19	0.19	0.89	15	28	0.55	15.5	24	0.63
1431001209	2022-04-19	1.90	5.24	152	164	0.93	131	96	1.36
1431001232	2022-04-20	2.21	4.99	177	155.9	1.13	138.6	84	1.65
1315009653	2022-04-21	0.18	2.23	14	70	0.21	12	62	0.20
1318086020	2022-04-21	0.66	1.98	53	62	0.85	47	51	0.92
1316008078	2022-04-21	0.16	2.43	13	76	0.17	10	70	0.15
1315010130	2022-04-22	0.51	1.22	41	38	1.07	36	34	1.05
1315010142	2022-04-22	0.12	0.57	10	18	0.54	10	15	0.68
1315010001	2022-04-22	0.17	1.87	14	58	0.23	12	51	0.24
1315010081	2022-04-22	0.18	0.74	14	23	0.62	12	20.0	0.63
1315010126	2022-04-22	0.18	1.27	14	40	0.36	36	36	1.01
1318077072	2022-04-22	0.18	1.31	14	41	0.35	9	39	0.23
1318077095	2022-04-22	0.17	1.43	14	44.7	0.30	11	39.2	0.27
1324077044	2022-04-22	0.84	0.77	67	24	2.79	57	19.8	2.86
1324077098	2022-04-22	0.86	0.40	69	13	5.51	52	9	5.95
1324080172	2022-04-22	0.75	0.24	60	8	8.01	58	3	19.90
1432007123	2022-04-22	0.69	0.76	55	24	2.33	49	20.7	2.36
1317020156	2022-04-22	0.09	0.10	7	3.1	2.31	12	1.3	9.40
1324078174	2022-04-22	0.24	0.28	19	9	2.20	21	6	3.66
1432007160	2022-04-22	0.74	0.79	59	25	2.40	54.76	19	2.87
1432007130	2022-04-22	0.54	1.28	43	40	1.08	40	30	1.34
1317016064	2022-04-22	0.22	1.06	18	33	0.53	16	30	0.52
1317020126	2022-04-22	0.12	1.43	9.6	44.7	0.21	9	37	0.24
1316012172	2022-04-22	0.19	3.45	15	108	0.14	8.4	99	0.08
1317019032	2022-04-22	0.20	2.15	16	67	0.24	13	62.9	0.21
1432007037	2022-04-23	0.81	0.88	65	28	2.36	60	24	2.55
1315010129	2022-04-23	0.55	1.12	44	35	1.26	35	31	1.12
1315010103	2022-04-23	0.20	0.93	16	29	0.55	9.4	26	0.37
1321034026	2022-04-23	0.58	1.50	46	46.9	0.99	43	42	1.04
1315010068	2022-04-23	0.15	0.86	12	27	0.45	8.0	24	0.33
1321034014	2022-04-24	0.57	1.59	46	50	0.92	41	45	0.90
1315010009	2022-04-24	0.23	1.07	18	33	0.55	10	30	0.32
1321034090	2022-04-24	0.43	1.65	34	52	0.67	27	47	0.56
1322046035	2022-04-25	0.76	0.23	61	7	8.47	57.5	1	42.25
1322046074	2022-04-25	0.85	0.19	68	6	11.46	61		608.00
1321034075	2022-04-25	0.34	2.19	27	68	0.40	20	63	0.31
1315010013	2022-04-27	0.20	1.27	16	40	0.40	10	36	0.28
1321094016	2022-04-27	0.70	1.61	56	50	1.11	30	44	0.68
1322046062	2022-04-27	0.70	0.64	56	20	2.80	53	18	2.92
1321094003	2022-04-27	0.45	1.25	36	39	0.92	34	39	0.89

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1315010089	2022-04-27	0.09	0.90	7	28	0.26	12.0	24	0.50
1322046001	2022-04-28	0.60	0.58	48	18	2.65	41.4	14	2.87
1431001166	2022-04-28	1.22	2.05	98	64	1.52	76.6	54	1.42
1432087021	2022-04-29	0.59	0.46	47	14	3.29	37	12	3.06
1431001192	2022-04-29	1.89	2.20	151	69	2.20	129	55	2.35
1431001182	2022-04-29	1.25	1.56	100	49	2.05	94	39	2.44
1432087017	2022-04-30	0.61	0.71	49	22	2.20	38	18	2.14
1432087043	2022-04-30	0.75	0.74	60	23.1	2.60	51.79	17	3.01
1431001516	2022-04-30	2.66	2.30	213	72	2.96	164	60	2.74
1431001608	2022-04-30	1.34	1.02	107	32	3.37	102	23	4.44
1431001584	2022-04-30	1.20	0.98	96	31	3.14	94	20	4.70
1431001278	2022-04-30	1.49	4.71	119	147	0.81	88	121	0.72
1431001454	2022-04-30	2.00	4.64	160	145	1.10	129	118	1.10
1431001541	2022-05-01	1.71	3.58	137	112	1.22	121	95	1.27
1323065099	2022-05-01	0.83	0.48	66	15	4.43	62.5	9	6.71
1431001582	2022-05-01	1.83	1.48	147	46	3.17	131.61	36	3.63
1431001191	2022-05-01	1.52	2.59	122	81	1.50	99	61	1.60
1323065012	2022-05-01	0.32	0.27	26	8	3.04	23.99	5	4.45
1431001143	2022-05-01	1.68	1.59	135	50	2.71	116	40.9	2.84
1431001578	2022-05-01	1.50	1.89	120	59	2.03	99	49	2.01
1431001189	2022-05-01	1.94	4.40	155	138	1.13	115.27	57	2.01
1431001714	2022-05-02	1.83	1.45	147	45	3.23	138	34	4.04
1323065110	2022-05-02	0.84	0.52	67	16	4.14	60	10	5.79
1431003217	2022-05-02	1.55	3.56	124	111	1.12	91.27	93.0	0.98
1323065033	2022-05-02	0.81	1.51	65	47	1.37	53	38	1.39
1431001560	2022-05-02	1.97	1.66	158	52	3.04	136	22	6.21
1431001613	2022-05-02	1.81	1.25	145	39	3.71	141	27	5.30
1323065116	2022-05-03	0.94	0.56	75	17.5	4.30	62	10	6.08
1431003204	2022-05-03	1.55	5.05	124	157.8	0.79	117	110	1.06
1431003328	2022-05-03	1.64	3.45	131	108	1.22	80	83	0.97
1320053097	2022-05-03	0.25	1.73	20	54.1	0.37	20	48	0.41
1431003304	2022-05-03	0.71	1.93	57	60	0.94	48.78	53	0.92
1431001725	2022-05-03	1.79	4.14	143	129	1.11	98.27	100	0.98
1431001148	2022-05-03	1.81	3.50	145	109	1.32	134.1	89	1.51
1431001150	2022-05-03	1.35	3.37	108	105.3	1.03	100	92	1.09
1431003379	2022-05-03	1.10	1.70	88	53.1	1.66	75	45	1.66
1431003332	2022-05-03	1.41	3.59	113	112	1.01	89.4	87	1.03
1431001704	2022-05-03	1.67	4.50	134	140.6	0.95	112	104	1.08
1431001735	2022-05-03	1.23	5.86	98	183	0.54	91.3	128.6	0.71
1431003368	2022-05-04	1.30	2.34	104	73	1.42	72	64	1.12
1431003013	2022-05-04	1.28	0.42	102	13	7.81	86	8	11.01
1431003080	2022-05-04	0.57	0.62	46	19	2.36	45	16	2.80
1317020004	2022-05-04	0.36	0.68	29	21	1.36	15	20	0.77
1317020063	2022-05-04	0.24	0.89	19	28	0.69	16	24	0.69
1317020091	2022-05-04	0.15	1.80	12	56	0.21	10.2	54	0.19
1317020119	2022-05-04	0.23	1.06	18	33	0.56	14.2	28	0.51
1318077110	2022-05-04	0.31	2.80	25	88	0.28	21	74	0.28
1324077002	2022-05-04	0.73	0.80	58	25	2.34	48	22	2.16
1324077064	2022-05-04	0.94	0.49	75	15	4.91	37	13.2	2.82
1324080192	2022-05-04	0.42	0.20	34	6	5.38	38	2	22.69
1324080238	2022-05-04	0.97	0.51	78	16	4.87	75	8	9.42
1432007240	2022-05-04	0.60	0.62	48	19	2.48	45	20	2.33
1324080206	2022-05-04	0.30	0.24	24	8	3.20	21.1	3	7.25
1324080254	2022-05-04	0.43	0.29	34	9.1	3.80	35.7	3	11.45
1317019113	2022-05-04	0.26	1.05	21	33	0.63	24	35	0.70
1317020043	2022-05-04	0.23	0.85	18	27	0.69	12	24.3	0.48
1317019086	2022-05-04	0.41	1.81	33	56.6	0.58	23	50	0.46
1432007140	2022-05-04	0.73	1.29	58	40	1.45	49.4	30	1.65
1324077140	2022-05-04	0.97	1.26	78	39	1.97	57	24	2.37
1317020016	2022-05-04	0.19	0.63	15	20	0.77	15	17	0.92
1316012048	2022-05-04	0.21	1.57	17	49	0.34	10	44	0.24
1317019036	2022-05-04	0.22	2.99	18	93.4	0.19	15	89	0.17
1431001127	2022-05-05	1.32	1.40	106	44	2.42	72	111	0.65
1317020102	2022-05-05	0.19	2.37	15	74.1	0.21	13	70	0.18
1318077116	2022-05-05	0.23	1.14	18	36	0.52	8.5	34	0.25
1318077127	2022-05-05	0.25	1.69	20	52.8	0.38	87	50	1.75
1317020117	2022-05-05	0.26	1.16	21	36.3	0.57	13	34	0.38
1318077139	2022-05-05	0.71	2.16	57	68	0.84	49	64	0.76
1324080012	2022-05-05	0.72	0.14	58	4	13.18	59	1	95.19
1318077164	2022-05-05	0.94	1.81	75	57	1.33	59.15	49	1.21
1317020148	2022-05-05	0.17	1.96	14	61	0.22	11	61	0.19
1318077087	2022-05-05	0.18	1.38	14	43	0.33	.0	40	0.00
1431003026	2022-05-05	0.69	0.68	55	21	2.60	52	18	2.86
1431003210	2022-05-05	1.07	1.16	86	36	2.36	73	31	2.34
1431003022	2022-05-05	0.62	0.59	50	18	2.69	47	14	3.23
1431003009	2022-05-05	0.61	0.98	49	31	1.59	48.5	27	1.83
1431003150	2022-05-05	0.69	1.36	55	43	1.30	47	38	1.25
1323065025	2022-05-05	0.50	4.41	40.0	138	0.29	29	116	0.25
1323065092	2022-05-05	0.51	0.86	41	27	1.52	36.81	17.0	2.16
1431001641	2022-05-05	1.93	1.48	155	46	3.34	129	35	3.67
1431001627	2022-05-05	1.83	2.27	147	71	2.07	129.45	54	2.38
1431003321	2022-05-07	1.46	5.48	117	171	0.68	109	126	0.87
1432086002	2022-05-07	1.16	1.41	93	44	2.11	68	37	1.85
1431003070	2022-05-08	1.63	6.98	131	218	0.60	119	154	0.77

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1431004228	2022-05-08	0.65	0.94	52	29.4	1.77	44	24	1.87
1431004146	2022-05-08	1.02	2.07	82	65	1.26	45	53	0.84
1431004004	2022-05-08	0.37	1.08	30	34	0.88	26	30	0.84
1431004140	2022-05-08	0.76	0.54	61	16.9	3.61	50	14	3.64
1431004042	2022-05-08	0.50	1.74	40	54	0.74	33.85	45	0.75
1431004048	2022-05-08	0.69	1.40	55	44	1.26	48	38	1.27
1431004108	2022-05-09	0.62	1.14	50	36	1.39	47.9	30	1.62
1431003090	2022-05-10	0.63	1.14	50	36	1.42	37.01	30	1.22
1431003086	2022-05-11	0.70	1.17	56	37	1.53	48	32	1.53
1431004017	2022-05-12	1.01	0.78	81	24	3.32	67	17	3.84
1431004161	2022-05-13	0.83	0.75	66	23	2.84	56	18	3.10
1315013097	2022-05-13	0.23	2.55	18	80	0.23	13	71	0.19
1315013039	2022-05-13	0.17	2.64	14	83	0.16	10	67	0.15
1315013025	2022-05-14	0.13	1.08	10	34	0.31	11	28	0.42
1315014038	2022-05-14	0.17	0.12	14	4	3.63	3	2	1.46
1315014080	2022-05-14	0.17	0.42	14	13	1.04	8	11	0.79
1315013069	2022-05-14	0.17	2.59	14	81	0.17	13	76	0.18
1315013030	2022-05-14	0.11	0.28	9	8.8	1.01	12	7	1.58
1315013059	2022-05-14	0.16	2.11	13	66	0.19	15	60	0.25
1315013015	2022-05-14	0.19	2.23	15	70	0.22	7	64	0.12
1431005065	2022-05-14	1.73	1.90	139	59	2.33	133	44.5	2.98
1431005617	2022-05-15	2.73	1.28	219	40	5.46	134	29	4.59
1431005676	2022-05-15	0.58	0.44	46	14	3.38	42	11	3.79
1315014085	2022-05-15	0.25	0.18	20	6	3.56	15	3	5.48
1315014005	2022-05-15	0.15	1.64	12	51	0.23	9	45.9	0.21
1315014044	2022-05-15	0.14	0.09	11	2.8	3.99	14	.7	20.85
1431005620	2022-05-15	2.67	1.27	214	39.7	5.39	196	27	7.30
1315014061	2022-05-15	0.21	2.31	17	72	0.23	11	64	0.18
1315014025	2022-05-15	0.21	2.52	17	78.8	0.21	13	71	0.18
1431003382	2022-05-15	1.11	1.33	89	41.6	2.14	69	35	1.98
1431005028	2022-05-15	0.64	0.73	51	23	2.25	36	18	1.97
1431003371	2022-05-15	1.11	1.77	89	55	1.61	63.8	46	1.38
1322047202	2022-05-16	0.68	0.64	54	20	2.72	42	16	2.67
1322047206	2022-05-16	1.13	0.69	90	22	4.20	71	16	4.42
1322047122	2022-05-17	0.95	0.39	76	12	6.24	62	9	7.05
1431003298	2022-05-17	1.00	3.22	80	101	0.80	68	83	0.82
1322047194	2022-05-17	0.85	0.83	68	26	2.62	52	21	2.47
1322047213	2022-05-17	0.69	0.77	55	24	2.30	48	19	2.46
1431005679	2022-05-17	1.37	1.61	110	50	2.18	95	39	2.44
1431003343	2022-05-17	1.61	3.14	129	98	1.31	79	86.6	0.92
1322047177	2022-05-17	0.89	0.26	71	8	8.77	59	5	10.94
1315015141	2022-05-17	0.24	1.63	19	51	0.38	11	44	0.25
1322047127	2022-05-18	0.73	0.48	58	15	3.90	56.1	11	5.09
1315015155	2022-05-18	0.14	0.10	11	3	3.59	12	1	23.45
1322047146	2022-05-18	0.95	0.71	76	22	3.43	74	15	5.07
1317004014	2022-05-18	0.17	1.93	14	60	0.23	13	50	0.25
1317004032	2022-05-18	0.11	3.56	9	111	0.08	6.2	96	0.07
1317004061	2022-05-18	0.29	1.41	23	44	0.53	27.7	36	0.76
1317004065	2022-05-18	0.25	1.66	20	52	0.39	22.2	54.2	0.41
1317004085	2022-05-18	0.16	1.85	13	58	0.22	4	51	0.08
1317004100	2022-05-18	0.48	1.05	38	33	1.17	34	26	1.31
1317004111	2022-05-18	0.52	0.97	42	30	1.37	33.7	26	1.28
1317004153	2022-05-18	0.23	2.63	18	82	0.22	13.9	68	0.20
1317004156	2022-05-18	0.11	1.79	9	56	0.16	5	51	0.09
1317004170	2022-05-18	0.24	1.39	19	43	0.44	18.4	37	0.49
1317004219	2022-05-18	0.18	1.65	14	52	0.28	9.0	45	0.20
1317005006	2022-05-18	0.12	1.61	10	50	0.19	7.5	44.8	0.17
1317005047	2022-05-18	0.39	1.02	31	32	0.98	26.7	25	1.05
1317005065	2022-05-18	0.28	2.65	22	83	0.27	8.7	76.9	0.11
1317005166	2022-05-18	0.17	1.34	14	42	0.33	7.7	34	0.23
1317005173	2022-05-18	0.18	1.26	14	39	0.37	13	32	0.39
1317005179	2022-05-18	0.20	0.56	16	18	0.92	38	15	2.63
1317010033	2022-05-18	0.08	4.58	6	143	0.04	7.0	119.3	0.06
1317098001	2022-05-18	0.11	1.46	9	46	0.19	13	40	0.31
1318059023	2022-05-18	0.34	0.48	27	15	1.81	15	13	1.10
1318059031	2022-05-18	0.31	0.71	25	22	1.12	12	18	0.65
1318059050	2022-05-18	0.31	0.73	25	23	1.09	11	22	0.51
1318062002	2022-05-18	0.18	0.54	14	16.9	0.85	11	18	0.59
1318062063	2022-05-18	0.15	1.02	12	31.9	0.38	9	27	0.33
1318062071	2022-05-18	0.24	1.19	19	37	0.52	12	30	0.40
1318062134	2022-05-18	0.43	1.90	34	59.4	0.58	30	50	0.61
1318062178	2022-05-18	0.30	3.54	24	110.6	0.22	13	94.8	0.14
1318062225	2022-05-18	0.15	2.39	12	74.7	0.16	9.5	66	0.14
1318067014	2022-05-18	0.19	4.27	15	133.4	0.11	12	106	0.11
1318067106	2022-05-18	0.15	0.61	12	19	0.63	9	16.8	0.53
1318067117	2022-05-18	0.21	1.09	17	34	0.49	10	28	0.36
1318067184	2022-05-18	0.14	0.66	11	20.6	0.54	9.2	18.8	0.49
1318067237	2022-05-18	0.50	1.61	40	50	0.80	32	42	0.75
1318067266	2022-05-18	0.37	0.93	30	29	1.02	10.2	24.9	0.41
1318067326	2022-05-18	0.16	1.78	13	56	0.23	10.2	48.7	0.21
1318067342	2022-05-18	0.51	1.25	41	39	1.05	38	32	1.16
1318067356	2022-05-18	0.19	1.64	15	51	0.30	10.1	50	0.20
1318068094	2022-05-18	0.20	2.96	16	93	0.17	9.0	83	0.11
1318068101	2022-05-18	0.16	0.11	13	3.4	3.73	11.9	1.5	8.15

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1318068125	2022-05-18	0.43	1.99	34	62.2	0.55	15.0	50.3	0.30
1318068144	2022-05-18	0.15	2.21	12	69	0.17	12.7	61	0.21
1318068159	2022-05-18	0.08	2.43	6	75.9	0.08	7	68	0.11
1318073018	2022-05-18	0.30	0.88	24	28	0.87	20	25	0.80
1318073050	2022-05-18	0.11	2.31	9	72	0.12	8.0	59	0.14
1318074001	2022-05-18	0.21	7.46	17	233.1	0.07	13	191	0.07
1318075008	2022-05-18	0.25	1.66	20	52	0.39	14	47	0.29
1318075057	2022-05-18	0.28	2.00	22	63	0.36	11	55	0.20
1318075070	2022-05-18	0.16	1.63	12.8	50.9	0.25	10	44	0.22
1319034003	2022-05-18	0.30	1.83	24	57	0.42	23	52	0.44
1319034028	2022-05-18	0.35	1.84	28	58	0.49	28	51	0.55
1319034050	2022-05-18	0.39	1.70	31	53.1	0.59	24	48	0.49
1319034077	2022-05-18	0.32	1.82	26	57	0.45	23.4	49	0.48
1319034080	2022-05-18	0.39	1.86	31	58	0.54	28	51	0.56
1319043001	2022-05-18	0.95	2.19	76	68	1.11	56	61.4	0.92
1319043019	2022-05-18	0.18	2.49	14.4	77.8	0.19	9	73.8	0.12
1319043027	2022-05-18	0.15	1.13	12	35.3	0.34	9	33	0.28
1319043051	2022-05-18	0.17	1.14	14	36	0.38	6	37	0.16
1319043086	2022-05-18	0.89	1.89	71	59	1.21	58	53	1.09
1319043117	2022-05-18	0.36	4.79	29	150	0.19	28	138	0.20
1319043121	2022-05-18	1.10	1.65	88	52	1.71	86	46.3	1.85
1319043155	2022-05-18	0.78	1.71	62.4	53	1.17	52.6	50.7	1.04
1319043211	2022-05-18	0.84	2.25	67	70	0.96	0.01	63.4	0.00
1319043226	2022-05-18	0.44	1.73	35	54	0.65	35	49	0.72
1319055033	2022-05-18	0.41	2.29	33	72	0.46	14	63.12	0.21
1319055037	2022-05-18	0.94	1.90	75.3	59	1.27	72.0	52.1	1.38
1319055059	2022-05-18	0.68	1.90	54	59	0.92	47	54	0.89
1319055066	2022-05-18	0.87	2.43	70	76	0.92	62	63	0.98
1319056062	2022-05-18	0.71	2.31	57	72	0.79	56	63	0.88
1319056068	2022-05-18	0.19	2.97	15	92.8	0.16	8.71	84	0.10
1430097001	2022-05-18	0.54	2.07	43	64.7	0.67	29	55	0.52
1430097013	2022-05-18	0.88	1.54	70	48.1	1.46	54	41.3	1.30
1430097030	2022-05-18	1.49	7.25	119	227	0.53	108	163	0.66
1325079088	2022-05-18	0.37	0.39	30	12	2.43	28	13	2.13
1325079121	2022-05-18	0.26	0.24	21	8	2.78	17	4	3.83
1325079196	2022-05-18	0.59	0.24	47	8	6.30	41.0	4	9.26
1325079240	2022-05-18	0.92	0.24	74	8	9.82	66	3	20.50
1325079280	2022-05-18	0.40	0.21	32	6.6	4.88	22	5	4.77
1325079305	2022-05-18	0.55	0.97	44	30	1.45	51.9	22	2.36
1325079425	2022-05-18	0.43	0.59	34	18	1.87	28	14	1.95
1322047120	2022-05-19	0.96	0.72	77	23	3.42	59	16	3.67
1321070103	2022-05-19	0.73	1.39	58	43	1.35	64	37	1.72
1430097061	2022-05-19	1.11	5.77	89	180.3	0.49	82	150	0.55
1431003058	2022-05-19	0.85	0.79	68	25	2.76	61	19	3.24
1430097065	2022-05-19	0.86	2.96	69	93	0.74	59	78.1	0.76
1315015169	2022-05-19	0.19	2.20	15	69	0.22	5.94	57	0.10
1315015063	2022-05-19	0.28	2.67	22	83	0.27	18.01	74	0.24
1321070144	2022-05-20	0.42	1.80	34	56	0.60	32.99	49	0.67
1322047098	2022-05-20	0.94	0.93	75	29.1	2.59	62.86	18	3.42
1315015016	2022-05-20	0.13	1.39	10	43.4	0.24	12.99	38	0.34
1322047075	2022-05-20	1.03	0.48	82	15	5.50	68.52	10	6.64
1321070143	2022-05-20	0.65	1.69	52	53	0.99	45.21	47	0.95
1315015098	2022-05-20	0.19	0.15	15	5	3.25	15.38	2	8.18
1315015050	2022-05-20	0.26	2.51	21	78	0.27	13.64	70	0.19
1315015047	2022-05-20	0.27	2.47	22	77	0.28	26.66	66	0.40
1315015012	2022-05-20	0.19	2.15	15	67	0.23	14.98	59	0.25
1321070006	2022-05-21	0.52	1.44	42	45	0.93	39.29	39	1.00
1321070120	2022-05-21	0.62	1.37	50	43	1.16	50.38	37	1.35
1321070036	2022-05-21	0.57	1.36	46	43	1.07	43	37.6	1.16
1321070045	2022-05-21	0.58	1.53	46	48	0.97	44	39.5	1.11
1321070055	2022-05-21	0.39	1.31	31	41	0.76	24	37.4	0.64
1321070019	2022-05-21	0.52	1.45	42	45	0.92	37	40.3	0.92
1432083104	2022-05-21	1.08	1.50	86.5	46.9	1.84	74	39	1.91
1432083061	2022-05-21	1.95	3.55	156	111	1.41	74	79	0.93
1432083112	2022-05-22	0.56	1.58	45	49	0.91	35	42	0.84
1321070013	2022-05-23	0.36	1.34	29	42	0.69	25	35	0.70
1322047042	2022-05-23	0.84	0.63	67	20	3.42	76.49	15	5.21
1431004169	2022-05-23	0.91	1.40	73	44	1.67	62	37	1.69
1321070086	2022-05-23	0.64	1.25	51	39.1	1.31	60.54	34	1.80
1432083028	2022-05-23	1.29	0.98	103	30.6	3.37	81	22	3.68
1431004111	2022-05-23	0.72	0.95	58	30	1.94	34.8	24	1.44
1432083164	2022-05-23	0.47	0.67	38	21	1.80	32	16	1.96
1432083154	2022-05-23	0.57	1.29	46	40	1.13	42	35	1.19
1315013044	2022-05-23	0.17	1.12	14	35	0.39	9.23	30	0.31
1320053039	2022-05-23	0.69	1.79	55	55.9	0.99	48	51	0.94
1432083082	2022-05-23	1.59	1.29	127	40	3.16	94.9	29	3.29
1320053035	2022-05-23	0.61	1.58	49	49	0.99	40	42	0.95
1322047008	2022-05-24	0.61	0.55	49	17	2.84	48.61	12.2	3.98
1432082258	2022-05-26	0.25	1.02	20	32	0.63	20	25	0.80
1432082227	2022-05-26	0.24	1.10	19	34	0.56	18	28	0.63
1432082306	2022-05-26	0.31	3.22	25	101	0.25	1	81	0.02
1313001001	2022-05-27	0.23	1.78	18	56	0.33	17	50	0.33
1314004071	2022-05-27	0.23	0.79	18	25	0.75	13	20	0.62
1314004703	2022-05-27	0.11	1.13	9	35	0.25	13	31	0.42

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1314004725	2022-05-27	0.09	1.27	7	40	0.18	18	35	0.51
1313001006	2022-05-27	0.46	1.50	37	46.9	0.79	31	37	0.83
1314004068	2022-05-28	0.32	0.81	26	25.3	1.01	23	21	1.06
1314004079	2022-05-28	0.13	1.43	10	45	0.23	10	39	0.26
1314004149	2022-05-29	1.07	0.36	86	11.3	7.61	86	5	16.45
1314004095	2022-05-29	0.74	0.68	59	21	2.79	69	14	4.85
1314004153	2022-05-29	0.16	2.44	13	76.3	0.17	10	65	0.16
1314004739	2022-05-30	0.33	1.12	26	35.0	0.75	17	29	0.57
1322047006	2022-05-30	1.10	0.87	88	27	3.24	77	17	4.58
1314004131	2022-05-30	0.17	2.02	14	63	0.22	13	52	0.25
1314004414	2022-05-30	0.20	1.78	16	56	0.29	11	49	0.23
1314004387	2022-05-31	0.26	1.25	21	39	0.53	18	33	0.55
1314004009	2022-06-01	0.25	1.36	20	43	0.47	11	36	0.30
1314004716	2022-06-01	0.45	0.77	36	24	1.50	26	22	1.20
1324072024	2022-06-01	0.90	1.21	72	38	1.91	64	28	2.33
1314004141	2022-06-01	0.25	0.75	20	23	0.85	19	20	0.96
1324072129	2022-06-01	0.78	0.77	62	24	2.60	58	18	3.28
1324072193	2022-06-01	0.44	0.68	35	21	1.66	49	14	3.37
1314004390	2022-06-01	0.28	1.83	22	57	0.39	24.9	50	0.50
1314004389	2022-06-01	0.27	1.74	22	54	0.40	16	23	0.69
1314004731	2022-06-01	0.27	1.28	22	40	0.54	12.83	34	0.37
1324072198	2022-06-02	0.59	0.84	47	26	1.80	42	18	2.28
1314004029	2022-06-02	0.18	0.94	14.4	29	0.49	20	27	0.76
1314004062	2022-06-02	0.22	2.72	18	85	0.21	9.8	75	0.13
1324072100	2022-06-02	0.64	0.26	51	8	6.31	47	5	8.96
1324072166	2022-06-02	0.57	0.39	46	12	3.74	38	9	4.28
1324072224	2022-06-02	0.61	0.34	49	10.6	4.60	47	7	6.43
1324072411	2022-06-02	0.64	0.42	51	13	3.90	48.43	11	4.60
1324072012	2022-06-02	0.94	0.33	75	10	7.30	62	6	11.04
1324072131	2022-06-02	0.83	0.31	66	10	6.86	58	5.2	11.23
1324079114	2022-06-03	0.63	0.54	50	16.9	2.99	41.59	12	3.47
1324079157	2022-06-03	0.60	0.22	48	7	6.99	45	4	11.60
1324072240	2022-06-03	0.77	0.31	62	10	6.36	57	6	9.92
1324079015	2022-06-04	0.50	0.44	40	14	2.91	35.97	10	3.54
1324079113	2022-06-04	0.70	0.35	56	11	5.12	43	8	5.16
1324079129	2022-06-05	1.13	0.66	90	21	4.39	80	17	4.83
1324079403	2022-06-05	0.69	0.26	55	8	6.80	48.1	5	9.09
1431099044	2022-06-06	1.35	0.59	108	18	5.86	104	15	6.97
1324081013	2022-06-07	0.69	0.19	55	6	9.30	44	4	11.10
1324081203	2022-06-07	0.92	0.14	74	4	16.84	59	1	61.94
1324079001	2022-06-07	0.69	0.32	55	10	5.52	51	6	8.66
1324081001	2022-06-08	0.74	0.32	59	10.0	5.92	82	8	9.80
1324081403	2022-06-08	1.42	0.44	114	14	8.27	59.5	10	5.78
1324081044	2022-06-08	0.64	0.24	51	8	6.83	52	5	11.17
1324081409	2022-06-08	0.55	0.38	44	12	3.71	40.8	9	4.33
1324081225	2022-06-09	0.92	0.31	74	10	7.60	56	7	7.58
1314005013	2022-06-09	0.24	3.11	19	97	0.20	14	87	0.16
1314005105	2022-06-09	0.20	3.21	16	100	0.16	11.12	91	0.12
1314005088	2022-06-09	0.44	0.60	35	19	1.88	28	17	1.68
1314005006	2022-06-09	0.17	0.73	14	23	0.60	10	22.3	0.46
1314005026	2022-06-09	0.23	3.18	18	99	0.19	15	90.5	0.16
1314005606	2022-06-09	0.07	3.04	6	95	0.06	7	88.5	0.08
1314005049	2022-06-09	0.09	3.68	7	115	0.06	7	103	0.07
1324081034	2022-06-09	0.63	0.93	50	29	1.74	31	25.0	1.26
1314005524	2022-06-09	0.38	1.37	30	43	0.71	21	38.7	0.55
1314005528	2022-06-09	0.62	1.54	50	48	1.03	33	43	0.77
1314005057	2022-06-09	0.22	1.55	18	48	0.36	12	43	0.28
1314005003	2022-06-10	0.11	2.55	9	80	0.11	9	75	0.13
1314005542	2022-06-10	0.29	1.23	23	38	0.60	10	37.5	0.26
1314003082	2022-06-10	0.17	1.61	14	50	0.27	12	45	0.27
1314003145	2022-06-11	0.14	0.49	11	15	0.73	16	14.4	1.09
1314003053	2022-06-11	0.18	1.32	14	41	0.35	15	38	0.40
1314002129	2022-06-11	0.21	1.47	17	46	0.37	18	41	0.43
1314003210	2022-06-11	0.29	1.09	23	34	0.68	17	32	0.52
1314003092	2022-06-11	0.14	0.92	11	29	0.39	16	27.1	0.59
1314002013	2022-06-11	2.13	0.99	171	31	5.51	125	22	5.61
1314003132	2022-06-11	0.19	0.70	15	22	0.70	9	20.9	0.44
1314003066	2022-06-11	0.15	1.46	12	46	0.26	11	42.84	0.26
1314002137	2022-06-11	0.27	4.10	22	128	0.17	13	113.5	0.12
1314003077	2022-06-11	0.10	1.37	8	43	0.19	8	38.0	0.20
1314002060	2022-06-12	0.58	1.29	46	40	1.15	36	38	0.93
1314003209	2022-06-12	0.70	1.24	56	39	1.45	43	34.6	1.23
1314003520	2022-06-13	0.19	0.62	15	19	0.79	13	19.5	0.67
1314003531	2022-06-13	0.27	1.83	22	57	0.38	30.11	50.6	0.59
1323068031	2022-06-14	0.82	5.27	66	165	0.40	53.1	134	0.40
1314002045	2022-06-14	0.75	1.38	60	43	1.39	43	38	1.15
1323068011	2022-06-14	0.84	2.27	67	71	0.95	55.2	51	1.08
1314002100	2022-06-14	0.27	1.93	22	60	0.36	18.41	54	0.34
1323068082	2022-06-14	1.57	1.56	126	49	2.58	99.8	37	2.67
1314002140	2022-06-14	0.50	2.91	40	91	0.44	24.12	81	0.30
1314003178	2022-06-15	0.19	0.47	15	15	1.04	14	16	0.91
1314002096	2022-06-15	0.23	1.60	18	50	0.37	11.6	46	0.25
1314002125	2022-06-15	0.21	0.99	17	31	0.54	13	28	0.48
1323068141	2022-06-15	1.05	2.44	84	76	1.10	82	48	1.73

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1323068164	2022-06-15	1.52	2.01	122	63	1.94	127.95	42	3.06
1314002177	2022-06-15	0.44	3.78	35	118	0.30	30	106	0.29
1323068013	2022-06-15	0.55	1.14	44	36	1.24	42.4	27	1.55
1314002169	2022-06-15	0.23	2.15	18	67	0.27	17	58	0.29
1314002160	2022-06-15	0.39	0.63	31	19.7	1.59	21.8	17	1.26
1314002020	2022-06-15	0.24	2.23	19	70	0.28	9	64	0.14
1323069066	2022-06-16	0.78	0.33	62	10	6.06	52	7	7.48
1323068050	2022-06-16	0.64	0.42	51	13	3.90	44	8	5.50
1323069131	2022-06-16	0.72	0.38	58	12	4.85	52	8	6.78
1323068401	2022-06-16	0.63	0.64	50	20	2.52	43	17	2.50
1323069064	2022-06-16	0.80	0.36	64	11	5.69	55.51	9	6.09
1323069141	2022-06-16	0.62	0.78	50	24	2.04	52.57	20	2.59
1323069043	2022-06-16	0.67	0.38	54	11.9	4.52	51	9	5.62
1323068418	2022-06-16	0.59	0.45	47	14	3.36	41	10	4.08
1323069311	2022-06-16	0.65	0.32	52	10	5.20	49	7	7.28
1323069324	2022-06-16	0.63	0.66	50	20.6	2.45	48	16	3.00
1323069035	2022-06-17	0.72	0.30	58	9.4	6.15	42.38	5	9.06
1323069051	2022-06-17	0.56	0.16	45	5	8.97	38.26	2	20.57
1323069019	2022-06-17	0.67	0.18	54	6	9.54	46	2	23.70
1323069343	2022-06-17	0.72	0.95	58	30	1.94	50	27	1.83
1314003549	2022-06-18	0.32	0.80	26	25	1.02	2	21	0.11
1323069167	2022-06-18	0.81	0.24	65	8	8.65	59	5	11.13
1314002131	2022-06-18	0.70	2.45	56	77	0.73	16.24	60	0.27
1314003014	2022-06-18	0.19	1.31	15.2	40.9	0.37	8	29	0.28
1314003033	2022-06-18	0.11	1.87	9	58	0.15	12.8	37	0.35
1314002147	2022-06-18	0.25	4.17	20	130	0.15	21	111	0.19
1323070412	2022-06-18	0.56	0.40	45	13	3.59	43	10	4.24
1323069063	2022-06-19	0.78	0.40	62	13	5.00	56	9	6.01
1431007084	2022-06-19	0.49	1.38	39	43	0.91	32.99	37	0.90
1323069181	2022-06-19	0.58	0.81	46	25	1.83	35	21	1.68
1314003528	2022-06-19	0.28	1.11	22	34.7	0.65	3.92	59	0.07
1323070023	2022-06-20	0.57	0.39	46	12	3.74	39	11	3.69
1323070047	2022-06-20	0.57	0.16	46	5	9.13	38.95	4	10.12
1431007061	2022-06-20	0.63	2.26	50	71	0.71	45	62	0.71
1323069001	2022-06-20	0.77	0.60	62	19	3.29	54	15.3	3.50
1431007349	2022-06-20	1.90	2.14	152	67	2.27	107	54.9	1.96
1431007276	2022-06-20	1.72	3.06	138	96	1.44	111	79.8	1.39
1323070039	2022-06-20	0.61	0.36	49	11	4.34	42	9	4.53
1314012169	2022-06-20	0.19	2.53	15	79	0.19	16	69.0	0.23
1431007284	2022-06-21	1.80	2.31	144	72	2.00	79	57	1.40
1431007401	2022-06-22	2.08	3.69	167	115	1.44	146	94.7	1.54
1431007089	2022-06-22	0.94	2.08	75	65.0	1.16	65	58	1.12
1431007375	2022-06-22	1.71	5.21	137	162.8	0.84	101	135.9	0.74
1314012114	2022-06-22	0.21	2.18	17	68.1	0.25	12	58	0.20
1314012226	2022-06-22	0.26	1.94	21	61	0.34	17	53.2	0.32
1431007037	2022-06-22	0.54	1.89	43	59	0.73	37	51.5	0.72
1431007158	2022-06-22	1.12	1.98	90	62	1.45	69	54.8	1.26
1431007035	2022-06-22	0.65	1.79	52	56	0.93	38.7	47	0.82
1431007290	2022-06-22	1.91	3.52	153	110.0	1.39	118	92	1.28
1431007246	2022-06-22	1.63	2.28	131	71	1.83	105.36	59.9	1.76
1431007156	2022-06-22	0.84	1.99	67	62	1.08	59	54	1.10
1432017404	2022-06-23	0.95	1.94	76	61	1.25	68	54	1.26
1431007233	2022-06-23	0.91	1.73	73	54	1.35	62	48	1.30
1431007206	2022-06-23	0.88	0.77	70	24	2.93	62.16	21.3	2.92
1431007234	2022-06-23	0.74	1.48	59	46.3	1.28	52.67	43	1.23
1432017011	2022-06-23	0.44	2.80	35	87.5	0.40	28	87	0.33
1432017044	2022-06-24	0.57	7.85	46	245.3	0.19	8	204	0.04
1432017073	2022-06-24	0.44	4.03	35	126	0.28	17.43	105	0.17
1432017031	2022-06-24	0.60	4.40	48	138	0.35	10	116	0.08
1432017113	2022-06-24	0.71	2.36	57	74	0.77	16.9	58.1	0.29
1432017116	2022-06-24	1.69	1.73	135	54	2.50	71	47	1.52
1432017133	2022-06-24	1.55	1.21	124	38	3.28	78.98	35	2.28
1432017081	2022-06-24	1.20	4.85	96	152	0.63	69	135	0.51
1432017118	2022-06-24	0.73	2.25	58	70	0.83	47	60	0.78
1432017057	2022-06-24	0.41	8.12	33	254	0.13	7.14	213	0.03
1323070012	2022-06-25	0.57	0.22	46	7	6.64	47	5	9.78
1432017198	2022-06-25	0.25	2.58	20	81	0.25	12.15	72.9	0.17
1432017141	2022-06-25	0.34	5.25	27	164.1	0.17	11	157	0.07
1323070002	2022-06-25	0.51	0.37	41	11.6	3.53	51	11	4.64
1432018196	2022-06-25	0.26	3.47	21	108	0.19	13	99	0.13
1432018064	2022-06-25	1.36	1.72	109	54	2.03	81	47	1.72
1432018025	2022-06-25	1.87	2.65	150	83	1.81	126.89	73.3	1.73
1432018195	2022-06-25	0.17	2.94	14	92	0.15	9	97	0.09
1432018137	2022-06-26	0.31	3.80	25	119	0.21	10	97	0.10
1432017149	2022-06-26	0.80	1.75	64	55	1.17	31	43	0.73
1432018085	2022-06-26	0.61	5.55	49	173	0.28	38	177	0.21
1314012117	2022-06-26	0.31	2.03	25	63	0.39	15.16	52.6	0.29
1314012215	2022-06-26	0.28	2.74	22	86	0.26	20.59	72	0.29
1432018178	2022-06-27	0.62	0.99	50	30.9	1.60	39	25	1.57
1314012122	2022-06-27	0.19	0.22	15	7	2.21	21	5	4.65
1323070130	2022-06-27	0.71	0.29	57	9	6.27	56.97	6	10.23
1432018804	2022-06-27	0.73	1.58	58	49	1.18	71	43	1.66
1314012101	2022-06-27	0.14	2.95	11	92.2	0.12	7	80	0.08
1314012093	2022-06-27	0.18	0.09	14	3	5.12	16.08	1	11.65

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1323070519	2022-06-28	0.65	0.55	52	17	3.03	48.1	11	4.55
1323070536	2022-06-28	0.41	0.37	33	12	2.84	27	10	2.79
1314012060	2022-06-28	0.20	2.10	16	65.6	0.24	9.87	58	0.17
1314012885	2022-06-28	0.19	0.60	15	19	0.81	16.906	16	1.06
1314012067	2022-06-28	0.17	0.12	14	4	3.63	15	2	6.70
1314012022	2022-06-28	0.18	3.94	14	123.1	0.12	12.5	107	0.12
1314012883	2022-06-29	0.21	2.95	17	92	0.18	18	80	0.22
1314012818	2022-06-29	0.26	2.83	21	88	0.24	22	78	0.28
1314008086	2022-06-29	0.11	2.99	9	93.4	0.09	11	83.8	0.13
1314012870	2022-06-29	0.14	2.78	11	87	0.13	11	77.4	0.14
1314008149	2022-06-29	0.22	2.04	18	64	0.28	17.26	57	0.31
1314012033	2022-06-29	0.17	0.24	14	8	1.81	13	6	2.39
1314012007	2022-06-29	0.27	1.31	22	40.9	0.53	12	37.6	0.32
1314008128	2022-06-29	0.17	1.74	14	54	0.25	12	49	0.25
1314008079	2022-06-29	0.07	4.74	6	148	0.04	9.78	118.8	0.08
1314008062	2022-06-30	0.09	1.99	7	62	0.12	6	56	0.11
1323069114	2022-06-30	0.66	0.29	53	9	5.83	49	6	8.33
1323070506	2022-06-30	0.69	0.49	55	15	3.61	52.61	11.5	4.57
1323070568	2022-06-30	0.67	1.27	54	40	1.35	46	32	1.46
1431007260	2022-06-30	1.19	2.89	95	90	1.05	82	79	1.03
1314008107	2022-06-30	0.17	2.56	14	80	0.17	14.0	69	0.20
1314010050	2022-07-01	0.21	1.54	17	48	0.35	18	42	0.42
1314008176	2022-07-01	0.24	1.88	19	59	0.33	15	53	0.28
1314010088	2022-07-01	0.16	0.55	13	17	0.75	12	15	0.81
1314008002	2022-07-01	0.07	1.58	6	49	0.11	10	44	0.23
1314010084	2022-07-01	0.23	1.66	18	52	0.35	16	47	0.34
1322049419	2022-07-01	1.79	0.91	143	28	5.04	121	18	6.77
1314008010	2022-07-01	0.16	4.28	13	134	0.10	18	118	0.15
1322049438	2022-07-01	1.29	1.35	103	42	2.45	73	31	2.35
1322049001	2022-07-02	0.41	0.65	33	20	1.62	32	16	1.94
1314010156	2022-07-03	0.14	2.07	11	65	0.17	9	54	0.16
1314008094	2022-07-03	0.18	1.42	14	44	0.32	11.95	41.6	0.29
1314010115	2022-07-03	0.25	1.49	20	47	0.43	14.41	43	0.34
1314010073	2022-07-03	0.50	0.92	40	29	1.39	41.08	26	1.58
1322049228	2022-07-03	0.89	0.67	71	21	3.40	62	15	4.14
1318083002	2022-07-04	0.65	2.47	52	77	0.67	48	67	0.72
1318083038	2022-07-04	0.32	2.70	26	84	0.30	18	72.9	0.25
1314010043	2022-07-04	0.51	1.27	41	40	1.03	41	34	1.20
1314010180	2022-07-04	0.27	2.56	22	80	0.27	20	72	0.28
1314010024	2022-07-04	0.17	1.88	14	59	0.23	13	52	0.25
1318083023	2022-07-04	0.89	2.50	71	78	0.91	71	67	1.06
1318083082	2022-07-04	0.10	3.34	8	104	0.08	7.7	91	0.09
1322049170	2022-07-05	0.39	0.28	31	9	3.57	36	5	6.69
1322049031	2022-07-05	0.68	0.83	54	26	2.10	50.98	22	2.29
1314010611	2022-07-05	0.25	0.85	20	26.6	0.75	15	23	0.64
1322049116	2022-07-05	0.64	3.90	51	121.9	0.42	51	99	0.51
1322049068	2022-07-05	1.27	2.27	102	71	1.43	99.08	53	1.87
1322049108	2022-07-05	1.03	3.14	82	98	0.84	38	66	0.57
1322049053	2022-07-05	0.96	2.96	77	93	0.83	37	68	0.55
1318083100	2022-07-05	0.18	5.25	14	164	0.09	14	140	0.10
1318083059	2022-07-05	0.22	3.55	18	111	0.16	17	97	0.17
1314010606	2022-07-05	0.32	3.34	26	104	0.25	15	93	0.16
1322049035	2022-07-05	0.64	0.58	51	18	2.83	55	15	3.72
1322049034	2022-07-05	1.62	2.05	130	64	2.02	88	47	1.87
1322049138	2022-07-05	1.13	1.77	90	55	1.64	85	40	2.12
1314010190	2022-07-06	0.08	1.45	6	45	0.14	9	42	0.22
1322049084	2022-07-06	0.65	1.20	52	38	1.39	60	25	2.39
1433006010	2022-07-06	0.52	0.27	42	8	4.93	42	4	9.55
1433006038	2022-07-07	0.75	1.02	60	32	1.88	51.82	26	1.98
1322049135	2022-07-07	1.06	0.79	85	25	3.44	71	18	3.89
1322048034	2022-07-07	0.86	0.72	69	23	3.06	58	13	4.45
1322048147	2022-07-07	0.60	0.41	48	13	3.75	44.56	10	4.39
1322048517	2022-07-07	0.65	0.96	52	30	1.73	17	55	0.31
1322048509	2022-07-07	0.74	0.94	59	29	2.02	55	24.4	2.26
1433006020	2022-07-07	0.22	0.57	18	18	0.99	22	16	1.41
1322048116	2022-07-07	1.12	3.34	90	104.4	0.86	62.18	73	0.85
1322048150	2022-07-08	0.54	0.62	43	19.4	2.23	39	14	2.80
1432081116	2022-07-08	1.14	1.37	91	42.8	2.13	88	35	2.54
1322048049	2022-07-08	0.70	1.52	56	47.5	1.18	43	37	1.14
1322048114	2022-07-08	0.63	0.10	50	3	16.14	49.04	1	58.38
1322051107	2022-07-09	0.96	0.33	77	10.3	7.45	63	8	8.26
1322051109	2022-07-09	0.65	1.02	52	32	1.63	48	27	1.77
1322048076	2022-07-09	0.49	1.87	39	58	0.67	38	55	0.70
1322051095	2022-07-09	0.60	0.23	48	7	6.68	36	5	7.61
1322051020	2022-07-10	0.39	0.21	31	7	4.76	33	4	8.85
1322051078	2022-07-10	1.09	0.28	87	8.8	9.97	72	5	14.82
1322050418	2022-07-10	0.56	0.48	45	15	2.99	38	11	3.34
1322050428	2022-07-10	0.62	0.26	50	8	6.11	43	5	9.43
1322051064	2022-07-10	0.51	0.15	41	5	8.71	33.84	3	11.51
1322050090	2022-07-10	0.46	0.31	37	10	3.80	40.69	5	7.41
1314010089	2022-07-12	0.17	1.17	14	37	0.37	21	29	0.73
1322048068	2022-07-12	0.64	1.56	51	49	1.05	47.11	33	1.44
1314012827	2022-07-12	0.13	3.13	10	98	0.11	13	86	0.15
1323069175	2022-07-12	0.72	0.87	58	27	2.12	51	15	3.37

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1431007150	2022-07-12	0.78	1.96	62	61	1.02	66	54	1.22
1431007212	2022-07-12	1.01	1.83	81	57	1.41	59	47	1.26
1323069069	2022-07-12	0.76	0.36	61	11	5.41	59	9.0	6.57
1431007261	2022-07-12	0.90	1.42	72	44	1.62	61	40	1.53
1314007001	2022-07-15	0.21	1.25	17	39	0.43	10	36	0.27
1314007085	2022-07-15	0.29	2.64	23	83	0.28	21	73	0.29
1432023145	2022-07-15	0.74	1.58	59	49	1.20	56.85	40	1.43
1432023077	2022-07-15	1.46	1.08	117	34	3.46	91	29	3.17
1321071029	2022-07-16	0.51	1.15	41	36	1.14	28	31	0.89
1318089205	2022-07-16	0.85	2.25	68	70.3	0.97	63.7	61	1.04
1321071202	2022-07-16	0.56	2.45	45	77	0.59	38	64	0.60
1321071251	2022-07-16	0.93	1.26	74	39	1.89	38	37	1.04
1318089010	2022-07-16	0.93	2.68	74	84	0.89	51	66	0.76
1318089052	2022-07-16	0.87	2.15	70	67	1.04	59	59	1.01
1314007032	2022-07-16	0.32	1.21	26	38	0.68	20	32.14	0.61
1321071163	2022-07-17	0.28	2.46	22	77	0.29	22	67.4	0.32
1321071226	2022-07-17	0.39	1.25	31	39	0.80	30	27	1.14
1321071115	2022-07-17	0.49	0.35	39	11	3.59	34	8	4.24
1321072203	2022-07-17	0.13	0.61	10	19	0.55	4	15.5	0.29
1321072277	2022-07-17	0.17	0.97	14	30	0.45	8	22.9	0.34
1321071091	2022-07-17	0.62	1.14	50	35.6	1.39	51	31.7	1.61
1321072310	2022-07-17	0.50	0.30	40	9	4.27	36	7	5.08
1321071101	2022-07-19	0.87	0.79	70	25	2.82	119	16.7	7.10
1321071110	2022-07-19	0.71	1.10	57	34	1.65	35	35.5	0.97
1321074003	2022-07-19	0.31	0.56	25	18	1.42	24.98	15.1	1.66
1321074061	2022-07-19	0.57	0.79	46	25	1.85	41	15	2.63
1321074001	2022-07-20	0.38	0.98	30	31	0.99	34.03	25	1.36
1321074132	2022-07-20	0.57	1.31	46	41	1.11	43	33	1.29
1321074049	2022-07-20	0.50	0.11	40	3	11.65	49	1	47.50
1431012442	2022-07-20	0.99	1.33	79	42	1.91	86	34	2.54
1314012233	2022-07-21	0.11	2.16	9	68	0.13	10	62	0.16
1318089020	2022-07-21	0.44	2.65	35	83	0.43	13	72.7	0.19
1321071211	2022-07-21	0.63	1.24	50	39	1.30	46	34	1.36
1321074162	2022-07-21	0.71	2.33	57	73	0.78	57.7	63	0.92
1431012329	2022-07-21	0.58	0.97	46	30	1.53	37.36	26	1.41
1321074175	2022-07-21	0.68	0.23	54	7	7.57	50	2	23.73
1321074125	2022-07-21	0.45	0.22	36	7	5.24	42	4	10.67
1431012362	2022-07-21	0.47	0.82	38	26	1.47	38	21	1.80
1321074085	2022-07-22	0.37	0.22	30	7	4.31	35	3	12.93
1431012418	2022-07-22	0.55	0.56	44	18	2.52	49	13	3.68
1321074084	2022-07-22	0.56	0.42	45	13.1	3.42	43	10	4.29
1431012322	2022-07-22	1.14	0.90	91	28.1	3.25	87.4	24	3.68
1431012566	2022-07-22	0.36	1.79	29	56	0.52	28	50	0.56
1321075151	2022-07-22	0.79	1.03	63	32	1.97	19	21	0.88
1431012570	2022-07-23	0.28	0.70	22	22	1.02	23	18	1.33
1321075123	2022-07-23	0.46	0.90	37	28	1.31	37.65	23	1.67
1432021054	2022-07-25	0.37	1.48	29.6	46.3	0.64	17	42	0.40
1432021090	2022-07-25	0.95	5.85	76	183	0.42	62	165	0.38
1321073245	2022-07-27	0.75	1.49	60	46.6	1.29	58.4	36.0	1.62
1321073304	2022-07-27	0.34	1.33	27	41.6	0.65	30.46	39	0.78
1321075401	2022-07-27	1.05	1.61	84	50	1.67	85	45	1.88
1321073232	2022-07-27	0.54	1.33	43	42	1.04	35	36	0.99
1321073288	2022-07-27	0.70	1.12	56	35	1.60	49	32.4	1.52
1321079122	2022-07-27	0.45	0.48	36	15	2.40	39	9	4.20
1321073429	2022-07-27	0.64	1.35	51	42	1.21	50.51	37	1.37
1321073444	2022-07-28	0.68	1.63	54	51	1.07	53	48	1.11
1321074114	2022-07-29	0.24	0.20	19	6	3.07	26	4	7.22
1321078109	2022-08-01	0.87	0.12	70	4	18.57	60		176.47
1321081120	2022-08-01	1.40	2.56	112	80	1.40	92	57	1.62
1321078064	2022-08-01	0.64	0.44	51	14	3.73	50	10	4.86
1321080044	2022-08-01	3.39	1.13	271	35	7.69	144	26.2	5.51
1321078135	2022-08-01	0.96	0.44	77	14	5.59	65.6	11	5.72
1321081081	2022-08-01	1.21	1.25	97	39	2.48	71.8	27	2.64
1321081001	2022-08-02	1.61	1.64	129	51	2.52	96	38	2.56
1321081079	2022-08-02	1.43	3.55	114	110.9	1.03	67	83	0.81
1321080106	2022-08-02	0.66	0.66	53	21	2.56	49	16	3.07
1321080730	2022-08-02	0.81	0.54	65	17	3.84	57	13	4.41
1321079119	2022-08-03	0.38	1.99	30	62	0.49	37	53.4	0.68
1321081020	2022-08-04	0.94	1.63	75	51	1.48	69	41.0	1.69
1321081041	2022-08-04	1.07	3.65	86	114	0.75	76	95	0.80
1313003009	2022-08-04	0.19	0.77	15	24	0.63	9	19.7	0.46
1313003070	2022-08-04	0.21	0.47	17	15	1.14	12	11	1.12
1313003037	2022-08-05	0.18	0.73	14	23	0.63	14	21	0.67
1313003193	2022-08-05	0.28	0.75	22	23.4	0.96	22.7	20	1.11
1313003073	2022-08-05	0.20	0.81	16	25	0.63	12	21	0.60
1313005138	2022-08-05	0.16	0.36	13	11	1.14	13	10	1.33
1313003047	2022-08-05	0.37	0.74	30	23	1.28	25	21	1.22
1313005163	2022-08-05	0.09	0.75	7	23	0.31	11.21	20	0.56
1313002001	2022-08-05	0.15	1.69	12.0	53	0.23	9.25	42	0.22
1313003183	2022-08-05	0.19	0.49	15	15	0.99	17	13	1.32
1313003127	2022-08-05	0.18	0.87	14	27	0.53	16	24	0.64
1313006005	2022-08-06	0.17	4.23	14	132.2	0.10	8	113	0.07
1313006335	2022-08-06	0.22	0.74	18	23	0.76	15	21	0.72
1313003083	2022-08-06	0.22	1.61	18	50	0.35	15	44	0.34

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1313006009	2022-08-06	0.12	2.03	10	63	0.15	8	60	0.13
1313009418	2022-08-06	0.50	1.26	40	39	1.02	39	33.8	1.14
1320058179	2022-08-06	0.34	1.28	27	40	0.68	9	34	0.28
1320058056	2022-08-06	0.33	0.29	26	9	2.92	33	4	8.00
1320058061	2022-08-06	0.40	1.04	32	33	0.99	35.2	26.6	1.33
1320058074	2022-08-06	0.45	0.72	36	23	1.60	35	19	1.82
1320058079	2022-08-06	0.48	0.62	38	19	1.98	42	14	2.92
1320058168	2022-08-07	0.29	0.85	23	27	0.87	22	22	0.97
1313009432	2022-08-07	0.12	0.99	10	31	0.31	4	26	0.14
1432080073	2022-08-07	0.95	0.87	76	27	2.80	66.5	24	2.72
1432080097	2022-08-07	1.22	1.09	98	34	2.87	85	29	2.90
1432080143	2022-08-07	1.17	0.74	94	23	4.05	74.4	18	4.15
1432080198	2022-08-07	1.27	2.09	102	65	1.56	96.2	52	1.85
1320054004	2022-08-07	1.02	1.52	82	48	1.72	67.9	40	1.70
1320058155	2022-08-07	0.22	1.64	18	51	0.34	17.2	42	0.41
1320058205	2022-08-07	0.63	1.53	50	48	1.05	50.0	43	1.17
1320054221	2022-08-07	0.59	0.08	47	3	18.90	41.1		274.00
1320058188	2022-08-07	0.62	1.61	50	50	0.99	42.7	45	0.94
1320054200	2022-08-07	0.35	0.27	28	8	3.32	44.0	5	8.76
1313004053	2022-08-08	0.15	2.04	12	64	0.19	10.2	56	0.18
1320058045	2022-08-08	0.48	0.58	38	18	2.12	33.9	14	2.35
1432080039	2022-08-08	0.85	0.96	68	30	2.27	59.5	26	2.32
1432080060	2022-08-08	1.05	1.50	84	47	1.79	68.5	35	1.93
1432080088	2022-08-08	1.04	1.64	83	51	1.62	72.4	43	1.69
1432080125	2022-08-08	0.80	2.24	64	70	0.92	57.3	60	0.95
1320054011	2022-08-08	0.61	1.13	49	35	1.38	41.7	33	1.28
1320054170	2022-08-08	0.33	0.32	26	10	2.64	26.5	9	3.00
1320054095	2022-08-09	0.88	1.25	70	39	1.80	67.6	33	2.07
1320054193	2022-08-09	0.33	1.46	26	46	0.58	24.5	43	0.57
1320054224	2022-08-09	0.74	1.70	59	53	1.12	60.6	35	1.73
1313007328	2022-08-09	0.14	1.96	11	61	0.18	12.8	53	0.24
1313007340	2022-08-09	0.16	0.08	13	3	5.12	10.6		70.67
1320054057	2022-08-09	1.06	2.12	85	66	1.28	71.8	61	1.19
1320054032	2022-08-09	1.18	1.63	94	51	1.85	71.0	43	1.63
1313004032	2022-08-10	0.18	1.87	14	58	0.25	6.0	56	0.11
1313007313	2022-08-10	0.23	3.28	18	103	0.18	15.6	91	0.17
1320054040	2022-08-10	0.57	1.21	46	38	1.21	40.5	33	1.21
1320056417	2022-08-10	0.06	0.22	5	7	0.70	12.6	4	3.41
1320056001	2022-08-13	0.61	1.03	49	32	1.52	45.7	29	1.58
1320056631	2022-08-13	0.08	0.18	6	6	1.14	5.0	6	0.84
1320056090	2022-08-13	0.13	0.92	10	29	0.36	8.7	24	0.36
1320056816	2022-08-13	0.71	2.06	57	64	0.88	49.6	57	0.87
1313009055	2022-08-13	0.20	1.44	16	45	0.36	7.5	42	0.18
1320056673	2022-08-14	0.25	0.62	20	19	1.03	14.7	17	0.87
1320056772	2022-08-14	0.30	0.73	24	23	1.05	20.4	19	1.06
1320056793	2022-08-14	0.42	1.43	34	45	0.75	33.7	39	0.87
1320056168	2022-08-14	0.46	1.41	37	44	0.84	38.5	39	0.98
1320056719	2022-08-14	0.54	0.95	43	30	1.46	35.6	26	1.35
1313009001	2022-08-14	0.33	1.86	26	58	0.45	21.5	48	0.44
1313007017	2022-08-14	0.20	2.25	16	70	0.23	9.7	58	0.17
1313009079	2022-08-14	0.52	3.18	42	99	0.42	39.6	91	0.44
1313009059	2022-08-14	0.11	1.99	9	62	0.14	6.7	53	0.13
1313009041	2022-08-14	0.22	1.50	18	47	0.38	11.0	40	0.27
1313009014	2022-08-14	0.19	1.41	15	44	0.35	10.7	41	0.26
1313007126	2022-08-15	0.18	0.08	14	3	5.76	16.8	1	12.32
1320056647	2022-08-15	0.74	1.42	59	44	1.34	46.2	39	1.18
1313007161	2022-08-15	0.19	2.85	15	89	0.17	11.7	72	0.16
1313007034	2022-08-15	0.21	1.66	17	52	0.32	17.1	48	0.36
1320055077	2022-08-16	0.26	2.44	21	76	0.27	15.5	56	0.28
1320056699	2022-08-16	0.91	1.87	73	58	1.25	57.3	52	1.10
1320056745	2022-08-16	0.79	2.01	63	63	1.01	48.6	51	0.95
1320057314	2022-08-16	0.47	0.49	38	15	2.46	43.7	14	3.04
1320057027	2022-08-17	0.50	1.22	40	38	1.05	38.7	35	1.10
1320057144	2022-08-17	0.32	0.44	26	14	1.86	24.1	12	1.97
1320057354	2022-08-17	0.65	0.98	52	31	1.70	53.6	24	2.21
1320057050	2022-08-17	0.27	0.11	22	3	6.29	25.6	1	18.96
1320055009	2022-08-17	0.35	1.04	28	33	0.86	20.0	30	0.67
1320055132	2022-08-17	0.60	2.14	48	67	0.72	40.1	60	0.66
1320057112	2022-08-17	0.45	1.61	36	50	0.72	23.5	48	0.49
1313007082	2022-08-17	0.17	0.16	14	5	2.72	8.5	5	1.65
1313007059	2022-08-17	0.15	2.23	12	70	0.17	8.7	67	0.13
1313008605	2022-08-17	0.27	1.65	22	52	0.42	13.2	48	0.28
1313008621	2022-08-17	0.12	3.19	10	100	0.10	11.5	89	0.13
1313008625	2022-08-17	0.25	1.49	20	47	0.43	17.6	47	0.38
1313008128	2022-08-17	0.22	1.13	18	35	0.50	12.7	32	0.39
1320055055	2022-08-18	0.64	1.34	51	42	1.22	37.4	36	1.03
1313007416	2022-08-18	0.22	2.43	18	76	0.23	10.5	69	0.15
1313008166	2022-08-18	0.39	1.14	31	36	0.88	41.8	33	1.28
1313008220	2022-08-18	0.28	1.52	22	48	0.47	13.0	45	0.29
1320057158	2022-08-18	0.76	2.17	61	68	0.90	46.8	66	0.71
1320057169	2022-08-18	0.44	1.01	35	32	1.12	31.7	28	1.15
1320057209	2022-08-18	0.36	1.03	29	32	0.90	29.5	30	0.97
1320055043	2022-08-18	0.64	1.66	51	52	0.99	44.9	46	0.98
1320055123	2022-08-18	0.70	1.62	56	51	1.11	50.5	43	1.18

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1320057001	2022-08-18	0.39	1.23	31	38	0.81	33.9	37	0.91
1320057003	2022-08-19	0.64	1.42	51	44	1.15	47.2	40	1.18
1320057025	2022-08-19	0.24	1.23	19	38	0.50	19.9	35	0.56
1320057182	2022-08-19	0.66	3.79	53	118	0.45	49.2	95	0.52
1320059066	2022-08-21	0.81	1.67	65	52	1.24	56.4	45	1.26
1313008094	2022-08-21	0.19	1.62	15	51	0.30	10.5	46	0.23
1313008082	2022-08-21	0.13	4.69	10	147	0.07	11.0	134	0.08
1313008056	2022-08-21	0.13	2.03	10	63	0.16	14.0	54	0.26
1320059117	2022-08-21	0.88	2.06	70	64	1.09	54.6	58	0.94
1320059196	2022-08-21	0.61	0.54	49	17	2.89	50.7	13	3.81
1320059031	2022-08-21	0.80	2.41	64	75	0.85	60.3	60	1.01
1320059120	2022-08-22	0.58	0.52	46	16	2.86	30.3	12	2.49
1320059043	2022-08-22	1.05	3.40	84	106	0.79	74.3	40	1.85
1320059028	2022-08-23	0.57	0.75	46	23	1.95	49.1	18	2.71
1320060026	2022-08-23	0.64	0.50	51	16	3.28	47.4	12	3.97
1320060114	2022-08-23	0.61	0.75	49	23	2.08	47.5	19	2.49
1320062898	2022-08-23	0.57	0.60	46	19	2.43	41.4	14	2.96
1320060134	2022-08-23	0.72	0.63	58	20	2.93	56.0	17	3.31
1320060147	2022-08-23	0.64	0.44	51	14	3.73	50.2	11	4.58
1320059059	2022-08-24	1.14	1.28	91	40	2.28	85.3	27	3.15
1320061371	2022-08-24	0.61	0.38	49	12	4.11	32.7	10	3.40
1320061389	2022-08-24	0.51	0.42	41	13	3.11	32.7	11	2.90
1320061317	2022-08-24	0.55	0.43	44	13	3.28	36.6	11	3.37
1320059846	2022-08-24	0.82	0.75	66	23	2.80	62.4	20	3.16
1320059857	2022-08-24	0.93	0.18	74	6	13.24	68.9	2	36.46
1320060124	2022-08-24	0.46	1.73	37	54	0.68	41.6	41	1.01
1320062864	2022-08-24	0.64	0.16	51	5	10.25	50.2	1	33.69
1320059823	2022-08-24	1.18	1.10	94	34	2.75	89.6	29	3.08
1320062831	2022-08-24	0.56	0.17	45	5	8.44	42.9		286.00
1320062833	2022-08-25	0.48	0.35	38	11	3.51	39.5	7	5.63
1320061353	2022-08-25	0.59	0.49	47	15	3.08	41.0	12	3.54
1320061383	2022-08-25	0.47	0.32	38	10	3.76	32.9	9	3.82
1320062897	2022-08-25	0.47	0.40	38	13	3.01	35.0	9	4.08
1320059160	2022-08-25	0.54	0.19	43	6	7.28	46.9	2	25.35
1320059834	2022-08-25	0.68	0.75	54	23	2.32	54.2	21	2.53
1320060199	2022-08-26	0.57	0.93	46	29	1.57	48.2	24	1.98
1320061400	2022-08-27	0.77	0.45	62	14	4.38	48.1	10	4.70
1432026116	2022-08-27	0.67	1.86	54	58	0.92	38.9	49	0.80
1320059011	2022-08-27	0.94	0.75	75	23	3.21	68.2	19	3.58
1320060030	2022-08-27	1.49	0.77	119	24	4.96	89.8	17	5.25
1320060097	2022-08-27	0.42	1.19	34	37	0.90	33.4	26	1.28
1320060179	2022-08-27	0.67	1.32	54	41	1.30	49.7	35	1.42
1320060189	2022-08-27	0.72	1.03	58	32	1.79	56.8	26	2.22
1432026039	2022-08-27	0.44	1.80	35	56	0.63	30.0	49	0.62
1432026059	2022-08-27	0.30	1.36	24	43	0.57	20.3	37	0.55
1320060143	2022-08-27	0.77	2.33	62	73	0.85	53.6	58	0.93
1320062800	2022-08-27	0.49	0.39	39	12	3.22	38.7	7	5.17
1320062801	2022-08-27	0.51	0.27	41	8	4.84	39.3	5	8.71
1432026151	2022-08-27	0.52	2.00	42	63	0.67	38.3	53	0.72
1320056776	2022-08-28	0.82	1.77	66	55	1.19	59.7	45	1.34
1432026170	2022-08-28	0.21	1.18	17	37	0.46	15.2	39	0.39
1320060546	2022-08-28	0.99	2.17	79	68	1.17	63.5	49	1.31
1432026133	2022-08-28	0.77	1.63	62	51	1.21	47.3	42	1.13
1320061310	2022-08-28	0.63	0.94	50	29	1.72	43.4	22	1.96
1320062411	2022-08-28	0.45	0.37	36	12	3.12	35.4	8	4.30
1432027202	2022-08-28	0.35	1.24	28	39	0.72	30.5	35	0.88
1320062914	2022-08-29	0.40	0.19	32	6	5.39	49.8	7	7.30
1432026081	2022-08-29	0.88	1.73	70	54	1.30	63.6	49	1.30
1320060048	2022-08-29	0.04	0.12	3	4	0.85	49.0	45	1.08
1432027241	2022-08-29	0.32	2.09	26	65	0.39	26.4	56	0.48
1432027264	2022-08-29	1.03	1.92	82	60	1.37	133.0	52	2.53
1320061611	2022-08-29	0.50	0.19	40	6	6.74	34.2	4	8.59
1320062410	2022-08-29	0.50	0.51	40	16	2.51	38.7	12	3.12
1320062448	2022-08-29	0.51	0.51	41	16	2.56	42.4	12	3.43
1320060089	2022-08-29	0.51	0.57	41	18	2.29	41.2	14	2.96
1432027269	2022-08-30	0.68	1.78	54	56	0.98	46.4	51	0.90
1320060131	2022-08-30	0.79	1.09	63	34	1.86	81.8	32	2.56
1432027316	2022-08-30	0.83	1.73	66	54	1.23	36.3	48	0.76
1432027334	2022-08-31	0.68	1.44	54	45	1.21	44.3	41	1.09
1313010004	2022-09-01	0.63	3.26	50	102	0.50	45.2	92	0.49
1319060190	2022-09-01	0.46	2.51	37	78	0.47	31.7	65	0.49
1431015041	2022-09-01	0.59	1.31	47	41	1.15	45.8	41	1.13
1431015047	2022-09-01	0.32	1.02	26	32	0.80	23.6	31	0.76
1319060018	2022-09-01	0.39	1.43	31	45	0.70	24.7	40	0.61
1319060017	2022-09-01	0.37	1.21	30	38	0.78	22.5	37	0.60
1319060292	2022-09-02	0.54	1.42	43	44	0.97	43.8	33	1.33
1319060207	2022-09-02	0.62	2.18	50	68	0.73	39.9	58	0.68
1319060390	2022-09-02	0.24	2.31	19	72	0.27	21.0	61	0.34
1319060399	2022-09-02	0.54	0.92	43	29	1.50	41.5	25	1.66
1319060115	2022-09-02	0.35	1.36	28	43	0.66	23.7	40	0.59
1319060169	2022-09-02	0.32	1.62	26	51	0.51	25.2	45	0.56
1319060071	2022-09-02	0.24	1.57	19	49	0.39	16.9	41	0.41
1431015117	2022-09-02	0.88	0.68	70	21	3.32	56.7	17	3.29
1319060086	2022-09-02	0.26	1.24	21	39	0.54	21.2	37	0.58

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1319060315	2022-09-02	0.33	0.97	26	30	0.87	23.2	27	0.87
1319060236	2022-09-02	0.47	2.26	38	71	0.53	29.7	64	0.46
1319060329	2022-09-03	0.59	2.91	47	91	0.52	48.4	74	0.65
1431015079	2022-09-03	1.20	0.66	96	21	4.66	79.4	15	5.38
1319060338	2022-09-03	0.16	3.08	13	96	0.13	8.7	83	0.10
1319060200	2022-09-03	0.38	2.10	30	66	0.46	31.2	63	0.50
1313010026	2022-09-03	0.19	1.39	15	43	0.35	16.5	39	0.43
1313010008	2022-09-03	0.72	1.66	58	52	1.11	57.0	49	1.16
1319060030	2022-09-03	0.19	0.73	15	23	0.67	19.5	20	0.99
1319060078	2022-09-03	0.95	1.75	76	55	1.39	60.0	52	1.16
1319060148	2022-09-03	0.39	1.94	31	61	0.52	29.3	53	0.55
1319060173	2022-09-03	0.59	2.36	47	74	0.64	42.9	66	0.65
1319060077	2022-09-03	1.23	1.69	98	53	1.86	80.2	50	1.61
1431014025	2022-09-03	0.29	1.22	23	38	0.61	15.7	33	0.47
1431014079	2022-09-04	0.49	4.25	39	133	0.30	25.6	112	0.23
1431014124	2022-09-04	1.24	2.75	99	86	1.16	84.1	80	1.05
1317021038	2022-09-04	0.36	4.24	29	133	0.22	27.4	113	0.24
1317021023	2022-09-04	0.20	2.10	16	66	0.24	13.7	63	0.22
1317021073	2022-09-04	0.20	1.82	16	57	0.28	20.7	54	0.39
1431014033	2022-09-04	0.20	3.44	16	108	0.15	14.5	102	0.14
1431014108	2022-09-04	0.20	0.92	16	29	0.56	12.4	26	0.48
1431014146	2022-09-04	1.13	2.50	90	78	1.16	76.8	65	1.18
1319062450	2022-09-04	0.14	0.18	11	6	1.99	23.2	3	8.89
1431014114	2022-09-04	0.92	3.34	74	104	0.71	64.9	91	0.71
1431014086	2022-09-04	0.69	2.21	55	69	0.80	41.6	62	0.67
1319061303	2022-09-04	0.24	2.09	19	65	0.29	19.9	60	0.33
1319061317	2022-09-04	0.10	0.41	8	13	0.62	10.5	10	1.05
1319062417	2022-09-05	0.86	1.99	69	62	1.11	63.8	56	1.14
1319062433	2022-09-05	0.53	1.27	42	40	1.07	45.3	45	1.01
1317022025	2022-09-06	0.10	0.04	8	1	6.41	18.6	61	0.30
1317022123	2022-09-06	0.43	1.75	34	55	0.63	29.7	54	0.55
1317022077	2022-09-06	0.43	1.60	34	50	0.69	49.6	49	1.01
1319062048	2022-09-06	0.93	1.81	74	57	1.32	38.1	59	0.64
1317022026	2022-09-06	0.24	1.90	19	59	0.32	14.2	59	0.24
1319062073	2022-09-06	0.35	1.62	28	51	0.55	23.2	52	0.45
1319061016	2022-09-06	0.35	0.59	28	18	1.52	26.1	16	1.62
1319061041	2022-09-07	0.44	0.44	35	14	2.56	27.9	11	2.61
1319062043	2022-09-07	0.63	1.34	50	42	1.20	40.2	39	1.04
1317022029	2022-09-07	0.37	2.20	30	69	0.43	27.6	57	0.49
1317022089	2022-09-07	0.60	1.90	48	59	0.81	41.3	53	0.78
1317022197	2022-09-07	0.65	2.07	52	65	0.80	46.3	56	0.83
1431016340	2022-09-07	0.68	1.67	54	52	1.04	49.2	48	1.03
1320059128	2022-09-08	0.42	0.14	34	4	7.69	22.3	3	8.49
1317022064	2022-09-08	0.99	1.88	79	59	1.35	71.1	51	1.39
1319061098	2022-09-08	0.07	0.38	6	12	0.47	17.7	7	2.39
1431016425	2022-09-08	0.70	0.77	56	24	2.33	53.5	20	2.67
1431016002	2022-09-08	0.62	0.80	50	25	1.99	59.5	23	2.62
1431016039	2022-09-08	1.26	0.96	101	30	3.36	79.1	27	2.96
1317022013	2022-09-09	0.67	1.78	54	56	0.96	50.8	49	1.04
1431016027	2022-09-09	1.05	2.23	84	70	1.21	80.6	60	1.33
1431016097	2022-09-09	0.71	1.21	57	38	1.50	51.2	35	1.48
1431016137	2022-09-09	1.05	2.33	84	73	1.15	54.1	63	0.86
1431016157	2022-09-09	0.50	1.31	40	41	0.98	35.2	35	1.01
1431017035	2022-09-10	0.29	1.34	23	42	0.55	11.5	37	0.31
1317022184	2022-09-10	0.66	1.87	53	58	0.90	54.1	51	1.07
1317022156	2022-09-10	0.67	1.97	54	62	0.87	53.9	54	1.00
1431017033	2022-09-10	0.10	1.58	8	49	0.16	9.5	48	0.20
1431017077	2022-09-10	0.22	2.42	18	76	0.23	7.0	65	0.11
1319063137	2022-09-10	0.37	1.24	30	39	0.76	43.6	34	1.28
1319063136	2022-09-10	0.27	1.04	22	33	0.67	21.9	29	0.76
1319063100	2022-09-11	0.56	1.89	45	59	0.76	47.3	55	0.86
1319063113	2022-09-11	0.43	0.16	34	5	6.89	37.0	2	16.09
1319063082	2022-09-11	0.73	1.39	58	43	1.35	56.3	41	1.36
1319063405	2022-09-11	0.53	1.02	42	32	1.33	42.6	30	1.44
1319063084	2022-09-12	0.65	1.34	52	42	1.24	50.6	40	1.27
1319063187	2022-09-12	0.38	1.64	30	51	0.59	40.6	45	0.91
1317023001	2022-09-12	0.21	2.33	17	73	0.23	16.9	67	0.25
1319064423	2022-09-12	0.26	1.13	21	35	0.59	25.0	34	0.73
1317023037	2022-09-12	0.09	1.20	7	38	0.19	11.0	32	0.34
1319063189	2022-09-12	0.49	0.87	39	27	1.44	38.4	22	1.75
1319063228	2022-09-12	0.45	0.38	36	12	3.03	36.2	9	4.24
1319063419	2022-09-12	0.81	2.54	65	79	0.82	54.8	65	0.85
1317023009	2022-09-13	0.56	2.03	45	63	0.71	35.0	58	0.60
1317023063	2022-09-13	0.15	1.49	12	47	0.26	15.2	40	0.38
1319064462	2022-09-13	0.33	1.09	26	34	0.78	24.2	29	0.85
1317023087	2022-09-13	0.10	1.54	8	48	0.17	7.1	44	0.16
1317023112	2022-09-13	0.25	1.27	20	40	0.50	8.7	33	0.27
1319064109	2022-09-13	0.67	2.07	54	65	0.83	33.0	47	0.70
1319064071	2022-09-14	0.26	2.08	21	65	0.32	13.2	50	0.26
1317023146	2022-09-14	0.44	1.91	35	60	0.59	40.1	52	0.78
1317023131	2022-09-14	0.34	1.98	27	62	0.44	28.9	52	0.56
1319064408	2022-09-14	0.47	1.40	38	44	0.86	34.1	36	0.95
1319064451	2022-09-14	0.54	1.72	43	54	0.80	41.4	50	0.84
1319064449	2022-09-14	0.48	1.49	38	47	0.83	33.7	41	0.83

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1319064031	2022-09-14	0.17	2.13	14	67	0.20	9.2	53	0.17
1319064150	2022-09-15	0.46	1.27	37	40	0.93	39.9	34	1.18
1319064003	2022-09-15	0.31	1.48	25	46	0.54	23.4	42	0.56
1319064022	2022-09-15	0.28	1.43	22	45	0.50	21.0	35	0.60
1319064064	2022-09-15	0.21	1.86	17	58	0.29	8.2	48	0.17
1319067604	2022-09-16	0.70	1.52	56	48	1.18	49.8	43	1.17
1319067694	2022-09-16	0.46	0.81	37	25	1.45	39.1	21	1.88
1319067803	2022-09-16	0.39	1.14	31	36	0.88	33.1	31	1.06
1319067808	2022-09-16	0.45	1.49	36	47	0.77	39.6	37	1.08
1319067815	2022-09-16	0.60	1.22	48	38	1.26	44.3	35	1.28
1319067822	2022-09-16	0.63	0.80	50	25	2.02	46.4	31	1.49
1319067625	2022-09-16	0.35	0.89	28	28	1.01	32.1	22	1.48
1319067629	2022-09-16	1.19	0.60	95	19	5.08	100.0	10	9.71
1319068923	2022-09-17	0.24	0.56	19	18	1.10	29.2	14	2.09
1319068955	2022-09-18	0.70	1.36	56	43	1.32	53.0	35	1.49
1431016205	2022-09-20	0.58	1.83	46	57	0.81	44.9	45	0.99
1431016331	2022-09-20	0.96	4.28	77	134	0.57	71.0	112	0.64
1432019029	2022-09-22	0.44	5.40	35	169	0.21	11.2	178	0.06
1432019069	2022-09-22	1.57	1.48	126	46	2.72	86.1	42	2.05
1432019150	2022-09-22	0.62	2.43	50	76	0.65	26.9	58	0.47
1432019161	2022-09-22	1.39	5.15	111	161	0.69	92.7	134	0.69
1432019211	2022-09-22	1.76	3.84	141	120	1.17	114.0	99	1.15
1432019349	2022-09-22	2.89	8.10	231	253	0.91	114.0	159	0.72
1432019182	2022-09-22	1.65	1.12	132	35	3.77	143.0	34	4.25
1432019201	2022-09-23	1.16	1.65	93	52	1.80	77.2	46	1.69
1432019282	2022-09-23	1.57	6.74	126	211	0.60	102.0	145	0.70
1432019289	2022-09-23	1.10	1.49	88	47	1.89	73.5	38	1.92
1432019302	2022-09-23	1.83	3.93	147	123	1.19	90.9	93	0.98
1432019125	2022-09-24	0.53	1.91	42	60	0.71	18.7	52	0.36
1432019234	2022-09-24	1.53	6.01	122	188	0.65	89.7	151	0.59
1432019046	2022-09-24	1.53	3.24	122	101	1.21	91.5	84	1.09
1319065100	2022-09-24	0.58	0.65	46	20	2.29	44.4	18	2.49
1319065009	2022-09-24	0.67	0.45	54	14	3.81	46.1	11	4.37
1319065361	2022-09-25	0.64	0.34	51	11	4.82	43.8	7	6.49
1319071045	2022-09-25	0.81	1.98	65	62	1.05	48.6	48	1.02
1319065169	2022-09-25	0.93	0.18	74	6	13.24	67.5		450.00
1319065030	2022-09-26	0.44	0.65	35	20	1.73	31.4	16	1.92
1319065051	2022-09-26	0.62	0.84	50	26	1.89	42.1	19	2.25
1319071054	2022-09-26	1.12	1.53	90	48	1.88	75.2	41	1.82
1319065328	2022-09-26	0.65	0.85	52	27	1.96	42.4	19	2.26
1319065310	2022-09-26	0.51	0.34	41	11	3.84	49.1	8	5.92
1319065349	2022-09-26	0.52	0.79	42	25	1.69	38.5	19	2.02
1319065370	2022-09-26	0.78	0.29	62	9	6.89	55.3	6	9.22
1319065066	2022-09-27	0.54	0.23	43	7	6.02	41.4	4	11.50
1319069017	2022-09-27	0.44	0.53	35	17	2.13	36.5	12	3.17
1319070189	2022-09-27	0.75	0.86	60	27	2.23	54.9	20	2.80
1319066013	2022-09-28	2.07	0.65	166	20	8.16	111.0	10	11.42
1319066056	2022-09-28	0.59	0.38	47	12	3.98	45.4	8	5.90
1319066331	2022-09-28	0.73	2.09	58	65	0.89	55.8	44	1.27
1319066070	2022-09-28	0.74	0.41	59	13	4.62	45.0	9	5.26
1319066342	2022-09-28	1.58	1.74	127	54	2.33	126.0	38	3.32
1319070188	2022-09-28	0.98	0.88	78	28	2.85	74.7	20	3.66
1319070518	2022-09-28	0.77	1.53	62	48	1.29	67.2	34	1.97
1319066110	2022-09-29	0.66	0.39	53	12	4.34	55.1	9	5.82
1319070108	2022-09-29	0.53	0.37	42	12	3.67	40.5	7	5.64
1319070113	2022-09-29	0.60	2.27	48	71	0.68	51.0	57	0.90
1319066091	2022-09-29	0.71	0.12	57	4	15.16	63.0		420.00
1319066084	2022-09-29	0.72	0.66	58	21	2.79	50.8	14	3.64
1319070095	2022-09-29	0.69	1.21	55	38	1.46	53.4	33	1.64
1319070043	2022-09-29	0.58	0.24	46	8	6.19	46.9	4	11.67
1312002039	2022-09-29	0.01	0.01	1		5.12	9.5	73	0.13
1319066094	2022-09-29	0.63	0.38	50	12	4.25	47.1	8	5.98
1318013074	2022-10-28	0.66	2.79	53	87	0.61	50.7	84	0.60
1318013076	2022-10-28	0.38	2.18	30	68	0.45	26.2	67	0.39
1318011007	2022-10-31	0.42	1.19	34	37	0.90	33.1	24	1.37
1318011020	2022-10-31	0.55	1.00	44	31	1.41	42.2	29	1.46
1318011038	2022-10-31	0.62	1.00	50	31	1.59	44.7	28	1.62
1318011040	2022-10-31	0.52	1.01	42	32	1.32	39.4	33	1.21
1318011243	2022-10-31	0.54	1.52	43	48	0.91	31.0	47	0.66
1431024008	2022-10-31	0.90	1.46	72	46	1.58	72.1	43	1.67
1431024011	2022-10-31	1.32	1.50	106	47	2.25	84.7	42	2.03
1431024017	2022-10-31	1.35	2.35	108	73	1.47	85.4	48	1.77
1431024042	2022-10-31	0.89	1.87	71	58	1.22	67.4	51	1.33
1431024101	2022-10-31	1.62	3.55	130	111	1.17	67.2	104	0.65
1431024121	2022-10-31	1.09	6.08	87	190	0.46	79.2	173	0.46
1431024140	2022-10-31	1.03	5.02	82	157	0.53	20.0	143	0.14
1431024153	2022-10-31	0.71	2.36	57	74	0.77	43.0	70	0.61
1431024175	2022-10-31	1.22	2.81	98	88	1.11	78.6	80	0.98
1431024502	2022-10-31	1.12	2.57	90	80	1.12	75.9	77	0.98
1431027015	2022-10-31	0.71	1.38	57	43	1.32	45.0	71	0.64
1431027026	2022-10-31	0.17	1.21	14	38	0.36	12.2	37	0.33
1431027029	2022-10-31	0.54	0.87	43	27	1.59	41.8	26	1.61
1431027030	2022-10-31	0.25	1.26	20	39	0.51	13.9	38	0.37
1431027050	2022-10-31	0.30	0.96	24	30	0.80	16.2	27	0.61

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1431027104	2022-10-31	0.76	2.02	61	63	0.96	48.9	35	1.41
1431027167	2022-10-31	0.88	2.12	70	66	1.06	63.7	65	0.98
1431027170	2022-10-31	1.08	1.63	86	51	1.70	74.2	47	1.58
1431027235	2022-10-31	0.41	0.94	33	29	1.12	20.9	26	0.80
1318010005	2022-11-02	0.45	0.66	36	21	1.75	29.6	17	1.69
1318010010	2022-11-02	0.52	0.88	42	28	1.51	37.7	25	1.54
1318010017	2022-11-02	0.25	1.06	20	33	0.60	14.5	28	0.51
1318010075	2022-11-02	0.29	2.29	23	72	0.32	13.7	67	0.21
1318010096	2022-11-02	0.56	0.89	45	28	1.61	46.3	25	1.87
1318010301	2022-11-02	0.23	1.10	18	34	0.54	21.7	29	0.76
1431028014	2022-11-04	0.52	1.14	42	36	1.17	31.2	33	0.94
1312007817	2022-11-05	0.18	1.24	14	39	0.37	11.7	34	0.34
1312006038	2022-11-06	0.20	0.39	16	12	1.31	16.5	11	1.56
1312006308	2022-11-06	0.14	1.10	11	34	0.33	7.5	29	0.26
1312006605	2022-11-06	0.17	1.16	14	36	0.38	9.0	30	0.30
1312006610	2022-11-06	0.17	2.01	14	63	0.22	12.2	50	0.24
1318008011	2022-11-06	0.89	0.16	71	5	14.25	64.2	3	23.35
1318008021	2022-11-06	0.47	2.11	38	66	0.57	40.4	52	0.78
1318008045	2022-11-06	0.74	0.44	59	14	4.31	52.9	10	5.41
1318008049	2022-11-06	0.79	0.44	63	14	4.60	58.7	9	6.36
1431024803	2022-11-06	0.81	0.99	65	31	2.10	60.3	25	2.43
1431024820	2022-11-06	0.64	3.55	51	111	0.46	55.1	99	0.56
1431025415	2022-11-06	1.10	1.31	88	41	2.15	78.4	32	2.49
1431025601	2022-11-06	0.81	1.60	65	50	1.30	60.5	43	1.40
1431025630	2022-11-06	0.67	2.14	54	67	0.80	41.1	51	0.80
1431025639	2022-11-06	1.10	0.43	88	13	6.55	76.4	10	7.61
1431025648	2022-11-06	0.75	2.02	60	63	0.95	51.9	50	1.04
1431025681	2022-11-06	0.40	1.37	32	43	0.75	33.9	48	0.70
1431025715	2022-11-06	0.37	1.39	30	43	0.68	26.7	37	0.72
1431025795	2022-11-06	0.52	1.27	42	40	1.05	41.6	37	1.14
1318016672	2022-11-07	0.43	0.68	34	21	1.62	25.2	20	1.27
1317026074	2022-11-09	0.44	2.55	35	80	0.44	20.9	70	0.30
1317026082	2022-11-09	0.17	3.01	14	94	0.14	13.7	84	0.16
1317026100	2022-11-09	0.84	1.85	67	58	1.16	49.1	49	1.00
1317026123	2022-11-09	0.41	2.08	33	65	0.51	21.5	51	0.42
1317026126	2022-11-09	0.18	2.12	14	66	0.22	16.2	58	0.28
1317026135	2022-11-09	0.63	2.19	50	68	0.74	41.4	60	0.69
1318014037	2022-11-09	1.17	1.50	94	47	2.00	83.6	41	2.02
1318014061	2022-11-09	0.89	1.73	71	54	1.32	68.3	52	1.31
1317028306	2022-11-11	0.45	1.50	36	47	0.77	33.7	41	0.83
1317028380	2022-11-11	0.48	1.42	38	44	0.87	30.7	38	0.81
1317028391	2022-11-11	0.13	2.56	10	80	0.13	6.5	75	0.09
1431026010	2022-11-11	0.54	1.31	43	41	1.06	61.6	37	1.66
1431026011	2022-11-11	0.20	2.29	16	72	0.22	7.0	64	0.11
1431026048	2022-11-11	0.32	1.88	26	59	0.44	24.2	60	0.41
1431026217	2022-11-12	0.31	1.76	25	55	0.45	23.5	56	0.42
1432030003	2022-11-12	0.41	1.41	33	44	0.74	27.1	40	0.69
1432030049	2022-11-12	1.75	0.85	140	27	5.27	26.0	13	2.07
1432030073	2022-11-12	1.97	0.43	158	13	11.74	98.5	10	9.39
1432030136	2022-11-12	1.34	0.52	107	16	6.60	64.9	14	4.49
1432030188	2022-11-12	0.88	0.73	70	23	3.09	57.4	10	5.93
1317025435	2022-11-14	0.32	1.25	26	39	0.66	25.8	35	0.73
1317025440	2022-11-14	0.44	1.45	35	45	0.78	32.9	42	0.78
1317025461	2022-11-14	0.73	1.91	58	60	0.98	52.2	53	0.99
1317025471	2022-11-14	0.33	1.42	26	44	0.60	23.1	38	0.60
1317025503	2022-11-14	0.49	2.21	39	69	0.57	36.7	57	0.65
1317025545	2022-11-14	0.22	1.82	18	57	0.31	7.9	53	0.15
1317025700	2022-11-14	0.58	2.18	46	68	0.68	42.7	63	0.68
1317025704	2022-11-14	0.56	1.42	45	44	1.01	37.6	38	0.99
1431030003	2022-11-17	0.71	0.88	57	28	2.07	50.7	24	2.07
1431030023	2022-11-17	0.86	1.45	69	45	1.52	59.7	43	1.38
1431030038	2022-11-17	0.85	1.25	68	39	1.74	55.5	37	1.51
1431030058	2022-11-17	0.39	1.41	31	44	0.71	21.9	40	0.55
1431030064	2022-11-17	0.69	1.22	55	38	1.45	89.6	54	1.66
1431030067	2022-11-17	0.87	1.20	70	38	1.86	77.8	16	4.90
1431030104	2022-11-17	1.00	1.20	80	38	2.14	58.1	24	2.45
1431030109	2022-11-17	0.76	1.15	61	36	1.69	54.5	32	1.68
1431030116	2022-11-17	0.53	1.21	42	38	1.12	37.4	36	1.03
1431030119	2022-11-17	0.80	1.27	64	40	1.61	46.1	31	1.47
1431030120	2022-11-17	1.01	2.18	81	68	1.19	73.5	65	1.14
1431030145	2022-11-17	0.81	1.27	65	40	1.63	55.7	36	1.56
1431030411	2022-11-17	1.00	1.45	80	45	1.77	69.8	42	1.65
1318015001	2022-11-20	0.77	0.81	62	25	2.44	56.2	22	2.53
1318015007	2022-11-20	0.57	2.60	46	81	0.56	46.4	74	0.63
1318015017	2022-11-20	0.70	1.40	56	44	1.28	54.5	38	1.42
1318015034	2022-11-20	0.78	3.02	62	94	0.66	68.8	79	0.87
1318015037	2022-11-20	0.53	2.45	42	77	0.55	44.8	66	0.68
1318015059	2022-11-20	0.84	0.50	67	16	4.30	61.7	15	4.08
1318015067	2022-11-20	0.75	0.07	60	2	27.45	57.1	1	96.78
1318015082	2022-11-20	0.69	1.45	55	45	1.22	70.6	45	1.56
1318015110	2022-11-20	1.06	2.57	85	80	1.06	71.7	73	0.98
1318015152	2022-11-20	0.53	3.84	42	120	0.35	39.3	71	0.56
1318015174	2022-11-20	0.89	1.25	71	39	1.82	56.4	32	1.76
1317035072	2022-11-21	0.67	3.10	54	97	0.55	45.7	94	0.49

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1317035149	2022-11-21	0.80	1.41	64	44	1.45	55.2	39	1.41
1317027120	2022-11-23	0.42	1.54	34	48	0.70	32.2	46	0.69
1317027228	2022-11-23	0.92	1.32	74	41	1.79	66.6	40	1.67
1317027247	2022-11-23	0.16	1.49	13	47	0.28	15.5	44	0.35
1311002453	2022-11-27	0.10	0.12	8	4	2.14	14.9	2	6.68
1311002459	2022-11-27	0.17	1.97	14	62	0.22	11.7	61	0.19
1311002462	2022-11-27	0.18	2.39	14	75	0.19	11.4	73	0.16
1311003057	2022-11-27	0.32	2.33	26	73	0.35	22.2	68	0.33
1317036134	2022-11-28	0.16	1.69	13	53	0.24	11.8	34	0.35
1311002043	2022-11-30	0.22	1.05	18	33	0.54	17.5	32	0.54
1431034001	2022-11-30	2.63	0.47	211	15	14.34	91.8	10	9.53
1431034014	2022-11-30	1.27	1.32	102	41	2.47	73.6	36	2.07
1431034015	2022-11-30	1.05	0.82	84	26	3.28	62.5	19	3.27
1431034040	2022-11-30	2.95	1.79	236	56	4.22	87.5	42	2.07
1431034079	2022-11-30	2.41	1.18	193	37	5.23	82.8	27	3.05
1431034089	2022-11-30	0.90	1.64	72	51	1.41	55.9	48	1.17
1431034090	2022-11-30	0.81	1.65	65	52	1.26	45.1	48	0.93
1431034114	2022-11-30	2.87	0.53	230	17	13.87	98.1	12	8.31
1431034117	2022-11-30	3.39	0.36	271	11	24.13	27.8	6	4.55
1431034122	2022-11-30	1.95	0.32	156	10	15.61	80.0	6	12.54
1431034131	2022-11-30	1.78	0.75	143	23	6.08	93.7	10	9.01
1431034146	2022-11-30	1.70	0.82	136	26	5.31	114.0	25	4.53
1431034233	2022-11-30	1.65	0.47	132	15	8.99	90.7	12	7.69
1431034297	2022-11-30	1.18	0.69	94	22	4.38	75.0	18	4.17
1318021080	2022-12-03	0.24	1.24	19	39	0.50	21.1	40	0.53
1318021104	2022-12-03	0.27	1.40	22	44	0.49	31.1	42	0.74
1311003608	2022-12-05	0.51	2.63	41	82	0.50	38.0	73	0.52
1311004047	2022-12-05	0.17	3.09	14	97	0.14	11.5	88	0.13
1311004071	2022-12-05	0.10	2.84	8	89	0.09	14.0	80	0.17
1311004111	2022-12-05	0.21	1.19	17	37	0.45	43.3	33	1.32
1318017057	2022-12-05	0.53	0.27	42	8	5.03	40.3	6	6.51
1318017058	2022-12-05	0.51	0.04	41	1	32.67	37.4	1	51.94
1318017063	2022-12-05	0.59	0.56	47	18	2.70	44.7	15	2.91
1318017067	2022-12-05	0.67	1.47	54	46	1.17	80.8	6	12.63
1318017081	2022-12-05	0.75	0.33	60	10	5.82	53.0	8	6.68
1318017085	2022-12-05	0.76	0.32	61	10	6.08	56.1	7	8.12
1318018029	2022-12-05	0.46	1.04	37	33	1.13	33.6	27	1.23
1318018041	2022-12-05	0.61	0.69	49	22	2.26	45.3	20	2.29
1318018050	2022-12-05	0.61	0.38	49	12	4.11	44.6	10	4.68
1318018083	2022-12-05	0.54	0.38	43	12	3.64	39.7	10	3.94
1318018102	2022-12-05	0.51	0.29	41	9	4.51	38.2	6	6.14
1432078006	2022-12-09	0.92	1.70	74	53	1.39	65.3	46	1.43
1432078032	2022-12-09	0.75	2.21	60	69	0.87	46.3	64	0.73
1432078038	2022-12-09	0.16	0.55	13	17	0.75	7.8	15	0.50
1432078087	2022-12-09	0.69	1.90	55	59	0.93	70.3	53	1.33
1318019005	2022-12-10	0.66	0.41	53	13	4.12	45.6	12	3.67
1318019019	2022-12-10	0.67	0.85	54	27	2.02	46.0	25	1.87
1318019030	2022-12-10	0.74	0.58	59	18	3.27	54.1	17	3.10
1317037090	2022-12-12	0.35	0.61	28	19	1.47	30.8	15	2.01
1317040010	2022-12-12	0.75	2.49	60	78	0.77	50.2	72	0.70
1317040046	2022-12-12	0.69	1.20	55	38	1.47	41.4	35	1.19
1317040085	2022-12-12	0.33	1.42	26	44	0.60	21.2	38	0.56
1317040108	2022-12-12	0.25	0.73	20	23	0.88	23.0	21	1.11
1317040109	2022-12-12	0.22	3.00	18	94	0.19	16.7	86	0.19
1317040167	2022-12-12	0.68	0.64	54	20	2.72	47.0	17	2.75
1317040170	2022-12-12	0.55	0.32	44	10	4.40	42.3	8	5.27
1430012003	2022-12-12	1.33	2.46	106	77	1.39	74.2	71	1.05
1430012048	2022-12-12	0.22	2.07	18	65	0.27	18.0	56	0.32
1320056693	2022-12-13	0.58	1.07	46	33	1.39	43.9	27	1.60
1431040005	2022-12-14	0.65	2.39	52	75	0.70	41.1	73	0.56
1431040051	2022-12-14	0.63	2.43	50	76	0.66	41.3	66	0.63
1431040069	2022-12-14	0.69	2.09	55	65	0.85	45.4	60	0.76
1431040146	2022-12-14	0.48	1.72	38	54	0.71	32.6	48	0.67
1431040174	2022-12-14	0.52	1.67	42	52	0.80	39.4	48	0.82
1431040205	2022-12-14	0.72	2.06	58	64	0.90	49.8	55	0.90
1431040223	2022-12-14	1.12	2.15	90	67	1.33	78.3	65	1.20
1431040732	2022-12-14	0.35	2.29	28	72	0.39	18.3	71	0.26
1317038004	2022-12-17	0.48	1.44	38	45	0.85	32.1	43	0.75
1317038025	2022-12-17	0.11	2.20	9	69	0.13	11.7	63	0.19
1317038437	2022-12-17	0.13	1.81	10	57	0.18	12.5	53	0.23
1317038451	2022-12-17	0.51	2.07	41	65	0.63	37.7	57	0.67
1317039018	2022-12-17	0.36	3.47	29	108	0.27	27.7	92	0.30
1317039019	2022-12-17	0.22	2.74	18	86	0.21	15.5	76	0.20
1317039303	2022-12-17	0.13	3.78	10	118	0.09	12.6	106	0.12
1317034031	2022-12-18	0.34	2.20	27	69	0.40	23.2	62	0.38
1317034117	2022-12-18	0.32	3.09	26	97	0.27	21.1	86	0.24
1317029034	2022-12-19	0.43	0.91	34	28	1.21	35.5	25	1.43
1317033024	2022-12-19	0.44	1.40	35	44	0.81	34.0	42	0.81
1317033055	2022-12-19	0.24	1.69	19	53	0.36	20.0	50	0.40
1317033060	2022-12-19	0.78	1.46	62	46	1.37	57.6	41	1.40
1317033073	2022-12-19	0.35	1.35	28	42	0.66	33.8	40	0.84
1317033088	2022-12-19	0.63	1.08	50	34	1.49	45.9	31	1.48
1317042012	2022-12-19	0.52	1.97	42	62	0.68	44.0	54	0.81
1317042039	2022-12-19	0.75	1.54	60	48	1.25	58.2	39	1.49

Sample Site Name	Sample Date	LECO Total Carbon (wt.%)	LECO Total Sulfur (wt.%)	Site LECO NP (Fe-carbonate adjusted) (kg $CaCO_3$/tonne)	Site LECO AP (kg CaCO3/tonne)	Site LECO NPR	Independent Modified Sobek NP (kg CaCO3/tonne)	Independent AP (kg $CaCO_3$/tonne)	Independent Modified Sobek NPR
1317042071	2022-12-19	0.94	2.90	75	91	0.83	66.5	73	0.91
1311006044	2022-12-20	0.07	0.91	6	28	0.20	11.2	30	0.38
1317030037	2022-12-22	0.21	2.45	17	77	0.22	16.0	67	0.24
1317030043	2022-12-22	0.40	1.05	32	33	0.98	34.5	30	1.15
1317030072	2022-12-22	0.32	1.44	26	45	0.57	31.9	38	0.85
1317030076	2022-12-22	0.77	0.90	62	28	2.19	60.2	23	2.65
1317030092	2022-12-22	0.34	1.07	27	33	0.81	24.4	31	0.78
1317030098	2022-12-22	0.15	2.42	12	76	0.16	16.9	63	0.27
1317031001	2022-12-23	0.25	1.51	20	47	0.42	26.4	46	0.57
1317031037	2022-12-23	0.27	0.68	22	21	1.02	29.4	18	1.65
1317031041	2022-12-23	0.71	1.17	57	37	1.55	52.0	32	1.60
1317031064	2022-12-23	0.54	2.30	43	72	0.60	35.8	63	0.57
1317031093	2022-12-23	0.34	1.00	27	31	0.87	28.7	31	0.94
1317031155	2022-12-23	0.75	0.63	60	20	3.05	56.0	17	3.32
1317041093	2022-12-23	0.86	2.56	69	80	0.86	61.6	68	0.90
1317041108	2022-12-23	0.64	1.18	51	37	1.39	55.6	38	1.45
1317041156	2022-12-23	0.46	1.83	37	57	0.64	34.1	52	0.66
1317041201	2022-12-23	0.99	1.81	79	57	1.40	48.7	50	0.98
1430010013	2022-12-24	0.91	2.45	73	77	0.95	71.3	67	1.07
1430010044	2022-12-24	0.97	1.17	78	37	2.12	72.8	36	2.01
1430010071	2022-12-24	1.76	0.99	141	31	4.55	117.0	26	4.50
1430010073	2022-12-24	1.30	2.24	104	70	1.49	93.3	61	1.54
1317051009	2022-12-26	1.08	1.56	86	49	1.77	79.4	44	1.79
1430014001	2022-12-29	1.23	1.38	98	43	2.28	84.2	39	2.16
1430014016	2022-12-29	1.43	6.24	114	195	0.59	111.0	126	0.88
1430014027	2022-12-29	1.79	8.82	143	276	0.52	118.0	173	0.68
1430014032	2022-12-29	1.43	1.72	114	54	2.13	104.0	48	2.18
1430014066	2022-12-29	0.65	1.76	52	55	0.95	46.1	51	0.91
1430014078	2022-12-29	2.22	6.98	178	218	0.81	148.0	121	1.22
1430014110	2022-12-29	0.74	1.14	59	36	1.66	52.1	31	1.67
1430014127	2022-12-29	1.66	8.77	133	274	0.48	111.0	190	0.58
1430014140	2022-12-29	0.68	0.94	54	29	1.85	40.5	25	1.59
1430014177	2022-12-29	0.57	1.16	46	36	1.26	41.1	30	1.37
1317043029	2022-12-30	0.96	2.09	77	65	1.18	64.1	60	1.07
1317043242	2022-12-30	0.89	2.36	71	74	0.97	62.5	63	0.99
1317045002	2022-12-31	0.46	0.61	37	19	1.93	33.5	15	2.17
1317045019	2022-12-31	0.25	0.59	20	18	1.09	17.2	16	1.09
1317045035	2022-12-31	0.54	0.28	43	9	4.94	39.1	6	7.08
1317045075	2022-12-31	0.56	0.41	45	13	3.50	46.8	8	5.89
1317045082	2022-12-31	1.07	0.14	86	4	19.58	77.8	1	65.38
1317045093	2022-12-31	0.87	0.62	70	19	3.60	55.9	14	4.09
1317045102	2022-12-31	0.64	2.57	51	80	0.64	53.2	72	0.74
1317045143	2022-12-31	0.68	0.50	54	16	3.48	46.3	13	3.55
1317045324	2022-12-31	0.45	0.42	36	13	2.75	31.6	10	3.21

Appendix B

Independent Laboratory Certificates of Analysis

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-01403**
Report Date: **11-Aug-22**
Date Submitted: **04-Feb-22**
Your Reference: **2022_Jan_Check_Assays**

New Gold Inc.
317 Heatwole
Barwick Ontario
Canada

ATTN: Lisa McGlinchey

CERTIFICATE OF ANALYSIS

205 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-04-13 14:29:28
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-05-10 21:42:05

REPORT **A22-01403**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: **A22-01403**
Report Date: **11-Aug-22**
Date Submitted: **04-Feb-22**
Your Reference: **2022_Jan_Check_Assays**

New Gold Inc.
317 Heatwole
Barwick Ontario
Canada

ATTN: Lisa McGlinchey

CERTIFICATE OF ANALYSIS

205 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2022-04-28 09:57:14
4F-C, S	Infrared	2022-04-22 22:04:05

REPORT **A22-01403**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	AP (T-Sulphur)	NP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	kg H2SO4/t	Ratio	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit					0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	Calc	TITR	Calc	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0127-013					9.52	0.41	338	0.3	< 0.5	147	309	1	4	< 2	32	2.13	3	10	43	< 0.5	12	0.53	6
GC22-0128-009FD					10.0	0.15	79	< 0.2	< 0.5	38	842	1	98	4	71	2.69	2	14	599	< 0.5	< 2	3.69	26
GC22-0126-018					9.37	0.36	307	0.7	< 0.5	263	339	1	10	< 2	29	2.44	3	12	43	< 0.5	7	0.71	6
1324073186					9.44	1.60	171	1.2	0.9	126	1610	< 1	62	< 2	419	3.19	8	13	27	< 0.5	< 2	2.04	37
GC22-0130-006					9.87	0.60	97	< 0.2	< 0.5	13	380	< 1	13	< 2	39	1.81	7	12	18	< 0.5	3	1.29	11
GC22-0131-002					9.84	0.58	176	0.3	< 0.5	48	493	< 1	7	4	84	2.31	5	< 10	40	< 0.5	< 2	0.86	8
1319045099					9.59	0.17	5	< 0.2	< 0.5	110	514	< 1	48	< 2	47	4.68	< 2	20	12	< 0.5	< 2	3.48	24
1319045047					9.79	1.67	239	3.8	0.9	826	1930	2	585	41	259	1.80	28	14	32	< 0.5	< 2	2.44	38
1319045144					9.30	0.94	372	5.3	2.1	250	1140	< 1	22	91	616	2.02	141	12	20	< 0.5	3	0.70	10
1319045119					9.58	0.72	198	4.8	4.7	58	1170	< 1	21	73	1330	1.99	93	16	21	< 0.5	< 2	0.84	10
GC22-0132-021					9.23	0.47	557	0.4	< 0.5	331	207	< 1	3	< 2	25	2.96	5	11	31	< 0.5	3	1.49	6
GC22-0033-001					9.53	0.35	135	< 0.2	< 0.5	49	516	< 1	8	< 2	68	2.20	4	11	38	< 0.5	3	0.70	7
1324073040					9.59	0.82	432	0.5	1.3	112	1440	< 1	52	< 2	576	3.26	3	11	49	< 0.5	< 2	2.81	37
1319045091					9.58	0.55	67	1.0	< 0.5	38	756	< 1	11	18	105	1.70	44	15	35	< 0.5	< 2	2.30	8
GC22-0134-007					9.29	0.43	83	< 0.2	< 0.5	51	410	1	6	< 2	65	2.81	4	12	42	< 0.5	< 2	1.40	6
GC22-0132-012					9.36	0.59	727	0.3	< 0.5	309	249	< 1	4	< 2	23	1.92	5	11	29	< 0.5	5	0.93	6
F009106							526	0.2	< 0.5	159	768	< 1	55	12	90	3.62	23	35	17	< 0.5	< 2	3.31	29
1324075112					9.84	0.39	69	1.4	0.7	23	755	4	21	5	298	1.89	8	15	69	< 0.5	< 2	2.14	10
GC22-0070-007					9.76	0.54	1240	4.7	< 0.5	27	1330	< 1	11	44	107	0.55	153	11	23	< 0.5	< 2	1.68	10
1324075183					9.80	0.45	21	0.3	< 0.5	20	803	< 1	62	5	195	1.65	5	15	83	< 0.5	< 2	2.21	19
GC22-0072-016					9.90	0.49	97	1.7	1.0	28	999	1	11	257	288	2.21	27	13	38	< 0.5	< 2	3.04	8
GC22-0073-012					9.35	0.72	521	1.7	1.2	29	1330	< 1	10	45	276	1.93	62	13	22	< 0.5	< 2	2.56	10
GC22-0068-014					9.60	0.59	161	2.8	2.1	66	1660	1	12	87	619	1.95	52	14	29	< 0.5	< 2	2.43	8
1324075218					9.72	0.46	100	2.2	1.1	56	713	< 1	15	6	374	1.85	8	21	43	< 0.5	< 2	2.21	9
1324075187					10.0	0.39	34	0.2	< 0.5	34	743	< 1	14	5	124	2.39	15	21	78	< 0.5	< 2	2.20	10
GC22-0071-020					9.84	0.52	87	0.4	< 0.5	12	1530	< 1	9	40	124	1.04	26	< 10	39	< 0.5	< 2	2.83	7
GC22-0083-017					8.40	2.50	622	1.4	< 0.5	91	753	< 1	57	6	167	2.95	92	12	< 10	< 0.5	13	0.99	52
GC22-0076-001					9.65	0.42	318	0.9	1.0	17	850	< 1	8	26	285	1.21	143	15	24	< 0.5	< 2	2.10	7
1324075239					9.67	0.51	312	0.5	0.5	22	906	< 1	6	65	244	1.67	46	14	42	< 0.5	< 2	2.05	7
1324075170					9.15	0.36	16	0.3	< 0.5	15	711	< 1	16	6	171	2.22	7	17	50	< 0.5	< 2	2.09	9
GC22-0075-001					8.85	1.31	195	1.9	13.3	32	244	< 1	9	25	3580	1.25	200	12	11	0.5	5	0.37	8
GC22-0077-015					9.13	0.49	83	3.6	2.7	71	1320	< 1	12	56	690	1.48	55	14	22	< 0.5	< 2	1.09	10
1317017019					8.54	0.51	58	0.2	< 0.5	20	395	1	8	5	63	2.99	11	11	29	< 0.5	< 2	1.77	8
GC22-0074-009					9.34	0.52	358	3.1	0.9	53	1320	< 1	7	131	242	1.05	66	11	26	< 0.5	< 2	3.15	9
GC22-0078-011					9.01	0.81	94	1.2	4.7	42	1790	< 1	14	43	1130	1.87	77	21	25	< 0.5	< 2	1.85	9
GC22-0075-011					9.13	0.57	97	1.4	1.2	32	1320	1	11	124	318	1.22	86	12	25	< 0.5	< 2	2.63	9
1325085222					9.30	0.37	82	0.6	< 0.5	48	679	1	9	3	58	1.01	7	14	40	< 0.5	< 2	2.03	9
F009108							1020	0.3	< 0.5	163	785	< 1	56	17	114	3.65	43	38	23	< 0.5	< 2	3.38	28
1317010134					9.04	0.47	404	0.4	2.3	36	800	< 1	8	5	726	1.84	24	13	35	< 0.5	< 2	1.71	8
1317010421					9.08	0.22	5	< 0.2	< 0.5	112	505	< 1	45	< 2	51	4.84	2	15	< 10	< 0.5	< 2	3.44	24
1318088077					8.86	0.44	236	0.4	< 0.5	42	438	< 1	10	4	50	2.40	26	< 10	33	< 0.5	4	1.55	8
1318088041					8.80	0.58	91	0.2	< 0.5	40	391	< 1	10	3	51	1.90	14	13	38	< 0.5	< 2	0.99	9
1318088005					9.08	0.29	47	0.3	< 0.5	160	656	< 1	51	< 2	71	3.98	2	13	< 10	< 0.5	< 2	2.73	26
1317009080					8.92	0.28	96	< 0.2	< 0.5	48	301	1	10	40	44	2.26	< 2	14	19	< 0.5	< 2	0.62	9
1318088023					8.97	0.48	604	0.6	< 0.5	77	541	2	11	8	78	2.50	10	14	40	< 0.5	< 2	1.80	8
1317010240					8.99	0.57	361	0.6	< 0.5	218	428	< 1	8	6	71	2.57	10	12	29	< 0.5	5	1.36	7

Analyte Symbol	AP (T-Sulphur)	NP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	kg H2SO4/t	Ratio	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit					0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	Calc	TITR	Calc	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1317010341					8.78	0.51	56	< 0.2	< 0.5	45	536	< 1	8	4	59	2.87	10	13	28	< 0.5	< 2	1.70	8
1317010466					8.85	0.61	53	0.5	< 0.5	87	422	4	12	4	62	1.85	8	14	23	< 0.5	2	1.31	10
1317009029					8.79	0.35	137	0.3	< 0.5	55	545	3	10	3	79	2.58	4	12	39	< 0.5	4	0.43	7
1318088001					9.05	0.30	14	< 0.2	< 0.5	127	515	< 1	42	< 2	50	4.92	< 2	21	< 10	< 0.5	< 2	3.48	24
1317009103					8.96	0.36	124	0.2	< 0.5	100	464	< 1	8	3	40	3.11	2	14	24	< 0.5	< 2	1.24	9
1317009124					9.01	0.33	585	0.4	< 0.5	29	580	< 1	12	14	173	2.76	6	16	43	< 0.5	< 2	0.90	8
1317002228					9.02	0.69	245	0.8	< 0.5	199	354	< 1	9	< 2	76	1.73	11	12	23	< 0.5	6	0.48	8
1317002209					9.03	0.64	222	0.4	< 0.5	91	354	< 1	12	< 2	165	2.01	8	11	17	< 0.5	5	0.44	9
1325080262					9.54	0.37	5	< 0.2	< 0.5	28	666	2	14	< 2	106	1.38	4	16	64	< 0.5	< 2	1.38	8
1317002245					9.29	0.18	7	< 0.2	< 0.5	102	399	< 1	40	< 2	46	5.06	< 2	15	< 10	< 0.5	< 2	3.64	21
1317002027					9.03	0.55	78	0.2	< 0.5	110	345	1	8	130	119	1.75	8	12	29	< 0.5	3	1.07	11
F009109							528	0.2	< 0.5	169	815	< 1	59	9	96	3.93	24	37	19	< 0.5	< 2	3.55	30
1317002004					9.05	0.71	33	0.2	0.7	18	505	1	13	3	276	2.18	10	12	24	< 0.5	< 2	1.20	10
1317002033					8.77	0.74	227	0.5	< 0.5	103	324	< 1	10	< 2	122	1.91	9	11	12	< 0.5	11	0.24	10
1325080252					9.44	0.38	7	< 0.2	< 0.5	15	756	< 1	47	< 2	300	2.53	6	22	89	< 0.5	< 2	2.45	12
1325080300					9.42	0.31	16	< 0.2	< 0.5	106	567	< 1	185	< 2	81	2.69	< 2	16	31	< 0.5	< 2	2.08	36
1325080234					9.39	0.37	9	< 0.2	< 0.5	18	674	< 1	17	6	156	1.87	3	15	49	< 0.5	< 2	2.53	9
1325081284					9.52	0.23	< 5	< 0.2	< 0.5	14	426	< 1	11	6	82	1.98	3	15	40	< 0.5	< 2	0.92	10
1325081218					9.42	0.44	30	< 0.2	< 0.5	17	929	< 1	14	3	126	2.91	17	17	62	< 0.5	< 2	2.73	9
GC22-0004-018					9.12	0.38	44	0.9	< 0.5	8	411	1	7	8	65	2.46	9	15	30	< 0.5	< 2	1.35	9
GC22-0007-005					9.13	0.50	369	3.0	1.3	16	710	1	11	39	343	2.07	39	14	26	< 0.5	< 2	1.83	9
GC22-0004-001					9.06	0.58	319	2.9	< 0.5	35	722	< 1	13	16	156	3.03	25	12	26	< 0.5	< 2	2.24	10
1325081288					9.37	0.39	7	< 0.2	0.6	13	799	< 1	23	9	252	1.65	6	14	46	< 0.5	< 2	2.62	8
1325081156					9.28	0.44	49	< 0.2	1.2	17	796	< 1	13	2	330	2.19	21	14	39	< 0.5	< 2	2.61	9
GC21-0001-001					9.15	0.63	301	0.4	1.3	61	1080	< 1	14	13	430	2.56	146	15	33	< 0.5	< 2	2.14	9
1325081176					8.88	1.46	70	0.9	1.3	86	2030	< 1	43	4	417	3.39	13	13	74	< 0.5	< 2	5.20	31
1325081178					9.34	0.75	86	0.2	0.5	60	1320	< 1	29	12	276	3.07	6	13	78	< 0.5	< 2	4.48	25
GC22-0002-001					9.09	0.63	396	6.3	< 0.5	44	1180	< 1	13	28	90	0.97	33	11	27	< 0.5	< 2	1.90	10
GC22-0003-001					9.34	0.52	566	2.7	1.1	32	580	< 1	10	14	287	1.79	20	12	30	< 0.5	< 2	1.49	7
1325081196					9.08	0.67	106	0.6	2.9	35	634	< 1	13	3	788	1.20	19	12	47	< 0.5	< 2	2.46	9
GC22-0006-001					8.99	0.57	96	0.6	< 0.5	25	1260	< 1	10	38	158	1.42	64	12	29	< 0.5	< 2	2.45	8
1325081112					8.86	0.47	9	< 0.2	< 0.5	98	1140	< 1	53	< 2	131	2.61	21	15	62	< 0.5	< 2	5.28	41
F009091							340	< 0.2	< 0.5	166	767	< 1	51	4	80	3.69	15	35	14	< 0.5	< 2	3.40	29
GC22-0086-005					8.90	0.67	233	0.5	< 0.5	100	399	1	16	2	87	1.44	31	11	14	< 0.5	10	0.91	15
GC22-0088-002					9.00	0.62	334	4.4	< 0.5	183	459	< 1	9	6	76	2.04	33	10	23	< 0.5	8	0.33	9
1317017095					8.88	0.26	8	< 0.2	< 0.5	117	425	< 1	40	< 2	45	5.16	< 2	14	< 10	< 0.5	< 2	3.80	21
GC22-0089-005					8.82	0.94	106	0.5	< 0.5	46	526	1	37	< 2	86	2.79	19	15	25	< 0.5	3	1.79	18
1317017082					8.76	0.60	107	0.7	< 0.5	101	482	3	13	16	70	2.05	9	14	36	< 0.5	2	1.50	9
1317017067					8.61	0.60	12	0.4	< 0.5	55	395	2	13	3	39	2.57	10	12	37	< 0.5	8	1.55	11
1317017040					8.92	0.79	317	0.7	< 0.5	80	581	1	10	9	231	2.23	8	16	40	< 0.5	< 2	1.79	8
1317017009					8.66	0.59	283	0.7	< 0.5	159	471	< 1	13	6	53	2.91	10	11	44	< 0.5	3	1.63	8
1317017007					8.47	0.58	335	0.7	< 0.5	124	427	< 1	9	7	46	2.51	8	14	39	< 0.5	2	1.36	8
131701798					9.20	0.19	8	< 0.2	< 0.5	117	533	< 1	46	< 2	78	5.05	< 2	16	< 10	< 0.5	< 2	3.54	24
GC22-0092-001					9.22	0.38	< 5	< 0.2	< 0.5	10	525	1	4	8	59	0.89	< 2	17	244	< 0.5	< 2	2.21	4
GC22-0091-004					9.27	0.25	69	< 0.2	< 0.5	22	618	1	4	12	58	0.77	< 2	16	220	< 0.5	< 2	1.99	5
GC22-0091-016					8.87	0.41	382	0.5	< 0.5	264	252	< 1	5	2	27	3.16	4	13	40	< 0.5	2	1.55	6
1317018167					8.72	0.65	515	1.0	< 0.5	202	377	< 1	7	10	114	1.41	22	12	27	< 0.5	9	0.46	8

Analyte Symbol	AP (T-Sulphur)	NP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	kg H2SO4/t	Ratio	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit					0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	Calc	TITR	Calc	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0088-013					8.88	0.46	279	0.4	< 0.5	79	231	2	6	5	28	2.48	7	15	33	< 0.5	4	0.97	9
GC22-0090-009					8.90	0.37	237	0.5	< 0.5	200	287	< 1	9	5	31	2.44	9	12	37	< 0.5	2	1.20	7
GC22-0095-018					8.67	0.54	362	1.0	< 0.5	606	257	< 1	7	3	26	2.41	9	< 10	25	< 0.5	20	1.35	9
GC22-0094-012					9.38	0.33	61	< 0.2	< 0.5	67	457	1	5	7	65	1.02	< 2	16	51	< 0.5	< 2	2.04	5
GC22-0093-001					8.34	2.40	1100	2.7	52.5	368	1110	< 1	21	16	> 10000	2.19	75	12	19	< 0.5	7	0.26	18
GC22-0095-020					9.05	0.29	726	1.0	< 0.5	327	228	< 1	2	4	28	2.64	5	12	43	< 0.5	6	1.54	4
GC22-0093-003					8.86	0.55	158	0.9	1.1	23	860	< 1	7	11	411	1.76	91	12	23	< 0.5	5	0.27	9
F009092							> 5000	1.5	< 0.5	170	767	< 1	52	26	128	3.65	62	35	28	< 0.5	< 2	3.52	28
1317001031					8.88	0.34	64	< 0.2	< 0.5	44	535	1	8	5	85	3.02	8	14	45	< 0.5	< 2	1.44	8
1317011190					8.84	0.53	99	2.7	< 0.5	60	328	1	13	24	69	1.47	39	15	26	< 0.5	4	1.19	9
1317011225					9.06	0.44	99	0.5	< 0.5	58	312	1	7	3	44	1.95	9	15	26	< 0.5	3	0.94	7
1317011284					8.93	0.53	294	1.2	< 0.5	135	593	1	30	21	64	1.99	14	16	24	< 0.5	< 2	1.85	15
1317001039					8.68	0.58	1100	0.8	< 0.5	172	545	4	9	3	103	1.75	9	12	38	< 0.5	< 2	1.86	9
1317001043					8.92	0.51	356	0.6	< 0.5	188	439	4	9	3	194	1.66	8	14	31	< 0.5	< 2	1.72	8
1317011203					8.58	0.56	777	0.9	< 0.5	82	439	< 1	10	11	45	2.14	24	16	36	< 0.5	3	1.49	7
1317011187					9.59	0.24	26	< 0.2	< 0.5	18	753	< 1	8	< 2	224	1.44	3	18	73	< 0.5	< 2	1.13	6
GC22-0021-010					8.83	0.44	210	0.9	< 0.5	428	211	20	7	< 2	31	2.68	12	15	41	< 0.5	< 2	1.37	5
GC22-0023-001					8.76	0.41	971	0.4	< 0.5	212	216	1	8	< 2	25	2.38	3	12	35	< 0.5	5	1.13	6
GC22-0022-003					8.99	0.58	76	1.6	< 0.5	426	383	26	10	< 2	101	3.29	8	14	44	< 0.5	< 2	1.55	11
1317011251					8.82	0.57	432	0.7	< 0.5	112	392	< 1	12	6	57	1.85	10	15	26	< 0.5	4	0.93	8
1317011232					8.82	0.42	355	0.4	< 0.5	36	431	< 1	7	3	224	2.02	9	12	35	< 0.5	5	1.18	8
1317011240					8.75	0.70	100	1.3	< 0.5	26	371	1	8	7	54	1.99	19	12	32	< 0.5	9	1.03	8
GC22-0023-002					8.88	0.33	578	< 0.2	< 0.5	59	217	< 1	4	< 2	23	2.11	10	14	45	< 0.5	4	0.73	7
GC22-0026-019					9.12	0.44	410	0.8	< 0.5	525	343	< 1	4	< 2	35	2.86	3	13	54	< 0.5	10	1.41	2
GC22-0024-007					9.03	0.36	352	< 0.2	< 0.5	99	231	< 1	3	< 2	24	2.15	10	12	45	< 0.5	< 2	1.03	5
1317011281					8.88	0.58	186	0.5	< 0.5	52	438	< 1	19	5	49	2.08	11	15	24	< 0.5	< 2	1.16	10
1317001175					8.68	0.63	146	0.4	0.5	44	836	1	15	8	236	1.93	17	11	42	< 0.5	< 2	2.09	10
1317001084					8.88	0.48	250	0.4	< 0.5	171	605	9	8	6	333	2.91	8	11	44	< 0.5	< 2	1.62	8
F009096							1180	0.3	< 0.5	166	752	< 1	52	24	118	3.55	50	33	25	< 0.5	< 2	3.39	27
1325080048					9.60	0.33	6	< 0.2	< 0.5	27	580	1	29	5	124	1.90	4	16	45	< 0.5	< 2	2.04	11
GC22-0014-014					8.51	3.97	1640	2.3	75.4	664	1120	< 1	17	7	> 10000	2.14	77	11	18	< 0.5	6	0.16	15
1325080040					9.45	0.44	8	< 0.2	< 0.5	28	599	< 1	46	7	139	2.15	3	16	47	< 0.5	< 2	1.73	14
1317011075					9.45	0.54	54	0.3	< 0.5	51	658	< 1	9	8	188	1.53	10	16	59	< 0.5	< 2	0.95	8
GC22-0014-019					9.21	1.37	208	1.1	21.1	221	660	< 1	16	9	5110	2.40	77	12	27	< 0.5	3	0.40	16
GC22-0016-010					9.01	0.86	131	0.9	1.6	34	481	< 1	12	9	483	1.61	109	11	25	< 0.5	7	0.26	11
1317001160					8.61	0.68	296	0.7	0.8	84	519	4	9	4	294	1.53	12	14	28	< 0.5	3	1.14	9
GC22-0018-001					9.12	0.56	616	1.5	< 0.5	805	410	< 1	5	< 2	46	2.58	3	12	62	< 0.5	32	0.91	3
GC22-0018-002					9.25	0.60	760	1.7	< 0.5	930	361	< 1	3	< 2	60	2.52	3	12	68	< 0.5	18	1.15	3
1317011058					9.03	0.28	32	< 0.2	< 0.5	24	524	< 1	7	52	147	2.91	9	18	43	< 0.5	< 2	1.29	7
GC22-0019-001					8.79	0.40	> 5000	0.9	< 0.5	427	157	1	5	< 2	25	1.23	10	13	45	< 0.5	3	0.50	5
1317011071					9.11	0.57	68	0.7	0.9	81	723	2	8	32	345	0.92	9	15	49	< 0.5	< 2	1.39	8
GC22-0015-018					9.06	0.41	36	0.2	< 0.5	38	342	1	13	3	101	3.35	2	12	24	< 0.5	< 2	1.77	8
1317001003					8.76	0.63	89	0.4	1.8	63	494	1	11	5	490	1.45	11	14	34	< 0.5	< 2	0.99	8
GC22-0018-021					9.13	0.57	138	0.2	< 0.5	24	245	1	10	< 2	29	2.43	7	15	32	< 0.5	< 2	1.37	8
GC22-0019-020					8.86	2.54	537	1.2	< 0.5	58	410	1	25	4	78	2.55	51	13	17	< 0.5	15	1.71	19
GC22-0020-020					9.23	0.79	47	0.5	< 0.5	29	593	< 1	182	< 2	88	2.80	9	12	32	< 0.5	9	3.71	20
1317011161					9.01	0.54	143	0.7	< 0.5	86	503	1	10	4	60	1.93	16	15	45	< 0.5	< 2	1.56	8

Analyte Symbol	AP (T-Sulphur)	NP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	kg H2SO4/t	Ratio	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit					0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	Calc	TITR	Calc	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1317001042					9.07	0.92	599	1.0	< 0.5	273	420	5	9	3	187	2.13	8	12	46	< 0.5	< 2	2.06	8
1317011158					9.52	0.32	582	0.3	< 0.5	32	677	< 1	8	3	156	1.69	4	16	60	< 0.5	< 2	1.22	7
F009097							541	< 0.2	< 0.5	157	788	< 1	57	10	92	3.77	24	37	18	< 0.5	< 2	3.43	29
GC22-0097-014					8.99	0.26	176	< 0.2	< 0.5	57	167	7	6	7	22	1.34	5	11	33	< 0.5	5	0.32	8
GC22-0096-020					8.71	0.61	740	1.2	< 0.5	189	232	1	4	< 2	27	2.54	59	12	24	< 0.5	3	1.60	7
1317018032					8.65	0.71	65	< 0.2	< 0.5	24	235	< 1	10	< 2	29	2.03	10	15	48	< 0.5	< 2	1.21	10
1317018008					9.07	0.17	6	< 0.2	< 0.5	122	507	< 1	42	84	91	4.57	< 2	17	< 10	< 0.5	< 2	3.38	24
1316002063					8.88	0.20	22	< 0.2	< 0.5	129	429	< 1	40	< 2	64	5.17	< 2	15	12	< 0.5	< 2	3.75	21
1317018090					8.89	0.70	72	< 0.2	0.5	36	607	1	8	10	232	2.85	< 2	12	42	< 0.5	< 2	1.97	8
1317018133					8.72	0.63	166	0.5	< 0.5	84	504	< 1	9	4	61	1.71	8	13	30	< 0.5	5	1.00	7
GC22-0099-018					8.59	2.29	319	0.9	< 0.5	36	577	< 1	22	4	72	2.73	54	11	16	< 0.5	15	0.75	20
GC22-0100-017					9.19	0.21	33	< 0.2	< 0.5	41	376	2	11	2	83	3.49	6	19	66	< 0.5	< 2	1.99	8
GC22-0099-006					9.13	0.46	64	1.6	< 0.5	544	345	33	10	< 2	86	2.98	8	16	73	< 0.5	2	1.67	12
1317018048					8.53	0.65	62	0.3	< 0.5	34	490	< 1	9	9	72	2.03	3	15	29	< 0.5	< 2	0.70	8
GC22-0099-009FD					8.90	0.49	180	1.0	< 0.5	346	267	5	15	< 2	101	2.26	13	14	48	< 0.5	< 2	0.76	15
1317018074					8.64	0.77	346	1.0	< 0.5	284	510	< 1	16	3	62	1.95	16	13	24	< 0.5	5	0.80	10
GC22-0101-001					8.73	0.58	279	0.3	< 0.5	111	245	1	5	3	45	1.92	12	13	51	< 0.5	< 2	1.15	6
GC22-0101-007					8.85	0.34	475	0.3	< 0.5	96	299	< 1	3	< 2	29	3.07	6	13	44	< 0.5	< 2	1.72	4
1317018062					8.57	0.72	160	0.3	< 0.5	40	383	1	12	6	70	1.80	19	15	37	< 0.5	2	1.08	9
F009399							1090	0.4	< 0.5	161	780	1	54	18	111	3.63	43	37	23	< 0.5	2	3.41	28
GC22-0027-001					9.22	0.63	325	0.4	< 0.5	162	280	4	7	< 2	77	2.54	7	12	51	< 0.5	< 2	1.70	6
GC22-0039-009					9.32	0.61	260	0.6	6.6	40	805	< 1	2	7	1930	2.53	11	12	45	< 0.5	< 2	1.11	5
GC22-0030-009FD					9.06	0.44	761	1.1	< 0.5	514	253	< 1	3	< 2	26	1.69	10	13	54	< 0.5	9	0.61	4
GC22-0033-015					9.16	0.67	173	0.4	1.5	31	882	1	20	4	528	2.95	27	11	28	< 0.5	9	0.72	14
GC22-0029-011					9.02	0.54	287	0.9	< 0.5	456	293	2	8	< 2	35	2.08	4	12	31	< 0.5	13	1.09	5
1317011299					8.08	0.87	128	0.5	< 0.5	10	282	< 1	7	8	128	1.17	20	11	22	< 0.5	6	0.39	6
GC22-0029-012					9.18	0.33	352	0.7	< 0.5	398	321	< 1	3	< 2	43	2.70	3	11	48	< 0.5	11	1.05	3
1325081072					8.86	0.72	12	< 0.2	< 0.5	64	1370	< 1	111	< 2	173	4.15	7	11	15	< 0.5	3	4.84	35
GC22-0040-002					8.97	0.71	868	2.7	1.5	117	832	< 1	13	3	590	2.97	21	11	35	< 0.5	2	1.51	15
1325085114					9.23	0.53	10	< 0.2	< 0.5	14	583	< 1	10	2	145	0.86	5	13	41	< 0.5	< 2	2.28	7
GC22-0036-014					8.76	1.40	94	0.5	< 0.5	39	905	1	27	7	201	2.78	58	12	26	< 0.5	4	0.73	23
GC22-0038-011					9.08	0.64	129	0.5	1.6	53	877	< 1	8	4	625	2.70	16	12	44	< 0.5	3	1.22	10
GC22-0032-001					9.46	0.35	86	0.2	1.0	33	655	< 1	7	2	371	2.24	3	12	79	< 0.5	< 2	0.76	7
GC22-0032-018					8.67	2.95	378	3.1	2.0	261	1530	1	49	16	690	4.19	165	10	15	< 0.5	20	0.37	40
GC22-0031-005					8.82	0.47	426	0.8	< 0.5	416	280	< 1	4	< 2	36	2.76	4	14	44	< 0.5	16	1.22	5
1317011347					8.82	0.52	85	0.4	< 0.5	34	416	< 1	8	5	87	1.94	18	15	36	< 0.5	5	0.91	8
GC22-0034-012					8.69	0.73	117	0.9	< 0.5	79	698	< 1	11	5	193	2.17	25	11	29	< 0.5	5	0.56	12
GC22-0035-009					9.07	0.60	198	0.4	< 0.5	16	508	< 1	9	2	113	2.40	16	13	33	< 0.5	3	1.13	8
1325081094					9.26	0.84	44	0.3	0.5	111	1310	< 1	51	< 2	204	2.88	15	14	91	< 0.5	< 2	4.95	35
GC22-0036-019					8.95	1.27	156	2.1	< 0.5	82	811	1	26	13	223	3.43	85	11	27	< 0.5	11	0.58	19
*GC22-0037-015					8.82	1.32	175	3.2	0.7	89	710	4	14	23	309	2.74	65	10	25	< 0.5	9	0.60	16
F009398							335	< 0.2	< 0.5	174	798	< 1	54	5	82	3.95	12	38	15	< 0.5	< 2	3.63	30
GC22-0008-013					9.06	0.46	35	0.6	< 0.5	24	571	3	9	8	71	2.52	14	15	31	< 0.5	< 2	0.98	11
GC22-0009-003					9.35	0.63	120	0.9	3.8	28	598	< 1	11	29	1010	2.16	39	14	33	< 0.5	< 2	1.90	8
GC22-0009-019					9.60	0.17	10	0.3	< 0.5	14	257	2	11	2	50	1.39	9	14	34	< 0.5	< 2	0.52	11
GC22-0010-001					9.25	0.50	220	2.1	2.4	17	502	< 1	9	28	580	1.96	17	15	28	< 0.5	< 2	1.53	8

Analyte Symbol	AP (T-Sulphur)	NP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	kg H2SO4/t	Ratio	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit					0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	Calc	TITR	Calc	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0010-019					9.01	0.84	86	0.5	6.6	50	738	2	31	31	1290	2.68	34	13	41	< 0.5	< 2	1.48	42
1317011064					8.84	0.45	904	1.7	< 0.5	362	546	< 1	7	6	110	2.22	9	16	47	< 0.5	3	0.96	7
1325081140					9.27	0.44	20	< 0.2	1.7	10	971	< 1	13	24	487	2.37	20	16	60	< 0.5	< 2	2.48	8
GC22-0011-002					9.43	0.71	215	8.4	1.6	43	1350	< 1	11	93	520	1.42	27	12	35	< 0.5	< 2	2.12	8
1320098003					8.04	0.90	4750	2.7	1.4	56	872	< 1	11	98	375	1.34	19	12	38	1.2	< 2	3.25	8
1317011123					9.63	0.23	28	< 0.2	< 0.5	12	717	< 1	9	4	93	1.56	4	16	74	< 0.5	< 2	0.57	7
1317011050					8.89	0.44	530	0.9	< 0.5	152	589	< 1	10	14	124	1.82	11	18	35	< 0.5	3	1.07	7
1325080056					9.36	0.24	< 5	< 0.2	< 0.5	18	577	< 1	21	< 2	86	1.68	< 2	23	43	< 0.5	< 2	1.98	10
GC22-0012-014					9.33	0.21	18	0.4	0.9	16	157	2	11	7	351	1.19	9	17	37	< 0.5	< 2	0.41	14
1325080203					9.36	0.33	47	0.5	< 0.5	17	531	< 1	11	8	136	1.70	6	17	42	< 0.5	< 2	1.44	7
GC22-0013-010					9.32	0.21	15	0.2	1.8	17	104	2	8	5	834	1.31	11	18	49	< 0.5	< 2	0.48	10
1325080010					9.30	0.43	19	0.6	< 0.5	168	662	2	15	4	122	2.49	7	18	74	< 0.5	< 2	2.22	11
GC22-0013-008					9.25	0.20	32	0.3	0.7	24	106	2	9	6	287	0.92	11	17	37	< 0.5	< 2	0.31	12
F009397							553	< 0.2	< 0.5	157	775	< 1	55	8	91	3.70	20	39	18	< 0.5	< 2	3.39	29
F007774							1770	0.5	< 0.5	164	789	1	88	6	67	3.80	12	32	18	< 0.5	< 2	3.50	30
F007265							551	0.2	< 0.5	161	793	< 1	56	10	92	3.79	21	41	18	< 0.5	< 2	3.45	29
GC21-0937-001					8.34	1.12	397	5.1	1.7	334	1190	< 1	22	58	526	2.27	133	12	26	< 0.5	5	0.24	9
1318060038					8.80	0.28	17	< 0.2	< 0.5	8	548	< 1	6	21	155	3.94	4	13	47	< 0.5	< 2	2.32	7
GC21-1069-002					8.98	0.72	483	2.1	4.8	27	1030	< 1	12	69	1310	1.16	164	13	36	< 0.5	< 2	1.47	8

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
GC22-0127-013	4	3.97	< 10	< 1	0.22	11	0.87	0.062	0.036	1.61	< 2	< 1	50	0.02	< 1	< 2	< 10	7	< 10	2	17	0.03	1.67
GC22-0128-009FD	260	4.04	10	< 1	0.54	57	3.15	0.085	0.206	0.03	3	9	375	0.20	< 1	< 2	< 10	93	< 10	5	5	0.88	0.02
GC22-0126-018	9	3.53	< 10	< 1	0.15	< 10	0.85	0.097	0.033	1.19	< 2	< 1	74	0.02	< 1	< 2	< 10	9	< 10	2	9	0.02	1.26
1324073186	50	11.4	10	2	0.29	< 10	1.51	0.189	0.073	1.86	5	15	34	0.18	2	< 2	< 10	239	< 10	11	5	0.50	2.12
GC22-0130-006	15	3.72	< 10	< 1	0.25	28	1.37	0.020	0.070	1.65	< 2	2	94	0.02	< 1	< 2	< 10	20	< 10	3	10	0.33	1.73
GC22-0131-002	8	3.79	< 10	< 1	0.21	13	1.34	0.062	0.038	1.48	< 2	< 1	37	< 0.01	< 1	< 2	< 10	11	< 10	2	23	0.13	1.54
1319045099	67	4.45	< 10	< 1	0.06	< 10	2.10	0.517	0.020	0.07	< 2	8	73	0.20	< 1	< 2	< 10	136	< 10	3	3	0.17	0.08
1319045047	52	3.28	< 10	< 1	0.44	18	1.46	0.053	0.054	2.30	< 2	1	34	0.02	< 1	< 2	< 10	15	< 10	3	10	0.80	2.35
1319045144	11	4.37	< 10	< 1	0.27	11	1.70	0.032	0.048	3.30	2	1	12	0.01	< 1	< 2	< 10	13	< 10	1	18	0.13	3.29
1319045119	10	3.08	< 10	< 1	0.31	17	1.70	0.038	0.051	2.28	< 2	1	13	0.02	< 1	< 2	< 10	14	< 10	2	18	0.12	2.25
GC22-0132-021	5	3.38	< 10	< 1	0.15	< 10	0.68	0.233	0.035	2.07	2	< 1	165	< 0.01	2	< 2	< 10	6	< 10	2	17	0.04	2.11
GC22-0033-001	6	3.72	< 10	< 1	0.20	13	1.17	0.066	0.040	1.12	< 2	< 1	37	0.04	< 1	< 2	< 10	10	< 10	2	14	0.05	1.18
1324073040	47	8.78	10	< 1	0.43	< 10	1.28	0.208	0.080	0.87	4	17	40	0.21	< 1	< 2	< 10	213	< 10	12	4	0.46	0.96
1319045091	7	2.24	< 10	< 1	0.23	14	0.79	0.104	0.044	1.77	< 2	< 1	45	0.03	< 1	< 2	< 10	13	< 10	2	14	0.44	1.75
GC22-0134-007	6	3.24	< 10	< 1	0.15	11	0.93	0.179	0.037	1.02	2	1	138	0.02	< 1	< 2	< 10	12	< 10	2	9	0.17	1.13
GC22-0132-012	4	3.71	< 10	< 1	0.17	< 10	0.59	0.097	0.032	2.29	3	< 1	65	0.01	1	< 2	< 10	5	< 10	2	19	0.11	2.39
F009106	20	5.98	10	< 1	0.08	< 10	1.70	0.130	0.038	0.20	3	6	36	0.37	< 1	< 2	< 10	157	< 10	9	14	0.09	0.23
1324075112	21	2.53	< 10	< 1	0.44	20	1.01	0.124	0.054	0.57	2	2	66	0.10	< 1	< 2	< 10	28	< 10	3	5	0.55	0.60
GC22-0070-007	5	2.29	< 10	< 1	0.20	< 10	0.54	0.024	0.045	2.22	2	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	2	16	0.68	2.15
1324075183	131	2.93	< 10	< 1	0.35	20	1.34	0.073	0.065	0.90	< 2	3	70	0.12	< 1	< 2	< 10	38	< 10	3	9	0.59	0.86
GC22-0072-016	6	2.28	< 10	< 1	0.23	13	0.73	0.204	0.043	1.87	2	< 1	113	0.01	< 1	< 2	< 10	10	< 10	2	7	0.57	1.80
GC22-0073-012	6	3.52	< 10	< 1	0.18	15	0.90	0.127	0.056	3.08	2	< 1	87	0.02	< 1	< 2	< 10	10	< 10	3	20	0.69	3.03
GC22-0068-014	8	2.36	< 10	< 1	0.34	13	1.03	0.161	0.042	2.14	2	< 1	48	0.01	< 1	< 2	< 10	9	< 10	2	16	0.65	2.14
1324075218	14	2.28	< 10	< 1	0.22	17	0.93	0.065	0.053	0.79	< 2	2	41	0.08	< 1	< 2	< 10	21	< 10	3	9	0.42	0.79
1324075187	17	2.45	< 10	2	0.45	23	1.03	0.199	0.060	0.56	3	2	121	0.13	2	< 2	< 10	31	< 10	3	8	0.38	0.59
GC22-0071-020	5	2.06	< 10	< 1	0.24	12	0.98	0.035	0.040	1.46	< 2	< 1	36	< 0.01	< 1	< 2	< 10	5	< 10	2	5	1.07	1.44
GC22-0083-017	38	13.3	10	2	0.14	< 10	2.08	0.105	0.073	12.2	6	10	56	0.12	1	< 2	< 10	147	< 10	8	10	0.20	13.1
GC22-0076-001	7	1.77	< 10	< 1	0.20	14	0.61	0.060	0.042	0.87	< 2	< 1	36	< 0.01	< 1	< 2	< 10	7	< 10	2	4	0.53	0.89
1324075239	5	1.86	< 10	< 1	0.27	15	0.60	0.132	0.040	1.33	< 2	< 1	45	< 0.01	< 1	< 2	< 10	7	< 10	2	6	0.51	1.33
1324075170	15	2.24	< 10	< 1	0.30	19	0.96	0.164	0.052	0.39	< 2	2	90	0.09	< 1	< 2	< 10	26	< 10	3	6	0.37	0.40
GC22-0075-001	4	3.49	< 10	< 1	0.37	12	0.41	0.026	0.044	3.69	3	< 1	17	< 0.01	< 1	< 2	< 10	7	< 10	1	22	0.08	3.63
GC22-0077-015	11	2.29	< 10	< 1	0.21	12	1.30	0.028	0.039	1.61	< 2	1	12	0.02	< 1	< 2	< 10	11	< 10	1	16	0.26	1.67
1317017019	5	3.29	< 10	< 1	0.13	12	1.00	0.151	0.040	2.16	< 2	< 1	194	< 0.01	< 1	< 2	< 10	10	< 10	2	12	0.14	2.18
GC22-0074-009	3	1.99	< 10	< 1	0.25	13	0.67	0.028	0.051	1.75	3	< 1	49	< 0.01	< 1	< 2	< 10	7	< 10	2	7	0.89	1.67
GC22-0078-011	12	3.27	< 10	< 1	0.28	12	1.86	0.022	0.044	2.68	< 2	1	12	0.02	< 1	< 2	< 10	13	< 10	2	14	0.50	2.70
GC22-0075-011	5	2.54	< 10	< 1	0.19	11	0.93	0.024	0.045	1.92	4	< 1	29	< 0.01	< 1	< 2	< 10	7	< 10	2	10	0.74	1.89
1325085222	10	2.41	< 10	< 1	0.14	13	0.71	0.043	0.042	0.61	< 2	1	31	0.02	1	< 2	< 10	13	< 10	3	7	0.76	0.63
F009108	22	5.98	10	< 1	0.11	< 10	1.67	0.194	0.039	0.29	3	6	42	0.37	1	< 2	< 10	154	18	9	16	0.12	0.33
1317010134	5	2.25	< 10	2	0.18	13	1.09	0.066	0.039	1.42	3	< 1	34	0.03	< 1	< 2	< 10	9	< 10	2	10		
1317010421	51	4.40	< 10	< 1	0.02	< 10	1.70	0.515	0.021	0.08	< 2	5	56	0.23	1	< 2	< 10	132	< 10	3	3	0.12	0.09
1318088077	7	2.63	< 10	< 1	0.16	12	0.68	0.142	0.041	1.89	< 2	< 1	94	< 0.01	2	< 2	< 10	8	< 10	2	14	0.11	1.90
1318088041	9	2.78	< 10	< 1	0.20	13	1.07	0.077	0.041	2.25	2	1	43	0.03	< 1	< 2	< 10	14	< 10	2	24	0.19	2.32
1318088005	100	4.45	< 10	< 1	0.03	< 10	2.03	0.306	0.021	0.25	2	5	51	0.21	< 1	< 2	< 10	111	< 10	3	4	0.22	0.26
1317009080	10	2.72	< 10	< 1	0.07	13	0.84	0.086	0.036	0.84	< 2	2	79	< 0.01	< 1	< 2	< 10	15	< 10	2	9	0.06	0.84
1318088023	8	2.28	< 10	< 1	0.20	12	0.67	0.231	0.040	1.55	2	< 1	156	0.03	< 1	< 2	< 10	11	< 10	2	8	0.12	1.60
1317010240	7	2.94	< 10	< 1	0.14	14	1.13	0.164	0.040	1.91	2	< 1	81	< 0.01	1	< 2	< 10	10	< 10	2	11	0.14	1.95
1317010341	6	2.15	< 10	< 1	0.10	15	0.91	0.190	0.046	2.01	< 2	< 1	132	< 0.01	1	< 2	< 10	8	< 10	2	8	0.10	1.98
1317010466	10	3.06	< 10	< 1	0.14	15	0.97	0.170	0.046	2.54	< 2	1	87	0.03	< 1	< 2	< 10	18	< 10	3	18	0.18	2.53
1317009029	9	5.19	< 10	< 1	0.16	14	1.50	0.031	0.040	0.93	2	1	28	0.04	< 1	< 2	< 10	17	< 10	3	16	0.06	0.64
1318088001	49	4.58	< 10	< 1	0.02	< 10	1.63	0.528	0.022	0.13	< 2	5	62	0.23	< 1	< 2	< 10	131	< 10	3	3	0.26	0.13

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
1317009103	7	3.19	< 10	< 1	0.11	13	1.22	0.131	0.036	0.97	2	2	111	0.02	< 1	< 2	< 10	16	< 10	2	6	0.13	0.95
1317009124	9	3.33	< 10	< 1	0.20	18	1.62	0.074	0.050	0.67	2	2	55	0.03	< 1	< 2	< 10	19	< 10	3	14	0.12	0.68
1317002228	7	3.28	< 10	< 1	0.16	14	1.20	0.058	0.044	2.68	< 2	< 1	31	< 0.01	< 1	< 2	< 10	9	< 10	3	18	0.12	2.75
1317002209	7	3.44	< 10	< 1	0.20	13	1.51	0.058	0.042	2.40	2	< 1	20	0.02	< 1	< 2	< 10	15	< 10	2	20	0.09	2.49
1325080262	15	2.22	< 10	< 1	0.44	20	0.88	0.082	0.052	0.68	< 2	2	31	0.09	< 1	< 2	< 10	28	< 10	3	10	0.33	0.69
1317002245	46	4.04	< 10	< 1	0.03	< 10	1.54	0.565	0.020	0.11	< 2	4	58	0.20	< 1	< 2	< 10	118	< 10	3	3	0.10	0.12
1317002027	7	2.85	< 10	< 1	0.14	18	1.11	0.132	0.054	2.04	< 2	1	78	0.02	< 1	< 2	< 10	16	< 10	3	6	0.24	2.03
F009109	21	6.43	10	< 1	0.08	< 10	1.80	0.139	0.040	0.21	2	6	41	0.41	< 1	< 2	< 10	167	< 10	9	15	0.10	0.22
1317002004	7	2.96	< 10	< 1	0.21	17	1.35	0.175	0.047	2.72	2	1	55	< 0.01	< 1	< 2	< 10	12	< 10	3	17	0.20	2.66
1317002033	6	3.81	< 10	< 1	0.26	15	1.42	0.041	0.045	3.02	< 2	< 1	18	< 0.01	< 1	< 2	< 10	11	< 10	3	22	0.09	3.08
1325080252	51	2.81	< 10	< 1	0.43	24	1.57	0.098	0.065	0.53	2	3	68	0.14	< 1	< 2	< 10	43	< 10	3	8	0.43	0.53
1325080300	297	4.28	< 10	< 1	0.10	< 10	2.91	0.143	0.059	0.20	3	8	103	0.18	< 1	< 2	< 10	116	< 10	3	8	0.25	0.22
1325080234	14	1.94	< 10	< 1	0.23	20	1.23	0.049	0.057	0.53	< 2	1	66	0.05	< 1	< 2	< 10	18	< 10	2	7	0.57	0.52
1325081284	8	2.07	< 10	< 1	0.20	20	0.87	0.127	0.052	0.25	< 2	2	53	0.05	< 1	< 2	< 10	18	< 10	3	5	0.15	0.28
1325081218	16	2.32	< 10	< 1	0.43	21	1.26	0.250	0.057	0.69	< 2	2	76	0.05	< 1	< 2	< 10	22	< 10	3	4	0.60	0.72
GC22-0004-018	5	2.02	< 10	< 1	0.18	14	0.69	0.152	0.047	1.55	2	< 1	168	< 0.01	1	< 2	< 10	6	< 10	2	12	0.06	1.61
GC22-0007-005	6	2.41	< 10	< 1	0.19	14	0.77	0.096	0.047	2.30	2	< 1	72	0.04	< 1	< 2	< 10	6	< 10	2	11	0.24	2.23
GC22-0004-001	14	2.65	< 10	< 1	0.18	14	0.94	0.229	0.048	2.25	< 2	< 1	107	0.01	< 1	< 2	< 10	10	< 10	2	10	0.21	2.33
1325081288	20	2.29	< 10	< 1	0.23	17	1.05	0.089	0.054	0.36	2	2	73	0.03	< 1	< 2	< 10	18	< 10	3	3	0.85	0.36
1325081156	14	2.30	< 10	< 1	0.23	18	1.05	0.158	0.049	0.69	< 2	1	64	0.04	< 1	< 2	< 10	16	< 10	3	5	0.59	0.68
GC21-0001-001	9	2.16	< 10	< 1	0.15	16	0.81	0.065	0.048	1.29	< 2	1	74	< 0.01	< 1	< 2	< 10	12	< 10	1	6	0.45	1.31
1325081176	41	7.50	10	< 1	0.58	< 10	1.38	0.272	0.066	0.84	4	11	106	0.14	< 1	< 2	< 10	142	< 10	8	8	2.00	0.90
1325081178	34	6.01	10	< 1	0.41	< 10	1.08	0.262	0.070	0.54	3	12	99	0.17	< 1	< 2	< 10	119	< 10	9	7	1.06	0.58
GC22-0002-001	4	2.30	< 10	< 1	0.24	16	0.66	0.024	0.053	2.43	4	< 1	32	0.03	1	< 2	< 10	5	< 10	2	5	0.52	2.28
GC22-0003-001	4	2.07	< 10	< 1	0.23	15	0.65	0.108	0.042	2.11	< 2	< 1	79	0.03	< 1	< 2	< 10	5	< 10	2	15	0.21	2.12
1325081196	8	2.34	< 10	< 1	0.23	20	0.79	0.052	0.043	1.26	2	< 1	37	< 0.01	< 1	< 2	< 10	9	< 10	3	7	0.93	1.25
GC22-0006-001	7	2.25	< 10	< 1	0.18	14	0.87	0.080	0.051	1.97	< 2	< 1	85	< 0.01	< 1	< 2	< 10	7	< 10	3	7	0.67	1.95
1325081112	60	6.93	10	< 1	0.30	< 10	0.95	0.109	0.069	0.17	3	18	35	0.14	< 1	< 2	< 10	188	< 10	12	2	1.50	0.19
F009091	12	5.84	10	< 1	0.07	< 10	1.65	0.098	0.038	0.17	< 2	6	52	0.39	2	< 2	< 10	162	< 10	8	13	0.07	0.19
GC22-0086-005	9	3.75	< 10	< 1	0.22	13	1.09	0.034	0.050	3.13	3	1	30	< 0.01	< 1	< 2	< 10	14	< 10	3	25	0.23	3.23
GC22-0088-002	6	3.10	< 10	< 1	0.22	12	1.73	0.049	0.042	2.13	< 2	< 1	27	< 0.01	2	< 2	< 10	10	< 10	3	23	0.04	2.21
1317017095	39	4.22	10	< 1	0.03	< 10	1.38	0.607	0.022	0.16	< 2	4	58	0.21	< 1	< 2	< 10	132	< 10	3	3	0.23	0.18
GC22-0089-005	70	5.18	< 10	< 1	0.14	19	2.39	0.068	0.069	2.82	< 2	4	81	0.05	< 1	< 2	< 10	45	< 10	5	16	0.37	3.00
1317017082	11	2.68	< 10	< 1	0.15	12	0.88	0.191	0.040	1.74	< 2	1	114	0.02	< 1	< 2	< 10	19	< 10	2	13	0.21	1.83
1317017067	7	3.50	< 10	< 1	0.15	18	1.09	0.212	0.050	2.17	< 2	2	171	< 0.01	< 1	< 2	< 10	17	27	3	10	0.31	2.27
1317017040	7	2.52	< 10	< 1	0.22	13	0.75	0.235	0.041	1.91	2	1	119	0.03	< 1	< 2	< 10	14	< 10	2	19	0.21	1.98
1317017009	8	3.35	< 10	< 1	0.15	13	0.89	0.236	0.043	1.66	< 2	1	167	0.02	< 1	< 2	< 10	12	< 10	2	16	0.22	1.75
1317017007	7	3.22	< 10	< 1	0.18	13	0.70	0.270	0.039	2.03	< 2	1	157	0.03	< 1	< 2	< 10	12	< 10	2	18	0.10	2.05
131701798	61	4.50	< 10	< 1	0.02	< 10	1.74	0.547	0.021	0.10	< 2	5	62	0.20	< 1	< 2	< 10	123	< 10	3	3	0.15	0.10
GC22-0092-001	7	1.55	< 10	< 1	0.28	68	0.27	0.066	0.087	0.14	< 2	< 1	116	< 0.01	< 1	< 2	< 10	7	< 10	5	< 1	0.65	0.13
GC22-0091-004	5	1.48	< 10	< 1	0.25	55	0.27	0.060	0.076	0.20	< 2	< 1	178	< 0.01	< 1	< 2	< 10	6	< 10	5	< 1	0.58	0.20
GC22-0091-016	4	2.68	< 10	< 1	0.19	< 10	0.68	0.319	0.034	1.46	< 2	< 1	200	< 0.01	< 1	< 2	< 10	8	< 10	2	12	0.07	1.48
1317018167	4	3.79	< 10	< 1	0.16	14	1.04	0.032	0.041	3.10	2	< 1	17	< 0.01	< 1	< 2	< 10	6	< 10	2	22	0.13	3.18
GC22-0088-013	6	3.29	< 10	< 1	0.15	12	1.23	0.117	0.040	1.75	< 2	< 1	85	< 0.01	2	< 2	< 10	10	< 10	2	16	0.08	1.80
GC22-0090-009	8	2.33	< 10	< 1	0.12	11	1.03	0.148	0.034	1.31	< 2	< 1	96	< 0.01	< 1	< 2	< 10	9	< 10	2	18	0.09	1.37
GC22-0095-018	5	3.43	< 10	< 1	0.13	< 10	0.68	0.168	0.035	2.32	< 2	< 1	99	< 0.01	< 1	< 2	< 10	7	< 10	2	16		
GC22-0094-012	5	1.76	< 10	1	0.22	47	0.44	0.048	0.074	0.79	< 2	< 1	99	< 0.01	< 1	< 2	< 10	6	< 10	4	1	0.52	0.77
GC22-0093-001	12	5.23	< 10	1	0.16	13	1.88	0.019	0.052	3.82	2	2	11	0.02	2	< 2	< 10	31	< 10	7	23	0.06	3.97
GC22-0095-020	4	2.26	< 10	< 1	0.19	< 10	0.67	0.171	0.032	1.19	< 2	< 1	105	< 0.01	< 1	< 2	< 10	6	< 10	2	15	0.09	1.20
GC22-0093-003	4	3.50	< 10	< 1	0.18	18	1.51	0.022	0.054	2.39	< 2	< 1	12	< 0.01	< 1	< 2	< 10	9	< 10	3	21	0.08	2.41
F009092	23	5.76	10	< 1	0.14	< 10	1.58	0.268	0.039	0.37	2	7	61	0.37	< 1	< 2	< 10	148	23	9	17	0.15	0.39

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
1317001031	8	2.37	< 10	< 1	0.13	16	0.88	0.130	0.052	0.66	3	< 1	87	< 0.01	< 1	2	< 10	12	< 10	2	2	0.20	0.66
1317011190	8	2.78	< 10	< 1	0.19	15	0.57	0.109	0.047	2.46	2	1	39	0.03	< 1	< 2	< 10	10	< 10	2	12	0.16	2.42
1317011225	7	3.15	< 10	< 1	0.24	12	0.81	0.066	0.039	1.60	2	1	56	0.04	2	< 2	< 10	10	< 10	2	21	0.09	1.71
1317011284	43	3.97	< 10	< 1	0.53	32	1.65	0.024	0.110	1.34	< 2	6	97	0.11	< 1	< 2	< 10	48	< 10	4	10	0.53	1.46
1317001039	8	2.75	< 10	< 1	0.16	13	0.80	0.172	0.042	2.01	< 2	1	116	0.03	< 1	< 2	< 10	13	< 10	3	16	0.41	2.03
1317001043	11	2.31	< 10	< 1	0.12	12	0.74	0.183	0.039	1.68	< 2	1	100	0.01	< 1	< 2	< 10	13	< 10	2	13	0.37	1.74
1317011203	10	2.74	< 10	< 1	0.22	14	0.72	0.172	0.044	1.93	< 2	1	63	0.04	1	< 2	< 10	13	< 10	2	13	0.18	2.01
1317011187	12	1.95	< 10	< 1	0.39	12	1.06	0.071	0.039	0.31	< 2	2	34	0.07	< 1	< 2	< 10	21	< 10	2	14	0.28	0.30
GC22-0021-010	5	2.36	< 10	< 1	0.16	11	0.72	0.158	0.037	1.58	< 2	< 1	123	< 0.01	< 1	< 2	< 10	9	< 10	2	13		
GC22-0023-001	4	2.83	< 10	< 1	0.18	< 10	0.64	0.184	0.037	1.84	< 2	< 1	128	< 0.01	< 1	< 2	< 10	7	< 10	2	18	0.06	1.88
GC22-0022-003	8	2.70	< 10	< 1	0.18	14	1.05	0.143	0.051	1.48	< 2	2	147	< 0.01	< 1	< 2	< 10	18	< 10	2	16	0.09	1.54
1317011251	12	3.35	< 10	< 1	0.24	16	0.94	0.055	0.049	1.68	< 2	2	53	0.04	< 1	< 2	< 10	14	< 10	2	13	0.13	1.66
1317011232	7	2.63	< 10	< 1	0.21	12	0.77	0.147	0.039	1.71	< 2	1	61	0.02	< 1	< 2	< 10	10	< 10	2	13		
1317011240	5	3.14	< 10	< 1	0.21	14	1.00	0.155	0.043	2.84	< 2	< 1	69	< 0.01	< 1	< 2	< 10	8	< 10	2	21	0.21	2.84
GC22-0023-002	4	2.37	< 10	< 1	0.14	11	0.53	0.074	0.037	1.35	< 2	< 1	55	< 0.01	< 1	< 2	< 10	7	< 10	2	15	0.04	1.38
GC22-0026-019	4	2.91	< 10	< 1	0.21	10	1.01	0.222	0.037	1.04	3	< 1	159	0.02	1	< 2	< 10	9	< 10	2	15	0.10	1.00
GC22-0024-007	4	2.17	< 10	< 1	0.18	11	0.56	0.097	0.038	1.23	< 2	< 1	59	< 0.01	< 1	< 2	< 10	6	< 10	2	12	0.09	1.23
1317011281	39	3.29	< 10	< 1	0.33	19	1.24	0.060	0.064	1.45	< 2	3	66	0.04	3	< 2	< 10	24	< 10	3	10	0.26	1.53
1317001175	8	2.41	< 10	< 1	0.18	19	0.84	0.183	0.053	1.76	2	1	86	0.04	< 1	< 2	< 10	14	< 10	3	16	0.48	1.82
1317001084	7	2.43	< 10	< 1	0.12	15	0.86	0.162	0.051	1.06	< 2	< 1	114	< 0.01	< 1	< 2	< 10	12	< 10	2	11	0.27	1.16
F009096	23	5.54	10	< 1	0.14	< 10	1.56	0.201	0.038	0.34	2	7	57	0.36	< 1	< 2	< 10	146	17	8	17	0.14	0.38
1325080048	23	1.99	< 10	< 1	0.23	11	1.30	0.059	0.043	0.20	< 2	2	57	0.07	< 1	< 2	< 10	26	< 10	2	10	0.47	0.21
GC22-0014-014	13	5.59	< 10	4	0.19	< 10	1.79	0.023	0.045	4.83	2	2	11	< 0.01	< 1	< 2	< 10	24	< 10	3	21	0.02	5.25
1325080040	26	2.12	< 10	< 1	0.25	12	1.29	0.068	0.045	0.23	< 2	2	61	0.09	< 1	< 2	< 10	30	< 10	3	12	0.26	0.22
1317011075	8	2.18	< 10	< 1	0.35	13	1.03	0.076	0.041	1.34	< 2	2	34	0.05	< 1	< 2	< 10	19	< 10	2	21		
GC22-0014-019	11	4.42	< 10	1	0.22	17	2.01	0.043	0.059	3.08	< 2	2	24	< 0.01	< 1	< 2	< 10	25	< 10	5	23	0.05	3.26
GC22-0016-010	6	3.83	< 10	< 1	0.22	20	1.27	0.030	0.058	3.31	3	< 1	19	< 0.01	< 1	< 2	< 10	9	< 10	4	30	0.06	3.47
1317001160	5	2.54	< 10	< 1	0.14	15	0.76	0.150	0.045	2.37	< 2	< 1	53	< 0.01	< 1	< 2	< 10	9	< 10	3	21	0.19	2.41
GC22-0018-001	4	3.61	< 10	< 1	0.26	< 10	0.94	0.097	0.036	1.01	< 2	< 1	60	0.02	1	< 2	< 10	8	< 10	2	20	0.06	0.98
GC22-0018-002	4	3.31	< 10	< 1	0.27	< 10	0.87	0.106	0.032	1.15	< 2	< 1	62	0.01	< 1	< 2	< 10	8	< 10	2	20	0.09	1.17
1317011058	7	2.20	< 10	< 1	0.16	11	1.05	0.115	0.038	0.50	< 2	1	90	0.03	< 1	< 2	< 10	13	< 10	2	16	0.14	0.53
GC22-0019-001	4	2.50	< 10	< 1	0.14	< 10	0.34	0.054	0.035	1.93	< 2	< 1	38	< 0.01	1	< 2	< 10	4	< 10	2	21	0.05	1.95
1317011071	7	2.22	< 10	< 1	0.23	13	0.74	0.049	0.045	1.65	< 2	1	31	0.02	< 1	< 2	< 10	13	< 10	2	25	0.40	1.68
GC22-0015-018	12	2.41	< 10	< 1	0.12	< 10	1.19	0.197	0.041	1.27	< 2	1	124	< 0.01	< 1	< 2	< 10	10	< 10	2	16	0.09	1.33
1317001003	8	2.24	< 10	< 1	0.17	15	0.77	0.135	0.043	2.07	< 2	< 1	41	< 0.01	< 1	< 2	< 10	7	< 10	2	24	0.17	2.16
GC22-0018-021	8	2.56	< 10	< 1	0.14	12	1.09	0.288	0.041	2.05	< 2	1	146	< 0.01	< 1	< 2	< 10	14	< 10	2	21		
GC22-0019-020	16	6.41	< 10	< 1	0.17	11	1.73	0.170	0.059	5.79	3	4	94	0.01	< 1	< 2	< 10	53	< 10	4	30	0.35	6.06
GC22-0020-020	384	3.17	< 10	< 1	0.13	17	3.22	0.135	0.079	1.09	2	6	129	< 0.01	1	< 2	< 10	43	< 10	3	9	1.55	1.20
1317011161	8	2.29	< 10	< 1	0.24	15	0.86	0.150	0.045	1.46	< 2	1	68	0.03	2	< 2	< 10	14	< 10	2	19	0.27	1.47
1317001042	9	2.55	< 10	< 1	0.16	13	0.72	0.268	0.041	1.93	< 2	1	136	0.01	< 1	< 2	< 10	15	< 10	2	16	0.45	1.92
1317011158	10	2.09	< 10	< 1	0.33	12	1.29	0.061	0.039	0.36	< 2	2	42	0.05	< 1	< 2	< 10	20	< 10	2	17	0.33	0.35
F009097	21	6.09	10	< 1	0.08	< 10	1.72	0.131	0.039	0.20	3	6	39	0.41	3	< 2	< 10	164	11	9	17	0.09	0.22
GC22-0097-014	3	2.20	< 10	< 1	0.17	< 10	0.69	0.045	0.036	0.97	< 2	< 1	36	< 0.01	< 1	< 2	< 10	6	< 10	2	16	0.03	0.91
GC22-0096-020	4	3.52	< 10	< 1	0.12	< 10	0.83	0.175	0.031	2.29	< 2	< 1	122	< 0.01	1	< 2	< 10	7	< 10	2	15	0.18	2.46
1317018032	9	2.66	< 10	< 1	0.38	11	0.94	0.080	0.039	1.92	< 2	2	39	0.05	1	< 2	< 10	18	< 10	2	26	0.13	2.00
1317018008	55	4.52	< 10	< 1	0.02	< 10	1.64	0.457	0.022	0.08	2	5	59	0.26	< 1	< 2	< 10	145	< 10	3	4	0.14	0.10
1316002063	41	4.13	< 10	< 1	0.04	< 10	1.37	0.622	0.022	0.19	3	4	63	0.20	< 1	< 2	< 10	120	< 10	3	4	0.16	0.21
1317018090	6	2.41	< 10	< 1	0.20	14	1.05	0.168	0.044	2.16	< 2	< 1	150	< 0.01	2	< 2	< 10	8	< 10	2	16	0.20	2.28
1317018133	5	3.14	< 10	< 1	0.21	12	0.94	0.073	0.041	2.84	< 2	< 1	42	0.02	< 1	< 2	< 10	7	< 10	2	26		
GC22-0099-018	19	7.52	< 10	< 1	0.16	< 10	1.68	0.135	0.054	5.78	3	5	82	0.02	< 1	< 2	< 10	62	< 10	4	24	0.09	6.41
GC22-0100-017	11	1.62	10	< 1	0.25	< 10	1.37	0.140	0.041	0.22	< 2	2	129	0.05	< 1	< 2	< 10	29	< 10	2	16		

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
GC22-0099-006	7	2.34	< 10	< 1	0.28	11	1.30	0.175	0.040	1.14	< 2	1	192	0.01	2	< 2	< 10	17	< 10	2	26		
1317018048	7	3.25	< 10	< 1	0.14	12	1.23	0.055	0.039	2.42	< 2	1	45	0.01	< 1	< 2	< 10	11	< 10	2	23	0.09	2.57
GC22-0099-009FD	9	3.79	< 10	< 1	0.20	12	1.26	0.073	0.046	1.82	< 2	2	64	0.02	< 1	< 2	< 10	17	< 10	4	30		
1317018074	10	3.97	< 10	< 1	0.15	16	1.38	0.070	0.048	3.08	2	1	38	0.03	< 1	< 2	< 10	16	< 10	3	25	0.15	3.03
GC22-0101-001	5	2.41	< 10	< 1	0.19	11	0.61	0.098	0.037	1.50	2	< 1	68	0.02	< 1	< 2	< 10	8	< 10	2	21	0.12	1.49
GC22-0101-007	4	2.45	< 10	< 1	0.16	< 10	0.74	0.127	0.034	0.96	< 2	< 1	102	0.02	< 1	< 2	< 10	8	< 10	2	15		
1317018062	8	3.13	< 10	< 1	0.20	17	1.02	0.085	0.047	2.51	< 2	1	64	0.04	< 1	< 2	< 10	14	< 10	3	26	0.16	2.51
F009399	22	5.87	10	< 1	0.11	< 10	1.64	0.189	0.039	0.28	5	6	43	0.38	2	< 2	< 10	156	19	9	18	0.12	0.33
GC22-0027-001	6	2.40	< 10	< 1	0.23	14	1.11	0.182	0.050	1.44	< 2	1	135	0.01	< 1	< 2	< 10	12	< 10	2	16	0.23	1.50
GC22-0039-009	2	2.62	< 10	< 1	0.21	17	1.08	0.165	0.048	1.32	2	< 1	72	0.01	< 1	< 2	< 10	7	< 10	2	14	0.06	1.35
GC22-0030-009FD	3	2.35	< 10	< 1	0.23	10	0.60	0.095	0.039	1.18	< 2	< 1	73	< 0.01	< 1	< 2	< 10	5	< 10	2	15	0.06	1.22
GC22-0033-015	16	4.18	< 10	< 1	0.18	12	2.35	0.082	0.049	2.16	2	3	39	< 0.01	< 1	< 2	< 10	37	< 10	5	18	0.08	2.25
GC22-0029-011	9	2.74	< 10	< 1	0.12	< 10	0.91	0.185	0.029	1.39	< 2	1	145	< 0.01	2	< 2	< 10	12	< 10	2	22	0.14	1.45
1317011299	6	4.53	< 10	< 1	0.18	10	0.85	0.037	0.039	4.42	2	< 1	14	< 0.01	< 1	< 2	< 10	5	< 10	2	30	0.14	4.57
GC22-0029-012	3	2.94	< 10	< 1	0.22	10	1.12	0.166	0.035	0.79	< 2	< 1	130	< 0.01	< 1	< 2	< 10	9	< 10	2	13	0.08	0.86
1325081072	99	7.49	10	< 1	0.12	< 10	2.96	0.142	0.039	0.36	3	10	63	0.07	< 1	< 2	< 10	123	< 10	6	4	1.78	0.41
GC22-0040-002	8	3.51	< 10	< 1	0.16	14	1.22	0.204	0.050	2.25	2	1	80	0.01	2	< 2	< 10	19	< 10	3	15	0.09	2.24
1325085114	7	1.96	< 10	< 1	0.18	12	0.74	0.050	0.043	0.20	< 2	< 1	40	0.02	< 1	< 2	< 10	9	< 10	3	10	1.07	0.21
GC22-0036-014	13	5.89	< 10	< 1	0.20	20	2.28	0.093	0.061	4.64	2	2	44	< 0.01	< 1	< 2	< 10	24	< 10	7	33	0.09	4.74
GC22-0038-011	6	3.40	< 10	< 1	0.22	17	1.09	0.180	0.051	2.00	2	1	72	< 0.01	1	< 2	< 10	15	< 10	3	15	0.08	2.02
GC22-0032-001	6	1.76	< 10	< 1	0.29	14	1.12	0.166	0.045	0.68	3	1	70	< 0.01	< 1	< 2	< 10	11	< 10	2	16	0.09	0.74
GC22-0032-018	34	11.1	10	< 1	0.18	< 10	4.05	0.029	0.079	8.08	6	9	17	< 0.01	3	< 2	< 10	111	< 10	10	22	0.06	8.93
GC22-0031-005	4	3.30	< 10	< 1	0.18	11	0.84	0.290	0.035	1.68	< 2	< 1	183	< 0.01	1	< 2	< 10	8	< 10	2	16	0.09	1.72
1317011347	6	2.64	< 10	< 1	0.20	14	0.92	0.134	0.040	1.97	< 2	< 1	63	< 0.01	< 1	< 2	< 10	9	< 10	2	21	0.22	1.92
GC22-0034-012	7	4.21	< 10	< 1	0.19	14	1.75	0.070	0.043	3.21	4	1	38	< 0.01	< 1	< 2	< 10	11	< 10	3	28	0.07	3.18
GC22-0035-009	8	3.08	< 10	< 1	0.17	12	1.32	0.118	0.049	2.07	< 2	< 1	80	< 0.01	2	< 2	< 10	9	< 10	2	20	0.13	2.06
1325081094	55	6.90	10	< 1	0.53	< 10	1.00	0.203	0.069	0.42	5	17	44	0.22	< 1	< 2	< 10	174	< 10	12	3	1.26	0.45
GC22-0036-019	16	6.53	< 10	< 1	0.19	21	3.30	0.044	0.069	4.43	2	2	31	0.02	< 1	< 2	< 10	29	< 10	6	38	0.06	4.58
*GC22-0037-015	13	5.49	< 10	< 1	0.17	15	2.62	0.046	0.054	4.21	< 2	2	33	0.01	< 1	< 2	< 10	19	< 10	4	31	0.08	4.29
F009398	14	6.15	10	< 1	0.08	< 10	1.73	0.104	0.039	0.17	2	6	59	0.43	3	< 2	< 10	172	< 10	9	18	0.07	0.20
GC22-0008-013	6	2.48	< 10	< 1	0.16	15	0.69	0.123	0.044	1.54	2	< 1	111	< 0.01	< 1	< 2	< 10	9	< 10	3	14	0.06	1.57
GC22-0009-003	6	2.29	< 10	< 1	0.21	14	0.72	0.150	0.045	2.25	< 2	< 1	56	0.04	< 1	< 2	< 10	7	< 10	2	21	0.22	2.25
GC22-0009-019	6	0.83	< 10	< 1	0.17	16	0.29	0.127	0.046	0.63	< 2	< 1	91	0.02	< 1	< 2	< 10	6	< 10	2	16	0.03	0.62
GC22-0010-001	5	2.08	< 10	< 1	0.20	13	0.70	0.094	0.044	2.12	2	< 1	65	0.02	< 1	< 2	< 10	6	< 10	2	22	0.16	2.13
GC22-0010-019	5	3.31	< 10	< 1	0.21	14	0.67	0.220	0.047	1.80	2	1	210	< 0.01	< 1	< 2	< 10	11	< 10	2	15	0.13	1.81
1317011064	6	3.26	< 10	< 1	0.17	12	0.78	0.088	0.041	1.32	< 2	< 1	49	0.04	< 1	< 2	< 10	11	< 10	2	21	0.12	1.28
1325081140	12	2.30	< 10	< 1	0.32	20	1.04	0.163	0.055	0.80	2	1	59	0.06	< 1	< 2	< 10	17	< 10	3	15	0.48	0.78
GC22-0011-002	4	2.22	< 10	< 1	0.25	15	0.73	0.091	0.047	2.32	3	< 1	73	< 0.01	1	< 2	< 10	6	< 10	2	24	0.55	2.36
1320098003	5	2.12	< 10	< 1	0.22	< 10	0.61	0.044	0.045	2.04	< 2	< 1	36	< 0.01	< 1	< 2	< 10	5	< 10	1	9	1.49	1.99
1317011123	13	2.04	< 10	< 1	0.47	13	1.18	0.075	0.039	0.46	< 2	2	27	0.08	< 1	< 2	< 10	24	< 10	2	19	0.15	0.52
1317011050	9	2.48	< 10	< 1	0.16	12	0.73	0.147	0.040	1.40	< 2	1	71	0.04	< 1	< 2	< 10	14	< 10	2	22	0.18	1.41
1325080056	20	2.19	< 10	< 1	0.19	20	1.01	0.043	0.052	0.13	< 2	2	101	0.08	< 1	< 2	< 10	28	< 10	2	12	0.41	0.14
GC22-0012-014	6	0.83	< 10	< 1	0.13	15	0.15	0.102	0.039	0.62	< 2	< 1	94	< 0.01	< 1	< 2	< 10	5	< 10	2	14	0.08	0.62
1325080203	9	1.99	< 10	< 1	0.22	16	0.87	0.101	0.046	0.58	< 2	1	47	0.06	< 1	< 2	< 10	17	< 10	3	18	0.27	0.64
GC22-0013-010	6	0.66	< 10	< 1	0.18	15	0.09	0.103	0.045	0.56	< 2	< 1	117	< 0.01	< 1	< 2	< 10	5	< 10	2	11	0.04	0.57
1325080010	17	2.43	< 10	< 1	0.45	29	1.01	0.231	0.070	0.52	2	2	115	0.11	< 1	< 2	< 10	32	< 10	4	6	0.63	0.55
GC22-0013-008	6	0.90	< 10	< 1	0.16	15	0.10	0.084	0.038	0.76	< 2	< 1	77	< 0.01	< 1	< 2	< 10	4	< 10	2	16	0.04	0.73
F009397	21	6.00	10	< 1	0.08	< 10	1.69	0.130	0.038	0.19	3	6	40	0.40	2	< 2	< 10	163	10	9	18	0.09	0.23
F007774	126	5.86	10	< 1	0.08	< 10	2.23	0.052	0.036	0.24	7	7	43	0.39	2	< 2	< 10	159	< 10	8	17	0.22	0.28
F007265	21	6.11	10	< 1	0.08	< 10	1.71	0.133	0.039	0.20	2	6	41	0.38	2	< 2	< 10	167	11	9	17	0.09	0.23

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
GC21-0937-001	225	4.69	< 10	< 1	0.29	< 10	1.92	0.025	0.045	3.27	3	1	7	< 0.01	1	< 2	< 10	14	< 10	2	14	0.11	3.34
1318060038	6	2.05	10	< 1	0.13	15	1.00	0.145	0.051	0.71	< 2	< 1	209	< 0.01	< 1	< 2	< 10	14	< 10	2	8	0.15	0.74
GC21-1069-002	118	2.59	< 10	< 1	0.31	12	0.59	0.020	0.045	2.37	5	< 1	25	< 0.01	< 1	< 2	< 10	7	< 10	1	19	0.40	2.27

Analyte Symbol	Fizz Rating	NNP	Modified-NP	NPR	AP (Sulphide)
Unit Symbol	-	-	kg CaCO3/t	Ratio	kg CaCO3/t
Lower Limit					0.01
Method Code	none	Calc	TITR	Calc	Calc
GC22-0127-013	None	-32.3	15.4	0.323	47.75
GC22-0128-009FD	Slight	80.9	80.9	0.000	< 0.01
GC22-0126-018	None	-28.6	6.98	0.196	35.62
1324073186	Slight	-11.6	38.0	0.766	49.57
GC22-0130-006	Slight	-12.3	35.7	0.744	47.91
GC22-0131-002	Slight	-26.7	15.0	0.360	41.65
1319045099	None	20.4	21.2	28.2	0.75
1319045047	Slight	2.87	59.0	1.05	56.12
1319045144	Slight	-96.9	-3.74	-0.0401	93.15
1319045119	Slight	-62.8	0.748	0.0118	63.55
GC22-0132-021	None	-53.0	7.96	0.131	60.93
GC22-0033-001	None	-23.7	9.46	0.285	33.17
1324073040	Slight	15.8	37.2	1.74	21.45
1319045091	Slight	-11.0	37.9	0.775	48.92
GC22-0134-007	None	-16.2	14.5	0.471	30.69
GC22-0132-012	Slight	-69.0	-0.499	-0.00728	68.49
F009106					
1324075112	Slight	26.3	41.0	2.79	14.71
GC22-0070-007	Slight	-7.10	54.4	0.885	61.54
1324075183	Slight	21.0	44.3	1.90	23.29
GC22-0072-016	Slight	-0.960	50.1	0.981	51.10
GC22-0073-012	None	-40.3	46.8	0.538	87.10
GC22-0068-014	None	-13.1	47.5	0.783	60.65
1324075218	Slight	44.6	64.4	3.26	19.77
1324075187	Slight	20.2	34.7	2.40	14.46
GC22-0071-020	Slight	14.9	53.1	1.39	38.24
GC22-0083-017	Slight	-361	20.7	0.0542	382.15
GC22-0076-001	Slight	21.9	45.2	1.94	23.31
1324075239	Slight	3.28	39.8	1.09	36.54
1324075170	Slight	20.8	29.6	3.35	8.83
GC22-0075-001	None	-90.6	7.99	0.0811	98.58
GC22-0077-015	Slight	-24.5	22.5	0.479	46.97
1317017019	None	-47.9	14.2	0.229	62.16
GC22-0074-009	Slight	25.8	72.5	1.55	46.73
GC22-0078-011	Slight	-30.9	45.2	0.594	76.07
GC22-0075-011	Slight	8.05	61.2	1.15	53.10
1325085222	Slight	36.6	52.6	3.30	15.90
F009108					
1317010134	Slight	-10.2	30.2	0.748	40.34
1317010421	None	18.3	18.7	49.3	0.38
1318088077	None	-40.6	14.0	0.256	54.53
1318088041	None	-87.2	-20.7	-0.311	66.51
1318088005	None	13.8	19.0	3.66	5.19
1317009080	None	-17.8	5.73	0.244	23.50
1318088023	None	-28.2	15.2	0.350	43.45
1317010240	None	-42.3	12.7	0.231	54.97
1317010341	None	-44.3	12.2	0.216	56.59
1317010466	Slight	-71.6	0.995	0.0137	72.60

Analyte Symbol	Fizz Rating	NNP	Modified-NP	NPR	AP (Sulphide)
Unit Symbol	-	-	kg CaCO3/t	Ratio	kg CaCO3/t
Lower Limit					0.01
Method Code	none	Calc	TITR	Calc	Calc
1317009029	Slight	-18.8	5.73	0.233	24.57
1318088001	None	11.1	12.0	13.2	0.91
1317009103	None	-14.9	10.2	0.407	25.17
1317009124	None	-8.24	10.5	0.560	18.73
1317002228	None	-71.1	7.48	0.0952	78.59
1317002209	None	-64.2	7.00	0.0983	71.17
1325080262	Slight	9.06	26.9	1.51	17.83
1317002245	None	7.62	9.49	5.09	1.87
1317002027	Slight	-41.9	15.7	0.273	57.57
F009109					
1317002004	Slight	-56.8	18.7	0.248	75.54
1317002033	None	-83.0	5.50	0.0621	88.50
1325080252	Slight	23.6	36.2	2.88	12.55
1325080300	Slight	19.1	22.7	6.34	3.58
1325080234	Slight	35.9	48.2	3.92	12.31
1325081284	Slight	7.98	14.2	2.28	6.23
1325081218	Slight	26.3	44.2	2.47	17.84
GC22-0004-018	None	-36.9	9.45	0.204	46.31
GC22-0007-005	Slight	-43.3	21.0	0.326	64.29
GC22-0004-001	Slight	-13.5	50.3	0.788	63.75
1325081288	Slight	46.0	53.2	7.38	7.21
1325081156	Slight	26.3	42.9	2.58	16.64
GC21-0001-001	Slight	4.73	38.1	1.14	33.41
1325081176	Slight	101	114	8.72	13.03
1325081178	Slight	33.1	43.6	4.16	10.47
GC22-0002-001	Slight	-24.2	40.5	0.626	64.71
GC22-0003-001	Slight	-41.0	19.0	0.316	59.99
1325081196	Slight	30.8	63.0	1.96	32.14
GC22-0006-001	Slight	-4.81	50.1	0.912	54.90
1325081112	Slight	116	117	111	1.06
F009091					
GC22-0086-005	Slight	-73.1	20.2	0.216	93.32
GC22-0088-002	None	-56.2	6.24	0.100	62.41
1317017095	None	9.71	12.5	4.49	2.78
GC22-0089-005	Slight	35.2	35.2	0.000	< 0.01
1317017082	Slight	-28.6	19.0	0.399	47.60
1317017067	Slight	-46.0	18.7	0.289	64.71
1317017040	Slight	-33.6	20.2	0.375	53.79
1317017009	Slight	-32.2	16.2	0.334	48.44
1317017007	None	-46.1	12.0	0.206	58.04
131701798	None	11.6	12.7	11.2	1.13
GC22-0092-001	Slight	44.6	44.9	172	0.26
GC22-0091-004	Slight	37.4	41.1	10.9	3.77
GC22-0091-016	None	-34.6	7.23	0.173	41.86
1317018167	None	-88.2	4.49	0.0484	92.71
GC22-0088-013	None	-42.4	8.48	0.167	50.86
GC22-0090-009	None	-29.7	8.24	0.217	37.98
GC22-0095-018	None	-61.4	7.22	0.105	68.66
GC22-0094-012	Slight	25.1	43.7	2.36	18.54
GC22-0093-001	None	-92.9	5.98	0.0605	98.85

Analyte Symbol	Fizz Rating	NNP	Modified-NP	NPR	AP (Sulphide)
Unit Symbol	-	-	kg CaCO3/t	Ratio	kg CaCO3/t
Lower Limit					0.01
Method Code	none	Calc	TITR	Calc	Calc
GC22-0095-020	None	-22.6	10.7	0.322	33.38
GC22-0093-003	None	-63.5	4.50	0.0662	68.00
F009092					
1317001031	None	-5.92	10.7	0.644	16.63
1317011190	None	-55.9	14.0	0.200	69.86
1317011225	None	-35.0	12.0	0.255	46.97
1317011284	Slight	-5.60	34.4	0.860	39.95
1317001039	Slight	-24.8	30.5	0.551	55.24
1317001043	Slight	-22.1	27.4	0.554	49.49
1317011203	None	-43.3	11.5	0.210	54.85
1317011187	Slight	17.8	24.7	3.59	6.88
GC22-0021-010	Slight	-35.7	11.2	0.239	46.91
GC22-0023-001	None	-46.8	7.48	0.138	54.33
GC22-0022-003	None	-30.3	12.7	0.296	42.99
1317011251	None	-35.6	12.0	0.252	47.60
1317011232	Slight	-31.0	14.2	0.315	45.18
1317011240	None	-66.0	12.0	0.154	77.98
GC22-0023-002	None	-34.4	5.48	0.137	39.83
GC22-0026-019	Slight	-17.0	11.7	0.408	28.74
GC22-0024-007	None	-22.7	11.2	0.330	33.91
1317011281	Slight	-19.0	22.0	0.537	40.93
1317001175	Slight	-16.0	34.2	0.682	50.22
1317001084	None	-28.5	1.99	0.0654	30.49
F009096					
1325080048	Slight	20.2	23.4	7.21	3.25
GC22-0014-014	None	-116	6.74	0.0549	122.77
1325080040	Slight	23.8	26.3	10.9	2.41
1317011075	Slight	-18.9	17.7	0.484	36.65
GC22-0014-019	None	-86.4	1.25	0.0142	87.62
GC22-0016-010	None	-93.6	5.75	0.0578	99.34
1317001160	Slight	-50.6	17.4	0.256	68.02
GC22-0018-001	None	-7.33	17.2	0.701	24.50
GC22-0018-002	Slight	-16.3	14.2	0.467	30.49
1317011058	Slight	1.73	14.2	1.14	12.50
GC22-0019-001	None	-41.0	15.7	0.277	56.73
1317011071	Slight	-20.0	25.7	0.563	45.65
GC22-0015-018	None	-31.3	6.00	0.161	37.26
1317001003	Slight	-43.2	16.2	0.272	59.43
GC22-0018-021	Slight	-41.6	18.5	0.307	60.10
GC22-0019-020	Slight	-128	34.7	0.213	162.87
GC22-0020-020	Slight	91.4	121	4.12	29.26
1317011161	Slight	-16.8	23.5	0.583	40.26
1317001042	Slight	-18.6	31.7	0.631	50.30
1317011158	Slight	22.1	29.9	3.86	7.75
F009097					
GC22-0097-014	None	-45.1	-19.5	-0.760	25.65
GC22-0096-020	Slight	-52.1	18.2	0.259	70.37
1317018032	Slight	-39.1	14.4	0.270	53.53
1317018008	None	-10.8	-9.48	-7.15	1.33

Analyte Symbol	Fizz Rating	NNP	Modified-NP	NPR	AP (Sulphide)
Unit Symbol	-	-	kg CaCO3/t	Ratio	kg CaCO3/t
Lower Limit					0.01
Method Code	none	Calc	TITR	Calc	Calc
1316002063	None	40.6	45.1	9.87	4.57
1317018090	Slight	-44.7	18.7	0.295	63.48
1317018133	Slight	-71.2	12.7	0.152	83.87
GC22-0099-018	None	-166	10.2	0.0579	176.30
GC22-0100-017	Slight	12.4	17.7	3.34	5.30
GC22-0099-006	Slight	-14.4	17.9	0.555	32.36
1317018048	None	-65.9	7.75	0.105	73.66
GC22-0099-009FD	Slight	-41.8	12.5	0.230	54.33
1317018074	None	-76.2	10.5	0.121	86.69
GC22-0101-001	Slight	-27.1	13.3	0.328	40.38
GC22-0101-007	None	-0.0602	20.7	0.997	20.74
1317018062	None	-56.6	14.2	0.201	70.86
F009399					
GC22-0027-001	Slight	-21.7	18.7	0.463	40.34
GC22-0039-009	None	-26.0	9.72	0.272	35.72
GC22-0030-009FD	None	-24.9	8.49	0.254	33.43
GC22-0033-015	None	-75.9	-12.5	-0.197	63.42
GC22-0029-011	Slight	0.492	40.1	1.01	39.60
1317011299	None	-131	2.75	0.0205	133.89
GC22-0029-012	None	-34.2	-11.7	-0.523	22.46
1325081072	Slight	177	182	34.8	5.24
GC22-0040-002	Slight	-49.0	13.5	0.216	62.48
1325085114	Slight	63.1	64.1	62.1	1.03
GC22-0036-014	Slight	-111	22.5	0.168	133.50
GC22-0038-011	Slight	-43.5	13.2	0.233	56.69
GC22-0032-001	Slight	-5.03	14.5	0.742	19.50
GC22-0032-018	None	-236	12.5	0.0502	248.33
GC22-0031-005	None	-39.0	9.96	0.204	48.91
1317011347	None	-44.1	10.5	0.192	54.54
GC22-0034-012	None	-83.2	8.46	0.0924	91.65
GC22-0035-009	Slight	-61.3	-3.00	-0.0514	58.29
1325081094	Slight	95.7	101	19.4	5.21
GC22-0036-019	None	-119	10.5	0.0806	129.87
*GC22-0037-015	None	-110	10.7	0.0893	120.30
F009398					
GC22-0008-013	None	-25.2	19.0	0.429	44.18
GC22-0009-003	Slight	-37.9	25.9	0.406	63.76
GC22-0009-019	None	-11.5	6.24	0.352	17.71
GC22-0010-001	Slight	-42.9	18.4	0.300	61.32
GC22-0010-019	Slight	-32.0	15.7	0.330	47.75
1317011064	Slight	-22.9	13.0	0.361	35.86
1325081140	Slight	29.8	49.6	2.51	19.76
GC22-0011-002	Slight	-17.8	48.5	0.731	66.29
1320098003	Slight	24.9	77.6	1.47	52.71
1317011123	None	1.05	14.7	1.08	13.68
1317011050	Slight	-25.0	14.4	0.366	39.40
1325080056	Slight	34.1	35.9	20.0	1.80
GC22-0012-014	None	-12.2	5.00	0.290	17.23

Analyte Symbol	Fizz Rating	NNP	Modified-NP	NPR	AP (Sulphide)
Unit Symbol	-	-	kg CaCO3/t	Ratio	kg CaCO3/t
Lower Limit					0.01
Method Code	none	Calc	TITR	Calc	Calc
1325080203	Slight	19.2	35.7	2.16	16.55
GC22-0013-010	None	-9.96	5.50	0.356	15.45
1325080010	Slight	21.0	33.9	2.63	12.86
GC22-0013-008	None	-17.2	3.49	0.168	20.73
F009397					
F007774					
F007265					
GC21-0937-001	None	-89.7	2.99	0.0323	92.70
1318060038	None	-5.24	15.0	0.741	20.24
GC21-1069-002	Slight	-26.4	37.0	0.584	63.37

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas				0.3	< 0.5	66	1090	1	24	102	129	6.52	219	20	809	0.9	< 2	0.15	13	81	5.61	20	2
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680
GXR-6 Meas				0.3	< 0.5	66	1090	2	22	99	126	6.54	223	19	830	0.9	< 2	0.15	13	79	5.62	20	< 1
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680
GXR-6 Meas				0.3	< 0.5	66	1070	2	22	96	124	6.50	221	20	830	0.9	< 2	0.15	13	78	5.58	20	< 1
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680
BaSO4 Meas		41.8																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.4																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.2																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.6																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.8																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.8																					
BaSO4 Cert		41.94																					
BaSO4 Meas		42.3																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.8																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.5																					
BaSO4 Cert		41.94																					
BaSO4 Meas		42.9																					
BaSO4 Cert		41.94																					
BaSO4 Meas		42.3																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.9																					
BaSO4 Cert		41.94																					
BaSO4 Meas		42.3																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.9																					
BaSO4 Cert		41.94																					
BaSO4 Meas		43.0																					
BaSO4 Cert		41.94																					
BaSO4 Meas		42.3																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.9																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.5																					
BaSO4 Cert		41.94																					
BaSO4 Meas		42.0																					
BaSO4 Cert		41.94																					
BaSO4 Meas		41.6																					
BaSO4 Cert		41.94																					
BaSO4 Meas		42.0																					
BaSO4 Cert		41.94																					
BaSO4 Meas		42.1																					

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Cert		41.94																					
OREAS 98 (Aqua Regia) Meas				39.9		> 10000				285	1210						35		101				
OREAS 98 (Aqua Regia) Cert				42.8		147000				343	1300						93		111				
OREAS 98 (Aqua Regia) Meas				41.4		> 10000				289	1240						44		105				
OREAS 98 (Aqua Regia) Cert				42.8		147000				343	1300						93		111				
OREAS 98 (Aqua Regia) Meas				41.1		> 10000				294	1250						40		106				
OREAS 98 (Aqua Regia) Cert				42.8		147000				343	1300						93		111				
OREAS 98 (Aqua Regia) Meas				40.4		> 10000				282	1220						23		104				
OREAS 98 (Aqua Regia) Cert				42.8		147000				343	1300						93		111				
RTS-3a Meas		29.7																					
RTS-3a Cert		29.90																					
RTS-3a Meas		29.6																					
RTS-3a Cert		29.90																					
RTS-3a Meas		29.7																					
RTS-3a Cert		29.90																					
RTS-3a Meas		29.6																					
RTS-3a Cert		29.90																					
RTS-3a Meas		29.5																					
RTS-3a Cert		29.90																					
RTS-3a Meas		29.0																					
RTS-3a Cert		29.90																					
RTS-3a Meas		29.0																					
RTS-3a Cert		29.90																					
RTS-3a Meas		28.9																					
RTS-3a Cert		29.90																					
RTS-3a Meas		29.4																					
RTS-3a Cert		29.90																					
RTS-3a Meas		29.5																					
RTS-3a Cert		29.90																					
RTS-3a Meas		29.7																					
RTS-3a Cert		29.90																					
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas		< 0.05																					
SiO2 Cert																							
SiO2 Meas		< 0.05																					
SiO2 Cert																							
SiO2 Meas		< 0.05																					
SiO2 Cert																							
SiO2 Meas		< 0.05																					
SiO2 Cert																							
SiO2 Meas		0.06																					
SiO2 Cert																							
SiO2 Meas		< 0.05																					
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SiO2 Meas		< 0.05																					
SiO2 Cert																							
SiO2 Meas		< 0.05																					
SiO2 Cert																							
SiO2 Meas		0.07																					
SiO2 Cert																							
SiO2 Meas		0.07																					
SiO2 Cert																							
SiO2 Meas		0.07																					
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas	8.56																						
NBM-1 (slight fzz) Cert	8.53																						
NBM-1 (slight fzz) Meas	8.53																						
NBM-1 (slight fzz) Cert	8.53																						
NBM-1 (slight fzz) Meas	9.20																						
NBM-1 (slight fzz) Cert	8.53																						

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas				0.8	< 0.5	2100	800	< 1	33	66	266	2.60	6		71	0.8	6	0.41	19	45	4.96	< 10	
OREAS 922 (AQUA REGIA) Cert				0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	
OREAS 922 (AQUA REGIA) Meas				0.8	< 0.5	2190	814	< 1	35	64	274	2.73	4		74	0.8	10	0.42	19	47	5.30	< 10	
OREAS 922 (AQUA REGIA) Cert				0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	
OREAS 922 (AQUA REGIA) Meas				0.8	< 0.5	2320	843	< 1	37	63	286	2.80	2		74	0.8	8	0.43	20	48	5.52	< 10	
OREAS 922 (AQUA REGIA) Cert				0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	
OREAS 922 (AQUA REGIA) Meas				0.8	< 0.5	2170	791	< 1	33	65	257	2.59	4		68	0.7	11	0.40	19	45	5.11	< 10	
OREAS 922 (AQUA REGIA) Cert				0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	
OREAS 923 (AQUA REGIA) Meas				1.6	< 0.5	4240	913	< 1	33	90	354	2.68	6		60	0.7	18	0.42	21	43	5.90	< 10	
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	
OREAS 923 (AQUA REGIA) Meas				2.3	< 0.5	4340	926	< 1	32	83	356	2.73	7		60	0.7	22	0.42	22	43	6.07	< 10	
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	
OREAS 923 (AQUA REGIA) Meas				1.6	< 0.5	4500	937	< 1	36	88	361	2.79	7		58	0.7	24	0.42	22	44	6.21	< 10	
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	
OREAS 923 (AQUA REGIA) Meas				1.9	< 0.5	4400	917	< 1	32	94	350	2.67	5		56	0.7	20	0.41	22	42	6.05	< 10	
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	
Oreas 96 (Aqua Regia) Meas				10.9		> 10000				94	435						16		44				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
Oreas 96 (Aqua Regia) Meas				10.6		> 10000				89	424						16		44				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
Oreas 96 (Aqua Regia) Meas				11.1		> 10000				95	439						25		46				
Oreas 96 (Aqua				11.50		39100.				100	448						27.9		49.2				

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert						00																	
Oreas 96 (Aqua Regia) Meas				10.8		> 10000				93	435						19		45				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
OREAS 45f (Aqua Regia) Meas						348	181	< 1	227	7	26	6.68			134	1.1	< 2	0.07	38	358	13.8	20	1
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
OREAS 45f (Aqua Regia) Meas						375	187	< 1	240	9	28	6.97			141	1.1	2	0.07	39	376	14.7	20	< 1
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
OREAS 45f (Aqua Regia) Meas						361	179	< 1	235	9	27	6.69			141	1.1	< 2	0.07	39	371	14.5	20	2
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
OREAS 45f (Aqua Regia) Meas						360	182	< 1	230	8	26	6.51			139	1.1	< 2	0.07	38	363	14.3	20	3
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
OREAS 238 (Fire Assay) Meas			3070																				
OREAS 238 (Fire Assay) Cert			3030																				
OREAS 238 (Fire Assay) Meas			3080																				
OREAS 238 (Fire Assay) Cert			3030																				
OREAS 238 (Fire Assay) Meas			2950																				
OREAS 238 (Fire Assay) Cert			3030																				
OREAS 238 (Fire Assay) Meas			3050																				
OREAS 238 (Fire Assay) Cert			3030																				
OREAS 238 (Fire Assay) Meas			3080																				
OREAS 238 (Fire Assay) Cert			3030																				
OREAS 238 (Fire Assay) Meas			3010																				
OREAS 238 (Fire Assay) Cert			3030																				
OREAS 238 (Fire Assay) Meas			3020																				
OREAS 238 (Fire Assay) Cert			3030																				
OREAS 238 (Fire Assay) Meas			2950																				
OREAS 238 (Fire Assay) Cert			3030																				
OREAS 238 (Fire Assay) Meas			3110																				
OREAS 238 (Fire Assay) Cert			3030																				

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS316-3 Meas																							
GS316-3 Cert																							
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GS316-3 Meas																							
GS316-3 Cert																							
Oreas E1336 (Fire Assay) Meas			509																				
Oreas E1336 (Fire Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			523																				
Oreas E1336 (Fire Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			490																				
Oreas E1336 (Fire Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			504																				
Oreas E1336 (Fire Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			503																				
Oreas E1336 (Fire Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			513																				
Oreas E1336 (Fire Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			510																				
Oreas E1336 (Fire																							

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			502																				
Oreas E1336 (Fire Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			502																				
Oreas E1336 (Fire Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			517																				
Oreas E1336 (Fire Assay) Cert			510.000																				
Oreas E1336 (Fire Assay) Meas			520																				
Oreas E1336 (Fire Assay) Cert			510.000																				
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
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GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas				41.0	164	1740	477	10	14	> 5000	> 10000	1.22	50		13	0.7	< 2	1.40	13	17	2.60	< 10	2
Oreas 620 (Aqua Regia) Cert				38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58	6	2
Oreas 620 (Aqua Regia) Meas				42.0	167	1880	485	10	16	> 5000	> 10000	1.25	50		13	0.7	2	1.43	14	22	2.71	< 10	2
Oreas 620 (Aqua Regia) Cert				38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58	6	2
Oreas 620 (Aqua Regia) Meas				42.5	168	1800	479	11	14	> 5000	> 10000	1.24	49		< 10	0.7	3	1.44	14	18	2.71	< 10	2
Oreas 620 (Aqua Regia) Cert				38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58	6	2

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 620 (Aqua Regia) Meas				41.1	164	1840	473	10	16	> 5000	> 10000	1.18	49		16	0.7	2	1.41	13	21	2.65	< 10	2
Oreas 620 (Aqua Regia) Cert				38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58	6	2
OREAS L15 Meas			> 5000																				
OREAS L15 Cert			7180																				
GC22-0130-006 Orig				< 0.2	< 0.5	13	380	< 1	13	< 2	39	1.81	7	12	18	< 0.5	3	1.29	11	15	3.72	< 10	< 1
GC22-0130-006 Dup				< 0.2	< 0.5	13	383	< 1	13	3	38	1.80	7	14	19	< 0.5	< 2	1.30	11	15	3.72	< 10	< 1
1319045144 Orig			372																				
1319045144 Dup			389																				
1319045119 Orig		0.72																					
1319045119 Dup		0.73																					
GC22-0132-012 Orig			727																				
GC22-0132-012 Dup			752																				
1324075183 Orig		0.45		0.3	< 0.5	20	803	< 1	62	5	195	1.65	5	15	83	< 0.5	< 2	2.21	19	131	2.93	< 10	< 1
1324075183 Dup		0.46		0.3	< 0.5	20	806	< 1	63	5	198	1.68	5	16	58	< 0.5	< 2	2.22	20	132	2.98	< 10	< 1
1324075187 Orig			34																				
1324075187 Dup			37																				
GC22-0083-017 Orig		2.50																					
GC22-0083-017 Dup		2.73																					
1324075239 Orig				0.5	0.5	22	906	< 1	6	65	244	1.67	46	14	42	< 0.5	< 2	2.05	7	5	1.86	< 10	< 1
1324075239 Dup				0.5	0.5	23	901	1	9	66	244	1.69	47	16	43	< 0.5	< 2	2.05	7	5	1.88	< 10	< 1
GC22-0075-001 Orig																							
GC22-0075-001 Dup																							
1317017019 Orig		0.51																					
1317017019 Dup		0.61																					
1317010421 Orig			5																				
1317010421 Dup			6																				
1318088077 Orig																							
1318088077 Dup																							
1318088005 Orig		0.29																					

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1318088005 Dup		0.29																					
1317010466 Orig				0.5	< 0.5	87	422	4	12	4	62	1.85	8	14	23	< 0.5	2	1.31	10	10	3.06	< 10	< 1
1317010466 Dup				0.5	< 0.5	87	420	3	12	5	62	1.80	8	14	19	< 0.5	2	1.29	10	10	3.03	< 10	< 1
1317009029 Orig			137																				
1317009029 Dup			141																				
1317009124 Orig																							
1317009124 Dup																							
1317002245 Orig		0.18																					
1317002245 Dup		0.17																					
1325080300 Orig																							
1325080300 Dup																							
1325080234 Orig				< 0.2	< 0.5	18	674	< 1	17	6	156	1.87	3	15	49	< 0.5	< 2	2.53	9	14	1.94	< 10	< 1
1325080234 Dup				< 0.2	< 0.5	17	697	< 1	16	6	158	1.88	2	13	50	< 0.5	< 2	2.55	9	14	1.95	< 10	< 1
GC22-0004-018 Orig		0.38																					
GC22-0004-018 Dup		0.38																					
1325081178 Orig	9.34																						
1325081178 Dup	9.36																						
1325081112 Orig			9	< 0.2	< 0.5	98	1140	< 1	53	< 2	131	2.61	21	15	62	< 0.5	< 2	5.28	41	60	6.93	10	< 1
1325081112 Dup			9	0.2	0.5	102	1180	< 1	56	< 2	133	2.70	28	12	63	< 0.5	< 2	5.37	43	60	7.22	10	< 1
GC22-0086-005 Orig		0.67																					
GC22-0086-005 Dup		0.80																					
GC22-0089-005 Orig																							
GC22-0089-005 Dup																							
1317017082 Orig																							
1317017082 Dup																							
1317017009 Orig				0.7	< 0.5	159	471	< 1	13	6	53	2.91	10	11	44	< 0.5	3	1.63	8	8	3.35	< 10	< 1
1317017009 Dup				0.5	< 0.5	162	479	< 1	9	5	55	2.95	8	13	44	< 0.5	2	1.65	7	7	3.40	< 10	< 1
131701798 Orig		0.19																					
131701798 Dup		0.21																					

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0095-018 Orig																							
GC22-0095-018 Dup																							
GC22-0093-003 Orig																							
GC22-0093-003 Dup																							
1317011190 Orig		0.53																					
1317011190 Dup		0.53																					
1317011225 Orig			99																				
1317011225 Dup			124																				
1317001039 Orig				0.8	< 0.5	172	545	4	9	3	103	1.75	9	12	38	< 0.5	< 2	1.86	9	8	2.75	< 10	< 1
1317001039 Dup				0.8	< 0.5	173	541	4	8	3	103	1.75	7	12	36	< 0.5	< 2	1.85	8	8	2.76	< 10	< 1
GC22-0022-003 Orig		0.58																					
GC22-0022-003 Dup		0.54																					
1317011251 Orig																							
1317011251 Dup																							
1317011232 Orig			355																				
1317011232 Dup			235																				
1317001084 Orig			250																				
1317001084 Dup			198																				
1325080040 Orig																							
1325080040 Dup																							
1317011075 Orig		0.54		0.3	< 0.5	51	658	< 1	9	8	188	1.53	10	16	59	< 0.5	< 2	0.95	8	8	2.18	< 10	< 1
1317011075 Dup		0.56		0.4	< 0.5	49	653	< 1	8	9	187	1.51	7	18	57	< 0.5	< 2	0.93	8	8	2.17	< 10	< 1
GC22-0018-001 Orig			616																				
GC22-0018-001 Dup			595																				
GC22-0019-001 Orig																							
GC22-0019-001 Dup																							
GC22-0015-018 Orig		0.41																					
GC22-0015-018 Dup		0.38																					
1317001042				1.0	< 0.5	273	420	5	9	3	187	2.13	8	12	46	< 0.5	< 2	2.06	8	9	2.55	< 10	< 1

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Orig																							
1317001042 Dup				1.0	< 0.5	276	416	5	9	3	188	2.11	10	13	46	< 0.5	< 2	2.04	8	9	2.55	< 10	< 1
GC22-0096-020 Orig																							
GC22-0096-020 Dup																							
1317018032 Orig																							
1317018032 Dup																							
1317018008 Orig	9.07																						
1317018008 Dup	9.09																						
1317018090 Orig		0.70																					
1317018090 Dup		0.77																					
1317018133 Orig				0.5	< 0.5	84	504	< 1	9	4	61	1.71	8	13	30	< 0.5	5	1.00	7	5	3.14	< 10	< 1
1317018133 Dup				0.4	< 0.5	86	518	< 1	7	4	62	1.76	6	13	36	< 0.5	4	1.02	7	5	3.20	< 10	< 1
1317018048 Orig			62																				
1317018048 Dup			72																				
GC22-0101-001 Orig			279																				
GC22-0101-001 Dup			264																				
GC22-0101-007 Orig		0.30																					
GC22-0101-007 Dup		0.31																					
GC22-0101-007 Orig		0.34																					
GC22-0101-007 Dup		0.43																					
GC22-0029-012 Orig																							
GC22-0029-012 Dup																							
GC22-0040-002 Orig				2.7	1.5	117	832	< 1	13	3	590	2.97	21	11	35	< 0.5	2	1.51	15	8	3.51	< 10	< 1
GC22-0040-002 Dup				3.0	1.5	120	858	< 1	14	3	603	3.10	22	11	38	< 0.5	< 2	1.55	15	9	3.64	< 10	< 1
GC22-0038-011 Orig		0.64																					
GC22-0038-011 Dup		0.61																					
GC22-0035-009 Orig																							
GC22-0035-009 Dup																							
*GC22-0037-015 Orig		1.32																					

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
*GC22-0037-015 Dup		1.30																					
GC22-0008-013 Orig			35																				
GC22-0008-013 Dup			36																				
GC22-0009-003 Orig				0.9	3.8	28	598	< 1	11	29	1010	2.16	39	14	33	< 0.5	< 2	1.90	8	6	2.29	< 10	< 1
GC22-0009-003 Dup				0.8	3.8	26	597	< 1	11	27	1020	2.09	37	12	32	< 0.5	< 2	1.90	9	6	2.29	< 10	< 1
1317011064 Orig																							
1317011064 Dup																							
1317011050 Orig																							
1317011050 Dup																							
GC22-0012-014 Orig		0.21																					
GC22-0012-014 Dup		0.21																					
1325080010 Orig	9.30		19																				
1325080010 Dup	9.29		19																				
GC22-0013-008 Orig				0.3	0.7	24	106	2	9	6	287	0.92	11	17	37	< 0.5	< 2	0.31	12	6	0.90	< 10	< 1
GC22-0013-008 Dup				0.3	0.7	25	107	2	10	6	297	0.94	12	13	37	< 0.5	< 2	0.31	12	6	0.90	< 10	< 1
1318060038 Orig																							
1318060038 Dup																							
Method Blank			< 5																				
Method Blank			< 5																				
Method Blank			< 5																				
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Method Blank			< 5																				
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	20	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	22	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1

Analyte Symbol	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	pH	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	20	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	17	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	18	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	18	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank				< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	17	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
GXR-6 Meas	0.97	< 10	0.38	0.107	0.034	0.01	3	19	31		< 1	< 2	< 10	165	< 10	4	10						
GXR-6 Cert	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110						
GXR-6 Meas	0.97	< 10	0.38	0.114	0.034	0.01	7	19	33		< 1	< 2	< 10	164	< 10	4	10						
GXR-6 Cert	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110						
GXR-6 Meas	0.95	< 10	0.38	0.115	0.033	0.01	2	19	32		< 1	< 2	< 10	163	< 10	4	10						
GXR-6 Cert	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110						
BaSO4 Meas																			14.4				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.6				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.0				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.1				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.0				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.0				
BaSO4 Cert																			14.0				
BaSO4 Meas																			13.9				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.2				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.1				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.2				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.1				
BaSO4 Cert																			14.0				
BaSO4 Meas																			14.1				
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Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas							19																
OREAS 98 (Aqua Regia) Cert							15																
OREAS 98 (Aqua Regia) Meas							20																
OREAS 98 (Aqua Regia) Cert							15																
OREAS 98 (Aqua Regia) Meas							16																
OREAS 98 (Aqua Regia) Cert							15																
OREAS 98 (Aqua Regia) Meas							17																
OREAS 98 (Aqua Regia) Cert							15																
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
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RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																		1.11	0.56				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.09	0.54				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.11	0.55				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.10	0.55				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.08	0.56				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.08	0.57				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.09	0.53				

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.10	0.55				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.09	0.55				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.09	0.55				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.09	0.55				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.09	0.57				
GS311-4 Cert																		1.11	0.54				
GS311-4 Meas																		1.09	0.56				
GS311-4 Cert																		1.11	0.54				
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	0.04				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
SiO2 Meas																		< 0.01	< 0.01				
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
OREAS 922 (AQUA REGIA) Meas	0.39	34	1.23	0.022	0.064	0.36	3	4	15			< 2	< 10	34	< 10	16	23						
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3						
OREAS 922 (AQUA REGIA) Meas	0.41	36	1.31	0.023	0.066	0.36	2	4	17			< 2	< 10	35	< 10	16	22						
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3						
OREAS 922 (AQUA REGIA) Meas	0.41	37	1.36	0.023	0.067	0.38	3	4	17			< 2	< 10	35	< 10	17	6						
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3						
OREAS 922 (AQUA REGIA) Meas	0.38	34	1.26	0.022	0.062	0.36	3	4	16			< 2	< 10	33	< 10	15	6						
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3						
OREAS 923 (AQUA REGIA) Meas	0.35	32	1.36		0.062	0.65	3	4	14			< 2	< 10	34	< 10	15	31						
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5						
OREAS 923 (AQUA REGIA) Meas	0.35	33	1.40		0.063	0.65	3	4	15			< 2	< 10	34	< 10	15	27						
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5						
OREAS 923 (AQUA REGIA) Meas	0.34	33	1.42		0.062	0.68	3	4	15			< 2	< 10	34	< 10	15	8						
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5						
OREAS 923 (AQUA REGIA) Meas	0.33	32	1.39		0.061	0.66	< 2	4	15			< 2	< 10	33	< 10	14	9						
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5						
Oreas 96 (Aqua Regia) Meas						3.64	5																
Oreas 96 (Aqua Regia) Cert						4.38	4.53																
Oreas 96 (Aqua Regia) Meas						3.65	7																
Oreas 96 (Aqua Regia) Cert						4.38	4.53																
Oreas 96 (Aqua Regia) Meas						3.78	7																
Oreas 96 (Aqua						4.38	4.53																

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
Regia) Cert																							
Oreas 96 (Aqua Regia) Meas						3.83	6																
Oreas 96 (Aqua Regia) Cert						4.38	4.53																
OREAS 45f (Aqua Regia) Meas	0.10	< 10	0.17	0.040	0.022	0.02		26	14	0.13		< 2	< 10	202		4	27						
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0						
OREAS 45f (Aqua Regia) Meas	0.10	< 10	0.18	0.041	0.023	0.02		28	14	0.12		< 2	< 10	214		4	20						
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0						
OREAS 45f (Aqua Regia) Meas	0.09	< 10	0.17	0.041	0.021	0.02		28	14	0.10		< 2	< 10	209		4	16						
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0						
OREAS 45f (Aqua Regia) Meas	0.09	< 10	0.17	0.042	0.022	0.02		28	14	0.12		< 2	< 10	209		4	22						
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0						
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
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OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
GS316-3 Meas																		0.06	0.34				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.06	0.35				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.05	0.34				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.05	0.34				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.05	0.34				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.04	0.35				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.05	0.34				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.05	0.34				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.05	0.33				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.05	0.35				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.04	0.34				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.05	0.36				
GS316-3 Cert																		0.0600	0.340				
GS316-3 Meas																		0.05	0.34				
GS316-3 Cert																		0.0600	0.340				
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
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Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire																							

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																		8.56	15.1				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.66	15.2				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.69	15.0				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.40	14.9				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.39	14.9				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.37	15.1				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.23	14.8				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.41	14.7				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.42	14.8				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.49	14.9				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.30	15.1				
GS317-5 Cert																		8.46	15.5				
GS317-5 Meas																		8.36	15.0				
GS317-5 Cert																		8.46	15.5				
Oreas 620 (Aqua Regia) Meas	0.29	25	0.27	0.123	0.032	2.50	66		20			< 2	< 10	9	< 10	7	63						
Oreas 620 (Aqua Regia) Cert	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57						
Oreas 620 (Aqua Regia) Meas	0.30	26	0.28	0.128	0.033	2.61	68		20			< 2	< 10	9	< 10	7	65						
Oreas 620 (Aqua Regia) Cert	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57						
Oreas 620 (Aqua Regia) Meas	0.29	26	0.28	0.125	0.031	2.61	53		20			< 2	< 10	9	< 10	7	37						
Oreas 620 (Aqua Regia) Cert	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57						

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
Oreas 620 (Aqua Regia) Meas	0.28	25	0.27	0.123	0.031	2.56	58		20			< 2	< 10	9	< 10	7	44						
Oreas 620 (Aqua Regia) Cert	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57						
OREAS L15 Meas																							
OREAS L15 Cert																							
GC22-0130-006 Orig	0.25	28	1.37	0.020	0.070	1.65	< 2	2	94	0.02	< 1	< 2	< 10	20	< 10	3	10						
GC22-0130-006 Dup	0.25	27	1.37	0.020	0.071	1.67	< 2	2	95	0.02	< 1	< 2	< 10	20	< 10	3	13						
1319045144 Orig																							
1319045144 Dup																							
1319045119 Orig																		0.12	2.25				
1319045119 Dup																		0.13	2.30				
GC22-0132-012 Orig																							
GC22-0132-012 Dup																							
1324075183 Orig	0.35	20	1.34	0.073	0.065	0.90	< 2	3	70	0.12	< 1	< 2	< 10	38	< 10	3	9						
1324075183 Dup	0.35	20	1.36	0.071	0.065	0.91	< 2	3	69	0.12	< 1	< 2	< 10	38	< 10	3	6						
1324075187 Orig																							
1324075187 Dup																							
GC22-0083-017 Orig																							
GC22-0083-017 Dup																							
1324075239 Orig	0.27	15	0.60	0.132	0.040	1.33	< 2	< 1	45	< 0.01	< 1	< 2	< 10	7	< 10	2	6						
1324075239 Dup	0.27	15	0.60	0.133	0.039	1.32	< 2	< 1	45	< 0.01	< 1	< 2	< 10	7	< 10	2	7						
GC22-0075-001 Orig																		0.08	3.63				
GC22-0075-001 Dup																		0.08	3.55				
1317017019 Orig																							
1317017019 Dup																							
1317010421 Orig																							
1317010421 Dup																							
1318088077 Orig																		0.11	1.90				
1318088077 Dup																		0.11	1.88				
1318088005 Orig																							

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
1318088005 Dup																							
1317010466 Orig	0.14	15	0.97	0.170	0.046	2.54	< 2	1	87	0.03	< 1	< 2	< 10	18	< 10	3	18			Slight			
1317010466 Dup	0.13	15	0.96	0.165	0.044	2.55	< 2	1	86	0.04	1	< 2	< 10	18	< 10	3	16			Slight			
1317009029 Orig																							
1317009029 Dup																							
1317009124 Orig																		0.12	0.68				
1317009124 Dup																		0.12	0.72				
1317002245 Orig																							
1317002245 Dup																							
1325080300 Orig																		0.25	0.22				
1325080300 Dup																		0.25	0.22				
1325080234 Orig	0.23	20	1.23	0.049	0.057	0.53	< 2	1	66	0.05	< 1	< 2	< 10	18	< 10	2	7						
1325080234 Dup	0.23	21	1.24	0.050	0.058	0.51	< 2	1	68	0.05	< 1	< 2	< 10	18	< 10	2	7						
GC22-0004-018 Orig																							
GC22-0004-018 Dup																							
1325081178 Orig																		1.06	0.58				
1325081178 Dup																		1.06	0.59				
1325081112 Orig	0.30	< 10	0.95	0.109	0.069	0.17	3	18	35	0.14	< 1	< 2	< 10	188	< 10	12	2						
1325081112 Dup	0.30	< 10	0.96	0.113	0.070	0.17	5	19	37	0.15	< 1	< 2	< 10	193	< 10	12	3						
GC22-0086-005 Orig																							
GC22-0086-005 Dup																							
GC22-0089-005 Orig																		0.37	3.00				
GC22-0089-005 Dup																		0.37	3.00				
1317017082 Orig																					-28.6	19.0	0.399
1317017082 Dup																					-28.4	19.2	0.403
1317017009 Orig	0.15	13	0.89	0.236	0.043	1.66	< 2	1	167	0.02	< 1	< 2	< 10	12	< 10	2	16						
1317017009 Dup	0.15	13	0.91	0.241	0.042	1.69	< 2	1	170	0.02	< 1	< 2	< 10	13	< 10	2	11						
131701798 Orig																							
131701798 Dup																							

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
GC22-0095-018 Orig																				None	-61.4	7.22	0.105
GC22-0095-018 Dup																				None	-61.4	7.24	0.105
GC22-0093-003 Orig																		0.08	2.41				
GC22-0093-003 Dup																		0.08	2.39				
1317011190 Orig																							
1317011190 Dup																							
1317011225 Orig																							
1317011225 Dup																							
1317001039 Orig	0.16	13	0.80	0.172	0.042	2.01	< 2	1	116	0.03	< 1	< 2	< 10	13	< 10	3	16						
1317001039 Dup	0.16	13	0.81	0.169	0.042	2.02	< 2	1	113	0.03	< 1	< 2	< 10	13	< 10	3	16						
GC22-0022-003 Orig																							
GC22-0022-003 Dup																							
1317011251 Orig																		0.13	1.66				
1317011251 Dup																		0.13	1.74				
1317011232 Orig																							
1317011232 Dup																							
1317001084 Orig																							
1317001084 Dup																							
1325080040 Orig																		0.26	0.22				
1325080040 Dup																		0.26	0.23				
1317011075 Orig	0.35	13	1.03	0.076	0.041	1.34	< 2	2	34	0.05	< 1	< 2	< 10	19	< 10	2	21						
1317011075 Dup	0.34	13	1.02	0.074	0.040	1.33	2	2	33	0.05	< 1	< 2	< 10	19	< 10	2	21						
GC22-0018-001 Orig																							
GC22-0018-001 Dup																							
GC22-0019-001 Orig																		0.05	1.95				
GC22-0019-001 Dup																		0.04	1.91				
GC22-0015-018 Orig																							
GC22-0015-018 Dup																							
1317001042	0.16	13	0.72	0.268	0.041	1.93	< 2	1	136	0.01	< 1	< 2	< 10	15	< 10	2	16						

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
Orig																							
1317001042 Dup	0.16	13	0.71	0.265	0.041	1.94	2	1	135	0.01	2	< 2	< 10	15	< 10	2	16						
GC22-0096-020 Orig																				Slight	-52.1	18.2	0.259
GC22-0096-020 Dup																				Slight	-52.4	18.0	0.256
1317018032 Orig																		0.13	2.00				
1317018032 Dup																		0.12	1.90				
1317018008 Orig																							
1317018008 Dup																							
1317018090 Orig																							
1317018090 Dup																							
1317018133 Orig	0.21	12	0.94	0.073	0.041	2.84	< 2	< 1	42	0.02	< 1	< 2	< 10	7	< 10	2	26						
1317018133 Dup	0.22	13	0.97	0.075	0.041	2.86	< 2	< 1	44	0.02	< 1	< 2	< 10	7	< 10	2	27						
1317018048 Orig																							
1317018048 Dup																							
GC22-0101-001 Orig																		0.12	1.49				
GC22-0101-001 Dup																		0.12	1.48				
GC22-0101-007 Orig																		0.09	0.94				
GC22-0101-007 Dup																		0.10	0.91				
GC22-0101-007 Orig																							
GC22-0101-007 Dup																							
GC22-0029-012 Orig																		0.08	0.86				
GC22-0029-012 Dup																		0.09	0.80				
GC22-0040-002 Orig	0.16	14	1.22	0.204	0.050	2.25	2	1	80	0.01	2	< 2	< 10	19	< 10	3	15						
GC22-0040-002 Dup	0.17	14	1.26	0.214	0.053	2.30	< 2	1	84	0.01	3	< 2	< 10	20	< 10	3	15						
GC22-0038-011 Orig																							
GC22-0038-011 Dup																							
GC22-0035-009 Orig																		0.13	2.06				
GC22-0035-009 Dup																		0.13	2.08				
*GC22-0037-015 Orig																							

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
*GC22-0037-015 Dup																							
GC22-0008-013 Orig																							
GC22-0008-013 Dup																							
GC22-0009-003 Orig	0.21	14	0.72	0.150	0.045	2.25	< 2	< 1	56	0.04	< 1	< 2	< 10	7	< 10	2	21						
GC22-0009-003 Dup	0.21	14	0.72	0.147	0.045	2.25	2	< 1	56	0.04	< 1	< 2	< 10	7	< 10	2	20						
1317011064 Orig																		0.12	1.28				
1317011064 Dup																		0.12	1.32				
1317011050 Orig																				Slight	-25.0	14.4	0.366
1317011050 Dup																				Slight	-24.9	14.5	0.367
GC22-0012-014 Orig																							
GC22-0012-014 Dup																							
1325080010 Orig																							
1325080010 Dup																							
GC22-0013-008 Orig	0.16	15	0.10	0.084	0.038	0.76	< 2	< 1	77	< 0.01	< 1	< 2	< 10	4	< 10	2	16	0.04	0.73				
GC22-0013-008 Dup	0.16	15	0.10	0.083	0.038	0.75	< 2	< 1	77	< 0.01	< 1	< 2	< 10	4	< 10	2	16	0.04	0.73				
1318060038 Orig																				None	-5.24	15.0	0.741
1318060038 Dup																				None	-5.31	14.9	0.738
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
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Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1						
Method Blank	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1						

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	NNP	Modified-NP	NPR
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	-	kg CaCO3/t	Ratio
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01				
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	Calc	TITR	Calc
Method Blank	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1						
Method Blank	< 0.01	< 10	< 0.01	0.003	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1						
Method Blank	< 0.01	< 10	< 0.01	0.003	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1						
Method Blank	< 0.01	< 10	< 0.01	0.003	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1						
Method Blank	< 0.01	< 10	< 0.01	0.003	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1						

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
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BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
BaSO4 Cert	
OREAS 98 (Aqua Regia) Meas	
OREAS 98 (Aqua Regia) Cert	
OREAS 98 (Aqua Regia) Meas	
OREAS 98 (Aqua Regia) Cert	
OREAS 98 (Aqua Regia) Meas	
OREAS 98 (Aqua Regia) Cert	
OREAS 98 (Aqua Regia) Meas	
OREAS 98 (Aqua Regia) Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	
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SiO2 Meas	
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
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OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
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GS316-3 Meas	
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GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
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Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
GS317-5 Meas	
GS317-5 Cert	
GS317-5 Meas	
GS317-5 Cert	
GS317-5 Meas	
GS317-5 Cert	
GS317-5 Meas	
GS317-5 Cert	
GS317-5 Meas	
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GS317-5 Cert	
GS317-5 Meas	
GS317-5 Cert	
GS317-5 Meas	
GS317-5 Cert	
GS317-5 Meas	
GS317-5 Cert	
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	
OREAS L15 Meas	
OREAS L15 Cert	
GC22-0130-006 Orig	
GC22-0130-006 Dup	
1319045144 Orig	
1319045144 Dup	
1319045119 Orig	
1319045119 Dup	
GC22-0132-012 Orig	
GC22-0132-012 Dup	
1324075183 Orig	
1324075183 Dup	
1324075187 Orig	
1324075187 Dup	
GC22-0083-017 Orig	
GC22-0083-017 Dup	
1324075239 Orig	
1324075239 Dup	
GC22-0075-001 Orig	
GC22-0075-001 Dup	
1317017019 Orig	
1317017019 Dup	
1317010421 Orig	
1317010421 Dup	
1318088077 Orig	
1318088077 Dup	
1318088005 Orig	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
1318088005 Dup	
1317010466 Orig	
1317010466 Dup	
1317009029 Orig	
1317009029 Dup	
1317009124 Orig	
1317009124 Dup	
1317002245 Orig	
1317002245 Dup	
1325080300 Orig	
1325080300 Dup	
1325080234 Orig	
1325080234 Dup	
GC22-0004-018 Orig	
GC22-0004-018 Dup	
1325081178 Orig	
1325081178 Dup	
1325081112 Orig	
1325081112 Dup	
GC22-0086-005 Orig	
GC22-0086-005 Dup	
GC22-0089-005 Orig	
GC22-0089-005 Dup	
1317017082 Orig	47.60
1317017082 Dup	47.60
1317017009 Orig	
1317017009 Dup	
131701798 Orig	
131701798 Dup	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
GC22-0095-018 Orig	68.66
GC22-0095-018 Dup	68.66
GC22-0093-003 Orig	
GC22-0093-003 Dup	
1317011190 Orig	
1317011190 Dup	
1317011225 Orig	
1317011225 Dup	
1317001039 Orig	
1317001039 Dup	
GC22-0022-003 Orig	
GC22-0022-003 Dup	
1317011251 Orig	
1317011251 Dup	
1317011232 Orig	
1317011232 Dup	
1317001084 Orig	
1317001084 Dup	
1325080040 Orig	
1325080040 Dup	
1317011075 Orig	
1317011075 Dup	
GC22-0018-001 Orig	
GC22-0018-001 Dup	
GC22-0019-001 Orig	
GC22-0019-001 Dup	
GC22-0015-018 Orig	
GC22-0015-018 Dup	
1317001042	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
Orig	
1317001042 Dup	
GC22-0096-020 Orig	70.37
GC22-0096-020 Dup	70.37
1317018032 Orig	
1317018032 Dup	
1317018008 Orig	
1317018008 Dup	
1317018090 Orig	
1317018090 Dup	
1317018133 Orig	
1317018133 Dup	
1317018048 Orig	
1317018048 Dup	
GC22-0101-001 Orig	
GC22-0101-001 Dup	
GC22-0101-007 Orig	
GC22-0101-007 Dup	
GC22-0101-007 Orig	
GC22-0101-007 Dup	
GC22-0029-012 Orig	
GC22-0029-012 Dup	
GC22-0040-002 Orig	
GC22-0040-002 Dup	
GC22-0038-011 Orig	
GC22-0038-011 Dup	
GC22-0035-009 Orig	
GC22-0035-009 Dup	
*GC22-0037-015 Orig	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
*GC22-0037-015 Dup	
GC22-0008-013 Orig	
GC22-0008-013 Dup	
GC22-0009-003 Orig	
GC22-0009-003 Dup	
1317011064 Orig	
1317011064 Dup	
1317011050 Orig	39.40
1317011050 Dup	39.40
GC22-0012-014 Orig	
GC22-0012-014 Dup	
1325080010 Orig	
1325080010 Dup	
GC22-0013-008 Orig	
GC22-0013-008 Dup	
1318060038 Orig	20.24
1318060038 Dup	20.24
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Analyte Symbol	AP (Sulphide)
Unit Symbol	kg CaCO3/t
Lower Limit	0.01
Method Code	Calc
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-07064**
Report Date: **10-Aug-22**
Date Submitted: **25-May-22**
Your Reference: **2022 FEB,MARCH,APRIL CHECK ASSAYS**

New Gold Inc.
317 Heatwole
Barwick Ontario
Canada

ATTN: Lisa McGlinchey

CERTIFICATE OF ANALYSIS

148 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2022-06-27 21:34:25
4F-C, S	Infrared	2022-06-16 21:23:03

REPORT **A22-07064**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Report No.: **A22-07064**
Report Date: **10-Aug-22**
Date Submitted: **25-May-22**
Your Reference: **2022 FEB,MARCH,APRIL CHECK ASSAYS**

New Gold Inc.
317 Heatwole
Barwick Ontario
Canada

ATTN: Lisa McGlinchey

CERTIFICATE OF ANALYSIS

148 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-06-21 12:49:17
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-06-10 18:58:14

REPORT **A22-07064**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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Analyte Symbol	Au	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	ppb	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	FA-AA	Calc	Calc	TITR	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1318077072	329	0.233	-30.3	9.21	39.47	0.47	0.8	1.3	43	707	< 1	10	125	375	1.54	64	< 10	27	< 0.5	< 2	0.48	9	7
1318077095	692	0.274	-28.4	10.7	39.15	0.83	1.0	11.3	51	887	< 1	11	40	2540	1.67	89	< 10	23	< 0.5	< 2	0.50	8	7
1324080172	7	19.9	55.0	57.9	2.91	0.47	< 0.2	< 0.5	40	685	< 1	21	7	129	1.83	5	< 10	80	< 0.5	< 2	2.55	13	26
1318077087	1140	-0.129	-45.7	-5.24	40.48	0.49	0.6	< 0.5	68	784	< 1	13	11	141	2.04	70	< 10	27	< 0.5	5	0.31	9	9
1318077127	150	1.75	37.3	87.1	49.77	0.46	0.6	1.6	37	478	< 1	10	8	404	1.14	74	< 10	27	< 0.5	< 2	0.75	9	6
1324080238	25	9.43	66.6	74.5	7.91	0.74	< 0.2	0.7	28	1110	< 1	17	3	256	1.75	11	< 10	54	< 0.5	< 2	2.75	8	12
1317016064	162	0.521	-14.5	15.7	30.20	0.46	0.6	< 0.5	225	416	< 1	7	< 2	48	3.14	12	< 10	22	< 0.5	< 2	1.51	9	7
1318077139	333	0.763	-15.0	48.5	63.53	0.65	1.4	< 0.5	77	674	< 1	16	23	152	1.12	110	< 10	11	< 0.5	< 2	1.97	12	26
1318077110	619	0.282	-53.5	21.0	74.46	1.25	4.4	21.4	320	510	< 1	9	16	5140	1.29	73	< 10	14	< 0.5	< 2	1.02	8	12
1318077164	122	1.21	10.2	59.1	48.95	0.63	1.1	3.9	36	847	1	11	50	901	0.76	112	< 10	26	< 0.5	< 2	2.46	9	5
1324080012	10	95.2	58.4	59.0	0.62	0.36	0.3	< 0.5	86	559	< 1	98	< 2	53	2.11	4	< 10	38	< 0.5	< 2	3.22	28	165
1318077116	669	0.253	-25.1	8.50	33.64	0.43	1.6	3.2	70	603	< 1	17	11	760	1.69	50	< 10	32	< 0.5	< 2	0.45	10	9
1324080130	10	25.2	22.5	23.5	0.93	0.54	< 0.2	< 0.5	23	622	< 1	5	19	142	2.92	3	< 10	24	< 0.5	< 2	2.22	26	3
1324080206	8	7.27	18.2	21.1	2.91	0.41	0.2	< 0.5	67	496	< 1	23	< 2	83	2.87	3	< 10	90	< 0.5	< 2	2.11	36	9
1324080254	11	11.5	32.6	35.7	3.12	0.57	0.2	< 0.5	77	617	< 1	16	< 2	117	2.80	4	< 10	40	< 0.5	< 2	2.37	36	10
1324080192	8	22.7	36.0	37.6	1.66	0.41	< 0.2	< 0.5	72	576	< 1	33	2	84	2.76	3	< 10	59	< 0.5	< 2	2.51	31	22
F009381	1000																						
F010367	1010																						
1317020043	54	0.482	-12.6	11.7	24.29	0.27	< 0.2	< 0.5	41	429	< 1	6	3	115	3.37	5	< 10	50	< 0.5	< 2	1.57	8	7
1317019036	370	0.171	-73.7	15.2	88.95	0.67	1.7	< 0.5	352	304	2	7	6	43	1.31	33	< 10	23	< 0.5	7	0.84	8	5
1317020148	68	0.189	-49.2	11.5	60.62	0.46	0.5	< 0.5	74	424	4	10	15	75	3.39	9	< 10	33	< 0.5	< 2	1.65	9	8
1317020102	48	0.178	-57.6	12.5	70.10	0.50	0.3	< 0.5	22	360	< 1	9	9	108	2.74	12	< 10	29	< 0.5	< 2	1.56	8	7
1317020126	418	0.236	-28.3	8.75	37.07	0.61	0.5	< 0.5	214	435	< 1	8	3	51	3.43	8	< 10	47	< 0.5	2	1.35	8	6
1317020156	< 5	9.39	10.5	11.7	1.25	0.15	< 0.2	< 0.5	108	411	< 1	38	< 2	38	5.15	< 2	< 10	< 10	< 0.5	< 2	3.66	20	43
1317020004	22	0.767	-4.60	15.2	19.79	0.23	< 0.2	< 0.5	44	597	< 1	9	< 2	200	3.65	7	< 10	35	< 0.5	< 2	2.46	8	9
1317020117	123	0.375	-21.2	12.7	33.95	0.37	< 0.2	< 0.5	119	455	< 1	8	< 2	90	3.01	7	< 10	41	< 0.5	< 2	1.55	8	6
1317020119	53	0.510	-13.6	14.2	27.84	0.27	< 0.2	< 0.5	62	445	< 1	9	2	69	3.27	7	< 10	39	< 0.5	< 2	1.46	8	7
1317020063	24	0.691	-7.34	16.4	23.78	0.29	< 0.2	< 0.5	50	509	< 1	11	4	183	3.32	6	< 10	36	< 0.5	< 2	2.26	9	11
1317019113	652	0.701	-10.4	24.4	34.89	0.57	0.7	< 0.5	83	691	< 1	9	5	78	2.51	16	< 10	47	< 0.5	< 2	1.74	9	10
1317019086	48	0.465	-26.7	23.2	49.88	0.73	0.2	< 0.5	120	545	1	32	< 2	51	3.07	4	< 10	35	< 0.5	< 2	2.05	18	76
1317020091	162	0.191	-43.5	10.2	53.72	0.32	0.2	< 0.5	33	282	< 1	9	3	44	2.71	9	< 10	32	< 0.5	< 2	1.46	7	7
1317020016	13	0.918	-1.36	15.2	16.56	0.23	< 0.2	0.6	33	559	< 1	7	3	447	3.27	7	< 10	36	< 0.5	< 2	1.48	8	6
1317019032	1970	0.206	-50.0	13.0	62.93	0.44	0.9	< 0.5	51	451	2	10	5	45	2.40	27	< 10	30	< 0.5	8	1.81	10	6
F009373	1190																						
F010369	1220																						
GC22-0186-012	511	0.350	-23.6	12.7	36.30	0.37	2.8	< 0.5	339	494	< 1	13	< 2	66	2.76	7	< 10	32	< 0.5	8	1.24	7	10
1323061167	9	4.46	29.8	38.4	8.61	0.25	< 0.2	< 0.5	52	553	< 1	103	166	191	1.73	4	< 10	53	< 0.5	< 2	1.95	19	230
GC22-0187-001	213	0.450	-18.8	15.4	34.29	0.47	0.6	1.6	36	403	< 1	8	< 2	493	1.70	46	< 10	47	< 0.5	< 2	0.98	6	9
1323061072	14	5.79	29.3	35.4	6.12	0.40	0.2	< 0.5	12	766	< 1	9	4	155	1.74	5	< 10	64	< 0.5	< 2	1.83	8	11
GC22-0182-001	263	0.0486	-127	6.49	133.52	0.89	0.6	< 0.5	11	539	< 1	11	6	74	1.74	14	< 10	< 10	< 0.5	12	0.20	8	6
1323061045	5	3.34	35.2	50.2	15.02	0.36	< 0.2	< 0.5	6	557	< 1	19	< 2	93	1.91	3	< 10	76	< 0.5	< 2	2.40	13	12
GC22-0185-002	10	1.84	10.0	21.9	11.89	0.31	< 0.2	< 0.5	27	604	< 1	9	< 2	94	1.55	4	< 10	59	< 0.5	< 2	0.82	7	12
GC22-0185-009	111	0.511	-17.4	18.2	35.60	0.50	0.5	0.6	64	554	< 1	9	< 2	249	2.16	17	< 10	46	< 0.5	< 2	1.45	7	10
1323061031	9	15.0	37.3	39.9	2.66	0.29	< 0.2	< 0.5	13	493	2	7	3	85	1.22	4	< 10	36	< 0.5	< 2	1.77	7	11
1323061030	< 5	85.8	43.1	43.6	0.51	0.29	< 0.2	< 0.5	11	277	2	3	12	56	1.05	< 2	< 10	34	< 0.5	< 2	1.82	6	7
GC22-0187-018	< 5	499	96.3	96.5	0.19	0.10	< 0.2	< 0.5	23	858	< 1	69	4	73	2.99	3	< 10	640	< 0.5	< 2	3.85	26	139
1323061128	27	1.44	15.0	49.2	34.26	0.49	< 0.2	< 0.5	53	731	< 1	71	3	193	1.64	5	< 10	44	< 0.5	< 2	2.39	20	141
GC22-0186-001	62	7.22	35.0	40.6	5.62	0.30	0.3	< 0.5	33	650	< 1	7	< 2	83	1.97	5	< 10	77	< 0.5	< 2	0.95	6	10
GC22-0192-001	102	-0.0304	-135	-4.00	131.34	0.98	0.3	< 0.5	17	522	< 1	8	2	61	1.71	4	< 10	< 10	< 0.5	8	0.56	8	5

Analyte Symbol	Au	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	ppb	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	FA-AA	Calc	Calc	TITR	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0191-015	79	0.0791	-81.5	7.00	88.53	0.71	0.8	< 0.5	8	286	< 1	9	5	52	1.55	28	< 10	22	< 0.5	8	0.42	7	5
GC22-0188-001	43	0.778	-5.41	19.0	24.39	0.38	0.9	< 0.5	126	783	< 1	10	< 2	113	1.90	< 2	< 10	68	< 0.5	< 2	0.91	6	14
GC22-0189-020	180	0.369	-31.2	18.2	49.36	0.53	0.7	< 0.5	160	471	2	11	4	75	2.22	11	< 10	41	< 0.5	< 2	1.60	8	10
F009573	1000																						
F009581	992																						
1324078295	12	3.23	18.6	27.0	8.36	0.25	0.3	< 0.5	15	553	2	14	3	182	2.47	6	< 10	39	< 0.5	< 2	2.14	8	13
1432007085	34	1.84	34.7	76.0	41.32	0.49	0.3	< 0.5	71	338	3	12	< 2	24	0.89	5	< 10	31	< 0.5	< 2	2.12	7	7
1324078226	< 5	7.41	43.4	50.2	6.77	0.31	< 0.2	< 0.5	10	841	< 1	60	< 2	114	2.61	< 2	11	28	0.5	< 2	2.91	12	130
1324078222	6	2.46	15.2	25.6	10.41	0.31	0.3	0.7	15	674	< 1	11	12	284	1.70	4	< 10	43	< 0.5	< 2	1.75	8	12
GC22-0202-018	59	0.218	-36.8	10.2	47.07	0.40	0.4	< 0.5	14	397	< 1	11	4	54	2.45	9	< 10	39	< 0.5	2	1.17	7	8
1432007018	24	3.74	46.8	63.9	17.06	0.44	< 0.2	< 0.5	22	381	< 1	7	< 2	26	0.98	5	< 10	33	< 0.5	< 2	2.55	9	7
1324078056	7	27.7	40.9	42.4	1.53	0.38	< 0.2	< 0.5	71	532	< 1	71	< 2	57	2.18	8	< 10	36	< 0.5	< 2	2.62	28	107
GC22-0209-005	1070	0.0854	-72.2	6.74	78.89	0.77	1.5	< 0.5	425	367	< 1	9	3	48	2.69	18	< 10	26	< 0.5	13	1.08	7	6
GC22-0205-002	39	0.178	-48.3	10.5	58.77	0.53	< 0.2	< 0.5	82	445	< 1	8	< 2	107	2.98	8	< 10	32	< 0.5	< 2	1.39	8	6
1432007021	36	1.74	31.0	73.2	42.18	0.53	0.2	< 0.5	42	419	3	8	< 2	27	1.02	5	< 10	34	< 0.5	< 2	2.33	6	5
GC22-0208-001	192	0.101	-75.2	8.47	83.66	0.84	0.7	< 0.5	6	406	< 1	8	4	64	1.84	26	< 10	24	< 0.5	8	0.67	8	5
1324078174	5	3.66	15.4	21.2	5.79	0.27	< 0.2	< 0.5	14	601	2	11	4	159	2.18	5	< 10	61	< 0.5	< 2	1.60	7	11
GC22-0211-001	644	0.0969	-71.9	7.72	79.66	0.44	0.5	< 0.5	12	356	< 1	8	5	59	1.56	26	< 10	27	< 0.5	4	0.49	7	5
GC22-0205-007	464	0.193	-53.2	12.7	65.92	0.63	0.7	< 0.5	224	429	< 1	8	3	55	2.11	14	< 10	35	< 0.5	8	1.02	7	6
GC22-0211-020	798	0.0867	-52.5	4.98	57.44	0.70	1.6	< 0.5	345	355	< 1	7	< 2	50	1.65	16	< 10	32	< 0.5	6	0.20	10	5
1432007160	23	2.87	35.7	54.7	19.06	0.55	< 0.2	< 0.5	59	280	3	13	< 2	26	1.16	2	< 10	28	< 0.5	< 2	2.32	10	11
1432007123	29	2.36	28.2	48.9	20.73	0.34	< 0.2	< 0.5	34	332	< 1	12	< 2	29	1.42	3	< 10	37	< 0.5	< 2	2.12	8	7
1432007130	41	1.34	10.2	40.2	30.06	0.62	0.2	< 0.5	68	318	6	9	< 2	23	0.96	2	< 10	24	< 0.5	< 2	1.64	7	7
F009630	329																						
F009604	325																						
GC22-0230-013	1060	0.182	-58.5	13.0	71.44	0.62	0.9	2.5	107	971	< 1	13	2	765	2.84	17	< 10	30	< 0.5	10	1.17	11	11
GC22-0235-014	181	0.260	-46.1	16.2	62.28	0.58	0.6	< 0.5	44	629	< 1	4	2	144	1.79	15	< 10	29	< 0.5	< 2	0.94	6	5
GC22-0229-005	53	0.173	-56.8	11.8	68.62	0.57	< 0.2	< 0.5	56	350	< 1	9	< 2	66	2.14	9	< 10	25	< 0.5	< 2	1.19	8	6
1324077140	60	2.37	32.8	56.8	23.99	1.34	2.2	17.6	526	1150	< 1	69	4	3760	2.85	20	< 10	62	< 0.5	< 2	2.95	13	76
GC22-0223-012	162	0.408	-25.4	17.5	42.80	0.47	0.2	0.6	49	816	< 1	13	3	246	3.07	19	< 10	36	< 0.5	< 2	1.57	9	8
GC22-0217-020	350	0.0521	-257	14.1	270.85	2.25	1.1	< 0.5	42	1780	1	52	11	203	3.63	97	< 10	< 10	< 0.5	6	0.83	44	46
1432007240	44	2.33	25.9	45.4	19.53	0.33	< 0.2	< 0.5	56	338	< 1	12	< 2	42	1.21	5	< 10	35	< 0.5	< 2	1.99	8	13
GC22-0224-012	73	0.282	-48.3	19.0	67.33	0.59	0.3	< 0.5	33	430	< 1	11	3	218	1.50	20	< 10	27	< 0.5	3	1.03	10	8
GC22-0223-001	47	0.282	-37.7	14.8	52.57	0.48	< 0.2	< 0.5	83	400	2	8	< 2	74	1.58	13	< 10	30	< 0.5	< 2	0.57	7	6
1316012048	206	0.238	-33.6	10.5	44.08	0.45	1.3	< 0.5	195	434	1	10	< 2	69	1.74	9	< 10	33	< 0.5	4	0.81	7	7
GC22-0230-017	338	0.201	-50.1	12.6	62.66	0.69	0.8	2.7	44	803	< 1	14	4	1550	2.01	18	< 10	33	< 0.5	8	0.70	13	9
GC22-0226-014	143	0.295	-29.8	12.5	42.32	0.51	< 0.2	< 0.5	21	676	< 1	8	2	77	2.55	18	< 10	31	< 0.5	3	1.09	7	6
1432007140	30	1.65	19.4	49.4	30.01	0.43	0.2	< 0.5	58	337	2	8	< 2	26	0.83	4	< 10	33	< 0.5	< 2	2.13	9	8
GC22-0233-008	329	0.179	-49.8	10.8	60.62	0.55	0.9	< 0.5	55	795	< 1	7	< 2	152	1.71	26	< 10	24	< 0.5	3	0.56	8	7
GC22-0227-011	568	0.394	-24.5	15.9	40.47	0.42	0.4	0.9	79	734	< 1	9	< 2	348	2.86	19	< 10	33	< 0.5	2	1.35	9	8
GC22-0221-015	146	0.325	-28.0	13.5	41.46	0.50	0.3	< 0.5	57	663	< 1	8	< 2	97	3.02	18	< 10	41	< 0.5	< 2	1.52	7	6
GC22-0221-020	330	0.500	-28.0	28.0	56.03	0.86	0.6	< 0.5	103	901	< 1	10	6	561	1.78	19	< 10	26	< 0.5	< 2	1.46	8	9
F009754	1020																						
F009759	1030																						
1324077064	15	2.82	24.0	37.2	13.20	0.32	< 0.2	< 0.5	23	718	< 1	12	3	171	2.37	4	< 10	47	< 0.5	< 2	2.48	8	16
GC22-0231-015	1040	0.138	-45.9	7.37	53.28	0.48	0.6	< 0.5	175	733	< 1	8	< 2	87	1.99	12	< 10	31	< 0.5	3	0.40	8	8
1316012277	62	0.235	-59.0	18.1	77.11	0.66	0.3	< 0.5	95	577	< 1	8	3	108	3.10	10	< 10	30	< 0.5	< 2	1.91	9	6
GC22-0237-018	203	0.525	-32.6	36.0	68.53	0.68	2.9	< 0.5	17	1110	< 1	22	49	124	1.77	105	< 10	28	< 0.5	< 2	1.81	13	9
GC22-0238-015	1350	1.54	27.5	78.1	50.69	0.67	5.3	< 0.5	56	1850	< 1	16	107	260	1.94	51	< 10	36	< 0.5	< 2	3.16	9	8
GC22-0237-001	3480	0.107	-69.5	8.34	77.83	0.93	4.3	< 0.5	422	1280	4	68	112	151	2.34	169	< 10	23	< 0.5	6	0.21	8	9

Analyte Symbol	Au	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	ppb	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	FA-AA	Calc	Calc	TITR	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1324077026	44	17.2	85.6	90.9	5.29	1.35	0.6	< 0.5	103	1670	< 1	52	3	221	4.50	3	< 10	82	< 0.5	< 2	4.10	35	59
1324077044	26	2.86	36.8	56.6	19.79	0.37	< 0.2	< 0.5	15	1250	< 1	18	3	103	2.96	20	< 10	52	< 0.5	< 2	3.16	9	17
1316012298	40	0.131	-66.5	9.99	76.45	0.63	0.3	< 0.5	29	423	1	7	3	70	2.07	7	< 10	25	< 0.5	4	0.86	10	8
GC22-0239-011	433	0.767	-15.7	51.5	67.13	0.78	2.0	5.9	18	1370	< 1	15	91	1470	1.58	153	< 10	29	< 0.5	< 2	2.27	8	7
1316012270	105	0.248	-42.8	14.1	56.89	0.61	0.2	< 0.5	60	443	< 1	22	2	45	3.34	10	< 10	26	< 0.5	2	2.00	15	17
GC22-0232-011	2820	0.164	-60.6	11.8	72.42	0.62	0.9	< 0.5	15	863	< 1	8	< 2	110	2.02	20	< 10	27	< 0.5	7	0.71	8	7
GC22-0234-001	98	0.0937	-78.4	8.10	86.45	0.65	0.4	< 0.5	31	350	2	11	5	72	2.04	4	< 10	12	< 0.5	4	0.95	9	6
GC22-0234-018	162	0.173	-47.1	9.85	56.93	0.46	0.5	< 0.5	51	614	< 1	8	< 2	165	2.01	15	< 10	32	< 0.5	2	0.81	8	7
1324077098	8	5.95	43.2	51.9	8.72	0.42	< 0.2	4.7	21	626	< 1	21	< 2	1200	1.40	4	< 10	48	< 0.5	< 2	2.16	9	21
1324077002	41	2.16	25.6	47.6	22.03	0.41	< 0.2	3.2	19	842	< 1	16	< 2	800	2.03	25	< 10	41	< 0.5	< 2	2.50	8	13
GC22-0236-001	10	2.52	4.59	7.61	3.02	0.17	< 0.2	< 0.5	102	543	< 1	46	< 2	51	4.52	< 2	< 10	< 10	< 0.5	< 2	3.17	26	56
1316012172	76	0.0844	-90.5	8.35	98.89	0.62	0.4	< 0.5	67	523	< 1	10	2	63	3.27	5	< 10	26	< 0.5	8	1.67	8	6
1316012206	493	0.0874	-91.1	8.72	99.84	0.59	0.2	< 0.5	22	453	< 1	10	< 2	69	2.04	4	< 10	19	< 0.5	6	0.92	9	6
1316005108	367	0.300	-56.2	24.1	80.32	0.72	0.9	< 0.5	203	621	< 1	26	3	84	2.19	25	< 10	25	< 0.5	4	1.43	23	17
1316005142	270	0.141	-57.9	9.48	67.36	0.49	0.4	< 0.5	113	323	3	11	< 2	42	3.17	8	< 10	27	< 0.5	5	1.52	9	7
F009622	526																						
F009636	526																						
GC22-0190-008	3060	0.0431	-207	9.33	216.32	1.11	2.4	< 0.5	11	274	1	10	6	38	1.26	32	< 10	< 10	< 0.5	67	0.46	7	6
1323061186	61	1.90	16.8	35.6	18.77	0.38	0.4	< 0.5	79	542	< 1	12	9	269	1.68	4	< 10	56	< 0.5	< 2	2.17	14	10
GC22-0191-017	269	0.108	-63.9	7.75	71.67	0.62	0.7	< 0.5	120	373	3	8	3	70	2.03	12	< 10	29	< 0.5	3	0.90	8	7
GC22-0193-004	46	0.237	-51.7	16.1	67.79	0.49	0.4	< 0.5	78	362	3	9	4	41	2.07	9	< 10	29	< 0.5	2	1.34	8	9
1324078084	17	2.20	14.5	26.5	12.01	0.23	0.3	< 0.5	21	742	< 1	12	2	191	1.69	3	< 10	68	< 0.5	< 2	1.57	8	13
GC22-0194-021	94	0.441	-15.5	12.2	27.71	0.39	< 0.2	0.6	33	377	3	5	< 2	576	3.47	4	< 10	52	< 0.5	3	1.73	7	7
GC22-0193-013	58	0.258	-39.3	13.7	52.98	0.48	0.7	< 0.5	91	476	< 1	9	2	69	1.90	28	< 10	36	< 0.5	< 2	1.19	8	9
1432007037	17	2.55	36.5	60.0	23.51	0.39	< 0.2	< 0.5	16	382	< 1	13	< 2	31	1.44	3	< 10	39	< 0.5	< 2	2.53	13	10
GC22-0196-015	108	0.116	-89.6	11.7	101.34	0.89	0.5	< 0.5	16	455	< 1	9	3	62	1.97	29	< 10	18	< 0.5	7	0.59	9	6
GC22-0197-001	47	0.111	-83.9	10.5	94.37	0.69	0.4	< 0.5	3	372	< 1	8	3	52	1.37	13	< 10	24	< 0.5	7	0.50	7	5
GC22-0197-018	89	0.305	-36.5	16.1	52.55	0.60	0.5	< 0.5	32	447	< 1	14	3	64	2.34	12	< 10	37	< 0.5	7	1.19	10	10
GC22-0201-017	25	0.277	-41.6	15.9	57.53	0.75	0.4	< 0.5	10	424	1	10	2	53	1.96	18	< 10	27	< 0.5	3	1.52	7	12
GC22-0198-017	190	0.613	-11.5	18.2	29.63	0.54	< 0.2	< 0.5	16	525	< 1	4	3	70	2.60	17	< 10	41	< 0.5	2	1.62	6	4
GC22-0200-015	201	0.0531	-75.4	4.23	79.64	0.70	0.7	< 0.5	9	412	1	8	5	54	1.91	26	< 10	27	< 0.5	5	0.54	8	5
GC22-0195-018	102	0.109	-71.5	8.72	80.26	0.72	0.5	< 0.5	6	410	< 1	8	3	53	1.87	20	< 10	31	< 0.5	4	0.72	8	5
1432007001	29	2.45	34.8	58.9	24.09	0.73	0.2	< 0.5	138	322	2	14	< 2	25	1.12	5	< 10	40	< 0.5	< 2	2.58	15	5
GC22-0202-001	70	0.0584	-92.6	5.74	98.30	0.84	0.4	< 0.5	4	283	< 1	10	3	77	1.33	25	< 10	22	< 0.5	8	0.34	7	5
1324078024	8	4.57	22.7	29.1	6.36	0.44	0.2	0.8	36	649	1	13	4	332	1.51	7	< 10	36	< 0.5	< 2	1.63	8	15
GC22-0200-013	71	0.0950	-80.8	8.48	89.28	0.75	0.6	< 0.5	5	340	< 1	9	4	95	1.53	19	< 10	23	< 0.5	5	0.55	7	5
F009753	> 5000																						
F009758	> 5000																						
GC22-0174-002	778	0.159	-62.6	11.9	74.47	0.67	0.9	< 0.5	324	375	< 1	10	4	42	1.89	11	< 10	26	< 0.5	11	0.90	7	6
GC22-0184-001	422	0.101	-93.0	10.5	103.51	1.04	3.3	< 0.5	585	309	3	9	3	95	1.24	13	< 10	22	< 0.5	8	0.48	8	5
GC22-0175-019	18	1.77	8.64	19.9	11.27	0.36	< 0.2	< 0.5	28	691	< 1	7	< 2	97	1.59	5	< 10	47	< 0.5	< 2	0.92	7	11
GC22-0173-005	164	0.363	-30.6	17.5	48.04	0.55	1.0	1.2	60	633	1	10	3	394	1.96	41	< 10	40	< 0.5	< 2	1.53	9	9
GC22-0175-006	54	0.163	-59.0	11.5	70.53	0.80	0.7	< 0.5	78	311	3	8	4	40	2.52	11	< 10	27	< 0.5	8	1.29	7	6
GC22-0176-001	51	0.160	-55.0	10.5	65.49	0.82	0.4	< 0.5	52	248	3	9	5	41	2.44	8	< 10	28	< 0.5	8	1.08	8	6
GC22-0174-004	187	0.0626	-59.8	4.00	63.78	0.59	0.7	< 0.5	206	510	< 1	17	< 2	57	2.18	9	< 10	28	< 0.5	3	0.93	10	13
GC22-0177-001	40	0.689	-7.66	17.0	24.62	0.44	0.3	< 0.5	36	483	< 1	6	< 2	45	1.75	6	< 10	41	< 0.5	2	0.99	5	6
1323061259	180	7.53	30.8	35.5	4.72	0.48	0.2	0.6	25	771	< 1	18	7	155	2.38	3	< 10	57	< 0.5	< 2	2.19	13	14
1323061269	128	1.06	3.99	68.0	64.02	2.92	1.8	5.5	61	1100	< 1	23	< 2	1400	1.53	30	< 10	23	< 0.5	< 2	2.76	15	12
GC22-0180-017	< 5	0.000	104	104	< 0.01	0.13	< 0.2	< 0.5	26	938	< 1	67	3	61	3.05	< 2	< 10	712	< 0.5	2	3.86	26	106

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1318077072	2.80	< 10	< 1	0.22	13	1.12	0.022	0.048	1.43	< 2	< 1	12	0.02	< 1	< 2	< 10	7	< 10	3	15	0.16	1.42	None
1318077095	3.61	< 10	< 1	0.17	13	1.22	0.016	0.047	1.52	< 2	< 1	13	0.03	< 1	< 2	< 10	8	< 10	3	16	0.16	1.53	None
1324080172	3.13	< 10	< 1	0.41	17	1.15	0.089	0.065	0.26	< 2	5	47	0.10	< 1	< 2	< 10	52	< 10	7	13	0.72	0.25	Slight
1318077087	3.34	< 10	< 1	0.21	11	1.23	0.029	0.040	1.44	2	< 1	19	< 0.01	< 1	< 2	< 10	9	< 10	3	17	0.17	1.46	None
1318077127	2.52	< 10	< 1	0.22	14	0.70	0.022	0.047	1.78	< 2	< 1	13	< 0.01	< 1	< 2	< 10	5	< 10	3	20	0.22	1.75	Slight
1324080238	2.77	< 10	< 1	0.27	14	1.27	0.068	0.046	0.52	< 2	2	52	0.03	< 1	< 2	< 10	18	< 10	4	13	0.92	0.50	Slight
1317016064	2.81	10	< 1	0.08	15	1.11	0.172	0.040	1.07	< 2	1	113	0.01	< 1	< 2	< 10	15	< 10	3	21	0.21	1.12	None
1318077139	3.02	< 10	< 1	0.37	16	0.73	0.020	0.088	2.22	2	2	102	0.02	2	< 2	< 10	14	< 10	6	8	0.68	2.25	Slight
1318077110	3.15	< 10	< 1	0.32	15	0.72	0.028	0.055	2.78	5	1	56	0.01	< 1	< 2	< 10	9	< 10	3	28	0.30	2.80	Slight
1318077164	2.11	< 10	< 1	0.24	< 10	0.37	0.021	0.044	1.84	2	< 1	37	< 0.01	< 1	< 2	< 10	4	< 10	3	15	0.86	1.80	Slight
1324080012	2.92	< 10	< 1	0.10	< 10	2.16	0.128	0.052	0.13	< 2	11	94	0.14	4	< 2	< 10	75	< 10	4	9	0.71	0.14	Slight
1318077116	2.65	< 10	< 1	0.24	10	0.96	0.047	0.040	1.21	2	< 1	15	< 0.01	< 1	< 2	< 10	12	< 10	2	15	0.21	1.22	None
1324080130	5.23	< 10	< 1	0.08	< 10	2.10	0.093	0.096	0.19	< 2	9	150	0.22	2	< 2	< 10	113	< 10	7	10	0.30	0.21	None
1324080206	4.53	< 10	< 1	0.21	< 10	2.22	0.129	0.038	0.22	2	9	98	0.22	1	< 2	< 10	167	< 10	3	9	0.27	0.23	None
1324080254	4.98	< 10	< 1	0.11	< 10	2.24	0.091	0.049	0.27	3	8	104	0.26	1	< 2	< 10	180	< 10	4	10	0.41	0.29	Slight
1324080192	3.83	< 10	< 1	0.14	< 10	2.27	0.133	0.048	0.18	< 2	9	100	0.17	< 1	< 2	< 10	103	< 10	3	9	0.41	0.19	Slight
F009381																							
F010367																							
1317020043	2.45	< 10	< 1	0.08	15	0.86	0.178	0.055	0.82	< 2	1	195	< 0.01	2	< 2	< 10	12	< 10	3	9	0.20	0.87	None
1317019036	3.36	< 10	< 1	0.21	11	0.65	0.058	0.043	3.03	< 2	< 1	31	< 0.01	2	< 2	< 10	6	< 10	3	30	0.22	3.07	None
1317020148	3.10	< 10	< 1	0.11	15	1.05	0.168	0.044	1.96	2	1	191	< 0.01	2	< 2	< 10	10	< 10	3	26	0.15	2.09	None
1317020102	3.06	< 10	< 1	0.13	13	0.90	0.150	0.043	2.31	< 2	< 1	152	0.01	< 1	< 2	< 10	9	< 10	3	30	0.16	2.41	None
1317020126	3.57	< 10	< 1	0.15	15	0.93	0.134	0.051	1.36	< 2	1	139	0.03	2	< 2	< 10	14	< 10	3	15	0.11	1.38	None
1317020156	3.75	< 10	< 1	0.02	< 10	1.37	0.594	0.020	0.08	< 2	5	63	0.20	3	< 2	< 10	115	< 10	5	5	0.07	0.09	None
1317020004	2.34	< 10	< 1	0.10	13	1.06	0.162	0.049	0.69	< 2	1	138	0.02	< 1	< 2	< 10	17	< 10	3	9	0.29	0.71	None
1317020117	2.97	< 10	< 1	0.11	15	0.82	0.132	0.057	1.14	2	1	136	0.02	2	< 2	< 10	12	< 10	3	12	0.22	1.21	None
1317020119	2.92	< 10	< 1	0.11	14	0.84	0.137	0.051	1.03	< 2	1	153	0.02	< 1	< 2	< 10	13	< 10	3	8	0.19	0.98	None
1317020063	2.45	< 10	< 1	0.11	13	0.99	0.212	0.047	0.89	< 2	1	95	0.03	< 1	< 2	< 10	25	< 10	3	10	0.22	0.86	None
1317019113	2.57	< 10	< 1	0.23	12	0.94	0.238	0.039	1.29	< 2	2	143	0.04	2	< 2	< 10	17	< 10	3	23	0.25	1.31	Slight
1317019086	4.06	< 10	< 1	0.18	< 10	1.77	0.136	0.031	1.68	< 2	7	33	0.13	1	< 2	< 10	67	< 10	4	20	0.35	1.84	None
1317020091	2.67	< 10	< 1	0.12	11	0.87	0.189	0.043	1.79	< 2	< 1	153	< 0.01	< 1	< 2	< 10	8	< 10	3	23	0.11	1.83	None
1317020016	2.35	10	< 1	0.06	17	0.87	0.111	0.057	0.60	< 2	1	166	0.01	3	< 2	< 10	15	< 10	3	7	0.15	0.61	None
1317019032	2.69	< 10	< 1	0.14	11	0.56	0.232	0.041	2.15	< 2	< 1	162	0.03	4	< 2	< 10	8	< 10	2	26	0.18	2.15	None
F009373																							
F010369																							
GC22-0186-012	3.08	< 10	< 1	0.13	< 10	0.87	0.254	0.036	1.24	< 2	1	94	0.03	< 1	5	< 10	14	< 10	3	27	0.13	1.29	None
1323061167	2.48	< 10	< 1	0.17	11	1.80	0.105	0.050	0.34	2	6	51	0.10	< 1	< 2	< 10	44	< 10	4	10	0.48	0.36	Slight
GC22-0187-001	1.69	< 10	< 1	0.29	13	0.69	0.161	0.042	1.28	< 2	1	81	0.02	< 1	< 2	< 10	11	< 10	3	22	0.11	1.26	None
1323061072	2.40	< 10	< 1	0.24	14	0.75	0.113	0.048	0.33	< 2	2	51	0.09	< 1	< 2	< 10	26	< 10	3	16	0.41	0.33	Slight
GC22-0182-001	5.07	< 10	< 1	0.22	10	1.58	0.021	0.048	4.38	2	< 1	11	< 0.01	< 1	< 2	< 10	8	< 10	3	36	0.04	4.57	None
1323061045	2.89	< 10	< 1	0.33	21	1.15	0.116	0.074	0.61	2	3	145	0.12	1	< 2	< 10	49	< 10	5	16	0.56	0.60	Slight
GC22-0185-002	2.09	< 10	< 1	0.33	12	1.30	0.063	0.044	0.47	< 2	2	29	0.05	< 1	< 2	< 10	22	< 10	3	22	0.21	0.48	None
GC22-0185-009	2.26	< 10	< 1	0.22	13	0.87	0.189	0.037	1.26	< 2	1	89	0.04	< 1	< 2	< 10	15	< 10	3	27	0.16	1.30	None
1323061031	2.19	< 10	< 1	0.15	15	0.62	0.067	0.051	0.19	< 2	1	32	0.04	< 1	< 2	< 10	17	< 10	3	9	0.54	0.18	Slight
1323061030	1.87	< 10	< 1	0.14	16	0.51	0.052	0.052	0.11	< 2	< 1	23	0.01	2	< 2	< 10	10	< 10	3	9	0.53	0.11	Slight
GC22-0187-018	4.65	10	< 1	0.99	63	3.01	0.124	0.226	0.03	< 2	13	244	0.22	2	< 2	< 10	116	< 10	9	8	0.98	0.04	Slight
1323061128	3.23	< 10	< 1	0.18	11	1.59	0.078	0.059	1.18	3	6	65	0.14	< 1	< 2	< 10	55	< 10	6	16	0.60	1.26	Slight
GC22-0186-001	2.18	< 10	< 1	0.34	13	1.28	0.086	0.039	0.27	< 2	2	32	0.06	< 1	< 2	< 10	21	< 10	3	18	0.23	0.28	Slight
GC22-0192-001	4.63	< 10	< 1	0.23	13	1.12	0.061	0.043	4.41	< 2	< 1	41	0.03	1	< 2	< 10	7	< 10	3	32	0.07	4.53	None
GC22-0191-015	3.26	< 10	< 1	0.26	13	0.96	0.072	0.045	3.03	< 2	< 1	30	< 0.01	1	< 2	< 10	7	< 10	3	34	0.07	3.07	None

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
GC22-0188-001	2.87	< 10	< 1	0.59	11	1.31	0.125	0.044	0.89	< 2	3	62	0.09	< 1	< 2	< 10	26	< 10	3	24	0.23	0.91	None
GC22-0189-020	2.71	< 10	< 1	0.16	13	1.06	0.194	0.046	1.69	< 2	2	134	0.03	1	< 2	< 10	18	< 10	3	23	0.25	1.75	None
F009573																							
F009581																							
1324078295	2.24	< 10	< 1	0.22	16	0.99	0.179	0.050	0.36	< 2	2	96	0.09	< 1	< 2	< 10	26	< 10	4	14	0.28	0.35	Slight
1432007085	2.37	< 10	< 1	0.10	12	0.72	0.053	0.044	1.55	< 2	< 1	38	< 0.01	< 1	< 2	< 10	8	< 10	3	13	0.72	1.48	Slight
1324078226	2.74	< 10	< 1	0.16	19	1.84	0.041	0.085	0.29	< 2	3	53	0.09	< 1	< 2	< 10	39	< 10	4	8	0.58	0.32	Slight
1324078222	2.27	< 10	< 1	0.25	14	1.02	0.046	0.049	0.44	< 2	2	25	0.10	< 1	< 2	< 10	26	< 10	3	19	0.35	0.44	None
GC22-0202-018	2.83	< 10	< 1	0.19	13	0.90	0.206	0.043	1.55	< 2	< 1	76	< 0.01	1	< 2	< 10	9	< 10	3	23	0.12	1.64	None
1432007018	2.23	< 10	< 1	0.10	10	0.67	0.045	0.038	0.70	< 2	< 1	46	< 0.01	< 1	< 2	< 10	8	< 10	3	6	0.96	0.69	None
1324078056	3.13	< 10	< 1	0.10	< 10	2.08	0.111	0.047	0.17	< 2	10	93	0.14	3	< 2	< 10	90	< 10	4	10	0.44	0.18	Slight
GC22-0209-005	3.46	< 10	< 1	0.21	14	1.06	0.151	0.043	2.65	< 2	< 1	86	< 0.01	2	< 2	< 10	8	< 10	3	27	0.06	2.78	None
GC22-0205-002	2.12	< 10	< 1	0.14	14	0.93	0.161	0.045	1.93	< 2	1	108	< 0.01	2	< 2	< 10	9	< 10	3	20	0.07	2.06	None
1432007021	2.29	< 10	< 1	0.14	< 10	0.77	0.064	0.043	1.48	< 2	< 1	37	< 0.01	< 1	< 2	< 10	7	< 10	2	7	0.83	1.53	Slight
GC22-0208-001	3.57	< 10	< 1	0.20	10	1.36	0.068	0.042	2.94	< 2	< 1	24	< 0.01	1	< 2	< 10	7	< 10	3	35	0.13	2.96	None
1324078174	2.12	< 10	< 1	0.42	18	0.99	0.181	0.053	0.29	< 2	2	68	0.10	< 1	< 2	< 10	25	< 10	4	19	0.20	0.27	Slight
GC22-0211-001	3.28	< 10	< 1	0.17	11	1.10	0.053	0.039	2.64	< 2	< 1	19	< 0.01	1	< 2	< 10	6	< 10	3	30	0.09	2.70	None
GC22-0205-007	3.34	< 10	< 1	0.20	14	1.16	0.071	0.043	2.22	< 2	< 1	34	< 0.01	2	< 2	< 10	8	< 10	3	28	0.12	2.32	None
GC22-0211-020	3.97	< 10	< 1	0.22	12	0.98	0.034	0.038	2.15	3	< 1	19	0.02	2	< 2	< 10	7	< 10	3	25	0.05	2.10	None
1432007160	1.96	< 10	< 1	0.07	20	0.82	0.062	0.065	0.84	< 2	2	50	< 0.01	< 1	< 2	< 10	14	< 10	3	10	0.66	0.79	Slight
1432007123	2.18	< 10	< 1	0.10	17	0.89	0.074	0.058	0.78	< 2	1	34	< 0.01	< 1	< 2	< 10	11	< 10	3	7	0.64	0.78	Slight
1432007130	1.94	< 10	< 1	0.09	14	0.82	0.058	0.044	1.31	< 2	< 1	34	< 0.01	< 1	< 2	< 10	8	< 10	3	8	0.47	1.17	Slight
F009630																							
F009604																							
GC22-0230-013	3.81	< 10	< 1	0.12	13	1.54	0.185	0.050	2.33	< 2	2	74	< 0.01	1	< 2	< 10	18	< 10	5	24	0.11	2.49	None
GC22-0235-014	2.95	< 10	< 1	0.14	14	1.30	0.110	0.049	2.13	< 2	1	44	< 0.01	< 1	< 2	< 10	10	< 10	3	24	0.20	2.19	None
GC22-0229-005	2.39	< 10	< 1	0.11	15	0.91	0.107	0.045	2.34	< 2	1	43	0.02	2	< 2	< 10	9	< 10	3	25	0.10	2.38	None
1324077140	3.75	< 10	1	0.45	24	1.64	0.156	0.071	1.18	3	4	103	0.10	< 1	< 2	< 10	39	< 10	5	19	0.94	1.22	Slight
GC22-0223-012	2.77	< 10	< 1	0.15	12	1.42	0.159	0.043	1.42	< 2	< 1	67	0.02	< 1	< 2	< 10	12	< 10	3	20	0.14	1.53	None
GC22-0217-020	11.3	10	< 1	0.09	< 10	3.23	0.037	0.075	7.70	6	6	21	0.16	< 1	< 2	< 10	149	< 10	13	12	0.14	9.42	None
1432007240	2.22	< 10	< 1	0.11	10	0.80	0.055	0.046	0.75	< 2	2	40	0.02	< 1	< 2	< 10	19	< 10	3	9	0.56	0.74	None
GC22-0224-012	3.06	< 10	< 1	0.18	12	0.95	0.088	0.044	2.38	< 2	1	36	0.02	< 1	< 2	< 10	13	< 10	4	29	0.19	2.35	None
GC22-0223-001	2.08	< 10	< 1	0.13	14	0.81	0.129	0.048	1.88	< 2	1	69	< 0.01	< 1	< 2	< 10	10	< 10	3	25	0.05	1.84	None
1316012048	2.89	< 10	< 1	0.15	12	0.67	0.134	0.041	1.57	< 2	1	51	0.02	< 1	< 2	< 10	11	< 10	2	25	0.18	1.57	None
GC22-0230-017	3.84	< 10	< 1	0.17	14	1.42	0.080	0.054	2.16	< 2	2	20	0.06	< 1	< 2	< 10	26	< 10	5	20	0.11	2.23	None
GC22-0226-014	2.70	< 10	< 1	0.11	13	1.14	0.195	0.043	1.48	< 2	< 1	77	< 0.01	< 1	< 2	< 10	9	< 10	3	23	0.13	1.52	None
1432007140	2.35	< 10	< 1	0.10	13	0.57	0.054	0.044	1.31	< 2	< 1	45	< 0.01	1	< 2	< 10	8	< 10	3	9	0.64	1.10	None
GC22-0233-008	3.02	< 10	< 1	0.12	13	1.48	0.050	0.044	2.14	< 2	< 1	17	0.01	< 1	< 2	< 10	9	< 10	3	29	0.12	2.13	None
GC22-0227-011	2.65	< 10	< 1	0.13	14	1.19	0.184	0.043	1.48	< 2	1	80	< 0.01	< 1	< 2	< 10	11	< 10	3	20	0.18	1.44	None
GC22-0221-015	2.65	< 10	< 1	0.17	13	1.07	0.186	0.043	1.45	< 2	< 1	81	< 0.01	< 1	< 2	< 10	8	< 10	3	20	0.08	1.49	None
GC22-0221-020	3.41	< 10	< 1	0.12	10	1.36	0.044	0.041	1.99	< 2	2	24	0.05	< 1	< 2	< 10	21	< 10	4	23	0.32	2.08	None
F009754																							
F009759																							
1324077064	2.30	< 10	< 1	0.24	16	1.14	0.156	0.047	0.47	< 2	2	73	0.06	< 1	< 2	< 10	19	< 10	4	15	0.87	0.53	None
GC22-0231-015	3.23	< 10	< 1	0.17	13	1.52	0.072	0.045	1.82	< 2	1	25	< 0.01	< 1	< 2	< 10	13	< 10	3	29	0.06	1.86	None
1316012277	2.79	< 10	< 1	0.14	15	0.98	0.241	0.044	2.57	2	1	153	< 0.01	< 1	< 2	< 10	8	< 10	3	24	0.19	2.69	None
GC22-0237-018	2.86	< 10	< 1	0.34	14	0.86	0.146	0.048	2.37	2	2	34	0.01	< 1	< 2	< 10	14	< 10	3	30	0.40	2.42	None
GC22-0238-015	2.42	< 10	< 1	0.42	18	1.38	0.060	0.053	1.82	3	1	21	0.01	< 1	< 2	< 10	12	< 10	3	16	0.90	1.85	None
GC22-0237-001	4.63	< 10	< 1	0.23	12	2.01	0.024	0.049	2.73	3	1	6	< 0.01	< 1	< 2	< 10	13	< 10	2	21	0.05	2.80	None
1324077026	9.16	20	< 1	0.57	< 10	1.86	0.305	0.059	0.96	3	18	126	0.17	< 1	< 2	< 10	207	< 10	12	6	1.24	0.62	Slight

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1324077044	2.77	< 10	< 1	0.36	24	1.48	0.223	0.063	0.73	< 2	2	70	0.07	< 1	< 2	< 10	23	< 10	5	11	0.79	0.76	None
1316012298	3.28	< 10	< 1	0.18	17	1.53	0.098	0.046	2.57	< 2	1	47	0.02	3	< 2	< 10	12	< 10	4	24	0.16	2.66	None
GC22-0239-011	2.65	< 10	< 1	0.29	14	1.33	0.055	0.047	2.25	< 2	< 1	17	< 0.01	< 1	< 2	< 10	10	< 10	3	23	0.63	2.41	Slight
1316012270	3.88	< 10	< 1	0.32	17	1.37	0.207	0.050	1.93	< 2	4	84	0.09	3	< 2	< 10	49	< 10	5	26	0.20	2.02	None
GC22-0232-011	3.58	< 10	< 1	0.13	13	1.69	0.052	0.043	2.47	< 2	1	18	< 0.01	1	< 2	< 10	12	< 10	3	28	0.13	2.53	None
GC22-0234-001	3.16	< 10	< 1	0.32	13	1.02	0.130	0.043	3.01	< 2	1	41	0.02	< 1	< 2	< 10	11	< 10	4	39	0.08	2.98	None
GC22-0234-018	3.03	< 10	< 1	0.16	13	1.43	0.113	0.047	2.04	< 2	1	51	0.01	< 1	< 2	< 10	13	< 10	3	27	0.09	1.97	None
1324077098	2.37	< 10	< 1	0.27	16	1.04	0.067	0.053	0.42	< 2	2	59	0.04	< 1	< 2	< 10	19	< 10	4	14	0.82	0.42	Slight
1324077002	2.64	< 10	< 1	0.20	20	1.07	0.141	0.054	0.82	< 2	1	73	0.05	< 1	< 2	< 10	17	< 10	4	13	0.69	0.84	None
GC22-0236-001	4.62	< 10	< 1	0.02	< 10	1.91	0.401	0.021	0.14	< 2	7	68	0.23	2	< 2	< 10	123	< 10	5	7	0.04	0.15	None
1316012172	3.77	< 10	< 1	0.20	13	1.11	0.185	0.043	3.32	< 2	1	139	< 0.01	< 1	< 2	< 10	10	< 10	3	32	0.15	3.37	None
1316012206	3.69	< 10	< 1	0.18	15	1.05	0.100	0.048	3.34	< 2	< 1	75	< 0.01	< 1	< 2	< 10	9	< 10	4	26	0.10	3.39	None
1316005108	4.35	< 10	< 1	0.12	< 10	1.38	0.145	0.059	2.85	< 2	4	78	0.02	1	< 2	< 10	51	< 10	7	25	0.33	2.81	None
1316005142	3.39	< 10	< 1	0.12	12	1.14	0.238	0.039	2.21	< 2	1	165	< 0.01	< 1	< 2	< 10	12	< 10	3	27	0.06	2.32	None
F009622																							
F009636																							
GC22-0190-008	7.17	< 10	< 1	0.23	11	0.87	0.039	0.043	6.99	3	< 1	13	< 0.01	4	< 2	< 10	6	< 10	2	34	0.10	7.10	None
1323061186	2.47	< 10	< 1	0.22	18	0.81	0.051	0.051	0.73	< 2	2	61	0.10	< 1	< 2	< 10	24	< 10	5	20	0.43	0.73	Slight
GC22-0191-017	2.79	< 10	< 1	0.21	12	0.92	0.198	0.044	2.54	2	< 1	82	< 0.01	1	< 2	< 10	9	< 10	3	28	0.11	2.49	None
GC22-0193-004	2.69	< 10	< 1	0.14	11	0.91	0.247	0.041	2.26	< 2	1	98	< 0.01	2	< 2	< 10	12	< 10	3	24	0.17	2.33	None
1324078084	2.40	< 10	< 1	0.50	17	0.96	0.110	0.053	0.45	< 2	2	47	0.11	< 1	< 2	< 10	31	< 10	4	24	0.42	0.46	None
GC22-0194-021	2.30	< 10	< 1	0.18	< 10	0.78	0.331	0.043	1.08	< 2	1	153	< 0.01	< 1	< 2	< 10	9	< 10	3	14	0.15	1.02	None
GC22-0193-013	2.21	< 10	< 1	0.22	11	0.68	0.222	0.039	1.78	< 2	1	131	0.01	3	< 2	< 10	9	< 10	2	32	0.14	1.86	None
1432007037	2.29	< 10	< 1	0.09	17	0.93	0.084	0.050	0.90	< 2	2	48	< 0.01	2	< 2	< 10	13	< 10	3	11	0.77	0.88	Slight
GC22-0196-015	3.95	< 10	< 1	0.28	15	1.35	0.093	0.040	3.48	< 2	< 1	35	< 0.01	< 1	< 2	< 10	8	< 10	3	35	0.09	3.54	None
GC22-0197-001	3.72	< 10	< 1	0.17	13	1.15	0.037	0.042	3.29	< 2	< 1	14	< 0.01	1	< 2	< 10	6	< 10	3	33	0.10	3.25	None
GC22-0197-018	3.41	< 10	< 1	0.21	13	1.00	0.171	0.043	1.89	2	1	69	< 0.01	2	< 2	< 10	11	< 10	3	29	0.16	1.89	None
GC22-0201-017	2.87	< 10	< 1	0.11	11	0.77	0.191	0.039	2.09	< 2	1	96	0.03	2	< 2	< 10	15	< 10	2	29	0.20	2.09	None
GC22-0198-017	2.17	< 10	< 1	0.14	< 10	0.81	0.184	0.036	1.21	< 2	1	76	0.01	2	< 2	< 10	9	< 10	2	20	0.20	1.13	None
GC22-0200-015	3.32	< 10	< 1	0.24	14	1.32	0.079	0.045	2.73	< 2	< 1	28	< 0.01	< 1	< 2	< 10	8	< 10	3	34	0.06	2.78	None
GC22-0195-018	3.07	< 10	< 1	0.21	13	1.17	0.108	0.043	2.79	< 2	< 1	39	< 0.01	< 1	< 2	< 10	7	< 10	3	33	0.05	2.81	None
1432007001	1.99	< 10	< 1	0.12	32	0.71	0.057	0.045	1.10	2	< 1	33	< 0.01	< 1	< 2	< 10	6	< 10	3	12	0.78	1.03	Slight
GC22-0202-001	3.90	< 10	< 1	0.18	11	0.94	0.049	0.043	3.49	< 2	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	3	36	0.08	3.43	None
1324078024	2.13	< 10	< 1	0.18	13	0.91	0.063	0.048	0.34	< 2	2	30	0.09	< 1	< 2	< 10	24	< 10	3	19	0.37	0.35	None
GC22-0200-013	3.27	< 10	< 1	0.16	14	1.15	0.087	0.041	2.97	2	< 1	21	< 0.01	< 1	< 2	< 10	6	< 10	3	34	0.09	3.11	None
F009753																							
F009758																							
GC22-0174-002	3.09	< 10	< 1	0.22	11	1.01	0.065	0.037	2.49	< 2	< 1	55	0.02	4	< 2	< 10	7	< 10	3	35	0.10	2.61	None
GC22-0184-001	4.08	< 10	< 1	0.17	11	0.81	0.061	0.047	3.60	2	< 1	27	< 0.01	< 1	< 2	< 10	8	< 10	3	28	0.10	3.66	None
GC22-0175-019	2.07	< 10	< 1	0.20	12	1.35	0.057	0.037	0.49	< 2	2	20	0.04	< 1	< 2	< 10	21	< 10	3	21	0.22	0.48	None
GC22-0173-005	2.36	< 10	< 1	0.28	13	0.85	0.141	0.044	1.69	< 2	1	86	0.05	< 1	< 2	< 10	13	< 10	3	28	0.20	1.72	None
GC22-0175-006	2.85	< 10	< 1	0.17	12	1.02	0.177	0.041	2.37	< 2	< 1	86	0.02	1	< 2	< 10	9	< 10	3	24	0.09	2.53	None
GC22-0176-001	2.78	< 10	< 1	0.23	13	1.03	0.178	0.043	2.34	< 2	< 1	92	< 0.01	2	< 2	< 10	8	< 10	3	24	0.06	2.36	None
GC22-0174-004	3.62	< 10	< 1	0.16	11	1.29	0.099	0.040	2.09	2	2	32	0.05	3	< 2	< 10	24	< 10	4	24	0.06	2.24	None
GC22-0177-001	1.97	< 10	< 1	0.15	13	0.76	0.167	0.046	1.02	< 2	< 1	71	< 0.01	< 1	< 2	< 10	10	< 10	3	15	0.15	0.93	None
1323061259	3.27	< 10	< 1	0.28	12	0.80	0.189	0.051	0.29	4	5	114	0.13	1	< 2	< 10	61	< 10	6	19	0.39	0.31	Slight
1323061269	4.67	< 10	< 1	0.25	17	0.80	0.050	0.071	2.85	2	3	48	0.05	< 1	< 2	< 10	36	< 10	6	26	0.84	3.07	Slight
GC22-0180-017	4.81	10	< 1	1.07	67	3.04	0.130	0.231	0.03	3	15	205	0.23	4	< 2	< 10	124	< 10	10	8	1.03	0.04	Slight

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1318077072	9.01	
1318077095	8.89	
1324080172	9.76	
1318077087	9.05	
1318077127	9.22	
1324080238	9.60	
1317016064	9.09	
1318077139	9.12	
1318077110	9.12	
1318077164	9.27	
1324080012	9.52	
1318077116	9.36	
1324080130	9.35	
1324080206	9.40	
1324080254	9.20	
1324080192	9.31	
F009381		
F010367		
1317020043	8.71	
1317019036	8.52	
1317020148	8.31	
1317020102	8.52	
1317020126	8.93	
1317020156	9.32	
1317020004	9.00	
1317020117	8.59	
1317020119	8.65	
1317020063	9.07	
1317019113	9.16	
1317019086	8.87	
1317020091	8.80	
1317020016	8.82	
1317019032	8.63	
F009373		
F010369		
GC22-0186-012	8.88	
1323061167	9.77	
GC22-0187-001	9.54	
1323061072	9.71	
GC22-0182-001	8.61	
1323061045	9.69	
GC22-0185-002	9.84	
GC22-0185-009	9.30	
1323061031	9.69	
1323061030	9.81	
GC22-0187-018	9.35	
1323061128	9.44	
GC22-0186-001	9.70	
GC22-0192-001	8.41	

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
GC22-0191-015	9.15	
GC22-0188-001	9.67	
GC22-0189-020	8.99	
F009573		
F009581		
1324078295	9.48	
1432007085	8.98	
1324078226	9.28	
1324078222	9.34	
GC22-0202-018	9.08	
1432007018	9.24	
1324078056	9.51	
GC22-0209-005	8.80	
GC22-0205-002	9.25	
1432007021	9.26	
GC22-0208-001	9.04	
1324078174	9.70	
GC22-0211-001	8.83	
GC22-0205-007	9.15	
GC22-0211-020	8.63	
1432007160	9.69	
1432007123	9.48	
1432007130	9.40	
F009630		
F009604		
GC22-0230-013	9.14	
GC22-0235-014	8.95	
GC22-0229-005	9.14	
1324077140	9.29	
GC22-0223-012	9.21	
GC22-0217-020	7.84	
1432007240	9.14	
GC22-0224-012	8.91	
GC22-0223-001	8.89	
1316012048	8.83	
GC22-0230-017	9.00	
GC22-0226-014	8.88	
1432007140	8.87	
GC22-0233-008	8.35	
GC22-0227-011	9.12	
GC22-0221-015	9.00	
GC22-0221-020	8.71	
F009754		
F009759		
1324077064	9.20	
GC22-0231-015	8.90	
1316012277	8.58	
GC22-0237-018	9.20	
GC22-0238-015	9.18	
GC22-0237-001	9.11	

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1324077026	8.71	
1324077044	9.02	
1316012298	8.56	
GC22-0239-011	9.00	
1316012270	8.85	
GC22-0232-011	8.74	
GC22-0234-001	8.55	
GC22-0234-018	8.93	
1324077098	8.19	
1324077002	8.98	
GC22-0236-001	8.80	
1316012172	8.20	
1316012206	8.36	
1316005108	8.38	
1316005142	8.76	
F009622		
F009636		
GC22-0190-008	7.97	
1323061186	9.25	
GC22-0191-017	8.45	
GC22-0193-004	8.43	
1324078084	9.02	
GC22-0194-021	8.48	
GC22-0193-013	8.68	
1432007037	9.39	
GC22-0196-015	9.03	
GC22-0197-001	8.73	
GC22-0197-018	8.95	
GC22-0201-017	8.45	
GC22-0198-017	9.09	
GC22-0200-015	9.05	
GC22-0195-018	8.95	
1432007001	9.20	
GC22-0202-001	7.49	
1324078024	9.41	
GC22-0200-013	8.35	
F009753		5.51
F009758		5.53
GC22-0174-002	8.81	
GC22-0184-001	8.30	
GC22-0175-019	9.60	
GC22-0173-005	8.91	
GC22-0175-006	8.52	
GC22-0176-001	8.87	
GC22-0174-004	8.81	
GC22-0177-001	9.17	
1323061259	9.35	
1323061269	8.77	
GC22-0180-017	9.29	

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas							0.3	< 0.5	63	1020	2	23	91	115	6.55	217	< 10	860	0.9	< 2	0.18	13	77
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
GXR-6 Meas							0.2	< 0.5	64	1040	1	24	95	118	6.69	213	< 10	851	0.9	< 2	0.18	13	77
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
BaSO4 Meas					42.1																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.6																		
BaSO4 Cert					41.94																		
BaSO4 Meas					42.3																		
BaSO4 Cert					41.94																		
BaSO4 Meas					42.6																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.6																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.6																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.5																		
BaSO4 Cert					41.94																		
BaSO4 Meas					40.1																		
BaSO4 Cert					41.94																		
BaSO4 Meas					39.9																		
BaSO4 Cert					41.94																		
BaSO4 Meas					40.0																		
BaSO4 Cert					41.94																		
BaSO4 Meas					42.1																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.5																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.9																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.6																		
BaSO4 Cert					41.94																		
OREAS 98 (Aqua Regia) Meas							37.8		> 10000				300	1130						< 2		102	
OREAS 98 (Aqua Regia) Cert							42.8		147000				343	1300						90		111	
OREAS 98 (Aqua Regia) Meas							38.6		> 10000				314	1190						< 2		104	
OREAS 98 (Aqua Regia) Cert							42.8		147000				343	1300						90		111	
RTS-3a Meas					29.6																		
RTS-3a Cert					29.90																		
RTS-3a Meas					29.6																		
RTS-3a Cert					29.90																		
RTS-3a Meas					29.5																		
RTS-3a Cert					29.90																		
RTS-3a Meas					28.8																		
RTS-3a Cert					29.90																		
RTS-3a Meas					29.3																		
RTS-3a Cert					29.90																		

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
RTS-3a Meas					29.7																		
RTS-3a Cert					29.90																		
RTS-3a Meas					29.5																		
RTS-3a Cert					29.90																		
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
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GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas					< 0.05																		
SiO2 Cert																							
SiO2 Meas					< 0.05																		
SiO2 Cert																							
SiO2 Meas					< 0.05																		
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SiO2 Cert																							
SiO2 Meas					< 0.05																		
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas							1.0	< 0.5	2340	806	< 1	35	61	259	2.80	6		71	0.7	3	0.42	19	47
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2370	815	< 1	33	60	260	2.83	6		71	0.8	3	0.43	19	46
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922							0.8	< 0.5	2370	803	< 1	33	64	258	2.79	5		71	0.8	9	0.42	19	46

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 923 (AQUA REGIA) Meas							1.9	< 0.5	4690	929	< 1	33	83	342	2.87	6		58	0.7	16	0.43	22	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.9	< 0.5	4690	927	< 1	35	84	338	2.83	8		58	0.7	11	0.42	23	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.5	< 0.5	4470	880	< 1	30	86	332	2.80	6		56	0.7	15	0.41	21	42
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
Oreas 96 (Aqua Regia) Meas							10.6		> 10000				93	408						< 2		46	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							11.0		> 10000				96	418						< 2		47	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.5		> 10000				94	413						< 2		45	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas									339	175	< 1	216	8	26	6.89			132	1.1	4	0.08	39	363
OREAS 45f (Aqua Regia) Cert									336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341
OREAS 45f (Aqua Regia) Meas									335	170	< 1	213	11	25	6.76			129	1.1	4	0.08	39	360
OREAS 45f (Aqua Regia) Cert									336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341
OREAS 45f (Aqua Regia) Meas									329	168	< 1	210	11	25	6.77			128	1.1	3	0.08	38	353
OREAS 45f (Aqua Regia) Cert									336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341
OREAS 238 (Fire Assay) Meas						2960																	
OREAS 238 (Fire Assay) Cert						3030																	
OREAS 238 (Fire Assay) Meas						3060																	
OREAS 238 (Fire						3030																	

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																							
OREAS 238 (Fire Assay) Meas						2980																	
OREAS 238 (Fire Assay) Cert						3030																	
OREAS 238 (Fire Assay) Meas						3010																	
OREAS 238 (Fire Assay) Cert						3030																	
OREAS 238 (Fire Assay) Meas						3000																	
OREAS 238 (Fire Assay) Cert						3030																	
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas						518																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						493																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						498																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						503																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						502																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						494																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						490																	
Oreas E1336 (Fire Assay) Cert						510.000																	

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
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GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas							40.8	161	1910	468	10	16	> 5000	> 10000	1.22	51		23	0.7	4	1.40	13	18
Oreas 620 (Aqua Regia) Cert							38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17
Oreas 620 (Aqua Regia) Meas							41.1	166	1960	469	10	18	> 5000	> 10000	1.22	51		18	0.7	< 2	1.41	14	24
Oreas 620 (Aqua Regia) Cert							38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17
Oreas 620 (Aqua Regia) Meas							40.7	165	1960	468	10	17	> 5000	> 10000	1.23	50		< 10	0.7	< 2	1.41	14	23
Oreas 620 (Aqua Regia) Cert							38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17
OREAS L15 Meas						> 5000																	
OREAS L15 Cert						7180																	
1318077110 Orig						619																	
1318077110 Dup						655																	
1318077164 Orig					0.63																		
1318077164 Dup					0.64																		
1324080012 Orig							0.3	< 0.5	86	559	< 1	98	< 2	53	2.11	4	< 10	38	< 0.5	< 2	3.22	28	165
1324080012 Dup							0.2	< 0.5	85	548	< 1	95	2	54	2.08	6	< 10	38	< 0.5	< 2	3.18	28	162
1317020043 Orig						54																	
1317020043 Dup						38																	
1317020148 Orig					0.46																		
1317020148 Dup					0.43																		
1317020126 Orig																							
1317020126 Dup																							
1317020119 Orig							< 0.2	< 0.5	62	445	< 1	9	2	69	3.27	7	< 10	39	< 0.5	< 2	1.46	8	7
1317020119 Dup							< 0.2	< 0.5	63	447	< 1	9	< 2	68	3.27	7	< 10	40	< 0.5	< 2	1.45	7	7
1317019113 Orig						652																	
1317019113 Dup						653																	
1317019032 Orig																							
1317019032 Dup																							
GC22-0186-012 Orig					0.37																		
GC22-0186-012 Dup					0.40																		
1323061072 Orig						14																	
1323061072 Dup						14																	

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0185-002 Orig							< 0.2	< 0.5	27	604	< 1	9	< 2	94	1.55	4	< 10	59	< 0.5	< 2	0.82	7	12
GC22-0185-002 Dup							< 0.2	< 0.5	26	599	< 1	7	< 2	94	1.55	4	< 10	59	< 0.5	< 2	0.82	7	11
1323061030 Orig					0.29																		
1323061030 Dup					0.28																		
GC22-0187-018 Orig																							
GC22-0187-018 Dup																							
GC22-0192-001 Orig						102																	
GC22-0192-001 Dup						115																	
GC22-0191-015 Orig	0.0791	-81.5	7.00	88.53																			
GC22-0191-015 Dup	0.0902	-80.5	7.98	88.53																			
1324078222 Orig							0.3	0.7	15	674	< 1	11	12	284	1.70	4	< 10	43	< 0.5	< 2	1.75	8	12
1324078222 Dup							0.3	0.5	15	668	< 1	10	10	280	1.69	5	< 10	43	< 0.5	< 2	1.75	8	13
GC22-0202-018 Orig						59																	
GC22-0202-018 Dup						64																	
1432007018 Orig					0.44																		
1432007018 Dup					0.44																		
GC22-0211-020 Orig					0.70	798																	
GC22-0211-020 Dup					0.67	783																	
1324077140 Orig																							
1324077140 Dup																							
GC22-0223-012 Orig						162																	
GC22-0223-012 Dup						208																	
1432007240 Orig																							
1432007240 Dup																							
GC22-0223-001 Orig							< 0.2	< 0.5	83	400	2	8	< 2	74	1.58	13	< 10	30	< 0.5	< 2	0.57	7	6
GC22-0223-001 Dup							< 0.2	< 0.5	86	409	2	6	3	75	1.60	14	< 10	29	< 0.5	< 2	0.58	7	6
1316012048 Orig					0.45																		
1316012048 Dup					0.50																		
1324077064 Orig																							
1324077064 Dup																							
GC22-0231-015 Orig					0.48																		
GC22-0231-015 Dup					0.42																		
GC22-0237-001 Orig						3480	4.3	< 0.5	422	1280	4	68	112	151	2.34	169	< 10	23	< 0.5	6	0.21	8	9
GC22-0237-001 Dup						3180	5.4	< 0.5	418	1300	3	69	106	150	2.35	196	< 10	24	< 0.5	7	0.22	8	9
1324077026 Orig	17.2	85.6	90.9	5.29																			

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1316012298 Orig																							
1316012298 Dup																							
1316012270 Orig																							
1316012270 Dup																							
1324077098 Orig	5.95	43.2	51.9	8.72	0.42																		
1324077098 Dup	5.92	43.0	51.7	8.73	0.42																		
1324077002 Orig						41																	
1324077002 Dup						44																	
1316012206 Orig							0.2	< 0.5	22	453	< 1	10	< 2	69	2.04	4	< 10	19	< 0.5	6	0.92	9	6
1316012206 Dup							0.6	< 0.5	22	444	< 1	12	< 2	67	1.98	< 2	< 10	19	< 0.5	7	0.91	9	6
GC22-0190-008 Orig																							
GC22-0190-008 Dup																							
GC22-0191-017 Orig					0.62	269																	
GC22-0191-017 Dup					0.58	204																	
GC22-0197-018 Orig																							
GC22-0197-018 Dup																							
GC22-0201-017 Orig							0.4	< 0.5	10	424	1	10	2	53	1.96	18	< 10	27	< 0.5	3	1.52	7	12
GC22-0201-017 Dup							0.3	< 0.5	10	419	2	11	2	52	1.96	17	< 10	29	< 0.5	2	1.50	7	12
GC22-0198-017 Orig						190																	
GC22-0198-017 Dup						271																	
1432007001 Orig					0.73																		
1432007001 Dup					0.80																		
GC22-0175-019 Orig																							
GC22-0175-019 Dup																							
GC22-0173-005 Orig						164																	
GC22-0173-005 Dup						171																	
GC22-0176-001 Orig					0.82																		
GC22-0176-001 Dup					0.73																		
1323061259 Orig							0.2	0.6	25	771	< 1	18	7	155	2.38	3	< 10	57	< 0.5	< 2	2.19	13	14
1323061259 Dup							< 0.2	< 0.5	25	778	< 1	15	9	154	2.35	4	< 10	56	< 0.5	< 2	2.16	13	16
1323061269 Orig																							
1323061269 Dup																							
GC22-0180-017 Orig	0.000	104	104	< 0.01	0.13																		
GC22-0180-017 Dup	0.000	105	105	< 0.01	0.13																		
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
GXR-6 Meas	5.26	20	< 1	0.94	< 10	0.37	0.154	0.034	0.01	4	25	36		< 1	< 2	< 10	160	< 10	7	18			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	5.35	20	< 1	0.95	< 10	0.37	0.162	0.034	0.01	5	25	36		< 1	< 2	< 10	162	< 10	7	16			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
BaSO4 Meas																						14.3	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.3	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.3	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.4	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.6	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.4	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.6	
BaSO4 Cert																						14.0	
BaSO4 Meas																							
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BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas										19													
OREAS 98 (Aqua Regia) Cert										15													
OREAS 98 (Aqua Regia) Meas										18													
OREAS 98 (Aqua Regia) Cert										15													
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
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RTS-3a Meas																							
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RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																					1.11	0.58	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.57	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.57	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.42	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.56	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.42	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.56	
GS311-4 Cert																					1.11	0.54	
SiO2 Meas																					< 0.01	0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					0.01	0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					0.01	0.01	
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	5.27	< 10		0.40	33	1.32	0.031	0.067	0.38	< 2	4	15			< 2	< 10	34	< 10	21	10			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.35	< 10		0.40	34	1.34	0.029	0.068	0.38	2	4	16			< 2	< 10	34	< 10	21	12			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.29	< 10		0.40	33	1.33	0.029	0.067	0.38	2	4	16			< 2	< 10	34	< 10	21	17			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 923 (AQUA REGIA) Meas	6.17	< 10		0.34	31	1.44		0.063	0.70	2	4	14			< 2	< 10	34	< 10	19	13			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.17	< 10		0.34	31	1.44		0.064	0.70	2	4	14			< 2	< 10	34	< 10	19	16			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.01	< 10		0.33	30	1.41		0.062	0.68	3	4	14			< 2	< 10	33	< 10	19	22			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
Oreas 96 (Aqua Regia) Meas									3.76	6													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.73	5													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.59	7													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	14.1	20	< 1	0.08	10	0.17	0.051	0.022	0.02		34	15	0.12		< 2	< 10	209		7	26			
OREAS 45f (Aqua Regia) Cert	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0			
OREAS 45f (Aqua Regia) Meas	14.0	20	2	0.08	11	0.17	0.048	0.022	0.03		33	14	0.12		< 2	< 10	209		7	29			
OREAS 45f (Aqua Regia) Cert	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0			
OREAS 45f (Aqua Regia) Meas	13.8	20	< 1	0.08	10	0.17	0.048	0.021	0.02		33	14	0.11		< 2	< 10	203		7	29			
OREAS 45f (Aqua Regia) Cert	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0			
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																					0.06	0.36	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.35	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.06	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.06	0.34	
GS316-3 Cert																					0.0600	0.340	
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																					8.41	14.8	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					8.43	14.8	
GS317-5 Cert																					8.46	15.5	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
GS317-5 Meas																					8.34	14.7	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					8.44	14.9	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					8.37	14.9	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					8.44	14.9	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					8.37	14.9	
GS317-5 Cert																					8.46	15.5	
Oreas 620 (Aqua Regia) Meas	2.78	< 10	2	0.30	24	0.27	0.128	0.034	2.61	67		20			< 2	< 10	9	< 10	8	67			
Oreas 620 (Aqua Regia) Cert	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57			
Oreas 620 (Aqua Regia) Meas	2.80	< 10	2	0.29	24	0.28	0.126	0.033	2.64	56		19			< 2	< 10	9	< 10	8	53			
Oreas 620 (Aqua Regia) Cert	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57			
Oreas 620 (Aqua Regia) Meas	2.78	< 10	2	0.29	24	0.28	0.127	0.033	2.63	60		19			< 2	< 10	9	< 10	9	55			
Oreas 620 (Aqua Regia) Cert	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57			
OREAS L15 Meas																							
OREAS L15 Cert																							
1318077110 Orig																							
1318077110 Dup																							
1318077164 Orig																					0.86	1.80	
1318077164 Dup																					0.87	1.77	
1324080012 Orig	2.92	< 10	< 1	0.10	< 10	2.16	0.128	0.052	0.13	< 2	11	94	0.14	4	< 2	< 10	75	< 10	4	9			
1324080012 Dup	2.89	< 10	< 1	0.09	< 10	2.13	0.128	0.052	0.13	< 2	10	94	0.14	3	< 2	< 10	77	< 10	4	9			
1317020043 Orig																							
1317020043 Dup																							
1317020148 Orig																							
1317020148 Dup																							
1317020126 Orig																					0.11	1.38	
1317020126 Dup																					0.10	1.40	
1317020119 Orig	2.92	< 10	< 1	0.11	14	0.84	0.137	0.051	1.03	< 2	1	153	0.02	< 1	< 2	< 10	13	< 10	3	8			
1317020119 Dup	2.90	< 10	< 1	0.11	14	0.83	0.138	0.050	1.03	< 2	1	151	0.02	2	< 2	< 10	12	< 10	3	11			
1317019113 Orig																							
1317019113 Dup																							
1317019032 Orig																					0.18	2.15	
1317019032 Dup																					0.17	2.17	
GC22-0186-012 Orig																							
GC22-0186-012 Dup																							
1323061072 Orig																							
1323061072 Dup																							
GC22-0185-002 Orig	2.09	< 10	< 1	0.33	12	1.30	0.063	0.044	0.47	< 2	2	29	0.05	< 1	< 2	< 10	22	< 10	3	22			
GC22-0185-002 Dup	2.11	< 10	< 1	0.33	12	1.29	0.063	0.043	0.48	< 2	2	29	0.05	< 1	< 2	< 10	21	< 10	3	23			
1323061030 Orig																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1323061030 Dup																							
GC22-0187-018 Orig																					0.98	0.04	
GC22-0187-018 Dup																					1.01	0.04	
GC22-0192-001 Orig																							
GC22-0192-001 Dup																							
GC22-0191-015 Orig																							None
GC22-0191-015 Dup																							None
1324078222 Orig	2.27	< 10	< 1	0.25	14	1.02	0.046	0.049	0.44	< 2	2	25	0.10	< 1	< 2	< 10	26	< 10	3	19	0.35	0.44	
1324078222 Dup	2.25	< 10	< 1	0.25	14	1.01	0.047	0.050	0.43	< 2	2	26	0.10	< 1	< 2	< 10	26	< 10	3	19	0.35	0.44	
GC22-0202-018 Orig																							
GC22-0202-018 Dup																							
1432007018 Orig																							
1432007018 Dup																							
GC22-0211-020 Orig																					0.05	2.10	
GC22-0211-020 Dup																					0.05	2.03	
1324077140 Orig																							
1324077140 Dup																							
GC22-0223-012 Orig																							
GC22-0223-012 Dup																							
1432007240 Orig																					0.56	0.74	
1432007240 Dup																					0.56	0.73	
GC22-0223-001 Orig	2.08	< 10	< 1	0.13	14	0.81	0.129	0.048	1.88	< 2	1	69	< 0.01	< 1	< 2	< 10	10	< 10	3	25			
GC22-0223-001 Dup	2.14	< 10	< 1	0.13	14	0.83	0.132	0.049	1.93	2	1	70	< 0.01	1	< 2	< 10	10	< 10	3	23			
1316012048 Orig																							
1316012048 Dup																							
1324077064 Orig																					0.87	0.53	
1324077064 Dup																					0.85	0.52	
GC22-0231-015 Orig																							
GC22-0231-015 Dup																							
GC22-0237-001 Orig	4.63	< 10	< 1	0.23	12	2.01	0.024	0.049	2.73	3	1	6	< 0.01	< 1	< 2	< 10	13	< 10	2	21			
GC22-0237-001 Dup	4.67	< 10	< 1	0.23	12	2.03	0.025	0.050	2.78	2	1	6	< 0.01	2	< 2	< 10	12	< 10	2	22			
1324077026 Orig																							
1316012298 Orig																							None
1316012298 Dup																							None
1316012270 Orig																					0.20	2.02	
1316012270 Dup																					0.20	2.03	
1324077098 Orig																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1324077098 Dup																							
1324077002 Orig																							
1324077002 Dup																							
1316012206 Orig	3.69	< 10	< 1	0.18	15	1.05	0.100	0.048	3.34	< 2	< 1	75	< 0.01	< 1	< 2	< 10	9	< 10	4	26			
1316012206 Dup	3.68	< 10	< 1	0.17	15	1.03	0.098	0.048	3.38	< 2	< 1	73	< 0.01	< 1	< 2	< 10	9	< 10	4	26			
GC22-0190-008 Orig																					0.10	7.10	
GC22-0190-008 Dup																					0.09	7.49	
GC22-0191-017 Orig																							
GC22-0191-017 Dup																							
GC22-0197-018 Orig																					0.16	1.89	
GC22-0197-018 Dup																					0.16	1.88	
GC22-0201-017 Orig	2.87	< 10	< 1	0.11	11	0.77	0.191	0.039	2.09	< 2	1	96	0.03	2	< 2	< 10	15	< 10	2	29			
GC22-0201-017 Dup	2.83	< 10	< 1	0.11	12	0.75	0.192	0.037	2.03	< 2	1	96	0.03	2	< 2	< 10	15	< 10	2	31			
GC22-0198-017 Orig																							
GC22-0198-017 Dup																							
1432007001 Orig																							
1432007001 Dup																							
GC22-0175-019 Orig																					0.22	0.48	
GC22-0175-019 Dup																					0.22	0.48	
GC22-0173-005 Orig																							
GC22-0173-005 Dup																							
GC22-0176-001 Orig																							
GC22-0176-001 Dup																							
1323061259 Orig	3.27	< 10	< 1	0.28	12	0.80	0.189	0.051	0.29	4	5	114	0.13	1	< 2	< 10	61	< 10	6	19			
1323061259 Dup	3.34	< 10	< 1	0.27	12	0.79	0.186	0.052	0.30	< 2	5	114	0.13	< 1	< 2	< 10	61	< 10	6	19			
1323061269 Orig																					0.84	3.07	
1323061269 Dup																					0.83	2.98	
GC22-0180-017 Orig																							Slight
GC22-0180-017 Dup																							Slight
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
GXR-6 Meas		
GXR-6 Cert		
GXR-6 Meas		
GXR-6 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
NBM-1 (slight fzz) Meas	8.63	
NBM-1 (slight fzz) Cert	8.53	
NBM-1 (slight fzz) Meas	9.10	
NBM-1 (slight fzz) Cert	8.53	
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
(AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		11.8
OREAS 229b (Fire Assay) Cert		11.95
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
OREAS 257b (Fire Assay) Meas		14.4
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
OREAS L15 Meas		
OREAS L15 Cert		
1318077110 Orig		
1318077110 Dup		
1318077164 Orig		
1318077164 Dup		
1324080012 Orig		
1324080012 Dup		
1317020043 Orig		
1317020043 Dup		
1317020148 Orig		
1317020148 Dup		
1317020126 Orig		
1317020126 Dup		
1317020119 Orig		
1317020119 Dup		
1317019113 Orig		
1317019113 Dup		
1317019032 Orig		
1317019032 Dup		
GC22-0186-012 Orig		
GC22-0186-012 Dup		
1323061072 Orig		
1323061072 Dup		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
GC22-0185-002 Orig		
GC22-0185-002 Dup		
1323061030 Orig		
1323061030 Dup		
GC22-0187-018 Orig		
GC22-0187-018 Dup		
GC22-0192-001 Orig		
GC22-0192-001 Dup		
GC22-0191-015 Orig		
GC22-0191-015 Dup		
1324078222 Orig		
1324078222 Dup		
GC22-0202-018 Orig		
GC22-0202-018 Dup		
1432007018 Orig		
1432007018 Dup		
GC22-0211-020 Orig		
GC22-0211-020 Dup		
1324077140 Orig	9.29	
1324077140 Dup	9.26	
GC22-0223-012 Orig		
GC22-0223-012 Dup		
1432007240 Orig		
1432007240 Dup		
GC22-0223-001 Orig		
GC22-0223-001 Dup		
1316012048 Orig		
1316012048 Dup		
1324077064 Orig		
1324077064 Dup		
GC22-0231-015 Orig		
GC22-0231-015 Dup		
GC22-0237-001 Orig		
GC22-0237-001 Dup		
1324077026 Orig		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1316012298 Orig		
1316012298 Dup		
1316012270 Orig		
1316012270 Dup		
1324077098 Orig		
1324077098 Dup		
1324077002 Orig		
1324077002 Dup		
1316012206 Orig		
1316012206 Dup		
GC22-0190-008 Orig		
GC22-0190-008 Dup		
GC22-0191-017 Orig		
GC22-0191-017 Dup		
GC22-0197-018 Orig		
GC22-0197-018 Dup		
GC22-0201-017 Orig		
GC22-0201-017 Dup		
GC22-0198-017 Orig		
GC22-0198-017 Dup		
1432007001 Orig		
1432007001 Dup		
GC22-0175-019 Orig		
GC22-0175-019 Dup		
GC22-0173-005 Orig		
GC22-0173-005 Dup		
GC22-0176-001 Orig		
GC22-0176-001 Dup		
1323061259 Orig		
1323061259 Dup		
1323061269 Orig		
1323061269 Dup		
GC22-0180-017 Orig	9.29	
GC22-0180-017 Dup	9.30	
Method Blank		
Method Blank		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-07070**
Report Date: **17-Aug-22**
Date Submitted: **25-May-22**
Your Reference: **2022 FEB,MARCH,APRIL CHECK ASSAYS**

New Gold Inc.
317 Heatwole
Barwick Ontario
Canada

ATTN: Caroline Daost

CERTIFICATE OF ANALYSIS

148 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-06-24 16:15:37
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-06-27 18:20:36
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-06-16 19:19:21

REPORT **A22-07070**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Report No.: **A22-07070**
Report Date: **17-Aug-22**
Date Submitted: **25-May-22**
Your Reference: **2022 FEB,MARCH,APRIL CHECK ASSAYS**

New Gold Inc.
317 Heatwole
Barwick Ontario
Canada

ATTN: Caroline Daost

CERTIFICATE OF ANALYSIS

148 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2022-07-11 21:40:00
4F-C, S	Infrared	2022-06-21 21:23:01

REPORT **A22-07070**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01		5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1323062003	0.971	-1.24	41.2	42.46		98	2.1	1.3	34	840	< 1	11	80	413	1.12	38	< 10	36	< 0.5	< 2	1.98	9	7
GC22-0264-010	0.529	-13.1	14.7	27.83		621	0.6	< 0.5	21	857	1	10	19	185	1.74	78	< 10	25	< 0.5	< 2	0.80	9	8
GC22-0265-019	0.355	-38.4	21.2	59.60		77	0.6	1.8	51	711	< 1	10	21	465	2.16	21	< 10	25	< 0.5	< 2	2.09	8	7
GC22-0265-002	0.202	-34.6	8.74	43.29		635	0.9	< 0.5	34	712	< 1	10	16	171	1.40	59	< 10	28	< 0.5	< 2	0.42	8	7
1323062022	0.864	-5.52	35.1	40.62		53	6.2	< 0.5	18	1080	< 1	8	65	151	0.94	56	< 10	32	< 0.5	< 2	2.59	8	4
GC22-0263-011	0.196	-44.0	10.7	54.69		2530	1.4	15.7	56	595	< 1	10	52	3720	1.58	73	< 10	28	< 0.5	< 2	0.83	9	6
GC22-0266-001	-0.334	-108	-26.9	80.66		419	0.8	< 0.5	372	220	< 1	2	3	45	2.01	17	< 10	25	< 0.5	3	1.15	11	4
1323062049	1.73	36.7	87.2	50.50		91	2.8	0.7	21	1250	< 1	6	66	249	0.73	73	< 10	21	< 0.5	< 2	2.66	7	3
GC22-0266-011	0.602	-9.43	14.2	23.66		61	0.4	< 0.5	107	253	6	7	< 2	39	3.86	15	< 10	35	< 0.5	< 2	1.89	8	7
GC22-0269-001	0.149	-62.8	11.0	73.71		365	0.2	< 0.5	281	171	< 1	2	< 2	19	1.96	6	< 10	21	< 0.5	< 2	1.01	8	4
F009611						509																	
F009602						514																	
1323062087	1.05	1.62	35.7	34.03		283	0.7	0.7	23	852	< 1	6	90	277	1.51	32	< 10	37	< 0.5	< 2	1.79	8	5
1323062144	2.69	16.8	26.7	9.94		14	0.2	< 0.5	14	622	< 1	12	6	170	2.47	4	< 10	71	< 0.5	< 2	1.94	9	13
GC22-0277-012	0.405	-8.06	5.50	13.56		39	< 0.2	< 0.5	9	207	< 1	7	< 2	39	2.32	3	< 10	45	< 0.5	< 2	0.81	7	7
GC22-0277-001	0.480	-13.5	12.5	26.02		589	1.1	< 0.5	585	245	26	7	< 2	38	2.97	11	< 10	46	< 0.5	3	1.30	6	7
1323062055	1.48	14.6	44.7	30.13		600	1.4	< 0.5	24	953	2	6	77	191	1.77	24	< 10	42	< 0.5	< 2	2.44	7	4
1323062234	0.705	-1.56	3.74	5.30		24	0.3	0.6	18	727	2	13	12	266	1.45	6	< 10	54	< 0.5	< 2	2.21	9	15
GC22-0278-001	1.14	3.47	28.7	25.22		190	0.4	< 0.5	124	309	7	10	3	34	2.41	15	< 10	38	< 0.5	5	1.71	5	8
GC22-0279-018	0.155	-44.8	8.25	53.09		61	0.4	< 0.5	17	483	< 1	9	< 2	134	2.21	13	< 10	36	< 0.5	< 2	0.75	8	7
GC22-0278-013	0.329	-19.8	9.74	29.59		354	0.3	< 0.5	99	338	1	7	3	75	2.43	9	< 10	48	< 0.5	< 2	0.78	9	5
GC22-0281-008	0.218	-52.1	14.5	66.55		713	0.8	< 0.5	273	289	8	6	< 2	34	2.58	32	< 10	20	< 0.5	2	1.40	5	6
GC22-0279-001	0.797	-5.09	20.0	25.09		224	0.8	< 0.5	201	332	2	12	11	36	2.61	8	< 10	31	< 0.5	20	1.44	3	18
GC22-0280-010	1.81	12.3	27.4	15.14		97	0.6	< 0.5	192	342	1	8	2	31	3.70	8	< 10	38	< 0.5	< 2	2.35	4	9
GC22-0281-001	0.639	-20.5	36.2	56.76		437	< 0.2	< 0.5	57	250	< 1	4	2	36	2.49	12	< 10	37	< 0.5	< 2	1.47	7	4
1323062270	119	58.8	59.3	0.50		9	< 0.2	< 0.5	35	612	< 1	213	3	73	2.24	3	< 10	55	< 0.5	< 2	3.10	30	474
GC22-0282-019	0.361	-28.1	15.9	44.00		26	< 0.2	< 0.5	5	376	1	8	< 2	82	2.33	6	< 10	41	< 0.5	< 2	1.39	6	8
GC22-0283-007	1.09	1.44	18.3	16.84		232	< 0.2	< 0.5	54	296	< 1	6	7	34	2.77	8	< 10	29	< 0.5	< 2	1.69	6	5
GC22-0282-012	0.537	-12.1	14.0	26.09		28	< 0.2	< 0.5	21	299	3	7	2	42	1.91	3	< 10	30	< 0.5	< 2	1.04	5	8
F009608						1200																	
F009582						1170																	
GC22-0243-005	0.119	-40.8	5.49	46.31		1130	0.5	< 0.5	231	115	1	3	< 2	12	1.72	9	< 10	38	< 0.5	4	0.57	5	2
GC22-0242-004	-0.168	-58.4	-8.39	49.98		2080	1.0	< 0.5	986	276	< 1	2	< 2	24	2.92	3	< 10	40	< 0.5	31	1.65	6	3
GC22-0241-013	4.19	28.7	37.7	8.98		21	0.9	< 0.5	240	349	16	9	3	58	3.60	2	< 10	96	< 0.5	< 2	2.68	5	9
1318086089	0.712	-14.8	36.5	51.28		203	1.1	1.2	47	782	< 1	11	30	332	2.19	19	< 10	31	< 0.5	< 2	2.22	9	5
GC22-0254-018	0.376	-25.4	15.9	42.16		161	0.3	< 0.5	24	261	< 1	6	< 2	27	2.16	8	< 10	36	< 0.5	4	1.06	7	6
GC22-0243-002	0.149	-60.0	10.5	70.49		3450	1.3	< 0.5	1340	238	< 1	3	2	27	2.18	5	< 10	24	< 0.5	30	1.01	8	2
GC22-0254-002	0.138	-42.1	6.74	48.87		> 5000	1.0	< 0.5	265	117	< 1	3	< 2	12	1.76	13	< 10	38	< 0.5	11	0.50	6	2
GC22-0255-018	0.327	-26.7	13.0	39.72		184	0.7	< 0.5	327	268	6	5	< 2	21	2.54	11	< 10	32	< 0.5	< 2	1.23	5	6
GC22-0257-013	0.479	-21.2	19.5	40.64		81	0.7	< 0.5	288	300	12	7	< 2	45	2.87	13	< 10	40	< 0.5	< 2	1.62	9	6
1318086029						416	4.6	0.8	36	1030	< 1	11	149	231	1.05	20	< 10	31	< 0.5	8	2.39	9	6
GC22-0255-001	0.218	-28.6	7.99	36.63		459	< 0.2	< 0.5	87	238	< 1	2	3	24	2.10	9	< 10	31	< 0.5	2	0.86	8	4
1323067020	1.54	12.4	35.1	22.71		224	0.5	< 0.5	77	1250	< 1	38	3	182	2.66	10	< 10	55	< 0.5	< 2	2.41	29	35
1316006044	0.213	-54.4	14.7	69.10		74	0.3	< 0.5	49	406	3	9	4	49	2.08	10	< 10	30	< 0.5	2	1.39	10	8
1318086020	0.923	-3.94	47.1	51.03		911	2.2	1.3	66	1050	< 1	10	57	374	1.72	35	< 10	32	< 0.5	< 2	2.40	9	5
GC22-0258-011	1.05	2.15	46.3	44.20		120	0.3	1.1	37	773	< 1	8	11	301	1.26	51	< 10	33	< 0.5	< 2	1.94	8	4
GC22-0256-019	0.175	-45.8	9.74	55.58		47	0.4	< 0.5	172	193	5	7	3	37	2.32	7	< 10	29	< 0.5	< 2	0.83	8	5
GC22-0256-002	0.210	-37.5	9.96	47.43		893	1.0	< 0.5	395	331	< 1	4	< 2	22	1.96	7	< 10	41	< 0.5	4	1.06	3	3
1316006015	0.621	-30.4	49.8	80.16		252	0.5	< 0.5	84	578	< 1	21	9	87	2.85	24	< 10	30	< 0.5	3	1.89	12	12

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01		5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
F009614						1150																	
F009601						1170																	
1323062280	2.19	19.6	36.1	16.46		15	< 0.2	< 0.5	22	486	< 1	12	3	162	1.45	2	< 10	53	< 0.5	< 2	1.85	9	12
1323062052	1.49	20.4	61.7	41.28		500	4.8	4.2	44	989	< 1	6	561	1100	1.08	65	< 10	29	< 0.5	< 2	2.62	7	3
GC22-0285-020	1.07	1.00	14.6	13.62		58	< 0.2	< 0.5	74	387	4	12	< 2	43	3.83	18	< 10	37	< 0.5	< 2	1.91	4	12
GC22-0289-019	4.43	14.9	19.2	4.33		59	< 0.2	< 0.5	17	270	3	6	< 2	26	3.76	7	< 10	32	< 0.5	< 2	1.98	3	8
GC22-0284-002	0.238	-68.8	21.5	90.34		1440	0.9	< 0.5	479	278	4	15	< 2	31	2.59	23	< 10	28	< 0.5	16	0.89	12	8
GC22-0286-001	0.182	-40.1	8.92	49.04		1000	0.5	< 0.5	247	200	< 1	2	3	21	2.36	12	< 10	36	< 0.5	< 2	1.21	7	3
GC22-0284-019	0.212	-49.6	13.3	62.93		499	0.6	< 0.5	310	398	11	14	2	42	3.19	19	< 10	24	< 0.5	< 2	1.32	5	10
GC22-0288-019	0.241	-37.3	11.9	49.15		1190	1.9	< 0.5	1060	238	4	8	6	29	2.80	16	< 10	27	< 0.5	8	1.54	4	7
GC22-0287-018	0.310	-25.6	11.5	37.17		355	0.5	< 0.5	254	183	< 1	3	< 2	21	2.47	10	< 10	46	< 0.5	3	1.23	6	3
1323066010	4.31	37.5	48.9	11.35		10	< 0.2	< 0.5	10	707	2	20	< 2	97	1.61	< 2	< 10	89	< 0.5	< 2	2.33	13	15
GC22-0287-001	0.626	-10.6	17.7	28.32		120	< 0.2	< 0.5	69	314	< 1	10	3	51	2.21	7	< 10	27	< 0.5	< 2	1.08	10	11
GC22-0290-003	0.305	-26.1	11.5	37.59		501	< 0.2	< 0.5	98	224	< 1	3	2	23	2.98	4	< 10	40	< 0.5	4	1.61	5	4
1323066162	3.31	38.7	55.5	16.75		10	< 0.2	< 0.5	28	747	< 1	46	3	129	1.48	6	< 10	72	< 0.5	< 2	2.52	15	78
F009724						1050																	
F009477						1050																	
1322043091	4.23	47.3	61.9	14.62		39	0.7	0.5	41	720	< 1	11	4	226	1.64	7	< 10	53	< 0.5	< 2	2.15	10	12
1322043089						70	0.8	0.6	28	733	< 1	13	11	243	1.50	8	< 10	53	< 0.5	< 2	1.77	10	12
GC22-0292-019	0.714	-7.54	18.8	26.39		242	0.3	< 0.5	221	343	3	7	2	44	3.13	10	< 10	22	< 0.5	< 2	1.67	6	6
1322043302	0.274	-35.0	13.2	48.24		69	0.4	< 0.5	15	859	< 1	8	39	132	1.91	48	< 10	36	< 0.5	< 2	2.52	7	4
1322043299	0.649	-14.3	26.4	40.63		74	0.6	< 0.5	17	739	< 1	6	34	106	1.90	23	< 10	34	< 0.5	< 2	1.48	7	6
1322043262	0.709	-12.7	30.9	43.61		152	0.7	0.8	29	836	< 1	13	34	302	2.29	35	< 10	34	< 0.5	< 2	1.83	9	10
1322043304	0.975	-0.926	36.7	37.60		137	0.4	< 0.5	24	888	< 1	6	48	109	1.68	39	< 10	30	< 0.5	< 2	1.92	7	4
1322043082						8	< 0.2	< 0.5	39	663	< 1	214	3	83	2.33	3	< 10	42	< 0.5	< 2	2.66	31	467
1322043134	11.1	43.1	47.4	4.26		13	< 0.2	< 0.5	33	670	< 1	196	2	110	2.35	5	< 10	60	< 0.5	< 2	2.65	29	412
1322043043	25.1	49.3	51.4	2.05		13	< 0.2	< 0.5	69	608	< 1	153	3	74	2.04	4	< 10	35	< 0.5	< 2	3.28	29	318
1322043048	2.60	18.1	29.4	11.30		76	0.8	1.2	65	755	1	11	13	412	1.57	7	< 10	62	< 0.5	< 2	1.66	9	11
1322043306	1.42	15.7	53.3	37.66		153	0.7	< 0.5	22	972	< 1	8	67	166	1.31	51	< 10	28	< 0.5	< 2	2.38	7	4
1316014111	0.422	-23.9	17.4	41.36		43	0.3	< 0.5	53	539	1	8	< 2	156	1.08	12	< 10	38	< 0.5	< 2	0.94	8	9
1316014098	0.443	-15.4	12.2	27.60		32	0.4	< 0.5	49	542	< 1	6	5	63	2.30	6	< 10	53	< 0.5	< 2	1.05	8	8
1316014114	0.636	-14.3	24.9	39.18		49	0.6	0.5	72	592	2	8	12	217	1.18	12	< 10	43	< 0.5	< 2	1.27	9	7
F009919						1060																	
F009934						1040																	
1316014013	0.431	-25.5	19.3	44.87		137	0.6	< 0.5	147	632	4	10	5	191	1.70	15	< 10	40	< 0.5	< 2	1.24	10	10
1316014010						157	0.8	1.9	154	859	3	8	10	585	2.02	16	< 10	54	< 0.5	< 2	1.95	9	8
1322043038	254	45.5	45.7	0.18		12	< 0.2	< 0.5	63	494	< 1	242	3	42	1.98	3	< 10	67	< 0.5	< 2	2.81	32	520
1322043012	54.6	46.6	47.5	0.87		9	< 0.2	< 0.5	103	642	< 1	47	2	80	3.01	6	< 10	24	< 0.5	< 2	3.03	37	23
1322043021	155	70.0	70.4	0.46		8	< 0.2	< 0.5	89	499	< 1	117	3	47	1.74	7	< 10	34	< 0.5	< 2	2.94	37	152
1316014034	0.444	-25.8	20.6	46.42		448	0.6	< 0.5	83	583	2	8	11	195	2.32	28	< 10	36	< 0.5	< 2	1.69	8	7
1316014059	0.276	-34.5	13.2	47.70		178	2.2	< 0.5	81	553	< 1	11	6	131	1.85	18	< 10	34	< 0.5	2	0.89	8	9
1316014061	0.315	-33.6	15.4	49.01		320	0.7	< 0.5	200	552	2	11	3	153	1.66	8	< 10	33	< 0.5	< 2	1.04	9	12
1322043024	5.61	61.2	74.4	13.26		7	< 0.2	< 0.5	11	583	< 1	9	3	105	1.01	< 2	< 10	53	< 0.5	< 2	2.10	8	11
1322043118	1.25	9.80	48.3	38.55		22	0.5	< 0.5	56	956	< 1	34	3	207	1.99	8	< 10	43	< 0.5	< 2	2.37	24	35
1315003418	0.632	-10.7	18.3	29.02		199	0.8	< 0.5	293	335	13	9	3	86	2.39	7	< 10	48	< 0.5	< 2	1.63	7	11
1315002184	0.899	-4.89	43.5	48.44		356	0.9	< 0.5	264	360	1	10	6	169	1.91	15	< 10	35	< 0.5	< 2	1.15	8	10
1322043122	8.11	41.4	47.2	5.82		6	< 0.2	< 0.5	19	562	< 1	10	5	101	1.40	3	< 10	47	< 0.5	< 2	2.13	11	13
1322043190	1.28	7.90	35.9	28.03		67	0.7	1.4	24	811	< 1	11	10	451	2.17	13	< 10	46	< 0.5	< 2	2.11	10	11
1316014027	0.0475	-175	8.71	183.31		96	0.6	< 0.5	67	399	< 1	14	5	58	1.23	9	< 10	12	< 0.5	6	0.52	10	7
1315002115	0.287	-36.7	14.7	51.39		914	0.4	< 0.5	274	302	1	6	3	38	2.28	7	< 10	38	< 0.5	< 2	1.09	8	8

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01		5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1432008151	0.304	-139	60.8	199.73		50	0.5	< 0.5	109	1630	< 1	46	2	210	2.07	29	< 10	15	< 0.5	2	1.61	37	29
F009917						337																	
F009937						340																	
1432008012	0.548	-68.3	82.9	151.18		57	0.5	0.8	167	1660	< 1	40	2	293	2.64	14	< 10	19	< 0.5	< 2	2.68	33	38
1316013015	3.12	35.2	51.8	16.57		48	< 0.2	< 0.5	22	573	< 1	46	< 2	62	2.80	4	< 10	57	< 0.5	< 2	2.44	15	119
1316013058	1.01	0.245	22.5	22.24		89	0.4	< 0.5	44	562	< 1	5	3	102	3.02	3	< 10	50	< 0.5	< 2	1.71	6	6
1315003168	0.993	-0.153	22.9	23.06		> 5000	2.3	< 0.5	472	344	2	8	4	56	3.45	24	< 10	40	< 0.5	< 2	2.11	9	7
1432008018	1.06	4.13	71.5	67.35		1210	4.9	0.7	159	1100	< 1	24	6	179	1.37	45	< 10	36	< 0.5	2	2.69	14	10
1315003138	1.55	6.04	17.1	11.03		223	0.4	< 0.5	141	343	8	10	< 2	77	3.00	4	< 10	50	< 0.5	< 2	1.76	5	7
1322043348	1.39	19.5	69.3	49.72		142	2.4	0.8	29	1100	1	7	247	283	0.66	57	< 10	42	< 0.5	< 2	2.92	7	4
1322043292	1.43	14.1	46.6	32.54		515	1.8	1.9	29	1060	< 1	6	25	518	1.12	41	< 10	37	< 0.5	< 2	2.09	7	4
1322043340	2.22	37.3	67.9	30.56		304	1.8	1.6	32	1150	< 1	6	63	483	1.10	53	< 10	31	< 0.5	< 2	2.90	7	4
1316013021	0.292	-29.3	12.1	41.37		246	1.5	< 0.5	219	527	1	3	3	149	2.23	9	< 10	51	< 0.5	2	1.15	7	4
1315003001	1.97	6.26	12.7	6.45		101	< 0.2	< 0.5	42	374	1	12	< 2	43	3.64	6	< 10	39	< 0.5	< 2	2.20	5	10
1322043229	1.73	6.82	16.2	9.41		29	0.4	0.7	29	960	< 1	10	56	479	2.22	7	< 10	64	< 0.5	< 2	1.43	10	6
1322043096	0.943	-1.92	31.9	33.84		168	2.6	1.6	52	626	< 1	9	391	594	1.39	21	< 10	32	< 0.5	< 2	1.58	8	7
1322043208	0.734	-11.2	31.0	42.19		145	0.8	0.8	24	748	< 1	8	83	301	1.38	42	< 10	37	< 0.5	< 2	1.64	7	7
1315003132	0.741	-3.75	10.7	14.49		177	0.4	< 0.5	149	217	6	5	2	39	2.25	11	< 10	21	< 0.5	< 2	1.09	5	6
1322043093	2.18	21.4	39.6	18.19		82	0.6	0.8	57	689	2	15	16	349	1.70	15	< 10	49	< 0.5	< 2	2.16	11	15
F009911						548																	
F009936						557																	
1432011120	1.07	5.77	93.6	87.84		91	0.6	< 0.5	81	851	3	29	4	74	1.13	8	< 10	27	< 0.5	3	3.04	19	8
1316015116	0.264	-39.6	14.2	53.83		68	< 0.2	< 0.5	21	310	< 1	14	3	21	2.60	5	< 10	35	< 0.5	< 2	1.74	11	14
1316015091	4.17	10.5	13.7	3.29		5	< 0.2	< 0.5	112	551	< 1	49	< 2	43	4.57	< 2	< 10	< 10	< 0.5	< 2	3.23	25	72
1432011063	0.705	-38.7	92.4	131.18		75	0.3	< 0.5	79	1110	2	55	4	112	2.78	9	< 10	21	< 0.5	2	3.44	33	74
1432015237	1.07	2.59	38.4	35.82		45	0.2	< 0.5	49	373	4	14	3	40	1.21	6	< 10	32	< 0.5	< 2	1.69	10	12
1316015011	0.0976	-65.7	7.11	72.83		744	0.8	< 0.5	145	415	< 1	11	2	52	2.37	10	< 10	31	< 0.5	11	0.92	7	10
1316015043	0.163	-52.5	10.2	62.75		41	0.2	< 0.5	50	390	1	8	5	56	2.39	26	< 10	32	< 0.5	< 2	1.50	8	8
1432011090	1.28	23.7	109	85.64		26	0.2	< 0.5	90	1550	< 1	59	< 2	107	3.24	3	< 10	19	< 0.5	< 2	3.93	30	119
1316015001	0.231	-24.9	7.49	32.38		111	0.2	0.6	76	392	< 1	7	29	226	2.93	3	< 10	35	< 0.5	< 2	1.14	8	6
1316015030	0.736	-1.70	4.75	6.45		30	< 0.2	< 0.5	36	294	< 1	10	< 2	68	2.98	5	< 10	19	< 0.5	< 2	0.76	7	10
1316008003	0.483	-21.1	19.7	40.77		58	0.4	< 0.5	77	601	< 1	8	5	280	3.76	10	< 10	48	< 0.5	< 2	2.22	8	8
1316008017	0.406	-17.2	11.7	28.90		588	0.2	< 0.5	78	438	< 1	6	5	68	3.44	6	< 10	40	< 0.5	2	1.29	8	6
1316015078	0.313	-44.4	20.2	64.61		44	< 0.2	< 0.5	64	308	< 1	12	2	30	1.69	19	< 10	27	< 0.5	< 2	1.24	9	6
1316008035	0.283	-22.1	8.75	30.88		171	0.2	< 0.5	99	544	< 1	9	3	58	3.53	6	< 10	48	< 0.5	< 2	2.14	7	11
1316015041	0.176	-52.4	11.2	63.57		63	< 0.2	< 0.5	35	357	< 1	9	3	109	3.37	9	< 10	34	< 0.5	< 2	1.83	8	8
1316008061	0.140	-79.9	13.0	92.87		88	0.3	< 0.5	150	394	4	9	6	66	2.86	20	< 10	30	< 0.5	5	1.55	7	9
1315002211	0.252	-123	41.5	164.29		2340	2.7	< 0.5	710	818	2	65	9	127	3.40	57	< 10	20	< 0.5	7	1.97	26	100
F009974						349																	
F009957						352																	
1432014026	1.30	22.9	99.0	76.13		238	1.4	0.6	303	1410	< 1	58	< 2	164	3.33	17	< 10	18	< 0.5	< 2	3.83	37	22
1432014024	4.36	71.5	92.8	21.26		36	0.8	< 0.5	347	1430	< 1	74	< 2	158	3.46	11	< 10	< 10	< 0.5	< 2	3.63	47	20
1432013037	1.78	41.9	95.4	53.49		71	0.3	0.7	43	1270	< 1	29	3	225	1.90	14	< 10	42	< 0.5	2	2.88	20	17
1432014090	1.82	33.6	74.7	41.10		129	0.9	0.8	84	1190	< 1	41	4	219	2.82	22	< 10	40	< 0.5	< 2	3.59	27	47
1316007056	0.182	-62.3	13.8	76.16		322	1.3	< 0.5	305	468	2	10	4	50	2.08	9	< 10	27	< 0.5	3	1.24	8	8
1315096052	0.232	-29.0	8.73	37.68		59	0.3	< 0.5	37	495	< 1	9	< 2	129	1.82	9	< 10	44	< 0.5	< 2	0.93	10	10
1432014165	1.14	14.6	117	102.51		191	1.1	< 0.5	48	2090	< 1	54	< 2	212	3.12	34	< 10	18	< 0.5	< 2	3.29	32	46
1432014086	0.646	-41.0	74.9	115.82		872	2.2	< 0.5	110	1360	1	31	7	162	2.91	53	< 10	19	< 0.5	< 2	2.73	29	28
1316007050	0.207	-45.9	12.0	57.89		104	0.6	< 0.5	110	451	1	9	4	55	1.63	10	< 10	31	< 0.5	< 2	0.94	9	9

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1323062003	2.08	< 10	< 1	0.33	16	0.63	0.027	0.046	1.69	< 2	< 1	23	0.01	< 1	< 2	< 10	8	< 10	1	12	0.43	1.57	Slight
GC22-0264-010	2.50	< 10	< 1	0.22	14	1.32	0.025	0.046	1.02	< 2	< 1	25	0.04	1	< 2	< 10	8	< 10	2	15	0.14	1.02	Slight
GC22-0265-019	2.40	< 10	< 1	0.20	12	0.89	0.072	0.046	2.13	< 2	< 1	41	0.05	2	< 2	< 10	11	< 10	2	21	0.17	2.14	Slight
GC22-0265-002	3.01	< 10	< 1	0.23	13	0.92	0.018	0.045	1.48	2	< 1	12	0.04	< 1	< 2	< 10	7	< 10	2	15	0.08	1.55	None
1323062022	1.89	< 10	< 1	0.27	15	0.49	0.028	0.043	1.52	< 2	< 1	21	< 0.01	< 1	< 2	< 10	6	< 10	2	14	0.77	1.53	Slight
GC22-0263-011	2.54	< 10	< 1	0.23	12	0.77	0.040	0.040	2.15	2	< 1	37	0.02	2	< 2	< 10	6	< 10	2	27	0.10	2.10	None
GC22-0266-001	3.45	< 10	< 1	0.24	10	0.56	0.099	0.035	2.79	< 2	< 1	70	< 0.01	< 1	< 2	< 10	6	< 10	2	19	0.11	2.85	None
1323062049	1.83	< 10	< 1	0.21	11	0.51	0.024	0.042	1.81	2	< 1	22	< 0.01	< 1	< 2	< 10	3	< 10	2	15	0.88	1.85	Slight
GC22-0266-011	1.73	10	1	0.14	< 10	1.13	0.287	0.041	0.87	2	1	219	< 0.01	2	< 2	< 10	15	< 10	2	11	0.11	0.89	None
GC22-0269-001	3.14	< 10	< 1	0.12	< 10	0.70	0.111	0.036	2.49	2	< 1	85	< 0.01	2	< 2	< 10	6	< 10	2	22	0.11	2.59	Slight
F009611																							
F009602																							
1323062087	1.97	< 10	< 1	0.24	14	0.79	0.088	0.042	1.23	2	< 1	34	0.02	< 1	< 2	< 10	10	< 10	2	18	0.42	1.26	Slight
1323062144	2.46	< 10	< 1	0.38	19	1.07	0.215	0.054	0.40	< 2	2	128	0.11	< 1	< 2	< 10	32	< 10	3	12	0.29	0.43	Slight
GC22-0277-012	1.19	< 10	< 1	0.20	11	0.86	0.179	0.039	0.48	< 2	1	118	< 0.01	< 1	< 2	< 10	10	< 10	2	11	0.03	0.51	None
GC22-0277-001	2.03	< 10	< 1	0.18	14	0.90	0.100	0.039	0.96	< 2	1	104	< 0.01	< 1	< 2	< 10	13	< 10	2	14	0.12	0.99	Slight
1323062055	1.83	< 10	< 1	0.30	15	0.71	0.106	0.044	1.14	< 2	< 1	43	< 0.01	< 1	< 2	< 10	7	< 10	2	14	0.55	1.14	Slight
1323062234	2.18	< 10	< 1	0.27	18	0.97	0.051	0.052	0.33	< 2	2	31	0.08	< 1	< 2	< 10	22	< 10	3	13	0.56	0.31	Slight
GC22-0278-001	2.77	< 10	< 1	0.22	15	1.09	0.079	0.039	0.99	2	1	78	0.01	1	< 2	< 10	12	< 10	3	14	0.32	0.98	Slight
GC22-0279-018	2.92	< 10	< 1	0.18	< 10	1.84	0.054	0.042	1.83	< 2	< 1	33	0.05	< 1	< 2	< 10	11	< 10	2	29	0.06	1.89	None
GC22-0278-013	2.82	< 10	< 1	0.22	12	1.52	0.076	0.045	1.02	3	1	54	0.02	< 1	< 2	< 10	12	< 10	2	25	0.05	1.07	None
GC22-0281-008	3.47	< 10	< 1	0.13	11	0.99	0.101	0.029	2.34	< 2	1	93	< 0.01	4	< 2	< 10	12	< 10	2	21	0.11	2.34	None
GC22-0279-001	2.86	< 10	< 1	0.17	< 10	1.15	0.099	0.034	0.88	< 2	1	83	0.02	< 1	< 2	< 10	15	< 10	2	21	0.14	0.97	Slight
GC22-0280-010	2.00	10	< 1	0.19	< 10	1.24	0.150	0.038	0.56	< 2	1	140	0.02	< 1	< 2	< 10	17	< 10	2	10	0.14	0.59	Slight
GC22-0281-001	2.93	< 10	< 1	0.16	10	0.61	0.131	0.038	1.99	< 2	< 1	95	0.01	< 1	< 2	< 10	7	< 10	2	22	0.08	1.98	None
1323062270	3.06	< 10	< 1	0.20	< 10	3.01	0.161	0.050	0.09	3	9	79	0.13	< 1	< 2	< 10	71	< 10	3	9	0.69	0.11	Slight
GC22-0282-019	2.26	< 10	< 1	0.16	14	0.90	0.242	0.039	1.54	< 2	1	112	0.01	< 1	< 2	< 10	12	< 10	2	26	0.14	1.57	Slight
GC22-0283-007	1.73	< 10	< 1	0.16	20	0.69	0.235	0.043	0.63	2	< 1	128	< 0.01	2	< 2	< 10	9	< 10	3	8	0.20	0.65	Slight
GC22-0282-012	1.89	< 10	< 1	0.13	20	0.76	0.167	0.044	0.92	< 2	2	81	< 0.01	4	< 2	< 10	15	< 10	2	15	0.18	0.96	Slight
F009608																							
F009582																							
GC22-0243-005	2.09	< 10	< 1	0.20	< 10	0.34	0.074	0.037	1.57	< 2	< 1	50	< 0.01	4	< 2	< 10	5	< 10	2	19	0.02	1.61	None
GC22-0242-004	3.12	< 10	< 1	0.19	< 10	0.77	0.244	0.038	1.74	2	< 1	153	< 0.01	4	< 2	< 10	7	< 10	2	19	0.11	1.84	None
GC22-0241-013	1.60	10	< 1	0.43	10	1.37	0.410	0.039	0.38	< 2	2	459	0.03	4	< 2	< 10	23	< 10	2	22	0.32	0.41	Slight
1318086089	2.07	< 10	< 1	0.18	13	0.74	0.173	0.046	1.79	2	< 1	63	0.03	< 1	< 2	< 10	6	< 10	2	17	0.43	1.62	None
GC22-0254-018	2.13	< 10	< 1	0.14	15	1.06	0.211	0.051	1.51	< 2	1	117	< 0.01	< 1	< 2	< 10	15	< 10	2	19	0.12	1.53	Slight
GC22-0243-002	3.75	< 10	< 1	0.23	< 10	0.65	0.128	0.034	2.54	2	< 1	71	< 0.01	< 1	< 2	< 10	6	< 10	2	26	0.06	2.54	None
GC22-0254-002	2.32	< 10	< 1	0.17	< 10	0.36	0.070	0.038	1.72	< 2	< 1	51	< 0.01	1	< 2	< 10	6	< 10	2	20	0.02	1.69	None
GC22-0255-018	2.28	< 10	< 1	0.12	11	0.82	0.149	0.038	1.39	< 2	1	112	0.01	2	< 2	< 10	11	< 10	2	18	0.09	1.44	Slight
GC22-0257-013	2.34	< 10	< 1	0.15	11	0.91	0.211	0.040	1.46	< 2	1	176	< 0.01	3	< 2	< 10	12	< 10	2	16	0.16	1.47	Slight
1318086029	2.43	< 10	< 1	0.21	14	0.71	0.035	0.045	2.23	< 2	< 1	22	< 0.01	< 1	< 2	< 10	5	< 10	2	16	0.70	2.20	Slight
GC22-0255-001	2.78	< 10	< 1	0.15	10	0.68	0.175	0.039	1.43	< 2	< 1	71	0.01	4	< 2	< 10	7	< 10	2	19	0.07	1.30	None
1323067020	6.72	10	< 1	0.26	< 10	1.26	0.173	0.067	0.92	5	11	49	0.20	2	< 2	< 10	150	< 10	8	11	0.47	1.00	Slight
1316006044	2.98	< 10	< 1	0.18	14	1.11	0.140	0.046	2.48	< 2	2	76	0.03	6	< 2	< 10	16	< 10	3	26	0.20	2.48	None
1318086020	2.33	< 10	< 1	0.20	13	0.82	0.095	0.046	1.99	< 2	< 1	42	< 0.01	< 1	< 2	< 10	6	< 10	2	18	0.61	1.91	Slight
GC22-0258-011	1.96	< 10	< 1	0.31	13	0.92	0.023	0.041	1.59	2	< 1	34	< 0.01	< 1	< 2	< 10	6	< 10	1	19	0.53	1.55	Slight
GC22-0256-019	2.42	< 10	< 1	0.12	12	0.75	0.119	0.040	1.88	< 2	1	93	< 0.01	1	< 2	< 10	12	< 10	2	18	0.06	1.96	None
GC22-0256-002	3.15	< 10	< 1	0.19	< 10	0.61	0.091	0.036	1.67	< 2	< 1	51	0.03	4	< 2	< 10	7	< 10	2	20	0.08	1.70	None
1316006015	3.87	< 10	< 1	0.16	21	1.38	0.157	0.060	2.73	2	2	154	0.05	< 1	< 2	< 10	27	< 10	4	23	0.15	2.82	None
F009614																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
F009601																							
1323062280	1.78	< 10	< 1	0.24	15	0.91	0.047	0.050	0.64	< 2	1	53	0.05	< 1	< 2	< 10	15	< 10	2	9	0.46	0.66	Slight
1323062052	1.80	< 10	< 1	0.24	14	0.59	0.052	0.041	1.56	3	< 1	29	< 0.01	< 1	< 2	< 10	4	< 10	2	14	0.76	1.54	slight
GC22-0285-020	1.97	10	< 1	0.22	< 10	1.26	0.183	0.044	0.47	< 2	2	203	0.02	6	< 2	< 10	25	< 10	2	18	0.13	0.51	none
GC22-0289-019	1.24	10	2	0.15	< 10	1.08	0.170	0.041	0.18	< 2	2	178	< 0.01	2	< 2	< 10	18	< 10	2	8	0.14	0.19	slight
GC22-0284-002	5.02	< 10	< 1	0.23	11	1.12	0.106	0.047	3.17	3	2	89	< 0.01	2	< 2	< 10	19	< 10	4	24	0.09	3.26	none
GC22-0286-001	2.51	< 10	< 1	0.17	10	0.49	0.155	0.038	1.67	< 2	< 1	110	< 0.01	< 1	< 2	< 10	6	< 10	2	20	0.06	1.71	none
GC22-0284-019	3.87	< 10	< 1	0.14	11	1.18	0.100	0.040	2.13	4	2	90	0.01	3	< 2	< 10	23	< 10	3	25	0.08	2.22	none
GC22-0288-019	2.55	< 10	< 1	0.14	11	0.99	0.103	0.040	1.79	2	2	85	0.02	2	< 2	< 10	16	< 10	3	23	0.07	1.79	none
GC22-0287-018	2.20	< 10	< 1	0.23	11	0.59	0.114	0.040	1.33	< 2	< 1	72	< 0.01	3	< 2	< 10	6	< 10	2	13	0.09	1.32	none
1323066010	2.89	< 10	< 1	0.35	22	1.23	0.075	0.074	0.48	< 2	3	108	0.11	< 1	< 2	< 10	46	< 10	4	22	0.54	0.49	slight
GC22-0287-001	2.41	< 10	< 1	0.15	11	1.35	0.086	0.048	1.02	4	1	76	< 0.01	< 1	< 2	< 10	9	< 10	2	16	0.17	1.05	slight
GC22-0290-003	2.49	< 10	< 1	0.17	< 10	0.65	0.191	0.036	1.26	2	< 1	163	0.01	< 1	< 2	< 10	7	< 10	2	18	0.06	1.31	none
1323066162	2.70	< 10	< 1	0.25	18	1.36	0.061	0.064	0.65	3	4	87	0.10	< 1	2	< 10	45	< 10	4	16	0.73	0.71	slight
F009724																							
F009477																							
1322043091	2.07	< 10	< 1	0.24	14	0.87	0.066	0.044	0.58	< 2	2	41	0.09	2	< 2	< 10	21	< 10	3	13	0.43	0.62	slight
1322043089	2.38	< 10	< 1	0.28	12	0.80	0.066	0.041	0.69	< 2	2	33	0.10	< 1	< 2	< 10	24	< 10	3	15	0.37	0.73	slight
GC22-0292-019	2.73	< 10	< 1	0.13	< 10	1.16	0.108	0.041	0.98	< 2	1	86	0.02	1	< 2	< 10	15	< 10	2	15	0.14	0.99	none
1322043302	2.32	< 10	< 1	0.25	14	1.03	0.071	0.039	1.66	< 2	< 1	39	< 0.01	6	< 2	< 10	10	< 10	2	21	0.58	1.71	slight
1322043299	2.03	< 10	< 1	0.23	15	0.90	0.088	0.042	1.47	2	< 1	40	< 0.01	2	< 2	< 10	10	< 10	2	22	0.25	1.49	slight
1322043262	2.21	< 10	< 1	0.24	16	1.06	0.154	0.044	1.55	< 2	1	70	0.01	< 1	< 2	< 10	12	< 10	2	22	0.28	1.57	slight
1322043304	1.90	< 10	< 1	0.22	14	0.94	0.064	0.042	1.36	< 2	< 1	36	< 0.01	< 1	< 2	< 10	8	< 10	2	18	0.44	1.35	slight
1322043082	3.29	< 10	< 1	0.17	< 10	3.04	0.168	0.049	0.14	3	10	68	0.14	< 1	2	< 10	76	< 10	3	10	0.45	0.16	slight
1322043134	3.38	< 10	< 1	0.23	11	2.86	0.151	0.057	0.24	3	9	76	0.14	< 1	< 2	< 10	72	< 10	4	11	0.51	0.27	slight
1322043043	3.08	< 10	< 1	0.13	< 10	2.44	0.171	0.042	0.22	2	12	87	0.14	< 1	< 2	< 10	76	< 10	4	10	0.58	0.24	slight
1322043048	2.15	< 10	< 1	0.34	15	0.84	0.072	0.044	0.49	< 2	2	35	0.10	< 1	< 2	< 10	20	< 10	3	15	0.37	0.51	slight
1322043306	1.86	< 10	< 1	0.20	14	0.88	0.047	0.041	1.43	< 2	< 1	31	< 0.01	< 1	< 2	< 10	7	< 10	2	18	0.65	1.42	slight
1316014111	2.28	< 10	< 1	0.21	11	0.87	0.059	0.045	1.58	2	2	28	0.01	< 1	< 2	< 10	14	< 10	2	28	0.29	1.50	slight
1316014098	2.78	< 10	< 1	0.13	20	0.86	0.180	0.055	1.04	< 2	2	80	0.05	7	< 2	< 10	14	< 10	2	15	0.13	1.02	none
1316014114	2.24	< 10	< 1	0.22	13	0.69	0.074	0.049	1.47	< 2	1	43	0.03	< 1	< 2	< 10	15	< 10	2	23	0.31	1.47	slight
F009919																							
F009934																							
1316014013	2.49	< 10	< 1	0.30	14	0.89	0.145	0.049	1.71	2	2	75	0.03	< 1	< 2	< 10	17	< 10	2	23	0.30	1.66	none
1316014010	2.37	< 10	< 1	0.24	13	1.03	0.146	0.046	1.35	< 2	2	101	0.04	< 1	< 2	< 10	15	< 10	2	19	0.39	1.33	slight
1322043038	2.83	< 10	< 1	0.16	< 10	2.97	0.197	0.042	0.10	3	12	78	0.11	6	< 2	< 10	66	< 10	3	10	0.48	0.12	slight
1322043012	4.07	< 10	< 1	0.10	< 10	2.66	0.110	0.037	0.20	< 2	9	130	0.16	< 1	< 2	< 10	115	< 10	2	7	0.53	0.23	Slight
1322043021	2.45	< 10	< 1	0.10	< 10	2.01	0.134	0.042	0.14	2	10	84	0.11	< 1	< 2	< 10	61	18	3	7	0.55	0.16	Slight
1316014034	2.78	< 10	< 1	0.17	12	0.84	0.207	0.041	1.71	< 2	1	149	0.02	< 1	< 2	< 10	12	< 10	2	19	0.28	1.73	none
1316014059	3.01	< 10	< 1	0.18	14	0.74	0.136	0.043	1.74	< 2	1	58	0.04	< 1	< 2	< 10	13	< 10	2	29	0.16	1.72	none
1316014061	2.64	< 10	< 1	0.25	12	0.82	0.142	0.043	1.84	< 2	2	67	0.04	< 1	< 2	< 10	17	< 10	2	28	0.15	1.77	none
1322043024	2.14	< 10	< 1	0.17	15	0.68	0.060	0.046	0.60	< 2	1	36	0.05	< 1	< 2	< 10	17	< 10	3	11	0.60	0.61	Slight
1322043118	6.74	< 10	< 1	0.33	< 10	0.91	0.135	0.062	1.50	3	9	58	0.16	< 1	< 2	< 10	133	< 10	7	19	0.60	1.61	Slight
1315003418	2.36	< 10	< 1	0.14	12	0.93	0.234	0.038	1.15	< 2	1	171	0.02	< 1	< 2	< 10	16	< 10	2	19	0.22	1.13	none
1315002184	2.84	< 10	< 1	0.17	14	1.24	0.135	0.044	1.92	2	< 1	86	< 0.01	2	< 2	< 10	10	< 10	2	27	0.20	1.80	Slight
1322043122	3.28	< 10	< 1	0.18	14	0.61	0.084	0.056	0.32	< 2	3	43	0.06	< 1	< 2	< 10	49	< 10	3	12	0.58	0.34	Slight
1322043190	3.20	< 10	< 1	0.20	13	0.80	0.190	0.045	1.13	< 2	2	112	0.07	1	< 2	< 10	28	< 10	4	16	0.44	1.13	Slight
1316014027	6.12	< 10	< 1	0.16	13	0.91	0.046	0.045	6.18	2	< 1	29	< 0.01	< 1	< 2	< 10	6	< 10	2	35	0.13	6.24	none
1315002115	2.64	< 10	< 1	0.13	20	1.03	0.184	0.056	1.79	< 2	1	122	< 0.01	2	< 2	< 10	12	< 10	3	22	0.18	1.86	none
1432008151	8.79	< 10	< 1	0.11	< 10	1.98	0.048	0.082	7.11	4	6	26	< 0.01	3	< 2	< 10	56	< 10	5	13	1.01	7.79	none

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
F009917																							
F009937																							
1432008012	9.03	< 10	< 1	0.13	< 10	2.13	0.061	0.072	6.04	3	9	38	< 0.01	2	< 2	< 10	81	< 10	7	12	1.39	6.58	none
1316013015	3.00	< 10	< 1	0.33	37	1.90	0.106	0.106	0.69	< 2	5	257	0.04	2	< 2	< 10	39	< 10	4	5	0.62	0.72	Slight
1316013058	3.29	< 10	< 1	0.20	13	1.11	0.127	0.040	0.76	< 2	1	117	0.04	3	< 2	< 10	14	< 10	2	17	0.24	0.83	slight
1315003168	1.98	10	< 1	0.12	13	1.30	0.306	0.049	0.86	< 2	2	191	< 0.01	3	< 2	< 10	19	< 10	2	13	0.22	0.91	slight
1432008018	3.92	< 10	< 1	0.18	10	1.21	0.053	0.058	2.60	< 2	1	35	< 0.01	4	< 2	< 10	14	< 10	3	14	1.13	2.57	none
1315003138	1.66	< 10	< 1	0.19	12	1.26	0.189	0.043	0.41	2	1	142	0.02	2	< 2	< 10	17	< 10	2	16	0.17	0.44	slight
1322043348	1.88	< 10	< 1	0.32	11	0.20	0.020	0.042	1.89	3	< 1	71	< 0.01	< 1	< 2	< 10	4	< 10	2	14	0.88	1.84	slight
1322043292	1.74	< 10	< 1	0.31	14	0.74	0.022	0.043	1.28	< 2	< 1	19	< 0.01	< 1	< 2	< 10	6	< 10	1	8	0.59	1.20	slight
1322043340	1.74	< 10	< 1	0.25	16	0.81	0.024	0.041	1.19	< 2	< 1	28	< 0.01	< 1	< 2	< 10	5	< 10	1	8	0.84	1.18	slight
1316013021	3.43	< 10	< 1	0.25	< 10	0.89	0.064	0.035	1.52	< 2	< 1	52	0.04	< 1	< 2	< 10	9	< 10	2	23	0.10	1.42	none
1315003001	1.64	< 10	< 1	0.18	< 10	0.95	0.294	0.040	0.29	< 2	1	219	< 0.01	2	< 2	< 10	14	< 10	2	11	0.19	0.30	slight
1322043229	2.39	< 10	< 1	0.26	25	1.04	0.035	0.059	0.39	2	2	48	0.08	< 1	< 2	< 10	20	< 10	3	12	0.16	0.40	none
1322043096	2.01	< 10	< 1	0.23	15	0.72	0.047	0.042	1.14	< 2	< 1	24	0.05	< 1	< 2	< 10	12	< 10	2	16	0.37	1.28	slight
1322043208	2.07	< 10	< 1	0.27	15	0.81	0.038	0.043	1.45	2	< 1	24	0.04	< 1	< 2	< 10	11	< 10	2	16	0.40	1.51	slight
1315003132	1.23	< 10	< 1	0.09	< 10	0.84	0.158	0.042	0.55	< 2	1	132	< 0.01	1	< 2	< 10	11	< 10	2	18	0.09	0.54	none
1322043093	2.55	< 10	< 1	0.25	19	0.86	0.085	0.053	0.75	2	2	46	0.08	1	< 2	< 10	19	< 10	4	14	0.48	0.76	slight
F009911																							
F009936																							
1432011120	4.35	< 10	< 1	0.18	17	1.48	0.065	0.064	3.86	3	2	55	< 0.01	< 1	< 2	< 10	15	< 10	4	23	1.49	3.84	slight
1316015116	3.33	< 10	< 1	0.34	12	1.13	0.101	0.043	1.99	< 2	3	52	0.09	3	< 2	< 10	29	< 10	2	27	0.12	1.96	none
1316015091	4.41	< 10	< 1	0.02	< 10	1.90	0.403	0.023	0.14	< 2	5	64	0.25	2	< 2	< 10	126	< 10	3	5	0.11	0.18	none
1432011063	7.61	< 10	< 1	0.11	< 10	2.23	0.064	0.052	4.98	3	5	46	< 0.01	< 1	< 2	< 10	71	< 10	5	14	1.16	5.24	slight
1432015237	2.33	< 10	< 1	0.10	13	0.97	0.057	0.047	1.31	< 2	2	28	< 0.01	2	< 2	< 10	17	< 10	3	10	0.50	1.31	slight
1316015011	4.00	< 10	< 1	0.16	10	1.02	0.084	0.035	2.50	< 2	1	84	0.02	2	< 2	< 10	10	< 10	2	34	0.08	2.52	none
1316015043	2.60	< 10	< 1	0.18	13	0.90	0.147	0.043	2.18	< 2	< 1	135	0.02	< 1	< 2	< 10	9	< 10	2	26	0.08	2.18	none
1432011090	8.11	10	< 1	0.07	< 10	2.61	0.053	0.053	3.04	4	10	35	< 0.01	< 1	< 2	< 10	176	< 10	5	7	1.41	3.23	slight
1316015001	2.87	< 10	< 1	0.11	15	0.94	0.125	0.050	1.09	< 2	1	142	< 0.01	3	< 2	< 10	12	< 10	2	17	0.07	1.15	none
1316015030	2.04	< 10	< 1	0.08	14	1.04	0.067	0.041	0.24	< 2	1	69	< 0.01	< 1	< 2	< 10	14	< 10	2	8	0.13	0.26	none
1316008003	2.91	< 10	< 1	0.18	15	0.96	0.208	0.052	1.44	< 2	1	166	< 0.01	< 1	< 2	< 10	14	< 10	2	12	0.15	1.48	slight
1316008017	3.44	< 10	< 1	0.13	15	1.01	0.146	0.055	1.03	2	1	164	0.02	< 1	< 2	< 10	15	< 10	2	13	0.09	1.08	none
1316015078	2.72	< 10	< 1	0.16	15	0.99	0.067	0.047	2.17	< 2	2	62	0.04	2	< 2	< 10	15	< 10	2	26	0.19	2.31	none
1316008035	2.95	< 10	< 1	0.15	12	1.03	0.208	0.045	1.11	< 2	1	154	< 0.01	< 1	< 2	< 10	13	< 10	2	13	0.21	1.14	none
1316015041	3.16	< 10	< 1	0.19	14	1.10	0.277	0.045	2.17	< 2	1	189	< 0.01	< 1	< 2	< 10	11	< 10	2	18	0.23	2.26	none
1316008061	3.85	< 10	< 1	0.20	13	1.15	0.168	0.039	2.94	2	1	168	0.02	< 1	< 2	< 10	12	< 10	2	28	0.21	3.30	none
1315002211	8.75	10	< 1	0.18	< 10	2.59	0.169	0.066	6.14	3	10	113	0.07	3	< 2	< 10	112	< 10	5	27	0.62	6.62	slight
F009974																							
F009957																							
1432014026	9.55	10	< 1	0.07	< 10	2.77	0.055	0.043	2.60	2	13	45	0.06	< 1	< 2	< 10	335	< 10	5	7	1.35	2.97	slight
1432014024	11.1	10	< 1	0.02	< 10	3.22	0.028	0.045	0.88	4	12	34	0.05	< 1	3	< 10	445	< 10	4	4	1.19	1.00	slight
1432013037	4.61	< 10	< 1	0.22	31	1.90	0.063	0.089	1.96	3	4	41	0.02	< 1	< 2	< 10	39	< 10	5	19	1.53	2.06	slight
1432014090	6.36	< 10	< 1	0.22	< 10	1.71	0.139	0.059	1.71	3	8	78	0.10	< 1	< 2	< 10	113	< 10	6	18	1.32	1.85	slight
1316007056	3.50	< 10	< 1	0.21	< 10	0.73	0.226	0.037	2.66	< 2	1	109	0.02	< 1	< 2	< 10	14	< 10	2	49	0.19	2.73	none
1315096052	2.94	< 10	< 1	0.15	16	1.24	0.087	0.054	1.32	< 2	2	46	0.03	< 1	< 2	< 10	25	< 10	3	28	0.21	1.37	none
1432014165	9.49	10	< 1	0.15	< 10	2.76	0.105	0.066	4.41	4	10	61	0.09	< 1	< 2	< 10	135	< 10	8	13	2.04	5.40	slight
1432014086	9.02	10	< 1	0.15	< 10	1.72	0.166	0.076	4.39	6	11	72	0.10	6	< 2	< 10	139	< 10	7	11	1.12	5.13	slight
1316007050	2.75	< 10	< 1	0.15	12	0.65	0.157	0.042	1.98	< 2	1	75	0.01	5	< 2	< 10	11	< 10	2	24	0.24	2.04	none

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1323062003	9.27	
GC22-0264-010	9.36	
GC22-0265-019	9.19	
GC22-0265-002	9.16	
1323062022	9.23	
GC22-0263-011	8.95	
GC22-0266-001	8.73	
1323062049	9.03	
GC22-0266-011	9.16	
GC22-0269-001	8.73	
F009611		
F009602		
1323062087	9.30	
1323062144	9.61	
GC22-0277-012	9.61	
GC22-0277-001	9.07	
1323062055	9.17	
1323062234	9.69	
GC22-0278-001	9.02	
GC22-0279-018	8.97	
GC22-0278-013	9.23	
GC22-0281-008	8.58	
GC22-0279-001	8.90	
GC22-0280-010	9.36	
GC22-0281-001	8.70	
1323062270	9.60	
GC22-0282-019	9.33	
GC22-0283-007	9.36	
GC22-0282-012	9.15	
F009608		
F009582		
GC22-0243-005	8.91	
GC22-0242-004	8.80	
GC22-0241-013	9.70	
1318086089	8.98	
GC22-0254-018	9.30	
GC22-0243-002	8.68	
GC22-0254-002	8.69	6.45
GC22-0255-018	9.03	
GC22-0257-013	9.10	
1318086029	9.01	
GC22-0255-001	8.89	
1323067020	9.05	
1316006044	8.73	
1318086020	8.88	
GC22-0258-011	9.46	
GC22-0256-019	8.96	
GC22-0256-002	8.66	
1316006015	8.65	

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
F009614		
F009601		
1323062280	9.47	
1323062052	9.23	
GC22-0285-020	9.18	
GC22-0289-019	9.50	
GC22-0284-002	8.39	
GC22-0286-001	8.65	
GC22-0284-019	8.66	
GC22-0288-019	8.96	
GC22-0287-018	9.13	
1323066010	9.63	
GC22-0287-001	9.23	
GC22-0290-003	8.90	
1323066162	9.40	
F009724		
F009477		
1322043091	9.57	
1322043089	9.70	
GC22-0292-019	9.16	
1322043302	9.26	
1322043299	9.00	
1322043262	9.32	
1322043304	9.29	
1322043082	9.59	
1322043134	9.61	
1322043043	9.59	
1322043048	9.47	
1322043306	9.10	
1316014111	8.99	
1316014098	8.69	
1316014114	8.96	
F009919		
F009934		
1316014013	8.72	
1316014010	8.92	
1322043038	9.37	
1322043012	9.13	
1322043021	9.46	
1316014034	8.41	
1316014059	8.47	
1316014061	8.84	
1322043024	9.49	
1322043118	8.99	
1315003418	8.92	
1315002184	8.80	
1322043122	9.52	
1322043190	8.91	
1316014027	7.38	
1315002115	8.50	

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1432008151	7.67	
F009917		
F009937		
1432008012	7.97	
1316013015	8.39	
1316013058	8.88	
1315003168	9.25	17.1
1432008018	8.51	
1315003138	9.22	
1322043348	8.92	
1322043292	8.99	
1322043340	9.11	
1316013021	8.88	
1315003001	9.34	
1322043229	9.31	
1322043096	8.87	
1322043208	8.68	
1315003132	9.05	
1322043093	9.16	
F009911		
F009936		
1432011120	8.61	
1316015116	8.75	
1316015091	8.98	
1432011063	8.36	
1432015237	9.14	
1316015011	8.26	
1316015043	8.66	
1432011090	8.58	
1316015001	8.66	
1316015030	8.90	
1316008003	8.79	
1316008017	8.58	
1316015078	8.26	
1316008035	8.85	
1316015041	8.34	
1316008061	8.08	
1315002211	8.01	
F009974		
F009957		
1432014026	8.48	
1432014024	8.82	
1432013037	8.93	
1432014090	8.29	
1316007056	8.54	
1315096052	8.95	
1432014165	8.24	
1432014086	8.19	
1316007050	8.73	

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit				0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Method Code	Calc	Calc	TITR	Calc	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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BaSO4 Cert																							
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BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas						39.3		> 10000				290	1150						< 2		105		
OREAS 98 (Aqua Regia) Cert						42.8		147000				343	1300						90		111		
OREAS 98 (Aqua Regia) Meas						40.5		> 10000				295	1190						< 2		108		
OREAS 98 (Aqua Regia) Cert						42.8		147000				343	1300						90		111		
OREAS 98 (Aqua Regia) Meas						38.0		> 10000				287	1170						55		102		
OREAS 98 (Aqua Regia) Cert						42.8		147000				343	1300						93		111		
OREAS 98 (Aqua Regia) Meas						40.0		> 10000				296	1160						27		104		
OREAS 98 (Aqua Regia) Cert						42.8		147000				343	1300						93		111		
OREAS 98 (Aqua Regia) Meas						39.9		> 10000				296	1180						53		104		
OREAS 98 (Aqua Regia) Cert						42.8		147000				343	1300						93		111		
OREAS 98 (Aqua Regia) Meas						40.0		> 10000				291	1140						43		104		
OREAS 98 (Aqua Regia) Cert						42.8		147000				343	1300						93		111		
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit				0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Method Code	Calc	Calc	TITR	Calc	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
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SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas						0.8	< 0.5	2130	766	< 1	32	64	264	2.56	4		69	0.7	8	0.41	19	45	5.01
OREAS 922 (AQUA REGIA) Cert						0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05
OREAS 922 (AQUA REGIA) Meas						0.7	< 0.5	2160	781	< 1	34	68	265	2.60	5		67	0.7	3	0.40	19	45	5.15
OREAS 922 (AQUA REGIA) Cert						0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05
OREAS 922 (AQUA REGIA) Meas						0.8	< 0.5	2270	837	< 1	34	63	256	2.67	5		71	0.8	3	0.42	20	45	5.27
OREAS 922 (AQUA REGIA) Cert						0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05
OREAS 922 (AQUA REGIA) Meas						0.8	< 0.5	2250	810	< 1	33	74	266	2.76	5		72	0.7	7	0.42	20	45	5.48

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit				0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Method Code	Calc	Calc	TITR	Calc	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert						0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05
OREAS 922 (AQUA REGIA) Meas						0.9	< 0.5	2190	796	< 1	34	71	266	2.68	5		70	0.7	7	0.41	19	44	5.39
OREAS 922 (AQUA REGIA) Cert						0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05
OREAS 922 (AQUA REGIA) Meas						1.2	< 0.5	2180	814	< 1	34	66	265	2.81	4		77	0.8	10	0.43	20	47	5.40
OREAS 922 (AQUA REGIA) Cert						0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05
OREAS 923 (AQUA REGIA) Meas						2.1	< 0.5	4160	883	< 1	31	91	341	2.64	5		57	0.7	12	0.41	21	42	5.90
OREAS 923 (AQUA REGIA) Cert						1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91
OREAS 923 (AQUA REGIA) Meas						1.9	< 0.5	4260	890	< 1	33	93	347	2.66	5		56	0.7	15	0.41	22	43	6.04
OREAS 923 (AQUA REGIA) Cert						1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91
OREAS 923 (AQUA REGIA) Meas						1.6	< 0.5	4290	907	< 1	35	83	331	2.66	6		56	0.7	15	0.42	23	42	5.96
OREAS 923 (AQUA REGIA) Cert						1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91
OREAS 923 (AQUA REGIA) Meas						1.7	0.6	4240	913	< 1	31	90	346	2.73	5		58	0.7	14	0.42	22	42	6.25
OREAS 923 (AQUA REGIA) Cert						1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91
OREAS 923 (AQUA REGIA) Meas						1.5	0.5	4350	921	< 1	32	89	345	2.76	6		55	0.7	16	0.41	23	41	6.29
OREAS 923 (AQUA REGIA) Cert						1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91
OREAS 923 (AQUA REGIA) Meas						2.0	< 0.5	4340	920	< 1	32	91	346	2.81	6		61	0.7	18	0.43	22	42	6.27
OREAS 923 (AQUA REGIA) Cert						1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91
Oreas 96 (Aqua Regia) Meas						10.7		> 10000				94	416						< 2		45		
Oreas 96 (Aqua Regia) Cert						11.50		39100.00				100	448						27.9		49.2		
Oreas 96 (Aqua Regia) Meas						10.8		> 10000				96	419						< 2		46		
Oreas 96 (Aqua Regia) Cert						11.50		39100.00				100	448						27.9		49.2		

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit				0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Method Code	Calc	Calc	TITR	Calc	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Meas						10.9		> 10000				94	412						9		46		
Oreas 96 (Aqua Regia) Cert						11.50		39100.00				100	448						27.9		49.2		
Oreas 96 (Aqua Regia) Meas						10.7		> 10000				92	399						24		44		
Oreas 96 (Aqua Regia) Cert						11.50		39100.00				100	448						27.9		49.2		
Oreas 96 (Aqua Regia) Meas						11.0		> 10000				94	414						12		45		
Oreas 96 (Aqua Regia) Cert						11.50		39100.00				100	448						27.9		49.2		
Oreas 96 (Aqua Regia) Meas						11.1		> 10000				95	416						12		46		
Oreas 96 (Aqua Regia) Cert						11.50		39100.00				100	448						27.9		49.2		
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas								335	174	< 1	223	9	26	6.42			135	1.1	3	0.07	41	355	13.9
OREAS 45f (Aqua Regia) Cert								336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7
OREAS 45f (Aqua Regia) Meas								336	175	< 1	217	10	25	6.39			137	1.1	< 2	0.08	40	354	14.0
OREAS 45f (Aqua Regia) Cert								336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7
OREAS 45f (Aqua Regia) Meas								339	183	< 1	231	6	27	6.94			138	1.1	< 2	0.08	39	361	14.0
OREAS 45f (Aqua Regia) Cert								336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7
OREAS 238 (Fire Assay) Meas					3090																		
OREAS 238 (Fire Assay) Cert					3030																		
OREAS 238 (Fire Assay) Meas					3160																		
OREAS 238 (Fire Assay) Cert					3030																		
OREAS 238 (Fire Assay) Meas					3080																		
OREAS 238 (Fire Assay) Cert					3030																		
OREAS 238 (Fire Assay) Meas					3030																		
OREAS 238 (Fire Assay) Cert					3030																		
OREAS 238 (Fire Assay) Meas					2990																		
OREAS 238 (Fire Assay) Cert					3030																		
GS316-3 Meas																							

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit				0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Method Code	Calc	Calc	TITR	Calc	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS316-3 Cert																							
GS316-3 Meas																							
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GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas					516																		
Oreas E1336 (Fire Assay) Cert					510.000																		
Oreas E1336 (Fire Assay) Meas					510																		
Oreas E1336 (Fire Assay) Cert					510.000																		
Oreas E1336 (Fire Assay) Meas					528																		
Oreas E1336 (Fire Assay) Cert					510.000																		
Oreas E1336 (Fire Assay) Meas					506																		
Oreas E1336 (Fire Assay) Cert					510.000																		
Oreas E1336 (Fire Assay) Meas					492																		
Oreas E1336 (Fire Assay) Cert					510.000																		
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
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GS317-5 Cert																							

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit				0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Method Code	Calc	Calc	TITR	Calc	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas						39.8	162	1680	460	9	13	> 5000	> 10000	1.11	48		11	0.6	< 2	1.35	13	18	2.51
Oreas 620 (Aqua Regia) Cert						38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58
Oreas 620 (Aqua Regia) Meas						42.1	172	1730	463	9	14	> 5000	> 10000	1.19	51		< 10	0.7	< 2	1.41	14	17	2.68
Oreas 620 (Aqua Regia) Cert						38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58
Oreas 620 (Aqua Regia) Meas						43.9	163	1900	479	10	14	> 5000	> 10000	1.22	50		14	0.7	< 2	1.44	14	17	2.75
Oreas 620 (Aqua Regia) Cert						38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58
Oreas 620 (Aqua Regia) Meas						43.6	173	1810	468	10	15	> 5000	> 10000	1.22	50		15	0.7	3	1.40	13	18	2.76
Oreas 620 (Aqua Regia) Cert						38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58
Oreas 620 (Aqua Regia) Meas						43.8	176	1810	462	9	15	> 5000	> 10000	1.17	49		13	0.6	3	1.40	14	17	2.75
Oreas 620 (Aqua Regia) Cert						38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58
Oreas 620 (Aqua Regia) Meas						44.9	179	1890	480	9	15	> 5000	> 10000	1.27	52		12	0.7	2	1.45	14	17	2.82
Oreas 620 (Aqua Regia) Cert						38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58
GC22-0266-011 Orig					61																		
GC22-0266-011 Dup					57																		
GC22-0269-001 Orig						0.2	< 0.5	281	171	< 1	2	< 2	19	1.96	6	< 10	21	< 0.5	< 2	1.01	8	4	3.14
GC22-0269-001 Dup						0.3	< 0.5	283	173	< 1	5	< 2	18	1.92	7	< 10	21	< 0.5	< 2	1.00	8	4	3.23
GC22-0278-001 Orig					190																		
GC22-0278-001 Dup					124																		
GC22-0279-001 Orig																							
GC22-0279-001 Dup																							
GC22-0282-019 Orig						< 0.2	< 0.5	5	376	1	8	< 2	82	2.33	6	< 10	41	< 0.5	< 2	1.39	6	8	2.26
GC22-0282-019 Dup						< 0.2	< 0.5	5	375	< 1	9	3	81	2.35	5	< 10	43	< 0.5	< 2	1.39	6	8	2.25
GC22-0282-012 Orig					28																		
GC22-0282-012 Dup					29																		
1318086089 Orig																							
1318086089 Dup																							

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit				0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Method Code	Calc	Calc	TITR	Calc	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0254-002 Orig						1.0	< 0.5	265	117	< 1	3	< 2	12	1.76	13	< 10	38	< 0.5	11	0.50	6	2	2.32
GC22-0254-002 Dup						0.9	< 0.5	236	110	1	2	< 2	12	1.68	14	< 10	46	< 0.5	11	0.47	6	2	2.20
GC22-0255-018 Orig					184																		
GC22-0255-018 Dup					166																		
GC22-0258-011 Orig																							
GC22-0258-011 Dup																							
1316006015 Orig					252																		
1316006015 Dup					255																		
1323062280 Orig																							
1323062280 Dup																							
GC22-0284-019 Orig																							
GC22-0284-019 Dup																							
GC22-0288-019 Orig					1190																		
GC22-0288-019 Dup					1570																		
GC22-0287-018 Orig						0.5	< 0.5	254	183	< 1	3	< 2	21	2.47	10	< 10	46	< 0.5	3	1.23	6	3	2.20
GC22-0287-018 Dup						0.7	< 0.5	264	187	< 1	3	< 2	21	2.56	10	< 10	47	< 0.5	< 2	1.26	7	3	2.27
GC22-0292-019 Orig					242																		
GC22-0292-019 Dup					213																		
1322043302 Orig																							
1322043302 Dup																							
1322043299 Orig																							
1322043299 Dup																							
1322043262 Orig	0.709	-12.7	30.9	43.61																			
1322043262 Dup	0.720	-12.2	31.4	43.61																			
1322043304 Orig	0.975	-0.926	36.7	37.60																			
1322043304 Dup	0.943	-2.15	35.4	37.60																			
1322043048 Orig						0.8	1.2	65	755	1	11	13	412	1.57	7	< 10	62	< 0.5	< 2	1.66	9	11	2.15
1322043048 Dup						0.8	1.3	65	753	1	11	13	403	1.57	8	< 10	62	< 0.5	< 2	1.67	9	11	2.16
1322043306 Orig																							
1322043306 Dup																							
1316014111 Orig	0.422	-23.9	17.4	41.36	43																		
1316014111 Dup	0.416	-24.2	17.2	41.36	43																		
1316014114 Orig																							
1316014114 Dup																							
1322043038 Orig																							
1322043038 Dup																							
1316014034 Orig					448																		
1316014034 Dup					462																		
1315003418 Orig						0.8	< 0.5	293	335	13	9	3	86	2.39	7	< 10	48	< 0.5	< 2	1.63	7	11	2.36

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit				0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01
Method Code	Calc	Calc	TITR	Calc	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1315003418 Dup						0.8	< 0.5	279	323	12	8	3	85	2.25	5	< 10	46	< 0.5	< 2	1.56	7	10	2.25
1315002115 Orig					914																		
1315002115 Dup					846																		
1316013015 Orig	3.12	35.2	51.8	16.57																			
1316013015 Dup	2.92	31.8	48.4	16.57																			
1315003168 Orig																							
1315003168 Dup																							
1322043348 Orig					142																		
1322043348 Dup					182																		
1315003132 Orig																							
1315003132 Dup																							
1322043093 Orig					82																		
1322043093 Dup					74																		
1316015011 Orig						0.8	< 0.5	145	415	< 1	11	2	52	2.37	10	< 10	31	< 0.5	11	0.92	7	10	4.00
1316015011 Dup						0.8	< 0.5	141	416	< 1	11	2	51	2.36	8	< 10	31	< 0.5	10	0.91	7	10	3.99
1316015001 Orig					111																		
1316015001 Dup					170																		
1316015030 Orig																							
1316015030 Dup																							
1432013037 Orig																							
1432013037 Dup																							
1432014165 Orig																							
1432014165 Dup																							
1316007050 Orig	0.207	-45.9	12.0	57.89		0.6	< 0.5	110	451	1	9	4	55	1.63	10	< 10	31	< 0.5	< 2	0.94	9	9	2.75
1316007050 Dup	0.199	-43.5	10.8	54.37		0.6	< 0.5	111	448	1	10	6	53	1.61	9	< 10	30	< 0.5	< 2	0.92	9	9	2.74
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank						< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01
Method Blank					< 5																		
Method Blank					< 5																		
Method Blank					< 5																		
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Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	Paste pH
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	pH
Lower Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01		0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	pH Meter
BaSO4 Meas																					13.8		
BaSO4 Cert																					14.0		
BaSO4 Meas																					14.5		
BaSO4 Cert																					14.0		
BaSO4 Meas																					14.2		
BaSO4 Cert																					14.0		
BaSO4 Meas																					14.3		
BaSO4 Cert																					14.0		
BaSO4 Meas																					14.5		
BaSO4 Cert																					14.0		
BaSO4 Meas																					14.3		
BaSO4 Cert																					14.0		
BaSO4 Meas																					14.2		
BaSO4 Cert																					14.0		
BaSO4 Meas																					14.0		
BaSO4 Cert																					14.0		
BaSO4 Meas																					14.4		
BaSO4 Cert																					14.0		
OREAS 98 (Aqua Regia) Meas									16														
OREAS 98 (Aqua Regia) Cert									15														
OREAS 98 (Aqua Regia) Meas									17														
OREAS 98 (Aqua Regia) Cert									15														
OREAS 98 (Aqua Regia) Meas									19														
OREAS 98 (Aqua Regia) Cert									15														
OREAS 98 (Aqua Regia) Meas									17														
OREAS 98 (Aqua Regia) Cert									15														
OREAS 98 (Aqua Regia) Meas									17														
OREAS 98 (Aqua Regia) Cert									15														
OREAS 98 (Aqua Regia) Meas									14														
OREAS 98 (Aqua Regia) Cert									15														
GS311-4 Meas																				1.12	0.55		
GS311-4 Cert																				1.11	0.54		
GS311-4 Meas																				1.10	0.54		
GS311-4 Cert																				1.11	0.54		
GS311-4 Meas																				1.09	0.54		
GS311-4 Cert																				1.11	0.54		
GS311-4 Meas																				1.11	0.58		
GS311-4 Cert																				1.11	0.54		
GS311-4 Meas																				1.14	0.59		
GS311-4 Cert																				1.11	0.54		
GS311-4 Meas																				1.09	0.56		

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	Paste pH
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	pH
Lower Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01		0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	pH Meter
GS311-4 Cert																				1.11	0.54		
GS311-4 Meas																				1.10	0.57		
GS311-4 Cert																				1.11	0.54		
GS311-4 Meas																				1.09	0.56		
GS311-4 Cert																				1.11	0.54		
GS311-4 Meas																				1.09	0.59		
GS311-4 Cert																				1.11	0.54		
SiO2 Meas																				< 0.01	< 0.01		
SiO2 Cert																							
SiO2 Meas																				< 0.01	< 0.01		
SiO2 Cert																							
SiO2 Meas																				0.04	< 0.01		
SiO2 Cert																							
SiO2 Meas																				< 0.01	< 0.01		
SiO2 Cert																							
SiO2 Meas																				< 0.01	< 0.01		
SiO2 Cert																							
SiO2 Meas																				< 0.01	< 0.01		
SiO2 Cert																							
SiO2 Meas																				< 0.01	< 0.01		
SiO2 Cert																							
SiO2 Meas																				0.01	< 0.01		
SiO2 Cert																							
SiO2 Meas																				< 0.01	0.02		
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							8.72
NBM-1 (slight fzz) Cert																							8.53
NBM-1 (slight fzz) Meas																							8.69
NBM-1 (slight fzz) Cert																							8.53
OREAS 922 (AQUA REGIA) Meas	< 10		0.38	33	1.28	0.026	0.065	0.35	6	4	16			< 2	< 10	33	< 10	16	18				
OREAS 922 (AQUA REGIA) Cert	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3				
OREAS 922 (AQUA REGIA) Meas	< 10		0.38	34	1.31	0.025	0.065	0.34	2	4	16			< 2	< 10	33	< 10	16	17				
OREAS 922 (AQUA REGIA) Cert	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3				
OREAS 922 (AQUA REGIA) Meas	< 10		0.40	34	1.34	0.028	0.068	0.37	3	4	16			< 2	< 10	34	< 10	16	20				
OREAS 922 (AQUA REGIA) Cert	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3				
OREAS 922 (AQUA REGIA) Meas	< 10		0.39	35	1.34	0.026	0.067	0.38	2	4	16			< 2	< 10	34	< 10	16	12				

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	Paste pH
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	pH
Lower Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01		0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	pH Meter
OREAS 922 (AQUA REGIA) Cert	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3				
OREAS 922 (AQUA REGIA) Meas	< 10		0.37	34	1.32	0.027	0.066	0.37	2	4	16			< 2	< 10	32	< 10	15	16				
OREAS 922 (AQUA REGIA) Cert	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3				
OREAS 922 (AQUA REGIA) Meas	< 10		0.42	35	1.33	0.027	0.066	0.36	2	4	16			< 2	< 10	35	< 10	17	18				
OREAS 922 (AQUA REGIA) Cert	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3				
OREAS 923 (AQUA REGIA) Meas	< 10		0.34	31	1.39		0.063	0.64	2	4	14			< 2	< 10	33	< 10	15	24				
OREAS 923 (AQUA REGIA) Cert	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5				
OREAS 923 (AQUA REGIA) Meas	< 10		0.33	31	1.42		0.063	0.63	3	4	14			< 2	< 10	33	< 10	14	23				
OREAS 923 (AQUA REGIA) Cert	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5				
OREAS 923 (AQUA REGIA) Meas	< 10		0.33	30	1.41		0.061	0.63	4	4	15			< 2	< 10	33	< 10	14	23				
OREAS 923 (AQUA REGIA) Cert	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5				
OREAS 923 (AQUA REGIA) Meas	< 10		0.33	32	1.42		0.063	0.67	3	4	15			< 2	< 10	33	< 10	14	21				
OREAS 923 (AQUA REGIA) Cert	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5				
OREAS 923 (AQUA REGIA) Meas	< 10		0.32	31	1.43		0.064	0.68	3	4	15			< 2	< 10	33	< 10	14	21				
OREAS 923 (AQUA REGIA) Cert	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5				
OREAS 923 (AQUA REGIA) Meas	< 10		0.35	32	1.43		0.063	0.67	3	4	15			< 2	< 10	34	< 10	15	20				
OREAS 923 (AQUA REGIA) Cert	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5				
Oreas 96 (Aqua Regia) Meas								3.28	5														
Oreas 96 (Aqua Regia) Cert								4.38	4.53														
Oreas 96 (Aqua Regia) Meas								3.35	7														
Oreas 96 (Aqua Regia) Cert								4.38	4.53														

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	Paste pH
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	pH
Lower Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01		0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	pH Meter
Oreas 96 (Aqua Regia) Meas								3.49	6														
Oreas 96 (Aqua Regia) Cert								4.38	4.53														
Oreas 96 (Aqua Regia) Meas								3.49	5														
Oreas 96 (Aqua Regia) Cert								4.38	4.53														
Oreas 96 (Aqua Regia) Meas								3.66	6														
Oreas 96 (Aqua Regia) Cert								4.38	4.53														
Oreas 96 (Aqua Regia) Meas								3.70	6														
Oreas 96 (Aqua Regia) Cert								4.38	4.53														
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	20	< 1	0.09	10	0.17	0.042	0.021	0.02		31	14	0.10		< 2	< 10	200		5	31				
OREAS 45f (Aqua Regia) Cert	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0				
OREAS 45f (Aqua Regia) Meas	20	< 1	0.09	10	0.17	0.043	0.022	0.02		31	14	0.10		< 2	< 10	203		5	33				
OREAS 45f (Aqua Regia) Cert	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0				
OREAS 45f (Aqua Regia) Meas	20	< 1	0.10	11	0.17	0.043	0.022	0.02		32	15	0.13		< 2	< 10	207		5	50				
OREAS 45f (Aqua Regia) Cert	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0				
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																				0.05	0.33		

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	Paste pH
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	pH
Lower Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01		0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	pH Meter
GS316-3 Cert																				0.0600	0.340		
GS316-3 Meas																				0.05	0.34		
GS316-3 Cert																				0.0600	0.340		
GS316-3 Meas																				0.06	0.34		
GS316-3 Cert																				0.0600	0.340		
GS316-3 Meas																				0.05	0.34		
GS316-3 Cert																				0.0600	0.340		
GS316-3 Meas																				0.05	0.36		
GS316-3 Cert																				0.0600	0.340		
GS316-3 Meas																				0.06	0.35		
GS316-3 Cert																				0.0600	0.340		
GS316-3 Meas																				0.06	0.36		
GS316-3 Cert																				0.0600	0.340		
GS316-3 Meas																				0.06	0.35		
GS316-3 Cert																				0.0600	0.340		
GS316-3 Meas																				0.05	0.35		
GS316-3 Cert																				0.0600	0.340		
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																				8.29	14.9		
GS317-5 Cert																				8.46	15.5		
GS317-5 Meas																				8.39	15.7		
GS317-5 Cert																				8.46	15.5		
GS317-5 Meas																				8.09	14.8		
GS317-5 Cert																				8.46	15.5		
GS317-5 Meas																				8.53	15.2		
GS317-5 Cert																				8.46	15.5		
GS317-5 Meas																				8.56	15.2		
GS317-5 Cert																				8.46	15.5		
GS317-5 Meas																				8.37	15.2		
GS317-5 Cert																				8.46	15.5		

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	Paste pH
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	pH
Lower Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01		0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	pH Meter
GS317-5 Meas																				8.55	14.8		
GS317-5 Cert																				8.46	15.5		
GS317-5 Meas																				8.56	15.1		
GS317-5 Cert																				8.46	15.5		
GS317-5 Meas																				8.36	15.0		
GS317-5 Cert																				8.46	15.5		
Oreas 620 (Aqua Regia) Meas	< 10	2	0.26	24	0.26	0.113	0.032	2.36	57		19			< 2	< 10	8	< 10	6	64				
Oreas 620 (Aqua Regia) Cert	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57				
Oreas 620 (Aqua Regia) Meas	< 10	2	0.28	25	0.28	0.121	0.033	2.51	65		20			< 2	< 10	9	< 10	7	62				
Oreas 620 (Aqua Regia) Cert	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57				
Oreas 620 (Aqua Regia) Meas	< 10	2	0.29	25	0.28	0.124	0.033	2.63	58		20			< 2	< 10	9	< 10	7	57				
Oreas 620 (Aqua Regia) Cert	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57				
Oreas 620 (Aqua Regia) Meas	< 10	2	0.28	25	0.27	0.120	0.032	2.59	58		20			< 2	< 10	9	< 10	7	90				
Oreas 620 (Aqua Regia) Cert	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57				
Oreas 620 (Aqua Regia) Meas	< 10	2	0.27	24	0.28	0.115	0.031	2.58	51		19			< 2	< 10	8	< 10	6	56				
Oreas 620 (Aqua Regia) Cert	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57				
Oreas 620 (Aqua Regia) Meas	< 10	2	0.30	25	0.28	0.126	0.032	2.68	58		20			< 2	< 10	9	< 10	7	79				
Oreas 620 (Aqua Regia) Cert	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57				
GC22-0266-011 Orig																							
GC22-0266-011 Dup																							
GC22-0269-001 Orig	< 10	< 1	0.12	< 10	0.70	0.111	0.036	2.49	2	< 1	85	< 0.01	2	< 2	< 10	6	< 10	2	22	0.11	2.59		
GC22-0269-001 Dup	< 10	< 1	0.11	< 10	0.71	0.111	0.036	2.56	< 2	< 1	82	< 0.01	1	< 2	< 10	6	< 10	2	22	0.10	2.56		
GC22-0278-001 Orig																							
GC22-0278-001 Dup																							
GC22-0279-001 Orig																				0.14	0.97		
GC22-0279-001 Dup																				0.14	0.95		
GC22-0282-019 Orig	< 10	< 1	0.16	14	0.90	0.242	0.039	1.54	< 2	1	112	0.01	< 1	< 2	< 10	12	< 10	2	26				
GC22-0282-019 Dup	< 10	< 1	0.17	15	0.90	0.245	0.038	1.51	< 2	1	112	0.01	< 1	< 2	< 10	12	< 10	2	24				
GC22-0282-012 Orig																							
GC22-0282-012 Dup																							
1318086089 Orig																				0.43	1.62		
1318086089 Dup																				0.41	1.73		

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	Paste pH
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	pH
Lower Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01		0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	pH Meter
GC22-0254-002 Orig	< 10	< 1	0.17	< 10	0.36	0.070	0.038	1.72	< 2	< 1	51	< 0.01	1	< 2	< 10	6	< 10	2	20				
GC22-0254-002 Dup	< 10	< 1	0.16	< 10	0.33	0.066	0.038	1.64	< 2	< 1	49	< 0.01	4	< 2	< 10	5	< 10	1	21				
GC22-0255-018 Orig																							
GC22-0255-018 Dup																							
GC22-0258-011 Orig																				0.53	1.55		
GC22-0258-011 Dup																				0.54	1.57		
1316006015 Orig																							
1316006015 Dup																							
1323062280 Orig																						Slight	
1323062280 Dup																						Slight	
GC22-0284-019 Orig																				0.08	2.22		
GC22-0284-019 Dup																				0.09	2.24		
GC22-0288-019 Orig																							
GC22-0288-019 Dup																							
GC22-0287-018 Orig	< 10	< 1	0.23	11	0.59	0.114	0.040	1.33	< 2	< 1	72	< 0.01	3	< 2	< 10	6	< 10	2	13				
GC22-0287-018 Dup	< 10	< 1	0.23	10	0.59	0.116	0.040	1.39	< 2	< 1	72	< 0.01	< 1	< 2	< 10	6	< 10	2	13				
GC22-0292-019 Orig																							
GC22-0292-019 Dup																							
1322043302 Orig																				0.58	1.71		
1322043302 Dup																				0.58	1.73		
1322043299 Orig																				0.25	1.49		
1322043299 Dup																				0.26	1.49		
1322043262 Orig																							
1322043262 Dup																							
1322043304 Orig																							
1322043304 Dup																							
1322043048 Orig	< 10	< 1	0.34	15	0.84	0.072	0.044	0.49	< 2	2	35	0.10	< 1	< 2	< 10	20	< 10	3	15				
1322043048 Dup	< 10	< 1	0.34	15	0.84	0.073	0.046	0.51	4	2	35	0.10	< 1	2	< 10	20	< 10	3	15				
1322043306 Orig																							9.10
1322043306 Dup																							8.96
1316014111 Orig																							
1316014111 Dup																							
1316014114 Orig																				0.31	1.47		
1316014114 Dup																				0.30	1.45		
1322043038 Orig																						slight	
1322043038 Dup																						slight	
1316014034 Orig																							
1316014034 Dup																							
1315003418 Orig	< 10	< 1	0.14	12	0.93	0.234	0.038	1.15	< 2	1	171	0.02	< 1	< 2	< 10	16	< 10	2	19	0.22	1.13		

Analyte Symbol	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating	Paste pH
Unit Symbol	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	pH
Lower Limit	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01		0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none	pH Meter
1315003418 Dup	< 10	< 1	0.13	11	0.90	0.220	0.037	1.11	2	1	164	0.02	1	< 2	< 10	16	< 10	2	18	0.21	1.09		
1315002115 Orig																							
1315002115 Dup																							
1316013015 Orig																						Slight	
1316013015 Dup																						Slight	
1315003168 Orig																				0.22	0.91		
1315003168 Dup																				0.22	0.90		
1322043348 Orig																							
1322043348 Dup																							
1315003132 Orig																				0.09	0.54		
1315003132 Dup																				0.10	0.55		
1322043093 Orig																							
1322043093 Dup																							
1316015011 Orig	< 10	< 1	0.16	10	1.02	0.084	0.035	2.50	< 2	1	84	0.02	2	< 2	< 10	10	< 10	2	34				
1316015011 Dup	< 10	< 1	0.16	10	1.02	0.084	0.034	2.47	< 2	1	83	0.02	< 1	< 2	< 10	10	< 10	2	34				
1316015001 Orig																				0.07	1.15		
1316015001 Dup																				0.07	1.14		
1316015030 Orig																						none	
1316015030 Dup																						none	
1432013037 Orig																				1.53	2.06		
1432013037 Dup																				1.53	2.02		
1432014165 Orig																				2.04	5.40		
1432014165 Dup																				2.05	5.47		
1316007050 Orig	< 10	< 1	0.15	12	0.65	0.157	0.042	1.98	< 2	1	75	0.01	5	< 2	< 10	11	< 10	2	24	0.24	2.04		8.73
1316007050 Dup	< 10	< 1	0.15	13	0.65	0.155	0.040	1.96	< 2	1	74	0.01	1	< 2	< 10	11	< 10	2	23	0.23	1.93		8.75
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	< 0.001	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1				
Method Blank																							
Method Blank																							
Method Blank																							
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Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
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BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
OREAS 98 (Aqua Regia) Meas	
OREAS 98 (Aqua Regia) Cert	
OREAS 98 (Aqua Regia) Meas	
OREAS 98 (Aqua Regia) Cert	
OREAS 98 (Aqua Regia) Meas	
OREAS 98 (Aqua Regia) Cert	
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OREAS 98 (Aqua Regia) Cert	
OREAS 98 (Aqua Regia) Meas	
OREAS 98 (Aqua Regia) Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	
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SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
(AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
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OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
OREAS 229b (Fire Assay) Meas	12.4
OREAS 229b (Fire Assay) Cert	11.95
OREAS 229b (Fire Assay) Meas	12.0
OREAS 229b (Fire Assay) Cert	11.95
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
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OREAS 257b (Fire Assay) Meas	13.6
OREAS 257b (Fire Assay) Cert	14.220
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
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GS317-5 Meas	
GS317-5 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GS317-5 Meas	
GS317-5 Cert	
GS317-5 Meas	
GS317-5 Cert	
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	
Oreas 620 (Aqua Regia) Meas	
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Oreas 620 (Aqua Regia) Cert	
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	
GC22-0266-011 Orig	
GC22-0266-011 Dup	
GC22-0269-001 Orig	
GC22-0269-001 Dup	
GC22-0278-001 Orig	
GC22-0278-001 Dup	
GC22-0279-001 Orig	
GC22-0279-001 Dup	
GC22-0282-019 Orig	
GC22-0282-019 Dup	
GC22-0282-012 Orig	
GC22-0282-012 Dup	
1318086089 Orig	
1318086089 Dup	
GC22-0254-002 Orig	
GC22-0254-002	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Dup	
GC22-0255-018 Orig	
GC22-0255-018 Dup	
GC22-0258-011 Orig	
GC22-0258-011 Dup	
1316006015 Orig	
1316006015 Dup	
1323062280 Orig	
1323062280 Dup	
GC22-0284-019 Orig	
GC22-0284-019 Dup	
GC22-0288-019 Orig	
GC22-0288-019 Dup	
GC22-0287-018 Orig	
GC22-0287-018 Dup	
GC22-0292-019 Orig	
GC22-0292-019 Dup	
1322043302 Orig	
1322043302 Dup	
1322043299 Orig	
1322043299 Dup	
1322043262 Orig	
1322043262 Dup	
1322043304 Orig	
1322043304 Dup	
1322043048 Orig	
1322043048 Dup	
1322043306 Orig	
1322043306 Dup	
1316014111 Orig	
1316014111 Dup	
1316014114 Orig	
1316014114 Dup	
1322043038 Orig	
1322043038 Dup	
1316014034 Orig	
1316014034 Dup	
1315003418 Orig	
1315003418 Dup	
1315002115 Orig	
1315002115 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1316013015 Orig	
1316013015 Dup	
1315003168 Orig	17.1
1315003168 Dup	21.7
1322043348 Orig	
1322043348 Dup	
1315003132 Orig	
1315003132 Dup	
1322043093 Orig	
1322043093 Dup	
1316015011 Orig	
1316015011 Dup	
1316015001 Orig	
1316015001 Dup	
1316015030 Orig	
1316015030 Dup	
1432013037 Orig	
1432013037 Dup	
1432014165 Orig	
1432014165 Dup	
1316007050 Orig	
1316007050 Dup	
Method Blank	
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Method Blank	< 0.02
Method Blank	< 0.02
Method Blank	< 0.02
Method Blank	< 0.02

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-07074**
Report Date: **17-Aug-22**
Date Submitted: **25-May-22**
Your Reference: **2022 FEB,MARCH,APRIL CHECK ASSAYS**

New Gold Inc.
317 Heatwole
Barwick Ontario
Canada

ATTN: Caroline Daost

CERTIFICATE OF ANALYSIS

148 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-06-24 16:59:12
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-06-27 18:20:36
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-06-16 19:19:21

REPORT **A22-07074**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Foot Note: Insufficient material for 1A3 analysis on sample : F009980

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: **A22-07074**
Report Date: **17-Aug-22**
Date Submitted: **25-May-22**
Your Reference: **2022 FEB,MARCH,APRIL CHECK ASSAYS**

New Gold Inc.
317 Heatwole
Barwick Ontario
Canada

ATTN: Caroline Daost

CERTIFICATE OF ANALYSIS

148 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2022-07-05 21:46:17
4F-C, S	Infrared	2022-06-24 21:16:43

REPORT **A22-07074**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Foot Note: Insufficient material for 1A3 analysis on sample : F009980

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1316007037	0.256	-42.1	14.5	56.58	0.70	360	0.5	< 0.5	74	473	2	15	5	162	2.02	8	< 10	35	< 0.5	< 2	1.10	11	12
1315009025	0.221	-41.3	11.7	53.03	0.62	85	0.3	< 0.5	18	380	< 1	10	4	56	1.89	11	< 10	32	< 0.5	2	1.00	7	8
1316007001	0.428	-27.1	20.2	47.33	0.54	131	0.5	< 0.5	52	563	< 1	11	4	214	2.03	7	< 10	31	< 0.5	< 2	1.38	10	15
1316007081	0.235	-39.1	12.0	51.09	0.57	79	0.7	< 0.5	167	386	4	7	7	61	2.13	6	< 10	38	< 0.5	< 2	1.35	8	9
1316007061	0.311	-58.3	26.2	84.52	2.30	198	0.6	< 0.5	153	628	1	21	5	109	2.01	12	< 10	26	< 0.5	3	1.75	13	12
1323064001	1.77	16.4	37.7	21.31	0.48	16	< 0.2	< 0.5	29	729	< 1	18	6	154	2.23	3	< 10	49	< 0.5	< 2	2.41	10	16
1323064051	3.54	44.0	61.3	17.34	0.58	14	< 0.2	< 0.5	26	815	1	105	3	117	1.80	2	< 10	61	< 0.5	< 2	2.71	20	200
1323064078	4.25	41.0	53.6	12.61	0.56	22	< 0.2	< 0.5	25	847	< 1	16	11	170	1.78	10	< 10	56	< 0.5	< 2	2.33	8	13
1315009709	0.150	-58.1	10.2	68.32	0.82	68	< 0.2	< 0.5	44	444	< 1	9	2	75	3.29	< 2	< 10	30	< 0.5	< 2	1.92	8	7
1315009155	0.148	-80.6	14.0	94.55	0.72	201	0.2	< 0.5	37	431	< 1	7	4	50	1.72	14	< 10	26	< 0.5	< 2	1.12	7	4
F009963						> 5000																	
F009980						> 5000																	
1323063246	0.821	-8.56	39.2	47.81	0.64	145	0.6	< 0.5	38	737	1	9	30	140	1.68	42	< 10	30	< 0.5	< 2	2.09	8	6
1432013133	1.33	27.9	112	84.64	1.66	300	1.4	< 0.5	88	1340	< 1	73	11	164	2.41	15	< 10	25	< 0.5	< 2	3.84	31	65
1316008078	0.147	-59.5	10.2	69.76	0.67	591	0.8	< 0.5	89	449	< 1	11	4	53	2.26	11	< 10	33	< 0.5	4	1.15	9	7
1323063237	1.19	8.41	52.0	43.56	0.72	142	2.3	< 0.5	32	1080	< 1	11	54	150	1.12	59	< 10	27	< 0.5	< 2	2.33	7	14
1315006116	0.635	-21.0	36.5	57.45	1.02	128	0.7	2.4	95	681	1	14	6	652	1.77	22	< 10	15	< 0.5	4	1.45	11	12
1323063129	5.01	36.2	45.2	9.03	0.52	38	0.9	0.5	23	603	1	12	2	195	1.21	5	< 10	56	< 0.5	< 2	1.86	8	17
1323063173	19.3	46.9	49.5	2.56	0.49	10	< 0.2	< 0.5	19	588	< 1	20	< 2	86	1.64	3	12	38	< 0.5	< 2	2.48	10	34
1323063018	2.91	26.6	40.5	13.91	0.43	12	< 0.2	< 0.5	14	686	1	35	6	156	2.21	6	< 10	51	< 0.5	< 2	2.44	11	36
1323063176	0.000	33.0	33.0	< 0.01	0.15	6	< 0.2	< 0.5	30	337	2	4	< 2	59	1.08	< 2	< 10	46	< 0.5	< 2	1.58	5	8
1323063270	19.6	34.2	36.0	1.84	0.39	17	< 0.2	< 0.5	40	450	2	24	3	82	1.30	< 2	< 10	44	< 0.5	< 2	1.64	11	49
1323063255	3.61	13.0	18.0	4.99	0.30	26	0.3	< 0.5	16	546	< 1	15	7	191	2.22	6	< 10	69	< 0.5	< 2	1.40	8	16
1323063217	2.09	22.3	42.7	20.45	0.55	21	0.3	< 0.5	40	977	2	18	13	179	1.90	11	< 10	58	< 0.5	< 2	2.26	12	17
1323063209	11.4	38.5	42.3	3.72	0.44	16	< 0.2	< 0.5	26	471	2	23	9	134	1.33	< 2	< 10	49	< 0.5	< 2	1.95	11	51
1323063152	0.768	-8.54	28.2	36.79	0.58	89	0.8	< 0.5	26	563	< 1	9	23	113	1.91	30	< 10	43	< 0.5	< 2	1.76	7	7
1323063273	1.72	16.1	38.5	22.40	0.56	23	< 0.2	< 0.5	101	705	3	57	3	169	1.70	4	< 10	58	< 0.5	< 2	1.88	13	91
1323063064	4.34	37.5	48.7	11.22	0.46	28	0.5	< 0.5	19	789	< 1	15	4	114	1.22	9	< 10	39	< 0.5	< 2	2.12	8	11
1432013060	0.874	-16.3	113	129.53	2.33	384	1.3	< 0.5	233	1490	< 1	65	< 2	150	3.11	38	< 10	20	< 0.5	< 2	3.04	37	50
1323063126	4.66	38.9	49.5	10.62	0.63	22	0.5	< 0.5	86	891	2	19	3	179	1.56	8	< 10	70	< 0.5	< 2	2.25	10	24
1323063031	6.92	43.8	51.2	7.40	0.67	15	0.3	0.6	54	714	2	13	3	246	1.35	6	< 10	52	< 0.5	< 2	2.25	9	14
1432013023	0.524	-41.7	46.0	87.70	1.69	44	0.2	< 0.5	81	1940	1	33	3	257	2.03	7	< 10	24	< 0.5	2	1.90	23	24
1323063036	4.72	37.0	47.0	9.96	0.61	13	< 0.2	0.5	27	819	< 1	20	4	196	1.50	7	< 10	50	< 0.5	< 2	2.12	12	28
F009961						536																	
F009941						539																	
1322044068	3.02	32.4	48.5	16.05	0.63	30	2.4	0.8	199	809	1	15	4	314	1.60	9	< 10	47	< 0.5	< 2	2.29	10	13
1315008049	0.633	-9.00	15.5	24.49	0.40	90	< 0.2	< 0.5	51	380	2	7	3	87	2.34	7	< 10	34	< 0.5	< 2	1.42	7	9
1315005121	0.348	-21.6	11.5	33.05	0.46	368	< 0.2	< 0.5	135	342	5	9	< 2	103	2.97	12	< 10	59	< 0.5	< 2	0.96	11	8
1315005096	0.0788	-111	9.50	120.60	1.14	189	0.9	< 0.5	58	376	< 1	14	5	80	2.22	41	< 10	14	< 0.5	6	1.02	14	11
1315005022	0.444	-54.6	43.5	98.06	1.40	223	1.2	< 0.5	204	713	2	62	3	154	2.41	30	< 10	20	< 0.5	< 2	1.89	21	103
1315005031	0.427	-35.3	26.2	61.50	0.89	124	0.5	0.6	84	555	2	33	< 2	220	2.19	17	< 10	32	< 0.5	2	1.75	12	63
1315005071	0.498	-34.7	34.5	69.24	1.04	169	1.0	< 0.5	184	664	1	54	3	177	2.44	21	< 10	31	< 0.5	2	1.87	15	105
1431001158	2.90	84.8	129	44.71	1.28	95	0.5	< 0.5	103	1560	< 1	20	2	127	2.14	22	< 10	18	< 0.5	< 2	3.82	27	3
1315005058	0.169	-54.0	11.0	65.00	0.73	110	0.4	< 0.5	36	369	< 1	10	< 2	161	2.55	11	< 10	33	< 0.5	3	1.42	9	11
1431001164	1.67	36.5	91.0	54.48	1.47	196	0.8	< 0.5	57	1210	< 1	13	< 2	159	2.22	31	< 10	30	< 0.5	< 2	3.14	19	6
1315005045	0.165	-60.6	12.0	72.59	0.79	141	0.5	< 0.5	33	451	< 1	11	< 2	116	2.37	18	< 10	32	< 0.5	< 2	1.04	10	8
1315005006	0.114	-98.8	12.7	111.54	1.20	328	1.9	< 0.5	90	694	1	26	< 2	277	2.64	33	< 10	22	< 0.5	4	1.19	21	19
1315005082	0.244	-41.7	13.5	55.21	0.72	204	0.6	< 0.5	94	335	2	11	3	100	1.77	13	< 10	35	< 0.5	4	1.05	9	9
1315008034	0.405	-29.7	20.3	49.94	0.60	104	0.3	< 0.5	34	341	2	9	6	119	2.09	11	< 10	32	< 0.5	< 2	1.41	8	6

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1315008091	0.777	-4.09	14.2	18.34	0.38	4600	0.7	< 0.5	170	244	1	6	4	38	2.09	6	< 10	31	< 0.5	< 2	1.14	5	8
1315008077	0.505	-12.0	12.2	24.19	0.42	246	0.4	< 0.5	139	336	3	9	< 2	115	2.63	7	< 10	54	< 0.5	< 2	1.02	9	8
1315008016	0.409	-17.3	12.0	29.28	0.52	2310	1.0	< 0.5	453	365	1	12	5	52	1.98	10	< 10	40	< 0.5	< 2	1.05	7	10
1318080042	0.595	-23.6	34.7	58.32	0.80	113	2.8	1.8	79	1180	1	11	156	496	2.21	61	< 10	35	< 0.5	< 2	2.03	8	8
1431001220	2.69	67.9	108	40.18	0.99	82	0.4	< 0.5	33	1070	< 1	12	< 2	93	1.81	16	< 10	23	< 0.5	< 2	3.48	18	6
1315008058	0.495	-11.9	11.7	23.61	0.45	397	0.7	< 0.5	242	243	2	12	5	40	2.18	8	< 10	44	< 0.5	< 2	1.03	8	9
F010173						1210																	
F010206						1220																	
1322044047	99.6	27.6	27.9	0.28	0.26	9	< 0.2	< 0.5	31	490	< 1	69	3	93	1.49	< 2	< 10	42	< 0.5	< 2	1.38	13	131
1322044052	19.4	31.5	33.2	1.71	0.43	8	< 0.2	< 0.5	14	569	1	11	< 2	115	1.36	< 2	< 10	46	< 0.5	< 2	1.69	8	15
1322044025	0.000	28.7	28.7	< 0.01	0.23	10	< 0.2	< 0.5	25	401	1	18	3	99	1.46	2	< 10	56	< 0.5	< 2	1.44	9	24
1315009632	12.6	10.3	11.2	0.89	0.24	28	< 0.2	< 0.5	109	429	< 1	44	< 2	53	4.70	< 2	< 10	< 10	< 0.5	< 2	3.38	22	50
1322044112	7.38	31.1	36.0	4.87	0.40	12	< 0.2	< 0.5	14	623	< 1	14	2	125	1.31	2	< 10	47	< 0.5	< 2	1.66	9	19
1322044270	1.47	14.5	45.4	30.85	0.67	109	1.2	0.6	107	869	1	22	3	265	1.80	12	< 10	48	< 0.5	< 2	2.26	15	23
1322044214	42.2	28.2	28.9	0.68	0.37	19	0.3	< 0.5	77	454	< 1	335	4	66	2.25	2	< 10	47	< 0.5	< 2	1.91	37	636
1322044178	3.85	26.9	36.4	9.45	0.41	17	0.3	< 0.5	28	675	< 1	13	6	164	2.33	4	< 10	58	< 0.5	< 2	2.38	9	12
1322044180	4.46	30.2	39.0	8.74	0.45	48	0.7	0.7	15	740	< 1	16	14	251	2.47	6	< 10	59	< 0.5	< 2	2.38	9	15
1322045121	1.03	1.00	36.2	35.16	0.55	157	0.8	0.5	28	720	< 1	8	62	183	1.70	28	< 10	33	< 0.5	< 2	2.02	8	7
1322044113	8.89	30.3	34.1	3.84	0.49	22	< 0.2	< 0.5	19	620	1	11	< 2	142	1.34	4	< 10	47	< 0.5	< 2	1.69	9	16
1322044220	5.65	50.4	61.3	10.84	0.69	68	0.9	5.8	65	678	1	10	6	1610	1.26	9	< 10	39	< 0.5	< 2	2.53	8	9
1322044306	0.000	38.9	38.9	< 0.01	0.31	10	< 0.2	< 0.5	41	519	< 1	256	3	69	2.26	3	< 10	36	< 0.5	< 2	2.27	35	523
1322044204	8.13	16.4	18.7	2.30	0.24	12	< 0.2	< 0.5	23	432	< 1	16	2	114	1.51	< 2	< 10	47	< 0.5	< 2	1.22	8	20
1322044255	-4.36	-24.2	-19.7	4.52	0.42	16	< 0.2	< 0.5	11	407	< 1	12	< 2	96	1.08	< 2	< 10	42	< 0.5	< 2	2.18	8	30
1322044312	32.4	28.5	29.4	0.91	0.46	15	0.3	< 0.5	125	519	< 1	128	4	75	2.47	4	< 10	24	< 0.5	< 2	2.44	42	76
1322044117	12.0	57.7	63.0	5.27	0.53	8	0.3	< 0.5	49	671	2	20	3	126	1.54	8	< 10	50	< 0.5	< 2	2.30	11	37
1322044237	5.12	99.4	124	24.11	0.49	284	1.0	< 0.5	46	652	< 1	12	52	228	1.96	22	< 10	39	< 0.5	< 2	1.79	9	12
1322044184	1.29	10.4	45.9	35.54	0.60	1750	1.5	0.8	25	820	< 1	8	67	286	1.82	44	< 10	36	< 0.5	< 2	1.83	7	10
F010192						1050																	
F010188						1050																	
1323064025	5.47	40.2	49.2	8.99	0.61	20	< 0.2	7.0	15	805	< 1	16	4	1610	1.40	6	< 10	58	< 0.5	< 2	1.92	9	16
1323064035	1.30	8.47	37.1	28.61	0.57	18	< 0.2	< 0.5	30	847	< 1	13	4	153	1.73	14	< 10	55	< 0.5	< 2	1.86	10	12
1315009672	0.206	-48.9	12.7	61.67	0.76	84	0.3	1.1	133	443	< 1	8	4	375	2.20	10	< 10	30	< 0.5	< 2	1.25	10	7
1315009737	0.200	-59.0	14.7	73.68	0.82	73	< 0.2	< 0.5	30	322	< 1	13	2	65	2.20	3	< 10	22	< 0.5	2	0.69	12	19
1322045047	2.11	32.8	62.3	29.46	0.67	152	5.2	0.9	25	1290	1	9	68	324	0.76	36	< 10	24	< 0.5	< 2	2.64	9	5
1315009653	0.199	-50.0	12.5	62.48	0.81	150	1.3	1.9	341	408	< 1	7	2	545	1.48	38	< 10	30	< 0.5	2	0.84	8	7
1315009504	0.352	-36.3	19.7	56.00	0.86	238	1.3	7.2	86	771	< 1	18	8	1870	2.05	23	< 10	34	< 0.5	2	1.12	14	19
1315009692	86.7	11.8	12.0	0.14	0.26	5	< 0.2	< 0.5	123	579	< 1	45	< 2	66	4.72	2	< 10	< 10	< 0.5	< 2	3.28	25	54
1322045051	10.4	14.2	15.7	1.51	0.29	18	0.4	< 0.5	100	480	< 1	38	4	63	4.16	3	< 10	16	< 0.5	< 2	3.16	21	42
1315009503	0.405	-26.5	18.0	44.47	0.68	152	1.2	1.8	72	756	< 1	15	4	536	2.19	17	< 10	36	< 0.5	< 2	1.28	11	17
1315009733	0.000	10.7	10.7	< 0.01	0.21	5	< 0.2	< 0.5	106	465	< 1	48	< 2	41	5.01	< 2	< 10	< 10	< 0.5	< 2	3.46	23	52
1322045132	1.06	3.48	61.5	58.00	0.74	107	2.3	< 0.5	16	922	< 1	8	78	181	0.70	94	< 10	27	< 0.5	< 2	2.54	8	4
1322045103	1.01	0.261	50.0	49.76	0.71	138	6.3	1.5	20	905	< 1	8	87	434	0.73	81	< 10	24	< 0.5	< 2	1.94	7	4
1315009731	8.18	11.4	13.0	1.58	0.34	8	< 0.2	< 0.5	115	565	< 1	48	2	51	4.61	< 2	< 10	< 10	< 0.5	< 2	3.15	25	60
1315009522	0.470	-18.5	16.4	34.97	0.55	112	0.5	1.7	42	731	< 1	11	5	580	2.53	15	< 10	44	< 0.5	< 2	1.42	10	10
1315009748	0.103	-111	12.7	123.35	1.13	58	< 0.2	< 0.5	14	351	1	13	4	69	1.92	12	< 10	15	< 0.5	4	0.83	10	8
F010161						540																	
F010193						547																	
1315010081	0.625	-7.48	12.5	19.95	0.33	179	0.3	< 0.5	116	260	1	7	7	39	1.97	8	< 10	42	< 0.5	< 2	1.15	7	6
1315010130	1.05	1.74	35.9	34.12	0.64	554	0.4	< 0.5	138	510	2	20	5	69	1.80	9	< 10	23	< 0.5	< 2	1.97	12	33
1431001209	1.36	34.5	131	96.32	5.91	111	0.7	0.7	44	1780	< 1	8	5	138	2.91	21	< 10	17	< 0.5	< 2	3.11	30	3

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1431001232	1.65	54.7	139	83.88	6.62	215	0.9	< 0.5	223	1470	< 1	52	< 2	113	2.72	11	< 10	21	< 0.5	< 2	4.11	29	76
1322044156	0.000	39.2	39.2	< 0.01	0.28	23	< 0.2	< 0.5	53	456	< 1	268	4	70	2.05	7	< 10	79	< 0.5	< 2	2.25	34	676
1315010001	0.239	-38.9	12.2	51.16	0.76	2270	1.5	< 0.5	658	200	< 1	7	9	36	2.04	12	< 10	34	< 0.5	21	1.33	9	7
1315010142	0.677	-4.89	10.2	15.12	0.33	44	< 0.2	< 0.5	55	385	< 1	7	< 2	39	4.07	< 2	< 10	33	< 0.5	< 2	2.05	6	7
1315010126	1.01	0.460	36.0	35.51	0.55	368	2.6	< 0.5	351	521	3	7	4	86	2.55	7	< 10	48	< 0.5	4	1.15	7	6
1315010129	1.12	3.86	35.0	31.10	0.57	299	0.5	< 0.5	173	499	2	26	3	68	1.88	8	< 10	28	< 0.5	< 2	1.90	13	45
1315010068	0.330	-16.2	7.98	24.20	0.38	317	0.6	< 0.5	203	407	< 1	7	7	67	3.01	5	< 10	31	< 0.5	< 2	1.29	7	7
1321034026	1.04	1.60	43.5	41.86	0.65	294	1.0	1.0	37	1390	< 1	9	174	381	1.09	55	< 10	32	< 0.5	< 2	1.89	8	7
1315010103	0.368	-16.3	9.48	25.73	0.41	172	1.0	< 0.5	237	495	< 1	9	< 2	133	2.42	8	< 10	36	< 0.5	< 2	0.94	6	9
1321034014	0.902	-4.43	40.7	45.09	0.57	236	0.7	4.4	40	1100	< 1	7	30	1190	0.92	66	< 10	25	< 0.5	< 2	1.92	7	4
1315010009	0.320	-20.7	9.72	30.40	0.48	105	0.3	< 0.5	199	372	1	10	< 2	41	2.36	8	< 10	17	< 0.5	3	1.23	7	8
1315010013	0.281	-26.1	10.2	36.31	0.45	158	0.3	< 0.5	109	432	< 1	8	2	42	2.87	5	< 10	46	< 0.5	< 2	1.34	7	9
F010165						> 5000																	
F010210						> 5000																	
1432087043	3.01	34.6	51.8	17.19	0.56	37	< 0.2	< 0.5	64	259	2	11	3	37	0.97	5	< 10	38	< 0.5	< 2	2.27	8	12
1432087017	2.14	20.4	38.2	17.83	0.43	34	< 0.2	< 0.5	49	243	2	9	< 2	34	0.93	3	< 10	29	< 0.5	< 2	1.64	9	8
1431001584	4.70	74.3	94.4	20.09	1.03	43	0.7	< 0.5	276	1230	< 1	86	< 2	154	3.13	7	< 10	13	< 0.5	< 2	3.31	42	59
1431001191	1.60	37.1	98.6	61.41	1.93	470	1.9	0.8	112	1740	< 1	37	2	355	3.75	29	< 10	24	< 0.5	< 2	3.77	33	38
1431001278	0.724	-33.5	87.8	121.24	2.47	557	2.2	< 0.5	243	1900	< 1	7	5	198	3.46	41	< 10	25	< 0.5	< 2	2.99	30	2
1431001608	4.44	79.1	102	23.01	0.91	47	0.3	0.5	80	1220	< 1	66	< 2	140	3.28	9	< 10	20	< 0.5	< 2	3.60	36	172
1431001454	1.10	11.6	129	117.81	2.59	359	1.3	0.6	204	1690	< 1	28	9	147	2.78	39	< 10	19	< 0.5	< 2	3.73	41	1
1431001582	3.63	95.4	132	36.21	1.36	100	0.8	< 0.5	226	1140	< 1	55	< 2	124	3.07	14	< 10	16	< 0.5	< 2	4.60	41	17
1431001541	1.27	25.4	121	95.12	1.90	173	1.0	< 0.5	53	1370	< 1	47	6	113	2.43	12	< 10	16	< 0.5	< 2	4.01	25	73
1323065099	6.71	53.2	62.6	9.32	0.55	7	< 0.2	< 0.5	34	633	< 1	19	< 2	114	1.93	4	< 10	66	< 0.5	< 2	2.79	13	16
1431001189	2.00	57.8	115	57.47	4.86	1500	5.0	0.7	214	1830	< 1	54	5	318	3.17	62	< 10	17	< 0.5	< 2	3.46	32	63
1431001127	0.648	-39.0	71.9	110.98	2.04	538	1.8	0.6	125	1480	< 1	44	< 2	196	3.46	51	< 10	19	< 0.5	< 2	2.88	37	46
1431001143	2.84	75.4	116	40.92	1.07	101	0.3	< 0.5	34	1270	< 1	10	2	113	1.78	8	< 10	29	< 0.5	< 2	3.31	15	3
1323065012	4.45	18.6	24.0	5.39	0.29	8	< 0.2	< 0.5	36	361	< 1	11	< 2	75	1.96	5	< 10	39	< 0.5	< 2	1.17	11	9
1431001578	2.01	49.7	99.1	49.37	1.23	123	0.8	< 0.5	153	1220	< 1	53	3	159	3.76	14	< 10	35	< 0.5	< 2	3.91	34	156
F010325						534																	
F010333						544																	
1321034090	0.564	-20.7	26.7	47.37	0.70	280	0.9	4.9	19	215	< 1	9	32	1360	0.42	38	< 10	28	< 0.5	< 2	1.23	9	5
1322046062	2.92	34.8	52.9	18.10	0.53	12	< 0.2	< 0.5	10	642	< 1	22	3	119	1.33	3	< 10	74	< 0.5	< 2	2.44	12	21
1322046035	42.3	56.1	57.5	1.36	0.60	34	0.2	< 0.5	143	486	< 1	130	5	56	1.37	13	< 10	24	< 0.5	< 2	3.10	33	171
1321034075	0.310	-43.4	19.5	62.92	0.82	2130	8.2	9.5	51	278	1	10	379	2700	0.43	73	< 10	27	< 0.5	< 2	0.95	8	10
1322046074	612	60.7	60.8	0.10	0.58	15	< 0.2	< 0.5	119	417	< 1	102	3	31	1.42	8	< 10	21	< 0.5	< 2	3.60	29	170
1322046024	0.000	35.5	35.5	< 0.01	0.29	10	< 0.2	< 0.5	39	453	< 1	278	< 2	50	2.04	6	< 10	92	< 0.5	< 2	2.03	36	707
1322046023	0.000	44.7	44.7	< 0.01	0.25	28	< 0.2	< 0.5	51	496	< 1	287	2	69	2.07	5	< 10	91	< 0.5	< 2	2.15	34	749
1321094003	0.891	-4.22	34.4	38.63	0.52	355	1.1	2.3	63	395	< 1	5	27	692	0.61	67	< 10	21	< 0.5	< 2	1.49	7	4
1315010089	0.497	-12.1	12.0	24.14	0.36	152	0.3	< 0.5	94	419	< 1	6	4	46	3.62	2	< 10	34	< 0.5	< 2	1.53	6	7
1321094016	0.675	-14.4	30.0	44.40	0.72	133	3.1	2.7	32	721	< 1	10	477	788	0.60	68	< 10	24	< 0.5	< 2	2.13	8	11
1432087021	3.06	25.2	37.4	12.22	0.39	25	< 0.2	< 0.5	43	246	1	8	< 2	28	0.94	3	< 10	29	< 0.5	< 2	1.60	8	8
1322046001	2.87	27.0	41.4	14.41	0.47	13	< 0.2	< 0.5	15	633	< 1	24	5	96	2.16	< 2	< 10	78	< 0.5	< 2	2.29	12	22
1431001166	1.42	22.7	76.6	53.89	1.25	233	1.0	< 0.5	60	1270	< 1	11	< 2	174	2.50	21	< 10	23	< 0.5	< 2	2.70	20	9
1431001192	2.35	74.2	129	55.05	1.70	293	1.3	0.8	118	1710	< 1	40	6	232	3.02	24	< 10	32	< 0.5	< 2	4.08	33	51
1431001516	2.74	104	164	59.83	1.73	427	2.1	< 0.5	70	1860	< 1	29	< 2	211	2.44	26	< 10	14	< 0.5	< 2	4.82	35	32
1431001182	2.44	55.5	94.1	38.63	1.16	44	0.4	< 0.5	80	1560	< 1	61	< 2	199	3.99	7	< 10	17	< 0.5	< 2	3.77	35	68
F010335						1220																	
F010307						1200																	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1316007037	2.98	< 10	< 1	0.24	14	1.20	0.140	0.045	1.99	5	2	51	0.04	2	2	< 10	19	< 10	3	26	0.15	2.04	None
1315009025	2.67	< 10	< 1	0.19	10	0.85	0.160	0.037	1.87	< 2	1	64	0.01	3	< 2	< 10	10	< 10	2	26	0.16	1.90	None
1316007001	2.61	< 10	< 1	0.15	15	1.11	0.150	0.047	1.59	< 2	1	62	0.03	< 1	< 2	< 10	21	< 10	3	21	0.21	1.70	Slight
1316007081	2.66	< 10	< 1	0.19	12	0.85	0.236	0.042	1.73	2	2	180	0.03	4	< 2	< 10	17	< 10	2	22	0.18	1.82	None
1316007061	3.92	< 10	< 1	0.14	25	1.18	0.176	0.062	3.39	< 2	3	86	0.01	< 1	< 2	< 10	27	< 10	4	25	0.49	3.47	None
1323064001	2.48	< 10	< 1	0.25	24	1.23	0.118	0.069	0.81	< 2	2	80	0.08	< 1	< 2	< 10	25	< 10	3	15	0.45	0.84	Slight
1323064051	3.08	< 10	< 1	0.24	16	1.94	0.070	0.060	0.72	< 2	6	76	0.11	< 1	< 2	< 10	59	< 10	4	17	0.74	0.75	Slight
1323064078	2.36	< 10	< 1	0.29	18	1.07	0.097	0.057	0.59	< 2	1	57	0.04	< 1	< 2	< 10	16	< 10	3	12	0.68	0.59	Slight
1315009709	2.63	< 10	< 1	0.19	14	1.00	0.190	0.042	2.34	2	< 1	165	< 0.01	2	< 2	< 10	9	< 10	2	22	0.04	2.46	None
1315009155	3.64	< 10	< 1	0.17	12	0.95	0.079	0.043	3.26	< 2	< 1	47	0.02	< 1	< 2	< 10	6	< 10	2	33	0.19	3.27	None
F009963																							
F009980																							
1323063246	2.16	< 10	< 1	0.19	15	0.78	0.155	0.043	1.65	< 2	< 1	76	< 0.01	< 1	< 2	< 10	10	< 10	2	17	0.50	1.74	Slight
1432013133	6.56	< 10	< 1	0.13	< 10	2.35	0.041	0.055	3.09	3	6	42	< 0.01	1	< 2	< 10	67	< 10	5	11	1.59	3.26	Slight
1316008078	3.43	< 10	< 1	0.18	13	0.72	0.240	0.042	2.39	< 2	1	118	0.03	3	< 2	< 10	12	< 10	2	30	0.15	2.46	None
1323063237	2.17	< 10	< 1	0.26	13	0.70	0.038	0.041	1.57	< 2	< 1	27	0.01	< 1	< 2	< 10	9	< 10	2	17	0.67	1.63	Slight
1315006116	3.51	< 10	< 1	0.25	32	1.52	0.036	0.065	2.10	< 2	2	89	< 0.01	< 1	< 2	< 10	19	< 10	4	12	0.59	2.18	Slight
1323063129	2.22	< 10	< 1	0.27	15	0.73	0.063	0.045	0.46	< 2	2	29	0.05	< 1	< 2	< 10	19	< 10	3	16	0.56	0.46	Slight
1323063173	2.18	< 10	< 1	0.19	18	1.10	0.041	0.055	0.23	< 2	2	71	0.08	< 1	< 2	< 10	27	< 10	2	12	0.64	0.24	Slight
1323063018	2.35	< 10	< 1	0.25	17	1.38	0.094	0.056	0.59	< 2	2	77	0.08	< 1	< 2	< 10	29	< 10	3	16	0.49	0.59	Slight
1323063176	1.77	< 10	< 1	0.20	18	0.51	0.052	0.052	0.04	< 2	< 1	80	0.06	5	< 2	< 10	13	< 10	2	10	0.55	0.04	Slight
1323063270	2.24	< 10	< 1	0.20	17	0.93	0.053	0.052	0.20	< 2	2	48	0.09	< 1	< 2	< 10	24	< 10	2	15	0.53	0.19	Slight
1323063255	2.34	< 10	< 1	0.34	18	1.13	0.153	0.053	0.27	< 2	2	75	0.10	< 1	< 2	< 10	29	< 10	3	19	0.21	0.26	None
1323063217	2.81	< 10	< 1	0.32	36	1.10	0.114	0.080	0.83	< 2	3	53	0.11	4	< 2	< 10	32	< 10	4	16	0.53	0.84	Slight
1323063209	2.06	< 10	< 1	0.23	18	0.92	0.051	0.058	0.26	< 2	2	58	0.07	< 1	< 2	< 10	23	< 10	2	13	0.51	0.27	Slight
1323063152	1.99	< 10	< 1	0.24	15	0.74	0.166	0.042	1.31	< 2	< 1	88	< 0.01	< 1	< 2	< 10	12	< 10	2	17	0.35	1.37	Slight
1323063273	2.56	< 10	< 1	0.24	23	1.33	0.057	0.067	0.88	< 2	2	54	0.06	< 1	< 2	< 10	25	< 10	3	16	0.48	0.90	Slight
1323063064	2.04	< 10	< 1	0.22	17	0.84	0.045	0.049	0.52	3	1	30	0.05	< 1	< 2	< 10	16	< 10	3	15	0.61	0.51	Slight
1432013060	9.85	10	3	0.09	< 10	2.46	0.045	0.048	3.71	4	10	33	< 0.01	< 1	< 2	< 10	273	< 10	5	7	1.43	4.92	Slight
1323063126	2.68	< 10	< 1	0.46	23	1.00	0.075	0.065	0.54	< 2	2	37	0.09	< 1	< 2	< 10	28	< 10	3	17	0.67	0.55	Slight
1323063031	2.41	< 10	< 1	0.26	18	0.88	0.065	0.052	0.46	< 2	2	31	0.05	< 1	< 2	< 10	20	< 10	3	14	0.76	0.46	Slight
1432013023	6.83	< 10	< 1	0.11	14	1.75	0.031	0.076	3.24	3	6	29	< 0.01	< 1	< 2	< 10	51	< 10	7	10	1.03	3.37	None
1323063036	2.41	< 10	< 1	0.32	14	1.03	0.069	0.052	0.53	< 2	2	42	0.08	2	< 2	< 10	32	< 10	3	15	0.66	0.51	Slight
F009961																							
F009941																							
1322044068	2.31	< 10	< 1	0.29	21	0.87	0.078	0.056	0.68	< 2	2	45	0.07	< 1	< 2	< 10	20	< 10	3	14	0.65	0.71	Slight
1315008049	2.08	< 10	< 1	0.13	13	0.78	0.183	0.039	0.89	< 2	1	97	< 0.01	2	< 2	< 10	14	< 10	2	18	0.18	0.92	None
1315005121	3.49	< 10	< 1	0.30	13	1.70	0.133	0.043	1.11	< 2	1	93	0.04	< 1	< 2	< 10	16	< 10	3	26	0.20	1.21	None
1315005096	4.83	< 10	< 1	0.17	12	1.11	0.183	0.053	4.15	3	2	107	< 0.01	< 1	< 2	< 10	27	< 10	3	36	0.16	4.24	None
1315005022	5.29	< 10	< 1	0.18	14	1.86	0.136	0.066	3.55	2	5	71	0.05	4	< 2	< 10	51	< 10	4	31	0.58	3.61	Slight
1315005031	3.02	< 10	< 1	0.23	14	1.29	0.151	0.052	2.18	< 2	2	87	0.02	< 1	< 2	< 10	17	< 10	3	28	0.39	2.27	None
1315005071	4.12	< 10	< 1	0.17	15	1.76	0.159	0.062	2.55	< 2	3	98	0.02	4	< 2	< 10	27	< 10	3	25	0.53	2.56	None
1431001158	7.39	< 10	< 1	0.08	< 10	2.07	0.037	0.055	1.64	3	12	53	0.03	< 1	< 2	< 10	174	< 10	5	8	2.07	1.86	Slight
1315005058	2.71	< 10	< 1	0.11	15	1.05	0.273	0.055	2.28	< 2	1	154	< 0.01	1	< 2	< 10	15	< 10	3	21	0.21	2.32	None
1431001164	6.06	< 10	< 1	0.13	< 10	1.54	0.062	0.074	2.03	3	7	39	0.05	1	< 2	< 10	47	< 10	7	13	1.30	2.21	Slight
1315005045	3.26	< 10	< 1	0.19	11	1.45	0.197	0.043	2.53	< 2	1	171	< 0.01	< 1	< 2	< 10	14	< 10	2	28	0.23	2.56	None
1315005006	5.12	< 10	< 1	0.16	< 10	1.48	0.182	0.056	3.69	3	3	108	0.04	6	< 2	< 10	52	< 10	4	23	0.19	3.97	None
1315005082	2.62	< 10	< 1	0.15	12	0.98	0.137	0.045	1.92	< 2	1	84	< 0.01	< 1	< 2	< 10	12	< 10	2	25	0.26	2.01	None
1315008034	2.72	< 10	< 1	0.16	10	1.31	0.118	0.044	1.67	3	< 1	73	< 0.01	< 1	< 2	< 10	9	< 10	2	23	0.31	1.80	None
1315008091	1.75	< 10	< 1	0.17	13	0.72	0.207	0.041	0.71	< 2	1	95	< 0.01	1	< 2	< 10	11	< 10	2	11	0.25	0.71	None

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1315008077	3.15	< 10	< 1	0.26	12	1.47	0.102	0.041	0.89	< 2	1	88	0.05	4	< 2	< 10	15	< 10	2	25	0.19	0.92	None
1315008016	2.30	< 10	< 1	0.14	11	0.71	0.149	0.037	1.02	< 2	2	85	0.01	3	< 2	< 10	14	< 10	2	21	0.22	1.11	None
1318080042	2.38	< 10	< 1	0.36	14	1.14	0.161	0.046	2.08	< 2	1	47	0.02	< 1	< 2	< 10	12	< 10	2	25	0.42	2.13	None
1431001220	5.21	< 10	< 1	0.08	< 10	1.49	0.048	0.061	1.48	2	6	49	0.04	5	< 2	< 10	75	< 10	4	10	1.54	1.62	Slight
1315008058	2.06	< 10	< 1	0.20	12	0.82	0.235	0.042	0.89	< 2	1	129	< 0.01	< 1	< 2	< 10	13	< 10	2	14	0.14	0.90	None
F010173																							
F010206																							
1322044047	2.25	< 10	< 1	0.24	17	1.29	0.053	0.061	0.10	< 2	3	59	0.13	1	< 2	< 10	33	< 10	2	17	0.32	0.09	Slight
1322044052	2.20	< 10	< 1	0.21	19	0.89	0.054	0.055	0.21	< 2	2	42	0.09	< 1	< 2	< 10	23	< 10	3	18	0.42	0.20	Slight
1322044025	1.90	< 10	< 1	0.31	15	0.82	0.070	0.045	0.09	< 2	2	58	0.10	< 1	< 2	< 10	22	< 10	2	19	0.35	0.08	Slight
1315009632	4.16	< 10	< 1	0.03	< 10	1.58	0.483	0.021	0.11	2	4	55	0.20	2	< 2	< 10	123	< 10	3	4	0.09	0.11	None
1322044112	2.19	< 10	< 1	0.24	18	0.91	0.045	0.049	0.29	< 2	2	37	0.10	< 1	< 2	< 10	24	< 10	3	20	0.39	0.29	Slight
1322044270	3.81	< 10	< 1	0.32	18	0.98	0.065	0.057	1.15	< 2	3	37	0.12	< 1	< 2	< 10	41	< 10	7	24	0.59	1.21	Slight
1322044214	3.12	< 10	< 1	0.16	< 10	3.41	0.154	0.044	0.14	2	8	49	0.11	8	< 2	< 10	63	< 10	2	10	0.32	0.15	None
1322044178	2.31	< 10	< 1	0.32	16	0.93	0.202	0.050	0.45	< 2	2	103	0.08	< 1	< 2	< 10	26	< 10	3	15	0.46	0.44	Slight
1322044180	2.29	< 10	< 1	0.30	19	1.08	0.191	0.054	0.42	< 2	2	105	0.09	2	< 2	< 10	25	< 10	3	16	0.42	0.43	Slight
1322045121	2.06	< 10	< 1	0.23	16	0.70	0.125	0.045	1.28	< 2	< 1	49	0.01	< 1	< 2	< 10	9	< 10	2	16	0.48	1.31	Slight
1322044113	1.93	< 10	< 1	0.21	16	0.89	0.050	0.049	0.30	< 2	2	38	0.09	1	< 2	< 10	22	< 10	3	16	0.44	0.28	Slight
1322044220	2.15	< 10	< 1	0.21	13	0.83	0.041	0.046	0.57	< 2	1	23	0.02	< 1	< 2	< 10	13	< 10	3	13	0.71	0.57	Slight
1322044306	3.17	< 10	< 1	0.14	< 10	3.24	0.159	0.044	0.09	3	9	56	0.12	1	< 2	< 10	65	< 10	3	10	0.37	0.10	Slight
1322044204	1.68	< 10	< 1	0.20	16	0.86	0.066	0.047	0.15	< 2	1	84	0.08	< 1	< 2	< 10	17	< 10	2	13	0.23	0.15	Slight
1322044255	1.85	< 10	< 1	0.16	18	0.73	0.048	0.058	0.29	< 2	2	58	0.06	< 1	< 2	< 10	18	< 10	2	12	0.56	0.29	Slight
1322044312	3.11	< 10	< 1	0.09	< 10	2.69	0.127	0.031	0.18	< 2	8	77	0.09	< 1	< 2	< 10	56	< 10	2	6	0.37	0.18	Slight
1322044117	2.19	< 10	< 1	0.19	16	1.05	0.062	0.054	0.39	< 2	2	29	0.08	1	< 2	< 10	23	< 10	2	10	0.69	0.35	Slight
1322044237	2.15	< 10	2	0.25	14	0.85	0.151	0.042	0.89	2	1	46	0.05	1	< 2	< 10	23	< 10	2	17	0.33	0.93	None
1322044184	2.02	< 10	< 1	0.24	16	0.72	0.137	0.043	1.34	< 2	< 1	45	0.01	< 1	< 2	< 10	7	< 10	2	16	0.42	1.34	None
F010192																							
F010188																							
1323064025	2.28	< 10	< 1	0.41	16	1.05	0.060	0.049	0.51	< 2	2	38	0.06	2	< 2	< 10	20	< 10	3	19	0.64	0.49	Slight
1323064035	2.62	< 10	< 1	0.30	26	0.97	0.103	0.075	1.02	< 2	2	49	0.10	1	< 2	< 10	24	< 10	3	17	0.42	1.11	None
1315009672	2.40	< 10	< 1	0.15	14	0.91	0.186	0.046	2.24	< 2	1	119	< 0.01	< 1	< 2	< 10	9	< 10	2	21	0.17	2.24	None
1315009737	3.78	< 10	< 1	0.39	15	1.49	0.060	0.047	2.61	< 2	3	30	0.02	< 1	< 2	< 10	23	< 10	3	25	0.07	2.63	None
1322045047	1.75	< 10	< 1	0.25	17	0.35	0.014	0.055	1.14	3	< 1	53	0.02	1	< 2	< 10	5	< 10	1	13	0.76	1.17	Slight
1315009653	2.39	< 10	< 1	0.13	14	0.84	0.149	0.046	2.26	4	1	93	< 0.01	3	< 2	< 10	10	< 10	2	24	0.17	2.28	None
1315009504	3.79	< 10	< 1	0.19	12	1.33	0.091	0.048	1.97	< 2	2	40	0.04	1	< 2	< 10	32	< 10	3	20	0.25	2.08	None
1315009692	4.57	< 10	< 1	0.02	< 10	1.82	0.456	0.021	0.09	2	5	65	0.25	< 1	< 2	< 10	135	< 10	3	5	0.12	0.09	None
1322045051	4.12	< 10	< 1	0.10	< 10	1.50	0.428	0.025	0.14	< 2	4	58	0.20	2	< 2	< 10	115	< 10	3	7	0.25	0.15	None
1315009503	3.10	< 10	< 1	0.17	12	1.30	0.133	0.043	1.52	< 2	2	53	0.04	< 1	< 2	< 10	28	< 10	3	18	0.25	1.65	None
1315009733	3.96	< 10	< 1	0.02	< 10	1.76	0.506	0.018	0.06	3	4	61	0.18	< 1	< 2	< 10	104	< 10	3	4	0.11	0.07	None
1322045132	2.13	< 10	< 1	0.27	15	0.30	0.020	0.042	2.14	< 2	< 1	27	< 0.01	< 1	< 2	< 10	4	< 10	2	19	0.75	2.10	Slight
1322045103	1.91	< 10	< 1	0.25	< 10	0.43	0.022	0.040	1.86	3	< 1	16	< 0.01	< 1	< 2	< 10	5	< 10	2	19	0.62	1.83	Slight
1315009731	4.62	< 10	< 1	0.02	< 10	1.89	0.437	0.023	0.16	< 2	5	62	0.22	4	< 2	< 10	122	< 10	3	6	0.11	0.16	None
1315009522	2.60	< 10	< 1	0.21	13	1.32	0.191	0.042	1.24	< 2	1	76	0.04	3	< 2	< 10	20	< 10	3	17	0.18	1.30	None
1315009748	4.49	< 10	< 1	0.20	18	1.12	0.130	0.055	4.20	3	1	57	< 0.01	2	< 2	< 10	12	< 10	3	27	0.13	4.32	None
F010161																							
F010193																							
1315010081	1.79	< 10	< 1	0.11	14	0.85	0.198	0.043	0.74	< 2	1	98	0.01	< 1	< 2	< 10	13	< 10	2	13	0.14	0.75	None
1315010130	3.36	< 10	< 1	0.53	35	1.14	0.081	0.111	1.28	3	4	105	0.09	1	< 2	< 10	38	< 10	4	13	0.43	1.30	None
1431001209	10.3	10	3	0.08	< 10	2.17	0.065	0.097	3.66	5	14	65	0.07	2	< 2	< 10	133	< 10	10	10	1.66	5.06	None
1431001232	8.20	< 10	< 1	0.12	< 10	2.11	0.059	0.051	3.39	4	13	51	< 0.01	< 1	< 2	< 10	117	< 10	7	7	1.91	4.89	None

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1322044156	2.90	< 10	< 1	0.21	< 10	3.25	0.167	0.041	0.08	4	9	82	0.08	< 1	< 2	< 10	63	< 10	2	10	0.35	0.08	None
1315010001	2.39	< 10	< 1	0.17	< 10	0.53	0.245	0.042	1.82	< 2	< 1	136	0.02	< 1	< 2	< 10	10	< 10	2	17	0.14	1.89	None
1315010142	2.50	10	< 1	0.10	12	1.20	0.276	0.041	0.59	< 2	1	240	< 0.01	2	< 2	< 10	15	< 10	2	9	0.09	0.59	None
1315010126	3.11	< 10	< 1	0.15	15	0.79	0.184	0.046	1.24	< 2	1	84	0.04	5	< 2	< 10	11	< 10	2	23	0.14	1.30	None
1315010129	3.32	< 10	< 1	0.57	28	1.31	0.072	0.104	1.08	< 2	5	102	0.09	< 1	< 2	< 10	43	< 10	4	16	0.50	1.19	None
1315010068	2.79	< 10	< 1	0.09	14	1.04	0.164	0.042	0.85	< 2	1	136	0.01	3	< 2	< 10	14	< 10	2	14	0.11	0.90	None
1321034026	2.02	< 10	< 1	0.21	14	0.75	0.026	0.041	1.51	2	< 1	21	< 0.01	< 1	< 2	< 10	8	< 10	2	22	0.52	1.56	None
1315010103	2.79	< 10	< 1	0.10	< 10	0.74	0.121	0.040	0.93	< 2	1	67	0.03	< 1	< 2	< 10	11	< 10	2	16	0.18	0.95	None
1321034014	1.93	< 10	< 1	0.19	15	0.62	0.021	0.043	1.59	< 2	< 1	20	0.01	< 1	< 2	< 10	5	< 10	2	19	0.50	1.63	None
1315010009	2.62	< 10	< 1	0.07	13	0.93	0.116	0.038	1.03	< 2	1	81	0.01	1	< 2	< 10	13	< 10	2	18	0.19	1.13	None
1315010013	3.06	< 10	< 1	0.13	11	0.93	0.186	0.036	1.21	< 2	1	125	0.02	< 1	< 2	< 10	12	< 10	2	21	0.17	1.31	None
F010165																							
F010210																							
1432087043	1.76	< 10	< 1	0.12	12	0.61	0.061	0.046	0.75	< 2	1	51	< 0.01	< 1	< 2	< 10	12	< 10	2	9	0.72	0.74	None
1432087017	1.74	< 10	< 1	0.11	14	0.64	0.050	0.045	0.70	< 2	1	29	< 0.01	< 1	< 2	< 10	14	< 10	2	8	0.50	0.71	None
1431001584	10.5	10	2	0.06	< 10	3.30	0.018	0.050	0.85	5	11	37	0.09	7	< 2	< 10	457	< 10	4	5	1.06	0.99	Slight
1431001191	9.40	10	3	0.23	< 10	2.20	0.158	0.079	2.28	4	14	65	0.14	2	< 2	< 10	166	< 10	9	8	1.36	2.61	None
1431001278	10.7	20	2	0.33	< 10	2.15	0.200	0.120	3.94	5	14	77	0.15	< 1	< 2	< 10	108	< 10	11	11	1.30	4.71	None
1431001608	8.52	10	< 1	0.14	< 10	2.72	0.050	0.049	0.93	3	9	25	0.14	4	< 2	< 10	202	< 10	6	4	1.17	1.03	None
1431001454	9.95	10	< 1	0.11	< 10	2.73	0.070	0.053	3.75	5	17	52	0.14	4	< 2	< 10	347	10	6	7	1.98	4.64	None
1431001582	10.1	10	< 1	0.08	< 10	2.77	0.026	0.045	1.34	3	17	39	0.14	2	< 2	< 10	469	< 10	6	5	1.62	1.61	None
1431001541	6.81	< 10	< 1	0.08	< 10	2.31	0.062	0.046	3.42	4	7	38	< 0.01	< 1	< 2	< 10	81	< 10	5	12	1.54	3.68	None
1323065099	3.03	< 10	< 1	0.34	19	1.24	0.098	0.059	0.44	< 2	4	65	0.07	1	< 2	< 10	49	< 10	4	13	0.73	0.48	None
1431001189	9.80	10	2	0.34	< 10	2.61	0.093	0.087	3.55	4	12	80	0.12	7	< 2	< 10	159	< 10	7	10	1.91	4.70	None
1431001127	9.90	10	2	0.15	< 10	2.11	0.121	0.075	3.93	4	12	49	0.13	4	< 2	< 10	203	< 10	7	9	0.92	4.23	Slight
1431001143	5.51	< 10	< 1	0.13	11	1.68	0.036	0.072	1.48	< 2	6	47	0.02	< 1	< 2	< 10	51	< 10	5	9	1.65	1.67	None
1323065012	2.08	< 10	< 1	0.19	21	0.92	0.136	0.059	0.26	< 2	2	61	0.04	< 1	< 2	< 10	19	< 10	3	5	0.26	0.27	Slight
1431001578	8.30	10	< 1	0.22	< 10	2.55	0.154	0.050	1.78	3	8	51	0.14	1	< 2	< 10	200	< 10	5	4	1.30	1.99	Slight
F010325																							
F010333																							
1321034090	1.57	< 10	< 1	0.25	< 10	0.08	0.016	0.046	1.68	< 2	< 1	18	< 0.01	< 1	< 2	< 10	4	< 10	1	13	0.39	1.75	None
1322046062	2.62	< 10	< 1	0.23	20	1.13	0.054	0.066	0.61	5	3	71	0.07	< 1	< 2	< 10	40	< 10	4	16	0.62	0.76	None
1322046035	2.24	< 10	< 1	0.06	10	1.67	0.095	0.030	0.23	< 2	9	56	0.10	4	< 2	< 10	55	< 10	3	14	0.67	0.24	Slight
1321034075	2.10	< 10	< 1	0.20	< 10	0.13	0.019	0.040	2.17	3	< 1	20	< 0.01	< 1	< 2	< 10	4	< 10	1	15	0.29	2.29	Slight
1322046074	2.16	< 10	< 1	0.06	< 10	1.53	0.116	0.037	0.19	< 2	11	98	0.14	5	< 2	< 10	68	< 10	3	8	0.75	0.20	None
1322046024	2.91	< 10	< 1	0.24	< 10	3.20	0.131	0.041	0.09	3	7	75	0.08	3	< 2	< 10	61	< 10	2	7	0.43	0.09	Slight
1322046023	2.91	< 10	< 1	0.22	< 10	3.30	0.117	0.042	0.06	4	7	85	0.07	< 1	< 2	< 10	59	< 10	2	7	0.53	0.07	None
1321094003	1.54	< 10	< 1	0.17	11	0.39	0.013	0.044	1.21	2	< 1	8	< 0.01	1	< 2	< 10	3	< 10	1	7	0.40	1.41	None
1315010089	2.85	10	< 1	0.11	15	1.08	0.207	0.040	0.84	< 2	1	179	< 0.01	< 1	< 2	< 10	15	< 10	2	12	0.07	0.89	Slight
1321094016	1.60	< 10	< 1	0.23	< 10	0.47	0.016	0.042	1.56	3	< 1	21	< 0.01	< 1	< 2	< 10	4	< 10	2	15	0.61	1.66	None
1432087021	1.52	< 10	< 1	0.12	14	0.65	0.050	0.042	0.46	< 2	1	29	0.01	< 1	< 2	< 10	14	< 10	2	7	0.54	0.52	None
1322046001	2.56	< 10	< 1	0.33	20	1.30	0.141	0.069	0.52	< 2	3	166	0.09	1	< 2	< 10	41	< 10	3	13	0.57	0.62	Slight
1431001166	6.92	< 10	< 1	0.10	< 10	1.66	0.040	0.076	1.77	3	8	37	0.07	4	< 2	< 10	76	< 10	7	12	1.18	2.13	Slight
1431001192	8.40	10	< 1	0.33	< 10	2.29	0.096	0.094	1.87	4	12	85	0.13	2	< 2	< 10	142	< 10	8	10	1.87	2.33	Slight
1431001516	9.31	10	< 1	0.06	< 10	2.82	0.022	0.078	2.03	3	17	86	0.08	< 1	< 2	< 10	272	< 10	5	7	2.69	2.49	Slight
1431001182	9.48	10	< 1	0.12	< 10	2.64	0.140	0.068	1.34	5	9	62	0.12	< 1	< 2	< 10	223	< 10	5	5	1.22	1.62	Slight
F010335																							
F010307																							

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1316007037	8.89	
1315009025	8.69	
1316007001	9.05	
1316007081	8.87	
1316007061	8.47	
1323064001	9.31	
1323064051	9.41	
1323064078	9.45	
1315009709	8.64	
1315009155	8.54	
F009963		5.69
F009980		
1323063246	8.98	
1432013133	8.74	
1316008078	8.53	
1323063237	9.09	
1315006116	8.98	
1323063129	9.59	
1323063173	9.40	
1323063018	9.36	
1323063176	9.59	
1323063270	9.60	
1323063255	9.63	
1323063217	9.37	
1323063209	9.67	
1323063152	9.15	
1323063273	9.43	
1323063064	9.41	
1432013060	8.47	
1323063126	9.43	
1323063031	9.47	
1432013023	8.49	
1323063036	9.30	
F009961		
F009941		
1322044068	9.43	
1315008049	9.27	
1315005121	9.01	
1315005096	8.22	
1315005022	8.62	
1315005031	8.72	
1315005071	8.70	
1431001158	8.81	
1315005058	8.76	
1431001164	8.74	
1315005045	8.80	
1315005006	8.38	
1315005082	8.71	
1315008034	8.89	

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1315008091	9.30	
1315008077	9.02	
1315008016	9.13	
1318080042	9.00	
1431001220	8.86	
1315008058	9.20	
F010173		
F010206		
1322044047	9.76	
1322044052	9.58	
1322044025	9.69	
1315009632	9.09	
1322044112	9.59	
1322044270	9.11	
1322044214	9.48	
1322044178	9.36	
1322044180	9.45	
1322045121	9.15	
1322044113	9.57	
1322044220	9.51	
1322044306	9.53	
1322044204	9.68	
1322044255	9.76	
1322044312	9.39	
1322044117	9.47	
1322044237	9.31	
1322044184	9.14	
F010192		
F010188		
1323064025	9.48	
1323064035	9.12	
1315009672	8.59	
1315009737	8.55	
1322045047	9.05	
1315009653	8.58	
1315009504	5.67	
1315009692	8.85	
1322045051	9.14	
1315009503	8.81	
1315009733	8.92	
1322045132	8.82	
1322045103	9.05	
1315009731	8.84	
1315009522	9.09	
1315009748	8.31	
F010161		
F010193		
1315010081	9.11	
1315010130	8.99	
1431001209	8.15	

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1431001232	8.45	
1322044156	9.57	
1315010001	8.84	
1315010142	9.09	
1315010126	8.81	
1315010129	8.99	
1315010068	8.86	
1321034026	8.89	
1315010103	8.82	
1321034014	8.93	
1315010009	8.86	
1315010013	8.85	
F010165		5.61
F010210		5.61
1432087043	9.37	
1432087017	9.37	
1431001584	8.82	
1431001191	8.47	
1431001278	8.03	
1431001608	8.82	
1431001454	8.35	
1431001582	8.62	
1431001541	8.73	
1323065099	9.42	
1431001189	8.39	
1431001127	8.34	
1431001143	8.81	
1323065012	9.42	
1431001578	8.65	
F010325		
F010333		
1321034090	9.11	
1322046062	9.39	
1322046035	9.30	
1321034075	8.64	
1322046074	9.29	
1322046024	9.45	
1322046023	9.46	
1321094003	8.94	
1315010089	8.93	
1321094016	8.99	
1432087021	9.47	
1322046001	9.02	
1431001166	8.59	
1431001192	8.59	
1431001516	8.56	
1431001182	8.82	
F010335		
F010307		

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Meas					42.4																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.9																		
BaSO4 Cert					41.94																		
BaSO4 Meas					42.0																		
BaSO4 Cert					41.94																		
BaSO4 Meas					40.5																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.9																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.7																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.9																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.1																		
BaSO4 Cert					41.94																		
BaSO4 Meas					41.9																		
BaSO4 Cert					41.94																		
BaSO4 Meas					40.7																		
BaSO4 Cert					41.94																		
BaSO4 Meas					42.0																		
BaSO4 Cert					41.94																		
BaSO4 Meas					42.0																		
BaSO4 Cert					41.94																		
OREAS 98 (Aqua Regia) Meas							39.3		> 10000				290	1150						< 2		105	
OREAS 98 (Aqua Regia) Cert							42.8		147000				343	1300						90		111	
OREAS 98 (Aqua Regia) Meas							40.5		> 10000				295	1190						< 2		108	
OREAS 98 (Aqua Regia) Cert							42.8		147000				343	1300						90		111	
OREAS 98 (Aqua Regia) Meas							38.0		> 10000				287	1170						55		102	
OREAS 98 (Aqua Regia) Cert							42.8		147000				343	1300						93		111	
RTS-3a Meas					29.7																		
RTS-3a Cert					29.90																		
RTS-3a Meas					29.5																		
RTS-3a Cert					29.90																		
RTS-3a Meas					29.4																		
RTS-3a Cert					29.90																		
RTS-3a Meas					29.2																		
RTS-3a Cert					29.90																		
RTS-3a Meas					29.3																		
RTS-3a Cert					29.90																		
RTS-3a Meas					29.4																		
RTS-3a Cert					29.90																		
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas					0.06																		
SiO2 Cert																							
SiO2 Meas					0.06																		
SiO2 Cert																							
SiO2 Meas					0.06																		
SiO2 Cert																							
SiO2 Meas					< 0.05																		
SiO2 Cert																							
SiO2 Meas					< 0.05																		
SiO2 Cert																							
SiO2 Meas					< 0.05																		
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2130	766	< 1	32	64	264	2.56	4		69	0.7	8	0.41	19	45
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.7	< 0.5	2160	781	< 1	34	68	265	2.60	5		67	0.7	3	0.40	19	45
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2270	837	< 1	34	63	256	2.67	5		71	0.8	3	0.42	20	45
OREAS 922							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas							2.1	< 0.5	4160	883	< 1	31	91	341	2.64	5		57	0.7	12	0.41	21	42
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.9	< 0.5	4260	890	< 1	33	93	347	2.66	5		56	0.7	15	0.41	22	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.6	< 0.5	4290	907	< 1	35	83	331	2.66	6		56	0.7	15	0.42	23	42
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
Oreas 96 (Aqua Regia) Meas							10.7		> 10000				94	416						< 2		45	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.8		> 10000				96	419						< 2		46	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.9		> 10000				94	412						9		46	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas						3070																	
OREAS 238 (Fire Assay) Cert						3030																	
OREAS 238 (Fire Assay) Meas						3080																	
OREAS 238 (Fire Assay) Cert						3030																	
OREAS 238 (Fire Assay) Meas						3090																	
OREAS 238 (Fire Assay) Cert						3030																	
OREAS 238 (Fire Assay) Meas						3110																	
OREAS 238 (Fire Assay) Cert						3030																	
OREAS 238 (Fire Assay) Meas						3020																	
OREAS 238 (Fire Assay) Cert						3030																	
OREAS 238 (Fire Assay) Meas						3050																	

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert						3030																	
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
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GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas						528																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						518																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						516																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						509																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						519																	
Oreas E1336 (Fire Assay) Cert						510.000																	
Oreas E1336 (Fire Assay) Meas						498																	
Oreas E1336 (Fire Assay) Cert						510.000																	
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas							39.8	162	1680	460	9	13	> 5000	> 10000	1.11	48		11	0.6	< 2	1.35	13	18
Oreas 620 (Aqua Regia) Cert							38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17
Oreas 620 (Aqua Regia) Meas							42.1	172	1730	463	9	14	> 5000	> 10000	1.19	51		< 10	0.7	< 2	1.41	14	17
Oreas 620 (Aqua Regia) Cert							38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17
Oreas 620 (Aqua Regia) Meas							43.9	163	1900	479	10	14	> 5000	> 10000	1.22	50		14	0.7	< 2	1.44	14	17
Oreas 620 (Aqua Regia) Cert							38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17
1315009155 Orig					0.72	201																	
1315009155 Dup					0.79	238																	
1315006116 Orig							0.7	2.4	95	681	1	14	6	652	1.77	22	< 10	15	< 0.5	4	1.45	11	12
1315006116 Dup							0.6	2.3	100	683	1	13	5	642	1.78	26	< 10	15	< 0.5	3	1.46	12	13
1323063018 Orig						12																	
1323063018 Dup						12																	
1323063176 Orig					0.15																		
1323063176 Dup					0.15																		
1323063255 Orig																							
1323063255 Dup																							
1323063152 Orig							0.8	< 0.5	26	563	< 1	9	23	113	1.91	30	< 10	43	< 0.5	< 2	1.76	7	7
1323063152 Dup							0.6	< 0.5	25	555	< 1	9	23	110	1.88	32	< 10	40	< 0.5	< 2	1.74	7	7
1323063031 Orig						15																	
1323063031 Dup						15																	
1323063036 Orig																							
1323063036 Dup																							
1322044068 Orig					0.63																		
1322044068 Dup					0.57																		
1315005071 Orig						169																	
1315005071 Dup						184																	
1431001164 Orig					1.47																		
1431001164 Dup					1.34																		
1315005045 Orig																							
1315005045 Dup																							
1315005082 Orig							0.6	< 0.5	94	335	2	11	3	100	1.77	13	< 10	35	< 0.5	4	1.05	9	9
1315005082 Dup							0.8	< 0.5	94	335	2	12	2	93	1.79	14	< 10	35	< 0.5	4	1.05	9	9
1315008091 Orig	0.777	-4.09	14.2	18.34																			
1315008091 Dup	0.763	-4.34	14.0	18.34																			
1431001220 Orig						82																	
1431001220 Dup						83																	
1322044047 Orig																							
1322044047 Dup																							

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1322044025 Orig					0.23																		
1322044025 Dup					0.23																		
1322044178 Orig							0.3	< 0.5	28	675	< 1	13	6	164	2.33	4	< 10	58	< 0.5	< 2	2.38	9	12
1322044178 Dup							0.4	< 0.5	27	681	< 1	12	5	168	2.34	5	< 10	60	< 0.5	< 2	2.38	9	12
1322045121 Orig						157																	
1322045121 Dup						146																	
1322044220 Orig					0.69																		
1322044220 Dup					0.67																		
1322044184 Orig																							
1322044184 Dup																							
1323064035 Orig						18																	
1323064035 Dup						20																	
1315009672 Orig																							
1315009672 Dup																							
1315009737 Orig							< 0.2	< 0.5	30	322	< 1	13	2	65	2.20	3	< 10	22	< 0.5	2	0.69	12	19
1315009737 Dup							< 0.2	< 0.5	29	322	< 1	14	4	64	2.16	3	< 10	26	< 0.5	3	0.69	12	19
1315009653 Orig					0.81																		
1315009653 Dup					0.85																		
1322045132 Orig						107																	
1322045132 Dup						96																	
1315009731 Orig																							
1315009731 Dup																							
1315009522 Orig					0.55																		
1315009522 Dup					0.54																		
1322044156 Orig						23																	
1322044156 Dup						24																	
1315010001 Orig	0.239	-38.9	12.2	51.16																			
1315010001 Dup	0.229	-39.4	11.7	51.16																			
1315010126 Orig																							
1315010126 Dup																							
1315010103 Orig					0.41																		
1315010103 Dup					0.41																		
1315010013 Orig						158																	
1315010013 Dup						161																	
1432087043 Orig							< 0.2	< 0.5	64	259	2	11	3	37	0.97	5	< 10	38	< 0.5	< 2	2.27	8	12
1432087043 Dup							< 0.2	< 0.5	64	255	2	10	3	37	0.96	5	< 10	39	< 0.5	< 2	2.24	8	13
1431001191 Orig																							
1431001191 Dup																							
1431001608 Orig					0.91																		
1431001608 Dup					0.86																		
1431001189 Orig						1500																	
1431001189 Dup						1530																	
1323065012 Orig																							
1323065012 Dup																							
1321034075 Orig					0.82																		
1321034075 Dup					0.83																		
1322046024 Orig							< 0.2	< 0.5	39	453	< 1	278	< 2	50	2.04	6	< 10	92	< 0.5	< 2	2.03	36	707
1322046024 Dup							< 0.2	< 0.5	38	433	< 1	261	2	46	1.94	5	< 10	88	< 0.5	< 2	1.94	35	668
1322046023 Orig						28																	
1322046023 Dup						19																	

Analyte Symbol	NPR	NNP	Modified-NP	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	Ratio	-	kg CaCO3/t	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	Calc	Calc	TITR	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1321094016 Orig																							
1321094016 Dup																							
1431001166 Orig					1.25																		
1431001166 Dup					1.20																		
1431001192 Orig						293																	
1431001192 Dup						306																	
1431001182 Orig	2.44	55.5	94.1	38.63		44																	
1431001182 Dup	2.44	55.6	94.2	38.63		43																	
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						5																	
Method Blank						5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank						< 5																	
Method Blank																							
Method Blank																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
BaSO4 Meas																						14.5	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.0	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.0	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.7	
BaSO4 Cert																						14.0	
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas										16													
OREAS 98 (Aqua Regia) Cert										15													
OREAS 98 (Aqua Regia) Meas										17													
OREAS 98 (Aqua Regia) Cert										15													
OREAS 98 (Aqua Regia) Meas										19													
OREAS 98 (Aqua Regia) Cert										15													
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																					1.09	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.01	0.54	
GS311-4 Cert																					1.11	0.54	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
GS311-4 Meas																					1.01	0.52	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.12	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.58	
GS311-4 Cert																					1.11	0.54	
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
SiO2 Meas																					< 0.01	< 0.01	
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	5.01	< 10		0.38	33	1.28	0.026	0.065	0.35	6	4	16			< 2	< 10	33	< 10	16	18			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.15	< 10		0.38	34	1.31	0.025	0.065	0.34	2	4	16			< 2	< 10	33	< 10	16	17			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.27	< 10		0.40	34	1.34	0.028	0.068	0.37	3	4	16			< 2	< 10	34	< 10	16	20			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
OREAS 923 (AQUA REGIA) Meas	5.90	< 10		0.34	31	1.39		0.063	0.64	2	4	14			< 2	< 10	33	< 10	15	24			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.04	< 10		0.33	31	1.42		0.063	0.63	3	4	14			< 2	< 10	33	< 10	14	23			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	5.96	< 10		0.33	30	1.41		0.061	0.63	4	4	15			< 2	< 10	33	< 10	14	23			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
Oreas 96 (Aqua Regia) Meas									3.28	5													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.35	7													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.49	6													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
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OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
GS316-3 Meas																					0.04	0.33	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.35	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.33	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.33	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.33	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.35	
GS316-3 Cert																					0.0600	0.340	
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																					8.67	15.6	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					7.44	14.7	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					7.75	14.8	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					8.27	14.6	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					8.22	15.1	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					8.10	14.8	
GS317-5 Cert																					8.46	15.5	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
GS317-5 Meas																					8.43	14.8	
GS317-5 Cert																					8.46	15.5	
GS317-5 Meas																					8.07	15.3	
GS317-5 Cert																					8.46	15.5	
Oreas 620 (Aqua Regia) Meas	2.51	< 10	2	0.26	24	0.26	0.113	0.032	2.36	57		19			< 2	< 10	8	< 10	6	64			
Oreas 620 (Aqua Regia) Cert	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57			
Oreas 620 (Aqua Regia) Meas	2.68	< 10	2	0.28	25	0.28	0.121	0.033	2.51	65		20			< 2	< 10	9	< 10	7	62			
Oreas 620 (Aqua Regia) Cert	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57			
Oreas 620 (Aqua Regia) Meas	2.75	< 10	2	0.29	25	0.28	0.124	0.033	2.63	58		20			< 2	< 10	9	< 10	7	57			
Oreas 620 (Aqua Regia) Cert	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57			
1315009155 Orig																					0.19	3.27	
1315009155 Dup																					0.19	3.29	
1315006116 Orig	3.51	< 10	< 1	0.25	32	1.52	0.036	0.065	2.10	< 2	2	89	< 0.01	< 1	< 2	< 10	19	< 10	4	12			
1315006116 Dup	3.55	< 10	< 1	0.25	32	1.54	0.037	0.066	2.13	< 2	2	90	< 0.01	< 1	< 2	< 10	19	< 10	4	13			
1323063018 Orig																							
1323063018 Dup																							
1323063176 Orig																							
1323063176 Dup																							
1323063255 Orig																					0.21	0.26	
1323063255 Dup																					0.20	0.26	
1323063152 Orig	1.99	< 10	< 1	0.24	15	0.74	0.166	0.042	1.31	< 2	< 1	88	< 0.01	< 1	< 2	< 10	12	< 10	2	17			
1323063152 Dup	2.00	< 10	< 1	0.24	15	0.73	0.161	0.043	1.33	< 2	< 1	86	< 0.01	< 1	< 2	< 10	11	< 10	2	16			
1323063031 Orig																							
1323063031 Dup																							
1323063036 Orig																					0.66	0.51	
1323063036 Dup																					0.66	0.53	
1322044068 Orig																							
1322044068 Dup																							
1315005071 Orig																							
1315005071 Dup																							
1431001164 Orig																							
1431001164 Dup																							
1315005045 Orig																					0.23	2.56	
1315005045 Dup																					0.22	2.62	
1315005082 Orig	2.62	< 10	< 1	0.15	12	0.98	0.137	0.045	1.92	< 2	1	84	< 0.01	< 1	< 2	< 10	12	< 10	2	25			
1315005082 Dup	2.63	< 10	< 1	0.15	13	0.99	0.139	0.044	1.92	< 2	1	84	< 0.01	2	< 2	< 10	12	< 10	2	24			
1315008091 Orig																							None
1315008091 Dup																							None
1431001220 Orig																							
1431001220 Dup																							
1322044047 Orig																					0.32	0.09	
1322044047 Dup																					0.32	0.10	
1322044025 Orig																							
1322044025 Dup																							
1322044178 Orig	2.31	< 10	< 1	0.32	16	0.93	0.202	0.050	0.45	< 2	2	103	0.08	< 1	< 2	< 10	26	< 10	3	15			
1322044178 Dup	2.30	< 10	< 1	0.32	16	0.93	0.208	0.050	0.43	< 2	2	105	0.09	< 1	< 2	< 10	25	< 10	3	16			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1322045121 Orig																							
1322045121 Dup																							
1322044220 Orig																					0.71	0.57	
1322044220 Dup																					0.72	0.58	
1322044184 Orig																							
1322044184 Dup																							
1323064035 Orig																							
1323064035 Dup																							
1315009672 Orig																					0.17	2.24	
1315009672 Dup																					0.17	2.21	
1315009737 Orig	3.78	< 10	< 1	0.39	15	1.49	0.060	0.047	2.61	< 2	3	30	0.02	< 1	< 2	< 10	23	< 10	3	25			
1315009737 Dup	3.71	< 10	< 1	0.38	16	1.49	0.059	0.047	2.53	< 2	3	30	0.02	3	< 2	< 10	23	< 10	3	25			
1315009653 Orig																							
1315009653 Dup																							
1322045132 Orig																							
1322045132 Dup																							
1315009731 Orig																					0.11	0.16	
1315009731 Dup																					0.12	0.16	
1315009522 Orig																							
1315009522 Dup																							
1322044156 Orig																							
1322044156 Dup																							
1315010001 Orig																							None
1315010001 Dup																							None
1315010126 Orig																					0.14	1.30	
1315010126 Dup																					0.15	1.33	
1315010103 Orig																					0.18	0.95	
1315010103 Dup																					0.18	0.97	
1315010013 Orig																							
1315010013 Dup																							
1432087043 Orig	1.76	< 10	< 1	0.12	12	0.61	0.061	0.046	0.75	< 2	1	51	< 0.01	< 1	< 2	< 10	12	< 10	2	9			
1432087043 Dup	1.74	< 10	< 1	0.12	12	0.60	0.062	0.045	0.75	< 2	1	52	< 0.01	2	< 2	< 10	12	< 10	2	9			
1431001191 Orig																					1.36	2.61	
1431001191 Dup																					1.36	2.61	
1431001608 Orig																							
1431001608 Dup																							
1431001189 Orig																							
1431001189 Dup																							
1323065012 Orig																					0.26	0.27	
1323065012 Dup																					0.27	0.27	
1321034075 Orig																					0.29	2.29	
1321034075 Dup																					0.29	2.29	
1322046024 Orig	2.91	< 10	< 1	0.24	< 10	3.20	0.131	0.041	0.09	3	7	75	0.08	3	< 2	< 10	61	< 10	2	7			
1322046024 Dup	2.74	< 10	< 1	0.23	< 10	3.02	0.124	0.040	0.09	3	6	71	0.08	< 1	< 2	< 10	58	< 10	2	8			
1322046023 Orig																							
1322046023 Dup																							
1321094016 Orig																					0.61	1.66	
1321094016 Dup																					0.61	1.66	
1431001166 Orig																							
1431001166 Dup																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Fizz Rating
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS	none
1431001192 Orig																					1.87	2.33	
1431001192 Dup																					1.86	2.33	
1431001182 Orig																							Slight
1431001182 Dup																							Slight
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
NBM-1 (slight fzz) Meas	8.71	
NBM-1 (slight fzz) Cert	8.53	
NBM-1 (slight fzz) Meas	8.40	
NBM-1 (slight fzz) Cert	8.53	
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
(AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		12.0
OREAS 229b (Fire Assay) Cert		11.95
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
OREAS 257b (Fire Assay) Meas		13.6
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
1315009155 Orig		
1315009155 Dup		
1315006116 Orig		
1315006116 Dup		
1323063018 Orig		
1323063018 Dup		
1323063176 Orig		
1323063176 Dup		
1323063255 Orig		
1323063255 Dup		
1323063152 Orig		
1323063152 Dup		
1323063031 Orig		
1323063031 Dup		
1323063036 Orig		
1323063036 Dup		
1322044068 Orig		
1322044068 Dup		
1315005071 Orig		
1315005071 Dup		
1431001164 Orig		
1431001164 Dup		
1315005045 Orig		
1315005045 Dup		
1315005082 Orig		
1315005082 Dup		
1315008091 Orig		
1315008091 Dup		
1431001220 Orig		
1431001220 Dup		
1322044047 Orig		
1322044047 Dup		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1322044025 Orig		
1322044025 Dup		
1322044178 Orig		
1322044178 Dup		
1322045121 Orig		
1322045121 Dup		
1322044220 Orig		
1322044220 Dup		
1322044184 Orig	9.14	
1322044184 Dup	9.14	
1323064035 Orig		
1323064035 Dup		
1315009672 Orig		
1315009672 Dup		
1315009737 Orig		
1315009737 Dup		
1315009653 Orig		
1315009653 Dup		
1322045132 Orig		
1322045132 Dup		
1315009731 Orig		
1315009731 Dup		
1315009522 Orig		
1315009522 Dup		
1322044156 Orig		
1322044156 Dup		
1315010001 Orig		
1315010001 Dup		
1315010126 Orig		
1315010126 Dup		
1315010103 Orig		
1315010103 Dup		
1315010013 Orig		
1315010013 Dup		
1432087043 Orig		
1432087043 Dup		
1431001191 Orig		
1431001191 Dup		
1431001608 Orig		
1431001608 Dup		
1431001189 Orig		
1431001189 Dup		
1323065012 Orig		
1323065012 Dup		
1321034075 Orig		
1321034075 Dup		
1322046024 Orig		
1322046024 Dup		
1322046023 Orig		
1322046023 Dup		

Analyte Symbol	Paste pH	Au
Unit Symbol	pH	g/tonne
Lower Limit	0.01	0.02
Method Code	pH Meter	FA-GRA
1321094016 Orig		
1321094016 Dup		
1431001166 Orig		
1431001166 Dup		
1431001192 Orig		
1431001192 Dup		
1431001182 Orig	8.82	
1431001182 Dup	8.80	
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-14587**
Report Date: **30-Dec-22**
Date Submitted: **07-Oct-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre
555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Laura Battison

CERTIFICATE OF ANALYSIS

230 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-10-17 07:16:24
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-10-20 17:25:19
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-10-31 15:01:00

REPORT **A22-14587**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

ACTIVATION LABORATORIES LTD.
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

Report No.: **A22-14587**
Report Date: **30-Dec-22**
Date Submitted: **07-Oct-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre
555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Laura Battison

CERTIFICATE OF ANALYSIS

230 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2022-11-22 21:02:07
4F-C, S	Infrared	2022-11-23 21:40:00

REPORT **A22-14587**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1314005026	Slight	-75.8	8.40	14.7	0.162	90.49	0.57	960	1.3	< 0.5	181	404	< 1	7	3	47	1.75	20	28	23	< 0.5	13	0.72
1314005006	None	-12.1	8.75	10.2	0.458	22.30	0.26	117	< 0.2	< 0.5	125	434	< 1	40	< 2	48	4.51	< 2	33	24	< 0.5	< 2	2.72
1314005088	Slight	11.4	9.20	28.3	1.68	16.88	0.25	21	< 0.2	0.5	27	699	< 1	9	< 2	195	1.48	6	35	59	< 0.5	< 2	1.10
1314003092	Slight	-11.1	8.71	16.0	0.589	27.10	0.29	451	0.4	< 0.5	237	258	< 1	7	6	36	2.63	10	28	35	< 0.5	< 2	1.44
1314005003	None	-65.3	8.54	9.48	0.127	74.77	0.55	117	0.3	< 0.5	103	580	1	15	3	75	1.86	4	32	28	< 0.5	3	0.77
1314005542	None	-27.9	8.53	9.62	0.257	37.47	0.35	207	< 0.2	< 0.5	78	350	< 1	25	< 2	34	3.73	3	30	46	< 0.5	< 2	2.00
1314003053	Slight	-22.7	8.60	14.9	0.397	37.61	0.40	291	< 0.2	< 0.5	122	416	< 1	9	< 2	53	3.32	8	29	28	< 0.5	< 2	1.37
1314003145	Slight	1.29	9.38	15.7	1.09	14.40	0.18	114	< 0.2	< 0.5	76	246	< 1	5	< 2	31	2.80	6	29	41	< 0.5	< 2	1.54
1314005528	Slight	-9.63	8.88	33.1	0.775	42.75	0.56	127	0.6	1.1	129	682	2	8	6	346	1.33	10	30	41	< 0.5	< 2	1.28
1314005524	Slight	-17.4	8.84	21.3	0.551	38.74	0.44	252	0.9	< 0.5	69	557	1	17	3	123	1.81	20	31	41	< 0.5	< 2	1.23
1314005057	Slight	-31.3	8.84	12.0	0.277	43.23	0.41	259	0.5	< 0.5	167	514	< 1	10	3	72	1.85	16	26	44	< 0.5	3	0.73
1314003082	None	-32.9	8.58	12.3	0.272	45.11	0.44	478	0.5	< 0.5	492	307	3	8	< 2	37	2.36	9	30	31	< 0.5	3	1.00
1314002129	Slight	-23.6	8.78	17.7	0.429	41.27	0.42	561	0.5	< 0.5	157	344	1	10	< 2	126	2.57	11	30	40	< 0.5	< 2	0.99
1314003178	Slight	-1.35	8.95	14.3	0.914	15.69	0.21	> 5000	1.0	< 0.5	29	299	1	7	2	41	1.87	5	29	35	< 0.5	< 2	0.91
1314002137	None	-100	8.11	13.4	0.118	113.48	0.84	203	1.0	< 0.5	146	328	< 1	14	12	73	2.10	46	27	14	< 0.5	7	0.98
1314002013	Slight	103	8.90	125	5.62	22.34	0.48	41	< 0.2	< 0.5	25	898	< 1	219	< 2	208	3.17	5	28	43	< 0.5	< 2	3.60
F010766								1210															
F010758								1180															
1432017057	None	-206	6.61	7.10	0.0333	213.14	1.61	848	2.1	0.6	230	2800	< 1	65	< 2	684	2.64	45	24	< 10	< 0.5	3	0.32
1432017081	None	-66.1	8.49	68.9	0.511	135.01	1.37	161	0.7	< 0.5	91	1560	2	39	< 2	180	1.80	20	24	22	< 0.5	< 2	1.93
1432017133	Slight	44.3	8.77	78.9	2.28	34.68	0.55	179	1.6	1.0	137	1330	< 1	77	3	378	2.73	22	27	21	< 0.5	< 2	2.75
1432017198	None	-60.7	7.82	12.2	0.167	72.85	1.14	142	3.2	14.1	154	1850	< 1	134	< 2	2920	4.66	29	26	19	< 0.5	< 2	0.39
1323070012	Slight	42.5	9.46	47.3	9.78	4.84	0.24	37	< 0.2	< 0.5	40	527	1	9	< 2	65	1.17	4	32	66	< 0.5	< 2	1.63
1432017141	None	-146	7.84	10.7	0.0682	156.82	1.51	504	5.3	5.6	226	1670	< 1	50	< 2	1280	3.87	59	25	18	< 0.5	< 2	0.38
1432018178	Slight	14.1	8.49	38.7	1.57	24.64	0.36	136	0.6	< 0.5	42	770	< 1	27	< 2	92	2.22	30	32	46	< 0.5	< 2	1.76
1432018064	Slight	34.0	8.76	81.3	1.72	47.31	0.73	366	2.0	0.8	313	1420	6	82	< 2	191	3.62	14	25	29	< 0.5	< 2	2.90
1432018025	Slight	53.6	8.58	127	1.73	73.29	1.17	148	0.6	< 0.5	102	1680	< 1	81	< 2	159	2.95	24	21	21	< 0.5	3	3.34
1432018196	None	-86.8	8.14	12.7	0.128	99.46	0.89	501	4.6	1.3	154	1010	< 1	67	3	473	3.21	34	27	27	< 0.5	< 2	0.74
1432018195	None	-88.0	7.76	8.94	0.0922	96.95	0.78	299	4.8	2.1	138	793	< 1	59	< 2	658	3.44	26	29	32	< 0.5	3	0.41
1323070130	Slight	51.4	9.69	57.0	10.2	5.57	0.28	40	< 0.2	< 0.5	54	485	1	15	< 2	37	1.36	< 2	31	63	< 0.5	< 2	2.11
1432018804	Slight	28.2	9.01	70.9	1.66	42.70	0.46	113	0.5	< 0.5	22	661	2	14	4	162	1.75	175	28	44	< 0.5	< 2	2.04
1432017149	None	-11.8	8.69	31.3	0.726	43.16	0.57	205	1.0	0.5	73	894	1	21	15	183	1.33	22	29	43	< 0.5	< 2	1.63
1314012101	None	-73.7	8.41	6.74	0.0837	80.47	0.54	141	0.3	< 0.5	57	383	< 1	8	3	226	1.95	4	26	29	< 0.5	3	0.82
1432018137	None	-87.8	8.06	9.62	0.0988	97.37	0.98	79	0.7	1.7	70	1100	< 1	33	5	458	1.86	24	25	19	< 0.5	< 2	0.49
1314012215	Slight	-51.0	8.20	20.6	0.287	71.59	0.59	2140	0.4	0.5	306	457	< 1	8	3	215	2.53	10	26	31	< 0.5	5	1.61
1314012117	None	-37.4	8.45	15.2	0.289	52.56	0.51	720	0.8	< 0.5	167	843	< 1	13	< 2	119	2.42	21	27	41	< 0.5	4	0.96
F010763								> 5000															
F010779								> 5000															
1323069181	Slight	14.3	9.04	35.3	1.68	21.01	0.26	41	< 0.2	< 0.5	23	554	9	11	< 2	92	1.83	8	31	44	< 0.5	< 2	1.73
1323069069	Slight	50.2	9.29	59.2	6.56	9.02	0.33	49	< 0.2	0.7	23	544	< 1	8	3	240	1.26	8	31	55	< 0.5	< 2	1.89
1431007084	Slight	-3.68	8.73	33.0	0.900	36.67	0.42	334	2.9	1.2	110	538	1	14	< 2	371	1.41	20	31	40	< 0.5	< 2	1.38
1323069175	Slight	36.1	9.24	51.3	3.37	15.23	0.39	68	< 0.2	< 0.5	18	492	< 1	26	< 2	75	1.71	10	31	77	< 0.5	< 2	2.02
1431007261	Slight	21.2	8.97	61.2	1.53	39.95	0.48	167	0.7	1.1	58	710	< 1	23	3	183	2.68	9	30	63	< 0.5	< 2	2.70
1431007212	Slight	12.3	8.60	59.0	1.26	46.70	0.67	72	0.5	1.0	59	739	< 1	31	3	242	2.97	7	31	30	< 0.5	< 2	2.74
1431007150	Slight	11.8	8.60	65.8	1.22	53.91	0.72	303	2.4	3.0	86	799	< 1	25	3	590	2.39	12	26	39	< 0.5	< 2	2.01
1323069114	Slight	43.3	9.40	49.2	8.33	5.91	0.28	21	< 0.2	< 0.5	27	612	< 1	26	5	86	1.59	5	33	165	< 0.5	< 2	1.89
1323069063	Slight	46.9	9.45	56.2	6.01	9.37	0.36	43	< 0.2	< 0.5	20	680	< 1	10	2	118	1.31	10	33	75	< 0.5	< 2	2.02
1431007061	Slight	-17.8	8.68	44.6	0.715	62.41	0.73	677	6.3	< 0.5	120	775	2	32	3	184	3.01	11	28	21	< 0.5	< 2	2.21
1431007349	Slight	52.5	8.62	107	1.96	54.88	1.26	422	5.1	1.5	136	1470	< 1	106	8	401	5.15	15	27	42	< 0.5	< 2	3.63

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1314012114	None	-46.3	8.53	11.9	0.205	58.20	0.64	211	0.5	3.9	63	984	< 1	12	4	1170	2.71	18	29	31	< 0.5	2	0.94
1323070023	Slight	28.4	9.48	39.0	3.69	10.55	0.29	38	< 0.2	< 0.5	25	473	< 1	9	< 2	51	1.29	5	28	86	< 0.5	< 2	1.38
1323069001	Slight	38.3	9.38	53.7	3.50	15.33	0.34	51	0.2	< 0.5	30	702	3	10	2	79	1.22	12	29	59	< 0.5	< 2	1.94
1323070047	Slight	35.1	9.51	39.0	10.1	3.85	0.20	30	< 0.2	< 0.5	68	420	2	7	< 2	46	1.11	4	29	36	< 0.5	< 2	1.44
1323070039	Slight	33.0	9.42	42.4	4.54	9.34	0.25	59	0.2	< 0.5	47	521	2	8	3	48	1.15	4	30	66	< 0.5	< 2	1.53
1314012169	None	-53.0	8.32	16.0	0.232	68.99	0.76	214	0.7	3.9	97	743	< 1	13	6	1500	1.88	21	26	26	< 0.5	7	0.87
1431007276	Slight	31.3	8.53	111	1.39	79.77	1.15	521	7.6	1.0	46	1310	< 1	87	3	296	4.18	13	27	28	< 0.5	< 2	3.68
1431007284	Slight	22.7	8.54	79.5	1.40	56.74	0.99	77	0.5	< 0.5	61	1200	< 1	107	5	128	5.59	9	24	45	< 0.5	< 2	3.97
1431007260	Slight	2.45	8.65	81.6	1.03	79.19	1.09	87	0.6	< 0.5	24	967	< 1	62	3	125	3.66	6	25	35	< 0.5	2	3.07
1314012226	None	-36.4	8.52	16.7	0.315	53.17	0.44	179	0.7	< 0.5	154	530	< 1	8	5	82	2.43	23	29	35	< 0.5	3	1.15
1431007401	Slight	51.5	8.42	146	1.54	94.67	1.67	348	2.0	1.1	101	1690	< 1	45	3	282	2.77	29	27	20	< 0.5	< 2	3.75
1431007089	Slight	7.10	8.72	64.9	1.12	57.83	0.58	157	1.4	0.5	23	792	2	11	3	192	1.57	38	23	33	< 0.5	< 2	2.28
F010761								1050															
F010747								1020															
1314002020	None	-54.7	8.44	9.13	0.143	63.79	0.45	209	0.4	< 0.5	41	338	< 1	15	< 2	101	1.51	17	24	26	< 0.5	4	0.48
1323068141	Slight	34.8	8.26	82.4	1.73	47.59	2.62	318	0.9	< 0.5	169	1160	< 1	60	< 2	372	3.24	9	25	36	< 0.5	< 2	2.83
1314002125	None	-14.6	8.89	13.4	0.478	28.04	0.26	178	0.2	< 0.5	58	358	2	8	< 2	104	2.39	6	27	51	< 0.5	< 2	1.01
1314002169	None	-41.2	8.59	16.9	0.291	58.12	0.48	346	0.4	< 0.5	68	325	3	10	< 2	64	2.65	13	28	30	< 0.5	< 2	1.38
1314002160	Slight	4.47	8.85	21.8	1.26	17.33	0.24	724	< 0.2	< 0.5	139	347	3	10	< 2	100	2.29	10	28	53	< 0.5	< 2	1.21
1323069066	Slight	44.7	9.32	51.6	7.48	6.90	0.31	38	< 0.2	< 0.5	16	617	< 1	11	3	84	1.30	7	29	62	< 0.5	< 2	1.87
1323068013	Slight	15.0	8.51	42.3	1.55	27.38	0.92	112	1.0	1.2	82	869	1	36	29	475	2.58	18	26	54	< 0.5	< 2	1.79
1323068050	Slight	36.3	9.17	44.4	5.50	8.06	0.56	26	0.3	< 0.5	36	681	< 1	24	17	137	2.60	7	23	60	< 0.5	< 2	1.81
1323069131	Slight	44.5	8.92	52.2	6.78	7.70	0.47	43	< 0.2	< 0.5	56	588	1	38	5	149	1.18	9	29	36	< 0.5	< 2	1.89
1323069343	Slight	22.5	9.10	49.7	1.83	27.12	0.52	106	0.8	1.1	54	559	1	8	< 2	312	1.16	12	31	61	< 0.5	< 2	1.66
1323068401	Slight	25.6	8.57	42.7	2.50	17.06	0.33	28	< 0.2	0.7	36	485	< 1	10	< 2	266	1.64	6	27	42	< 0.5	< 2	1.85
1323068418	Slight	30.9	9.20	40.9	4.08	10.02	0.30	13	< 0.2	< 0.5	13	536	< 1	16	3	77	2.74	6	30	80	< 0.5	< 2	2.30
1323069064	Slight	46.4	9.31	55.5	6.10	9.11	0.37	36	0.2	< 0.5	37	658	< 1	10	2	147	1.29	7	27	50	< 0.5	< 2	1.99
1323069141	Slight	32.3	9.15	52.6	2.60	20.27	0.39	42	< 0.2	< 0.5	33	546	< 1	9	3	115	1.28	12	27	54	< 0.5	< 2	1.92
1323069324	Slight	32.1	9.16	48.2	3.00	16.08	0.34	69	0.2	< 0.5	34	446	1	10	< 2	92	1.19	10	27	46	< 0.5	< 2	1.78
1323069043	Slight	41.7	9.45	50.7	5.62	9.02	0.29	31	< 0.2	< 0.5	11	582	< 1	9	3	79	1.37	8	28	56	< 0.5	< 2	1.90
1323069311	Slight	42.4	9.59	49.1	7.28	6.75	0.32	30	< 0.2	< 0.5	52	582	1	8	< 2	74	1.21	5	32	70	< 0.5	< 2	1.74
1323069051	Slight	36.4	9.46	38.3	20.6	1.86	0.29	13	< 0.2	< 0.5	10	474	3	14	< 2	74	1.24	2	31	79	< 0.5	< 2	1.41
1323069035	Slight	37.7	9.40	42.4	9.05	4.68	0.36	25	< 0.2	< 0.5	17	562	< 1	9	< 2	77	1.34	6	30	72	< 0.5	< 2	1.74
1323069019	Slight	44.5	9.51	46.5	23.8	1.96	0.28	14	< 0.2	< 0.5	21	464	< 1	9	4	99	1.11	3	28	39	< 0.5	< 2	1.77
1323070412	Slight	32.8	9.57	42.9	4.24	10.12	0.30	52	< 0.2	< 0.5	36	459	1	10	< 2	48	1.40	7	31	79	< 0.5	< 2	1.55
1323069167	Slight	54.0	9.32	59.3	11.1	5.33	0.24	27	< 0.2	< 0.5	26	623	< 1	35	< 2	131	3.24	5	33	122	< 0.5	< 2	2.96
F010762								1200															
F010748								1230															
1432017113	None	-41.2	8.42	17.0	0.292	58.14	1.41	187	1.6	5.1	193	3210	< 1	102	< 2	1530	3.92	25	25	24	< 0.5	< 2	0.90
1431007375	Slight	-35.0	8.10	101	0.743	135.92	2.07	334	3.2	1.3	176	1480	< 1	125	< 2	400	4.26	22	26	22	< 0.5	< 2	3.28
1431007037	Slight	-14.3	8.67	37.2	0.723	51.52	0.59	357	2.7	1.6	38	634	< 1	15	3	459	1.30	40	26	46	< 0.5	< 2	1.23
1431007290	Slight	26.2	8.41	118	1.28	92.21	1.35	193	1.7	0.6	70	1480	< 1	143	< 2	199	4.20	6	24	28	< 0.5	< 2	3.64
1431007035	None	-8.22	8.65	38.7	0.825	46.94	0.57	241	1.7	0.5	15	830	1	13	3	190	1.65	28	24	42	< 0.5	< 2	1.29
1431007158	Slight	14.4	8.64	69.2	1.26	54.78	0.67	136	0.9	0.9	29	727	1	13	3	276	1.43	61	24	34	< 0.5	< 2	2.18
1431007246	Slight	45.5	8.72	105	1.76	59.86	0.91	129	0.4	< 0.5	41	1330	< 1	116	< 2	177	4.33	9	23	38	< 0.5	< 2	3.36
1431007156	Slight	5.40	8.79	59.5	1.10	54.08	0.62	258	1.9	1.0	38	751	1	16	4	302	1.61	57	21	36	< 0.5	< 2	2.06
1432017404	Slight	13.8	8.90	67.7	1.25	53.95	0.79	113	0.3	0.8	213	1320	< 1	24	< 2	189	2.10	12	24	39	< 0.5	< 2	2.10
1431007233	Slight	14.2	8.85	62.0	1.30	47.74	0.53	229	1.1	1.6	27	832	1	11	2	447	1.95	16	25	48	< 0.5	< 2	2.26
1431007234	Slight	9.77	8.92	52.7	1.23	42.90	0.44	187	0.6	< 0.5	11	677	2	11	3	115	1.88	14	26	47	< 0.5	< 2	2.14

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1431007206	Slight	40.9	9.20	62.2	2.92	21.26	0.40	30	0.3	< 0.5	42	668	< 1	30	4	144	3.56	7	27	93	< 0.5	< 2	2.89
1432017011	Slight	-58.1	8.43	28.4	0.328	86.54	1.00	51	0.3	< 0.5	114	1540	< 1	45	< 2	287	3.71	12	22	22	< 0.5	3	1.49
1432017044	None	-196	8.83	8.50	0.0416	204.20	1.75	412	1.2	2.7	238	3430	1	48	< 2	794	1.67	19	23	< 10	< 0.5	< 2	0.46
1432017116	Slight	24.4	7.68	71.3	1.52	46.89	0.73	388	3.0	1.6	99	1650	< 1	54	3	593	2.06	29	23	32	< 0.5	< 2	2.56
1432017073	Slight	-87.5	7.70	17.4	0.166	104.93	1.12	358	1.1	0.8	116	1870	< 1	46	3	522	2.05	18	25	13	< 0.5	< 2	0.74
1432017031	None	-106	7.15	9.58	0.0828	115.66	1.59	232	0.4	1.2	71	2900	3	46	3	537	2.16	18	23	12	< 0.5	3	0.55
1432017118	Slight	-13.1	8.53	47.2	0.782	60.29	0.81	351	1.8	1.8	113	1070	2	33	23	514	2.05	20	25	30	< 0.5	< 2	1.78
F010756								> 5000															
F010746								> 5000															
1314003210	None	-15.5	8.73	16.7	0.519	32.17	0.31	227	< 0.2	< 0.5	41	374	2	13	2	124	2.87	8	29	54	< 0.5	< 2	1.38
1314003077	None	-30.3	8.61	7.73	0.203	38.03	0.33	516	0.6	< 0.5	456	224	< 1	3	< 2	24	2.53	7	24	43	< 0.5	8	1.17
1314003066	None	-31.5	8.66	11.3	0.264	42.84	0.39	877	0.6	< 0.5	331	272	< 1	4	< 2	39	2.88	8	28	44	< 0.5	5	1.47
1314003132	None	-11.7	8.89	9.22	0.441	20.88	0.17	255	0.2	< 0.5	136	278	1	7	< 2	32	2.99	9	30	31	< 0.5	< 2	1.64
1314002060	Slight	-2.51	8.79	35.7	0.934	38.18	0.38	108	0.4	< 0.5	38	410	< 1	41	2	129	2.17	10	25	34	< 0.5	3	1.51
1314003014	None	-21.2	8.15	8.18	0.278	29.37	0.32	231	0.3	< 0.5	183	346	1	10	< 2	37	2.50	6	27	34	< 0.5	5	0.78
1314003209	None	8.09	8.75	42.7	1.23	34.59	0.50	79	0.2	< 0.5	33	340	1	16	4	182	2.53	11	30	45	< 0.5	2	1.93
1314003549	Slight	-19.0	8.33	2.25	0.106	21.24	0.25	201	< 0.2	< 0.5	50	262	< 1	6	5	41	2.07	7	30	62	< 0.5	< 2	1.23
1314002131	Slight	-43.6	8.00	16.2	0.271	59.84	0.63	215	0.5	< 0.5	209	347	6	11	< 2	71	2.09	12	26	23	< 0.5	3	1.08
1314003531	Slight	-20.5	8.61	30.1	0.595	50.61	0.40	128	0.2	< 0.5	118	307	3	9	< 2	101	2.76	10	25	32	< 0.5	< 2	1.58
1314003528	None	-55.4	8.50	3.94	0.0664	59.32	0.47	96	0.4	< 0.5	67	313	2	13	4	121	2.39	9	26	27	< 0.5	< 2	1.28
1314003520	None	-6.34	8.93	13.1	0.674	19.47	0.15	108	< 0.2	< 0.5	26	289	1	7	< 2	56	2.07	4	25	43	< 0.5	< 2	1.03
1314002140	None	-56.6	8.39	24.1	0.298	80.72	0.71	89	0.3	< 0.5	25	317	< 1	44	< 2	46	2.64	12	25	24	< 0.5	3	1.66
1323068082	Slight	62.4	8.50	99.8	2.67	37.40	1.15	109	0.8	0.7	146	1380	< 1	41	< 2	316	3.45	12	24	24	< 0.5	< 2	3.04
1314002100	Slight	-35.4	8.32	18.5	0.343	53.81	0.63	220	0.8	1.0	82	611	< 1	15	2	334	2.29	14	30	23	< 0.5	< 2	1.41
1323068031	None	-80.9	8.14	53.0	0.396	133.97	2.53	1440	18.1	5.3	120	1220	< 1	49	4	1540	2.90	59	24	< 10	< 0.5	< 2	2.05
1314002045	Slight	5.64	8.33	43.4	1.15	37.73	0.52	163	< 0.2	< 0.5	38	491	1	67	< 2	133	2.17	10	28	48	< 0.5	< 2	1.63
1323068011	Slight	4.06	8.55	55.2	1.08	51.11	1.96	78	1.0	1.4	97	1350	< 1	54	2	486	2.94	15	27	40	< 0.5	< 2	1.95
1323068164	Slight	86.2	8.21	128	3.06	41.75	2.00	157	1.0	2.0	78	1780	< 1	47	< 2	484	4.22	9	29	30	< 0.5	< 2	3.69
1314002096	None	-34.2	8.76	11.6	0.253	45.82	0.48	136	0.4	1.4	48	633	1	10	< 2	413	2.33	16	32	33	< 0.5	< 2	1.18
1314002177	None	-75.5	7.78	30.2	0.286	105.69	0.97	531	0.7	< 0.5	78	458	1	35	3	79	2.71	41	26	13	< 0.5	7	1.21
F010757								336															
F010745								345															
1324079155	Slight	28.8	9.79	28.8	0.000	< 0.01	0.30	39	< 0.2	< 0.5	31	551	< 1	9	3	67	1.24	13	27	52	< 0.5	< 2	1.83
1324079129	Slight	63.3	9.15	79.9	4.83	16.53	0.46	63	0.3	< 0.5	34	741	< 1	7	< 2	69	1.06	19	25	52	< 0.5	< 2	2.19
1324079001	Slight	45.5	9.68	51.4	8.67	5.94	0.36	51	< 0.2	< 0.5	31	454	< 1	9	< 2	40	1.21	7	27	43	< 0.5	< 2	1.98
1431099044	Slight	89.0	8.81	104	6.97	14.91	0.41	38	< 0.2	< 0.5	101	906	< 1	148	< 2	66	3.02	8	28	12	< 0.5	< 2	3.39
1324079403	Slight	42.8	9.45	48.1	9.08	5.29	0.28	25	< 0.2	< 0.5	30	468	< 1	11	2	57	1.25	3	28	64	< 0.5	< 2	1.55
1324081403	Slight	49.2	9.35	59.5	5.78	10.30	0.35	39	< 0.2	< 0.5	88	637	< 1	48	3	53	1.66	5	28	153	< 0.5	< 2	2.80
1324081001	Slight	73.8	9.66	82.2	9.80	8.39	0.25	35	< 0.2	< 0.5	24	488	< 1	11	< 2	42	1.15	4	28	37	< 0.5	< 2	1.80
1324081409	Slight	31.4	9.46	40.8	4.33	9.44	0.26	78	< 0.2	< 0.5	29	375	3	8	2	39	1.10	3	29	56	< 0.5	< 2	1.45
1324081044	Slight	47.6	9.71	52.3	11.2	4.68	0.25	21	< 0.2	< 0.5	19	377	1	10	< 2	31	1.12	< 2	31	50	< 0.5	< 2	1.74
1324081013	Slight	39.8	9.80	43.8	11.1	3.94	0.25	30	< 0.2	< 0.5	38	379	< 1	9	< 2	39	1.08	3	30	53	< 0.5	< 2	1.78
1324081203	Slight	58.5	9.77	59.5	62.0	0.96	0.29	16	< 0.2	< 0.5	22	463	1	9	< 2	40	1.28	4	26	56	< 0.5	< 2	2.28
1314005105	None	-80.2	7.64	11.1	0.122	91.32	0.63	105	0.6	< 0.5	17	347	< 1	8	6	63	1.57	20	25	19	< 0.5	3	0.83
1324081034	Slight	6.41	8.47	31.4	1.26	24.96	0.46	156	0.3	< 0.5	40	381	< 1	10	< 2	34	1.20	5	33	55	< 0.5	< 2	1.44
1314005606	None	-81.7	8.45	6.80	0.0768	88.54	0.56	102	0.3	< 0.5	9	240	< 1	7	3	53	1.88	30	28	19	< 0.5	3	0.86
1314005049	None	-95.9	7.58	7.46	0.0721	103.37	0.61	636	0.7	< 0.5	217	415	< 1	7	3	54	1.47	14	26	11	< 0.5	8	0.46
1314005013	None	-73.1	8.14	14.0	0.161	87.07	0.59	115	0.3	< 0.5	68	494	< 1	14	< 2	51	1.90	9	28	23	< 0.5	3	0.95
1324081225	Slight	48.6	9.50	56.0	7.58	7.39	0.34	87	< 0.2	< 0.5	53	429	2	9	< 2	28	1.11	6	27	62	< 0.5	< 2	1.93

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
F010744								545															
F010759								541															
1314010156	None	-45.3	8.57	8.78	0.162	54.05	0.45	> 5000	4.5	< 0.5	332	265	< 1	3	< 2	84	2.45	10	24	30	< 0.5	24	1.03
1314010043	Slight	6.76	8.69	40.5	1.20	33.74	0.41	416	0.3	< 0.5	213	363	2	37	3	52	2.16	6	27	56	< 0.5	< 2	1.75
1314010611	None	-8.30	9.02	15.0	0.643	23.27	0.30	111	0.5	< 0.5	216	241	15	9	< 2	59	2.18	8	28	59	< 0.5	< 2	0.73
1318083002	None	-18.8	8.78	47.9	0.719	66.73	0.91	149	3.3	7.6	41	1310	< 1	17	203	2000	1.67	91	29	30	< 0.5	< 2	1.93
1322049108	Slight	-28.5	8.47	37.9	0.571	66.48	2.38	241	2.6	4.7	133	1730	< 1	64	< 2	835	3.72	12	29	20	< 0.5	< 2	2.92
1318083038	Slight	-54.9	8.68	18.0	0.247	72.91	0.91	275	4.9	8.8	67	1220	< 1	22	112	2040	1.79	114	31	29	< 0.5	< 2	1.18
1314010024	Slight	-39.3	8.55	13.0	0.248	52.32	0.47	641	0.5	< 0.5	366	227	< 1	4	< 2	68	2.23	12	26	34	< 0.5	3	1.17
1322049170	Slight	30.4	9.25	35.7	6.70	5.34	0.28	29	< 0.2	< 0.5	17	504	< 1	12	< 2	120	2.36	7	28	80	< 0.5	< 2	1.39
1314010606	Slight	-77.8	8.42	14.8	0.160	92.63	0.71	341	1.0	< 0.5	59	284	< 1	16	2	57	2.54	26	24	20	< 0.5	8	1.05
1318083100	Slight	-126	8.15	14.0	0.0998	139.92	1.23	1180	18.8	6.6	1130	703	< 1	13	624	1620	1.19	281	25	15	< 0.5	5	0.49
1314010180	Slight	-51.5	8.68	20.0	0.279	71.52	0.67	264	1.2	0.9	128	698	< 1	17	< 2	400	2.01	20	21	21	< 0.5	2	0.74
1314010190	None	-32.7	8.57	9.24	0.220	41.92	0.35	68	< 0.2	< 0.5	73	225	7	8	< 2	38	2.37	4	31	22	< 0.5	< 2	0.78
1318083059	Slight	-80.4	8.41	16.7	0.172	97.07	1.16	527	9.4	11.0	297	1210	< 1	18	169	2530	2.04	142	28	24	< 0.5	6	0.60
1322049068	Slight	46.2	8.30	99.1	1.87	52.88	1.69	43	0.6	< 0.5	90	1540	< 1	57	< 2	207	3.53	12	26	41	< 0.5	< 2	3.21
1322049031	Slight	28.7	9.10	51.0	2.29	22.28	0.50	89	0.4	0.9	43	658	< 1	22	2	330	2.38	12	29	42	< 0.5	< 2	2.08
1322049116	Slight	-48.6	8.40	50.5	0.510	99.18	2.02	666	10.5	4.4	159	1220	< 1	60	< 2	950	3.52	37	26	13	< 0.5	< 2	1.99
1322049053	Slight	-30.2	8.36	37.4	0.553	67.65	2.51	191	1.8	1.2	120	1960	< 1	54	< 2	452	3.77	19	25	30	< 0.5	< 2	2.03
F011931								> 5000															
F011947								> 5000															
GC22-2023-009FD	None	5.89	8.75	31.9	1.23	25.99	0.29	78	< 0.2	< 0.5	78	274	1	9	< 2	35	2.68	2	27	35	< 0.5	< 2	0.71
GC22-5031-009FD	Slight	-36.5	8.34	10.4	0.223	46.94	0.40	316	0.4	< 0.5	179	366	< 1	1	< 2	36	2.41	3	26	30	< 0.5	19	0.77
1321073245	Slight	22.4	8.78	58.4	1.62	36.00	0.97	86	1.2	0.5	26	901	< 1	12	15	146	1.15	52	31	37	< 0.5	< 2	2.37
1321075401	Slight	39.6	8.89	84.6	1.88	45.03	0.37	100	1.4	0.8	46	1410	< 1	31	10	336	3.71	13	32	30	< 0.5	< 2	3.21
1321073304	Slight	-8.83	8.96	30.5	0.775	39.29	0.19	141	0.8	0.7	26	709	< 1	7	45	251	1.86	27	34	44	< 0.5	< 2	1.55
GC22-2023-011	None	-7.81	8.84	9.49	0.548	17.29	0.27	156	0.3	< 0.5	203	363	1	7	< 2	33	2.80	3	28	46	< 0.5	< 2	0.86
GC22-0307-013	Slight	-26.9	8.53	11.0	0.290	37.86	0.26	1680	0.2	< 0.5	104	230	< 1	3	< 2	23	1.89	4	26	45	< 0.5	< 2	0.77
GC22-5027-015	None	-11.7	8.79	13.0	0.527	24.72	0.20	105	1.0	< 0.5	524	161	23	7	< 2	29	1.76	6	26	26	< 0.5	< 2	0.45
GC22-2009-005	None	-15.3	8.64	5.99	0.281	21.31	0.48	196	0.3	< 0.5	30	419	1	7	< 2	53	2.36	4	29	50	< 0.5	3	0.47
GC22-2024-009FD	Slight	12.0	8.85	41.6	1.41	29.63	0.18	273	0.3	< 0.5	83	780	1	40	< 2	118	3.06	8	28	23	< 0.5	< 2	1.53
GC22-2004-010	Slight	1.26	9.03	15.7	1.09	14.47	0.22	74	< 0.2	< 0.5	110	393	1	7	< 2	58	3.38	2	26	33	< 0.5	3	1.41
GC22-2007-009FD	Slight	-3.00	9.02	12.9	0.812	15.93	0.19	67	< 0.2	< 0.5	85	334	< 1	7	< 2	38	3.02	13	26	26	< 0.5	< 2	1.52
GC22-2014-009	Slight	-18.6	8.77	11.9	0.390	30.47	0.41	103	0.4	< 0.5	241	265	2	14	< 2	34	1.74	7	27	53	< 0.5	< 2	0.65
1321073232	Slight	-0.314	8.98	35.4	0.991	35.75	0.45	100	0.8	0.9	30	721	< 1	10	53	276	1.61	30	31	42	< 0.5	< 2	1.73
1321073429	Slight	13.6	9.07	50.5	1.37	36.91	0.48	104	1.1	0.5	31	963	< 1	8	66	193	1.61	38	32	41	< 0.5	< 2	2.20
1321073288	Slight	16.7	8.99	49.1	1.52	32.37	0.16	207	23.3	0.7	13	2760	< 1	8	165	277	0.59	67	29	47	< 0.5	< 2	1.50
GC22-2012-002	None	-1.19	8.83	11.9	0.909	13.07	0.33	78	< 0.2	< 0.5	64	396	1	6	< 2	47	4.22	5	29	47	< 0.5	< 2	1.77
1321079122	Slight	29.7	9.40	38.9	4.20	9.28	0.57	38	0.4	< 0.5	22	652	< 1	12	7	141	1.43	10	31	69	< 0.5	< 2	1.79
1321073444	Slight	5.23	8.80	53.1	1.11	47.87	0.38	490	25.0	1.4	46	1590	< 1	8	161	479	0.47	46	29	35	< 0.5	< 2	2.03
F011916								1070															
F011933								1030															
1323070002	Slight	40.2	9.50	51.3	4.64	11.05	0.14	43	< 0.2	< 0.5	42	568	< 1	9	3	64	1.27	5	29	65	< 0.5	< 2	1.55
1314012122	Slight	16.8	9.04	21.4	4.66	4.60	0.15	24	< 0.2	< 0.5	125	456	< 1	41	< 2	48	5.12	< 2	28	15	< 0.5	< 2	3.17
1323070124	Slight	60.2	8.65	60.2	0.000	< 0.01	1.44	37	< 0.2	< 0.5	47	452	< 1	14	< 2	36	1.31	4	29	77	< 0.5	< 2	2.23
1432018085	Slight	-139	9.39	37.8	0.214	176.83	0.28	111	0.5	0.9	156	1810	< 1	55	< 2	482	3.35	18	25	13	< 0.5	3	0.92

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1323070092	Slight	60.8	7.98	60.8	0.000	< 0.01	29.6	33	< 0.2	< 0.5	39	449	1	19	< 2	36	1.39	3	30	51	< 0.5	< 2	2.22
1314012093	Slight	14.7	8.88	16.1	11.6	1.38	0.13	11	< 0.2	< 0.5	116	423	< 1	46	< 2	47	5.22	< 2	32	< 10	< 0.5	< 2	3.16
1314012233	None	-52.0	8.62	9.91	0.160	61.91	0.63	58	< 0.2	< 0.5	43	314	< 1	8	< 2	43	2.28	< 2	27	21	< 0.5	< 2	1.00
1323070568	Slight	14.5	8.79	46.2	1.46	31.64	0.46	112	0.5	< 0.5	48	689	< 1	10	< 2	76	1.25	15	31	49	< 0.5	< 2	1.60
1323070519	Slight	37.5	9.51	48.1	4.55	10.56	0.38	49	< 0.2	< 0.5	4	504	< 1	7	< 2	34	1.42	3	27	41	< 0.5	< 2	1.80
1323070536	Slight	17.5	9.48	27.2	2.79	9.77	0.22	40	< 0.2	< 0.5	61	348	2	8	< 2	48	1.15	6	30	54	< 0.5	< 2	1.07
1323070506	Slight	41.1	9.42	52.6	4.57	11.51	0.33	26	< 0.2	< 0.5	34	580	< 1	13	< 2	66	1.33	5	31	77	< 0.5	< 2	1.95
1314012060	Slight	-48.1	8.42	9.91	0.171	57.97	0.51	106	0.5	< 0.5	44	516	< 1	5	< 2	122	1.88	12	27	36	< 0.5	2	0.64
1432086821	Slight	-0.525	7.97	67.4	0.992	67.96	0.85	604	2.7	0.6	56	951	2	30	3	186	1.76	18	26	35	< 0.5	< 2	2.36
1314012067	Slight	13.0	8.95	15.2	6.68	2.28	0.17	15	< 0.2	< 0.5	117	411	< 1	42	< 2	46	4.88	< 2	32	< 10	< 0.5	< 2	2.96
1314012022	Slight	-94.1	8.30	12.5	0.117	106.57	0.75	66	< 0.2	< 0.5	26	378	1	14	3	56	2.07	9	23	17	< 0.5	3	0.80
F011948								549															
F011914								531															
1314012827	Slight	-73.5	8.47	12.7	0.147	86.23	0.69	190	0.4	< 0.5	61	253	3	9	3	36	1.95	9	27	22	< 0.5	5	0.90
1314012818	Slight	-56.7	8.40	21.7	0.277	78.40	0.68	91	0.2	< 0.5	52	476	3	8	6	77	2.70	17	25	23	< 0.5	< 2	1.75
1314012870	None	-66.2	8.49	11.2	0.145	77.38	0.65	165	0.5	< 0.5	90	247	3	9	4	38	1.93	11	27	23	< 0.5	4	0.90
1314012885	Slight	0.976	8.98	16.9	1.06	15.93	0.30	66	< 0.2	< 0.5	131	508	< 1	41	< 2	54	4.24	< 2	29	36	< 0.5	< 2	2.48
1314012883	Slight	-62.0	8.64	17.9	0.224	79.99	0.73	83	0.3	< 0.5	78	444	2	10	5	172	2.00	17	27	25	< 0.5	< 2	1.36
1314008086	Slight	-72.8	8.39	11.0	0.131	83.76	0.70	126	1.0	< 0.5	105	427	< 1	16	7	127	2.34	52	22	26	< 0.5	3	0.59
1314008128	Slight	-37.0	8.53	12.5	0.252	49.47	0.47	96	0.3	< 0.5	52	500	< 1	11	2	96	2.72	11	22	33	< 0.5	2	1.15
1314008149	Slight	-39.3	8.87	17.2	0.304	56.56	0.67	215	0.4	2.1	72	713	< 1	11	< 2	679	2.45	13	27	31	< 0.5	< 2	1.05
1314012033	None	7.67	8.86	13.2	2.39	5.51	0.20	34	< 0.2	< 0.5	116	484	< 1	40	< 2	92	4.82	< 2	31	16	< 0.5	< 2	2.88
1314008107	None	-55.3	8.63	13.9	0.201	69.25	0.73	171	0.5	3.4	64	576	< 1	12	4	902	2.43	29	26	28	< 0.5	3	0.94
1314012007	Slight	-25.4	8.59	12.2	0.325	37.55	0.45	1080	0.4	< 0.5	280	372	< 1	13	< 2	35	2.53	4	30	48	< 0.5	< 2	1.11
1314008079	None	-109	8.18	9.75	0.0821	118.78	2.56	333	3.2	43.2	548	958	1	20	9	> 10000	2.69	87	25	15	< 0.5	6	0.33
1314008062	None	-50.0	8.56	6.23	0.111	56.24	0.46	413	0.4	< 0.5	26	314	< 1	8	3	62	1.94	25	25	34	< 0.5	< 2	0.40
1314008094	None	-29.6	8.82	12.0	0.288	41.55	0.46	65	< 0.2	0.6	25	431	< 1	7	< 2	249	2.10	15	27	43	< 0.5	3	0.73
1314010115	Slight	-28.1	8.54	14.4	0.339	42.51	0.51	2780	0.7	< 0.5	390	279	< 1	5	< 2	52	2.40	8	27	30	< 0.5	5	1.31
1314010050	Slight	-24.6	8.44	17.7	0.418	42.22	0.39	699	0.6	< 0.5	220	243	< 1	4	3	53	2.23	13	25	39	< 0.5	< 2	1.20
1314008176	Slight	-38.3	8.62	14.7	0.277	52.98	0.65	149	0.8	3.2	91	861	< 1	15	< 2	918	2.75	13	28	37	< 0.5	< 2	1.07
1314010088	Slight	-2.83	8.93	11.7	0.806	14.53	0.20	891	< 0.2	< 0.5	107	218	3	6	2	56	2.64	10	30	41	< 0.5	< 2	1.16
1314008002	None	-34.1	8.61	10.2	0.231	44.30	0.52	96	0.3	< 0.5	97	371	1	19	< 2	136	2.88	5	31	40	< 0.5	< 2	1.33
1314010084	Slight	-31.0	8.43	15.9	0.340	46.89	0.55	367	1.1	1.0	540	326	28	8	5	232	2.31	14	28	38	< 0.5	< 2	1.15
1322049419	Slight	103	8.70	121	6.79	17.86	0.98	23	0.2	< 0.5	124	1320	< 1	72	4	228	4.44	4	28	50	< 0.5	< 2	3.52
1314008010	Slight	-100	8.22	17.7	0.150	118.05	1.22	595	1.1	1.4	116	1020	< 1	41	4	947	2.83	25	25	18	< 0.5	2	1.00
F011940								1050															
F011918								1080															

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1314005026	7	6	3.97	< 10	< 1	0.19	12	1.14	0.058	0.037	3.14	< 2	< 1	34	< 0.01	< 1	< 2	< 10	7	< 10	2	17	0.21
1314005006	20	48	3.98	< 10	< 1	0.08	< 10	1.54	0.445	0.022	0.73	3	4	58	0.20	1	< 2	< 10	85	< 10	3	6	0.15
1314005088	7	11	2.17	< 10	< 1	0.26	12	1.27	0.048	0.038	0.64	< 2	2	34	0.04	< 1	< 2	< 10	19	< 10	2	9	0.41
1314003092	10	6	2.01	< 10	< 1	0.11	11	0.73	0.225	0.036	0.98	< 2	< 1	119	< 0.01	< 1	< 2	< 10	8	< 10	2	8	0.12
1314005003	11	22	3.44	< 10	< 1	0.17	12	1.40	0.051	0.040	2.42	4	2	28	0.06	< 1	< 2	< 10	24	< 10	3	13	0.10
1314005542	16	32	3.86	< 10	< 1	0.25	< 10	1.18	0.307	0.025	1.20	2	3	48	0.17	2	< 2	< 10	65	< 10	2	8	0.27
1314003053	9	8	3.13	< 10	< 1	0.08	15	1.05	0.160	0.038	1.25	2	2	122	< 0.01	2	< 2	< 10	16	< 10	2	9	0.16
1314003145	5	6	1.44	< 10	< 1	0.14	< 10	0.64	0.231	0.036	0.48	< 2	< 1	163	< 0.01	< 1	< 2	< 10	9	< 10	2	7	0.13
1314005528	8	10	2.62	< 10	< 1	0.20	13	0.92	0.074	0.041	1.56	< 2	1	59	< 0.01	< 1	< 2	< 10	14	< 10	2	9	0.57
1314005524	12	17	2.47	< 10	< 1	0.15	11	0.73	0.151	0.037	1.36	2	1	80	0.02	1	< 2	< 10	13	< 10	2	6	0.35
1314005057	8	11	2.94	< 10	< 1	0.18	13	1.04	0.081	0.040	1.48	< 2	1	47	0.02	< 1	< 2	< 10	14	< 10	2	10	0.20
1314003082	9	9	3.13	< 10	< 1	0.12	13	0.87	0.101	0.037	1.56	< 2	1	72	0.03	4	< 2	< 10	13	< 10	3	11	0.15
1314002129	10	9	3.26	< 10	< 1	0.21	11	1.55	0.086	0.039	1.46	3	1	68	0.03	3	< 2	< 10	16	< 10	3	11	0.19
1314003178	5	9	1.70	< 10	< 1	0.11	15	0.73	0.139	0.039	0.55	2	1	77	< 0.01	1	< 2	< 10	12	< 10	2	7	0.18
1314002137	13	13	4.48	< 10	< 1	0.14	10	1.07	0.165	0.048	3.97	3	2	103	0.01	4	< 2	< 10	26	< 10	3	17	0.26
1314002013	22	391	3.44	< 10	< 1	0.11	20	3.34	0.097	0.078	0.85	5	6	96	< 0.01	2	< 2	< 10	45	< 10	4	2	1.68
F010766																							
F010758																							
1432017057	41	48	11.4	< 10	< 1	0.16	< 10	1.36	0.035	0.081	7.42	5	9	14	< 0.01	< 1	< 2	< 10	90	< 10	5	7	0.38
1432017081	25	24	7.02	< 10	< 1	0.13	< 10	1.75	0.042	0.064	4.60	4	4	26	0.01	3	< 2	< 10	44	< 10	2	7	1.18
1432017133	32	73	5.97	< 10	< 1	0.07	< 10	2.30	0.100	0.033	1.19	2	7	32	0.06	6	< 2	< 10	74	< 10	3	4	1.58
1432017198	48	163	9.93	10	2	0.04	< 10	3.18	0.018	0.041	2.44	6	16	10	< 0.01	< 1	< 2	< 10	171	< 10	5	5	0.24
1323070012	6	12	2.38	< 10	< 1	0.21	12	0.73	0.044	0.040	0.23	< 2	1	28	0.06	< 1	< 2	< 10	18	< 10	3	7	0.53
1432017141	46	55	12.3	10	2	0.07	< 10	2.20	0.023	0.072	4.93	5	14	8	0.02	2	< 2	< 10	144	< 10	7	6	0.32
1432018178	14	36	3.27	< 10	< 1	0.22	13	1.24	0.118	0.058	1.05	3	3	53	0.06	2	< 2	< 10	39	< 10	3	4	0.60
1432018064	22	57	5.84	< 10	< 1	0.11	< 10	2.28	0.163	0.036	1.77	4	4	78	0.03	1	< 2	< 10	60	< 10	5	5	1.32
1432018025	30	78	7.89	< 10	< 1	0.09	< 10	2.32	0.097	0.051	2.53	4	11	37	0.01	< 1	< 2	< 10	102	< 10	4	5	1.88
1432018196	36	58	8.45	< 10	< 1	0.11	< 10	1.92	0.070	0.054	3.48	4	8	22	0.09	4	< 2	< 10	90	< 10	6	8	0.23
1432018195	41	53	9.42	< 10	2	0.09	< 10	2.03	0.044	0.043	3.18	6	10	15	0.04	3	< 2	< 10	111	< 10	8	8	0.16
1323070130	9	28	2.61	< 10	< 1	0.14	12	0.76	0.059	0.041	0.27	3	2	50	0.01	2	< 2	< 10	18	< 10	3	5	0.70
1432018804	9	13	2.68	< 10	< 1	0.15	14	0.95	0.145	0.046	1.56	2	1	67	0.01	< 1	< 2	< 10	13	< 10	3	5	0.69
1432017149	15	21	3.69	< 10	< 1	0.16	< 10	1.06	0.046	0.045	1.63	< 2	2	30	0.05	4	< 2	< 10	25	< 10	3	8	0.74
1314012101	9	7	3.33	< 10	< 1	0.14	14	1.20	0.102	0.043	2.78	< 2	< 1	61	< 0.01	< 1	< 2	< 10	8	< 10	3	14	0.13
1432018137	22	19	5.35	< 10	< 1	0.15	15	1.00	0.061	0.067	3.57	3	3	24	< 0.01	< 1	< 2	< 10	29	< 10	4	8	0.29
1314012215	8	7	2.91	< 10	< 1	0.14	13	0.85	0.221	0.041	2.54	2	< 1	157	< 0.01	< 1	< 2	< 10	6	< 10	2	11	0.25
1314012117	10	11	3.45	< 10	< 1	0.14	13	1.33	0.143	0.043	1.86	< 2	1	59	< 0.01	3	< 2	< 10	16	< 10	3	9	0.27
F010763																							
F010779																							
1323069181	8	10	2.26	< 10	< 1	0.16	13	0.83	0.147	0.039	0.78	< 2	1	88	0.04	2	< 2	< 10	14	< 10	3	5	0.50
1323069069	7	9	2.39	< 10	< 1	0.16	12	0.83	0.038	0.040	0.41	2	1	35	0.02	2	< 2	< 10	14	< 10	3	6	0.71
1431007084	9	16	2.64	< 10	< 1	0.12	< 10	0.80	0.092	0.034	1.37	5	2	42	0.03	3	< 2	< 10	23	< 10	3	10	0.45
1323069175	11	16	2.42	< 10	< 1	0.23	13	1.01	0.099	0.046	0.88	< 2	2	81	0.01	< 1	< 2	< 10	20	< 10	3	6	0.47
1431007261	12	14	3.23	< 10	< 1	0.21	24	1.24	0.247	0.059	1.43	3	2	110	0.03	2	< 2	< 10	25	< 10	4	5	0.85
1431007212	16	21	4.05	< 10	< 1	0.27	15	1.49	0.254	0.049	1.74	3	3	89	0.05	< 1	< 2	< 10	60	< 10	4	7	0.94
1431007150	13	25	3.87	< 10	< 1	0.17	11	1.28	0.169	0.041	1.98	3	3	59	0.03	< 1	< 2	< 10	38	< 10	3	11	0.73
1323069114	12	29	2.62	< 10	< 1	0.46	18	1.30	0.046	0.063	0.29	< 2	3	76	0.09	3	< 2	< 10	33	< 10	3	7	0.60
1323069063	8	11	2.23	< 10	< 1	0.27	13	0.80	0.054	0.040	0.40	< 2	1	42	0.03	1	< 2	< 10	12	< 10	3	7	0.75
1431007061	14	29	3.97	< 10	< 1	0.26	< 10	1.27	0.290	0.037	2.21	3	3	100	0.05	8	< 2	< 10	36	< 10	4	9	0.59
1431007349	40	120	9.39	10	< 1	0.37	< 10	3.02	0.309	0.052	1.92	5	13	121	0.17	5	< 2	< 10	195	< 10	7	7	1.83
1314012114	12	11	4.03	< 10	< 1	0.18	13	1.38	0.108	0.047	2.08	< 2	2	51	0.04	3	< 2	< 10	23	< 10	4	8	0.19
1323070023	8	14	2.80	< 10	< 1	0.21	13	0.78	0.059	0.040	0.41	< 2	2	27	0.05	< 1	< 2	< 10	21	< 10	3	8	0.54

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1323069001	8	13	2.52	< 10	< 1	0.21	14	0.88	0.040	0.041	0.60	2	1	37	0.03	< 1	< 2	< 10	15	< 10	3	6	0.74
1323070047	6	13	2.32	< 10	< 1	0.11	16	0.74	0.039	0.040	0.17	< 2	2	25	0.04	2	< 2	< 10	20	< 10	2	6	0.53
1323070039	6	11	2.40	< 10	< 1	0.24	12	0.74	0.040	0.039	0.36	< 2	1	25	0.05	2	< 2	< 10	18	< 10	3	8	0.57
1314012169	12	9	3.89	< 10	< 1	0.15	14	1.29	0.054	0.046	2.53	2	1	30	0.03	< 1	< 2	< 10	15	< 10	4	13	0.18
1431007276	31	68	7.17	< 10	< 1	0.28	< 10	2.59	0.322	0.039	2.76	4	8	115	0.07	9	< 2	< 10	133	< 10	4	6	1.67
1431007284	34	105	7.48	10	< 1	0.34	< 10	2.71	0.469	0.034	1.95	6	7	104	0.11	< 1	< 2	< 10	123	< 10	4	4	1.63
1431007260	23	51	5.62	< 10	< 1	0.13	14	1.87	0.330	0.045	2.84	3	3	134	< 0.01	< 1	< 2	< 10	59	< 10	3	10	1.15
1314012226	8	7	3.29	< 10	< 1	0.14	14	1.41	0.097	0.039	1.84	2	< 1	41	0.02	2	< 2	< 10	9	< 10	2	10	0.24
1431007401	25	36	6.69	< 10	< 1	0.35	22	2.25	0.136	0.071	3.49	5	7	70	0.08	2	< 2	< 10	88	< 10	7	7	2.01
1431007089	10	6	2.97	< 10	< 1	0.15	13	1.03	0.085	0.039	2.09	4	< 1	38	< 0.01	5	< 2	< 10	7	< 10	2	7	0.87
F010761																							
F010747																							
1314002020	9	15	2.79	< 10	< 1	0.13	11	1.02	0.061	0.042	2.14	< 2	< 1	44	< 0.01	4	< 2	< 10	8	< 10	2	10	0.19
1323068141	40	44	10.7	10	< 1	0.14	< 10	1.63	0.070	0.069	2.20	6	11	57	0.15	1	< 2	< 10	171	< 10	11	4	1.03
1314002125	8	7	2.69	< 10	< 1	0.17	11	1.37	0.086	0.037	0.99	4	1	69	0.04	< 1	< 2	< 10	12	< 10	2	10	0.19
1314002169	10	11	3.00	< 10	< 1	0.12	11	1.14	0.205	0.038	2.03	2	2	123	0.01	< 1	< 2	< 10	19	< 10	2	13	0.20
1314002160	9	9	2.80	< 10	< 1	0.16	12	1.30	0.047	0.051	0.63	< 2	1	50	0.04	1	< 2	< 10	15	< 10	3	5	0.36
1323069066	8	10	2.26	< 10	< 1	0.22	13	0.95	0.039	0.039	0.32	3	1	39	0.03	2	< 2	< 10	14	< 10	3	7	0.73
1323068013	21	24	5.24	< 10	< 1	0.22	12	1.15	0.151	0.052	1.08	3	5	59	0.09	< 1	< 2	< 10	81	< 10	5	6	0.54
1323068050	17	20	4.66	< 10	< 1	0.13	15	1.27	0.115	0.057	0.41	3	6	42	0.08	4	< 2	< 10	74	< 10	5	4	0.63
1323069131	9	14	2.28	< 10	< 1	0.20	12	0.87	0.036	0.040	0.40	< 2	1	38	0.04	2	< 2	< 10	16	< 10	3	7	0.70
1323069343	10	9	2.66	< 10	< 1	0.26	13	0.74	0.066	0.039	1.03	< 2	< 1	46	0.04	6	< 2	< 10	12	< 10	3	9	0.69
1323068401	8	8	2.10	< 10	< 1	0.14	12	0.85	0.113	0.041	0.64	< 2	< 1	71	< 0.01	< 1	< 2	< 10	9	< 10	3	4	0.59
1323068418	9	20	2.47	< 10	< 1	0.29	12	0.96	0.280	0.040	0.44	2	2	163	0.06	4	< 2	< 10	23	< 10	3	6	0.53
1323069064	8	8	2.21	< 10	< 1	0.17	12	0.87	0.047	0.038	0.40	< 2	< 1	41	0.02	< 1	< 2	< 10	9	< 10	2	5	0.78
1323069141	10	8	2.28	< 10	< 1	0.21	12	0.82	0.039	0.042	0.77	< 2	< 1	35	0.02	< 1	< 2	< 10	11	< 10	3	7	0.60
1323069324	9	8	2.27	< 10	< 1	0.19	13	0.77	0.040	0.038	0.65	< 2	< 1	32	0.02	2	< 2	< 10	12	< 10	3	8	0.57
1323069043	8	9	2.11	< 10	< 1	0.20	13	0.92	0.046	0.040	0.37	< 2	< 1	37	0.02	1	< 2	< 10	13	< 10	3	6	0.66
1323069311	8	9	2.18	< 10	< 1	0.31	14	0.69	0.053	0.040	0.32	< 2	1	33	0.05	1	< 2	< 10	15	< 10	3	7	0.64
1323069051	9	17	2.49	< 10	< 1	0.28	13	0.81	0.054	0.041	0.15	< 2	2	32	0.07	2	< 2	< 10	23	< 10	3	8	0.54
1323069035	7	12	2.48	< 10	< 1	0.26	12	0.93	0.050	0.039	0.27	< 2	1	38	0.04	1	< 2	< 10	17	< 10	3	7	0.70
1323069019	8	11	2.18	< 10	< 1	0.12	12	0.65	0.042	0.040	0.16	< 2	1	32	0.03	< 1	< 2	< 10	17	< 10	3	6	0.65
1323070412	7	12	2.54	< 10	< 1	0.26	16	0.84	0.061	0.038	0.41	< 2	2	33	0.04	< 1	< 2	< 10	18	< 10	2	8	0.55
1323069167	12	40	2.86	< 10	< 1	0.44	15	1.30	0.326	0.049	0.24	3	3	183	0.08	< 1	< 2	< 10	36	< 10	3	6	0.78
F010762																							
F010748																							
1432017113	47	100	9.62	< 10	< 1	0.08	< 10	2.27	0.107	0.043	2.12	5	13	26	0.05	< 1	< 2	< 10	124	< 10	4	5	0.67
1431007375	45	98	9.95	10	1	0.18	< 10	2.59	0.266	0.053	4.70	5	10	86	0.12	3	< 2	< 10	145	15	7	6	1.68
1431007037	11	13	3.16	< 10	< 1	0.16	13	0.91	0.050	0.047	1.85	3	1	34	0.02	2	< 2	< 10	16	< 10	3	6	0.50
1431007290	43	96	8.60	< 10	1	0.09	< 10	3.19	0.246	0.039	3.05	4	6	86	0.03	< 1	< 2	< 10	107	< 10	5	6	1.85
1431007035	8	9	3.01	< 10	< 1	0.19	13	1.04	0.047	0.042	1.69	3	< 1	28	< 0.01	2	< 2	< 10	8	< 10	2	6	0.60
1431007158	9	6	2.94	< 10	< 1	0.19	14	1.06	0.072	0.041	1.93	3	< 1	37	< 0.01	< 1	< 2	< 10	6	< 10	3	7	1.07
1431007246	35	97	7.43	< 10	< 1	0.08	< 10	2.90	0.313	0.039	2.04	4	5	116	0.02	< 1	< 2	< 10	101	< 10	4	5	1.56
1431007156	11	12	3.11	< 10	< 1	0.20	12	1.02	0.086	0.041	1.92	3	1	41	0.01	< 1	< 2	< 10	15	< 10	3	8	0.79
1432017404	17	18	4.66	< 10	< 1	0.15	13	1.36	0.096	0.058	1.92	3	4	39	0.02	< 1	< 2	< 10	43	< 10	4	7	0.94
1431007233	8	8	2.97	< 10	< 1	0.18	12	1.03	0.147	0.040	1.63	2	< 1	66	< 0.01	5	< 2	< 10	9	< 10	3	8	0.85
1431007234	9	9	2.69	< 10	< 1	0.17	13	0.92	0.159	0.042	1.54	2	< 1	84	< 0.01	6	< 2	< 10	10	< 10	3	7	0.71
1431007206	14	29	3.57	< 10	< 1	0.33	14	1.51	0.356	0.048	0.76	4	4	118	0.07	3	< 2	< 10	61	< 10	4	5	0.87
1432017011	36	47	8.41	< 10	< 1	0.06	< 10	2.15	0.112	0.067	2.84	5	10	33	0.05	< 1	< 2	< 10	129	< 10	9	6	0.44
1432017044	44	24	9.53	< 10	1	0.15	< 10	0.96	0.045	0.067	7.15	4	6	19	0.02	< 1	< 2	< 10	47	< 10	4	8	0.52
1432017116	28	54	5.71	< 10	< 1	0.11	< 10	2.10	0.034	0.047	1.66	2	6	27	0.01	5	< 2	< 10	49	< 10	2	6	1.65

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1432017073	30	38	7.27	< 10	2	0.14	< 10	1.16	0.028	0.068	3.68	3	6	22	0.03	< 1	< 2	< 10	62	< 10	3	7	0.41
1432017031	32	27	8.28	< 10	1	0.15	23	1.17	0.043	0.101	4.20	4	5	21	0.01	< 1	< 2	< 10	51	< 10	5	11	0.54
1432017118	22	35	4.93	< 10	< 1	0.12	< 10	1.32	0.084	0.044	2.12	2	5	33	0.07	< 1	< 2	< 10	54	< 10	3	7	0.70
F010756																							
F010746																							
1314003210	10	10	3.19	< 10	< 1	0.21	12	1.41	0.102	0.040	1.09	2	2	78	0.04	< 1	< 2	< 10	19	< 10	3	6	0.28
1314003077	4	5	2.52	< 10	< 1	0.15	< 10	0.64	0.126	0.033	1.25	< 2	< 1	95	0.01	< 1	< 2	< 10	6	< 10	2	9	0.08
1314003066	5	7	3.08	< 10	< 1	0.18	< 10	0.82	0.137	0.033	1.48	2	< 1	110	0.02	< 1	< 2	< 10	9	< 10	2	11	0.14
1314003132	5	8	1.89	< 10	< 1	0.11	< 10	0.91	0.126	0.036	0.68	< 2	1	98	0.02	2	< 2	< 10	13	< 10	2	9	0.18
1314002060	11	71	2.43	< 10	< 1	0.13	13	1.39	0.148	0.043	1.28	3	2	100	< 0.01	2	< 2	< 10	16	< 10	2	4	0.55
1314003014	9	9	3.05	< 10	< 1	0.10	13	0.93	0.093	0.034	0.98	< 2	1	88	0.02	4	< 2	< 10	15	< 10	2	11	0.11
1314003209	8	14	2.53	< 10	< 1	0.20	13	1.27	0.108	0.039	1.15	< 2	2	76	0.02	< 1	< 2	< 10	22	< 10	3	9	0.69
1314003549	9	7	2.05	< 10	< 1	0.12	13	0.80	0.201	0.037	0.76	< 2	1	117	0.02	< 1	< 2	< 10	13	< 10	2	7	0.30
1314002131	9	10	2.80	< 10	< 1	0.17	12	1.19	0.130	0.042	2.10	2	1	86	0.01	2	< 2	< 10	14	< 10	3	9	0.34
1314003531	8	7	2.48	< 10	< 1	0.16	12	1.03	0.161	0.039	1.78	< 2	< 1	90	< 0.01	1	< 2	< 10	10	< 10	2	9	0.27
1314003528	8	10	2.76	< 10	< 1	0.22	12	1.01	0.146	0.038	2.06	< 2	< 1	80	< 0.01	3	< 2	< 10	9	< 10	2	10	0.30
1314003520	6	7	1.72	< 10	< 1	0.10	14	0.79	0.177	0.039	0.65	< 2	< 1	101	< 0.01	< 1	< 2	< 10	10	< 10	2	3	0.18
1314002140	16	67	3.44	< 10	< 1	0.14	14	1.38	0.264	0.058	2.79	2	3	173	0.01	2	< 2	< 10	30	< 10	4	5	0.47
1323068082	29	44	8.15	10	< 1	0.07	< 10	1.97	0.113	0.056	1.36	6	13	60	0.12	< 1	< 2	< 10	190	24	7	7	1.55
1314002100	9	16	2.95	< 10	< 1	0.24	12	0.96	0.176	0.045	1.89	2	1	70	0.03	< 1	< 2	< 10	18	< 10	3	9	0.25
1323068031	39	35	10.1	< 10	< 1	0.25	< 10	1.40	0.148	0.066	4.79	5	9	44	0.14	12	< 2	< 10	153	< 10	8	7	0.79
1314002045	13	125	2.63	< 10	< 1	0.15	14	1.70	0.115	0.048	1.25	3	2	79	< 0.01	< 1	< 2	< 10	18	< 10	3	4	0.70
1323068011	36	39	9.39	10	< 1	0.20	< 10	1.61	0.102	0.066	2.09	4	12	52	0.15	4	< 2	< 10	183	< 10	8	6	0.83
1323068164	30	62	9.26	10	1	0.45	< 10	1.93	0.238	0.075	1.74	5	14	92	0.18	< 1	< 2	< 10	184	< 10	11	4	1.47
1314002096	8	8	2.67	< 10	< 1	0.20	13	1.04	0.160	0.043	1.65	2	1	79	0.02	< 1	< 2	< 10	12	< 10	3	10	0.19
1314002177	18	49	5.10	< 10	< 1	0.18	11	1.71	0.146	0.053	3.68	3	3	95	0.01	< 1	< 2	< 10	39	< 10	4	16	0.40
F010757																							
F010745																							
1324079155	7	10	2.35	< 10	< 1	0.16	11	0.73	0.041	0.041	0.35	< 2	1	37	0.01	< 1	< 2	< 10	14	< 10	3	6	0.25
1324079129	8	7	2.35	< 10	< 1	0.16	12	0.82	0.040	0.038	0.66	2	< 1	42	< 0.01	< 1	< 2	< 10	9	< 10	2	5	1.09
1324079001	7	8	2.23	< 10	2	0.11	19	0.65	0.055	0.046	0.30	< 2	1	37	< 0.01	4	< 2	< 10	14	< 10	3	5	0.68
1431099044	44	358	5.54	< 10	< 1	0.03	< 10	3.17	0.030	0.024	0.52	5	11	72	0.14	4	< 2	< 10	95	< 10	4	3	1.33
1324079403	8	14	2.58	< 10	< 1	0.20	12	0.93	0.051	0.045	0.26	< 2	2	37	0.05	3	< 2	< 10	26	< 10	3	8	0.64
1324081403	16	125	3.48	< 10	< 1	0.18	23	1.74	0.039	0.105	0.43	2	6	93	0.02	< 1	< 2	< 10	41	< 10	7	3	1.40
1324081001	8	11	2.36	< 10	< 1	0.08	14	0.73	0.046	0.040	0.34	< 2	1	32	0.01	< 1	< 2	< 10	14	< 10	3	6	0.71
1324081409	8	12	2.40	< 10	< 1	0.15	12	0.59	0.046	0.039	0.38	2	2	40	0.05	< 1	< 2	< 10	18	< 10	2	7	0.53
1324081044	6	13	2.35	< 10	< 1	0.10	10	0.66	0.047	0.039	0.24	< 2	1	39	0.01	< 1	< 2	< 10	14	< 10	2	5	0.61
1324081013	6	10	2.05	< 10	< 1	0.13	12	0.64	0.044	0.040	0.20	< 2	1	32	0.02	2	< 2	< 10	15	< 10	3	5	0.69
1324081203	7	11	2.33	< 10	< 1	0.11	16	0.65	0.064	0.041	0.14	< 2	1	44	< 0.01	< 1	< 2	< 10	14	< 10	3	4	0.92
1314005105	8	5	3.36	< 10	< 1	0.16	13	0.92	0.085	0.041	3.21	2	< 1	35	< 0.01	3	< 2	< 10	6	< 10	2	16	0.16
1324081034	10	12	2.86	< 10	< 1	0.13	12	0.68	0.053	0.040	0.92	< 2	1	29	0.03	3	< 2	< 10	17	< 10	3	7	0.61
1314005606	7	4	3.21	< 10	< 1	0.23	12	0.66	0.153	0.040	2.96	< 2	< 1	57	0.02	1	< 2	< 10	7	< 10	2	17	0.05
1314005049	7	5	4.30	< 10	< 1	0.18	12	1.01	0.033	0.041	3.55	3	< 1	19	< 0.01	1	< 2	< 10	5	< 10	2	19	0.07
1314005013	10	13	4.20	< 10	< 1	0.14	11	1.24	0.082	0.037	3.11	3	2	31	0.05	3	< 2	< 10	22	< 10	3	17	0.19
1324081225	7	13	2.49	< 10	< 1	0.14	10	0.72	0.052	0.040	0.33	< 2	1	43	0.01	< 1	< 2	< 10	13	< 10	3	6	0.90
F010744																							
F010759																							
1314010156	5	3	3.11	< 10	< 1	0.16	10	0.61	0.125	0.035	1.96	2	< 1	107	0.01	< 1	< 2	< 10	7	< 10	2	10	0.11
1314010043	12	105	3.19	< 10	< 1	0.14	26	1.52	0.050	0.071	1.19	< 2	3	87	0.01	< 1	< 2	< 10	25	< 10	3	3	0.47
1314010611	10	7	2.14	< 10	< 1	0.23	11	0.93	0.091	0.041	0.82	< 2	1	89	< 0.01	< 1	< 2	< 10	11	< 10	2	9	0.21
1318083002	9	7	2.74	< 10	< 1	0.28	16	1.21	0.079	0.047	2.43	3	< 1	23	< 0.01	< 1	< 2	< 10	9	< 10	2	9	0.61

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1322049108	45	45	11.1	10	1	0.36	< 10	1.50	0.244	0.070	2.72	4	13	87	0.21	1	< 2	< 10	233	< 10	11	4	0.99
1318083038	10	19	3.27	< 10	< 1	0.29	15	1.49	0.047	0.050	2.60	3	1	15	0.03	4	< 2	< 10	13	< 10	2	13	0.30
1314010024	6	5	2.81	< 10	< 1	0.13	< 10	0.73	0.130	0.034	1.82	2	< 1	88	0.01	2	< 2	< 10	10	< 10	2	11	0.15
1322049170	9	9	2.53	< 10	< 1	0.18	20	0.99	0.170	0.053	0.26	< 2	2	61	0.04	< 1	< 2	< 10	23	< 10	3	3	0.36
1314010606	13	13	4.00	< 10	< 1	0.16	12	1.35	0.196	0.048	3.16	3	2	117	< 0.01	5	< 2	< 10	24	< 10	3	10	0.28
1318083100	8	6	4.88	< 10	< 1	0.19	14	1.01	0.021	0.045	4.88	4	< 1	7	< 0.01	4	< 2	< 10	7	< 10	1	10	0.15
1314010180	13	13	3.86	< 10	< 1	0.14	12	1.75	0.027	0.046	2.37	3	1	25	< 0.01	6	< 2	< 10	18	< 10	4	9	0.26
1314010190	5	8	2.54	< 10	< 1	0.05	12	0.83	0.139	0.037	1.43	< 2	1	103	< 0.01	2	< 2	< 10	12	< 10	2	10	0.08
1318083059	10	9	4.34	< 10	< 1	0.28	16	1.79	0.033	0.047	3.43	3	< 1	10	0.01	2	< 2	< 10	12	< 10	2	14	0.21
1322049068	40	46	10.1	10	2	0.21	< 10	1.63	0.171	0.072	2.00	4	14	87	0.16	< 1	< 2	< 10	217	< 10	11	4	1.23
1322049031	16	18	4.17	< 10	< 1	0.15	15	1.15	0.136	0.057	0.83	2	4	50	0.06	1	< 2	< 10	62	< 10	4	4	0.65
1322049116	44	41	11.0	10	< 1	0.17	< 10	1.50	0.148	0.071	3.58	6	12	45	0.16	1	< 2	< 10	187	< 10	10	8	0.63
1322049053	38	47	12.5	10	< 1	0.07	< 10	1.77	0.115	0.067	2.62	4	14	39	0.17	< 1	< 2	< 10	222	< 10	10	5	0.94
F011931																							
F011947																							
GC22-2023-009FD	9	10	2.76	< 10	< 1	0.08	11	0.85	0.144	0.038	0.98	2	2	119	< 0.01	< 1	< 2	< 10	13	< 10	2	7	0.03
GC22-5031-009FD	6	4	4.08	< 10	< 1	0.15	< 10	0.64	0.121	0.034	1.68	< 2	< 1	78	0.03	< 1	< 2	< 10	8	< 10	2	12	0.07
1321073245	9	11	2.16	< 10	< 1	0.22	10	0.53	0.050	0.037	1.52	2	2	26	0.01	1	< 2	< 10	14	< 10	2	5	0.73
1321075401	23	40	6.22	10	1	0.67	< 10	1.62	0.250	0.057	1.47	4	9	88	0.16	< 1	< 2	< 10	129	< 10	6	7	1.01
1321073304	8	6	2.05	< 10	< 1	0.28	16	0.70	0.094	0.040	1.36	< 2	< 1	41	0.03	2	< 2	< 10	9	< 10	2	7	0.36
GC22-2023-011	7	10	2.97	< 10	< 1	0.10	17	0.87	0.117	0.034	0.62	3	1	110	0.06	3	< 2	< 10	14	< 10	2	10	0.07
GC22-0307-013	4	6	2.55	< 10	< 1	0.17	< 10	0.51	0.098	0.035	1.36	2	< 1	86	0.01	1	< 2	< 10	5	< 10	2	11	0.09
GC22-5027-015	11	6	1.77	< 10	< 1	0.08	15	0.63	0.090	0.045	0.85	2	1	69	< 0.01	2	< 2	< 10	10	< 10	2	9	0.02
GC22-2009-005	8	8	3.50	< 10	< 1	0.16	13	1.01	0.051	0.035	0.83	< 2	1	46	0.05	< 1	< 2	< 10	11	< 10	2	16	0.03
GC22-2024-009FD	18	43	5.43	< 10	< 1	0.08	< 10	2.17	0.046	0.039	0.96	2	4	50	0.04	< 1	< 2	< 10	61	< 10	5	8	0.48
GC22-2004-010	4	9	2.79	< 10	< 1	0.11	10	1.08	0.211	0.034	0.53	3	1	176	< 0.01	< 1	< 2	< 10	13	< 10	2	6	0.12
GC22-2007-009FD	17	10	2.01	< 10	< 1	0.09	18	0.87	0.246	0.036	0.59	< 2	1	149	0.02	1	< 2	< 10	14	< 10	1	7	0.08
GC22-2014-009	10	9	2.30	< 10	< 1	0.22	17	0.52	0.063	0.046	1.15	2	1	59	< 0.01	4	< 2	< 10	10	< 10	4	8	0.08
1321073232	10	8	2.42	< 10	< 1	0.21	15	0.76	0.083	0.041	1.31	< 2	2	36	0.05	< 1	< 2	< 10	21	< 10	2	6	0.51
1321073429	8	6	2.14	< 10	< 1	0.24	15	0.70	0.090	0.044	1.43	< 2	< 1	42	< 0.01	1	< 2	< 10	9	< 10	2	3	0.62
1321073288	8	6	1.58	< 10	< 1	0.33	13	0.29	0.011	0.037	1.18	3	< 1	123	< 0.01	< 1	< 2	< 10	4	< 10	2	6	0.68
GC22-2012-002	6	10	2.71	10	< 1	0.13	12	1.04	0.284	0.038	0.54	2	1	234	< 0.01	< 1	< 2	< 10	14	< 10	3	5	0.04
1321079122	8	9	2.02	< 10	< 1	0.24	14	0.67	0.054	0.041	0.49	< 2	1	30	0.09	< 1	< 2	< 10	15	< 10	2	8	0.44
1321073444	10	4	1.80	< 10	< 1	0.26	12	0.06	0.011	0.039	1.81	4	< 1	195	< 0.01	< 1	< 2	< 10	3	< 10	2	5	0.67
F011916																							
F011933																							
1323070002	8	9	2.30	< 10	< 1	0.22	12	0.73	0.046	0.040	0.39	< 2	1	29	0.04	< 1	< 2	< 10	17	< 10	3	7	0.49
1314012122	22	51	4.47	< 10	< 1	0.04	< 10	1.55	0.526	0.021	0.21	3	5	66	0.24	4	< 2	< 10	125	< 10	4	4	0.17
1323070124	8	16	2.42	< 10	< 1	0.16	11	0.77	0.054	0.051	0.35	< 2	1	57	< 0.01	2	< 2	< 10	14	< 10	3	4	0.78
1432018085	35	50	10.4	< 10	2	0.09	< 10	2.23	0.044	0.063	5.45	6	9	23	0.02	3	< 2	< 10	109	< 10	7	8	0.56
1323070092	11	37	2.86	< 10	< 1	0.12	13	0.88	0.044	0.038	0.44	2	2	53	< 0.01	< 1	< 2	< 10	21	< 10	3	6	0.77
1314012093	23	47	4.37	< 10	< 1	0.02	< 10	1.52	0.552	0.020	0.08	4	5	60	0.24	2	< 2	< 10	127	< 10	4	3	0.15
1314012233	9	7	2.69	< 10	< 1	0.29	13	1.11	0.101	0.040	2.28	< 2	1	57	0.02	< 1	< 2	< 10	15	< 10	3	11	0.08
1323070568	12	13	3.21	< 10	< 1	0.22	14	0.92	0.039	0.044	1.33	< 2	1	41	0.05	3	< 2	< 10	17	< 10	3	9	0.58
1323070519	7	11	2.52	< 10	< 1	0.11	12	0.83	0.076	0.040	0.56	< 2	2	37	< 0.01	2	< 2	< 10	16	< 10	2	6	0.57
1323070536	9	10	2.36	< 10	< 1	0.15	12	0.64	0.042	0.039	0.38	< 2	1	26	0.05	1	< 2	< 10	17	< 10	2	8	0.38
1323070506	14	20	2.77	< 10	< 1	0.28	15	0.82	0.048	0.046	0.50	< 2	2	39	0.06	3	< 2	< 10	23	< 10	3	7	0.65
1314012060	8	5	2.91	< 10	< 1	0.19	17	1.00	0.103	0.048	2.07	< 2	< 1	52	< 0.01	4	< 2	< 10	7	< 10	2	10	0.16

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1432086821	15	30	4.26	< 10	< 1	0.16	11	1.31	0.076	0.043	2.40	3	2	38	0.02	4	< 2	< 10	30	< 10	3	10	0.92
1314012067	22	50	4.13	< 10	< 1	0.03	< 10	1.52	0.489	0.019	0.11	2	5	59	0.23	2	< 2	< 10	118	< 10	3	3	0.14
1314012022	9	9	4.01	< 10	< 1	0.21	19	1.02	0.164	0.054	3.69	< 2	1	79	< 0.01	< 1	< 2	< 10	12	< 10	3	15	0.13
F011948																							
F011914																							
1314012827	9	8	3.69	< 10	< 1	0.16	12	0.83	0.191	0.040	3.03	3	1	159	< 0.01	1	< 2	< 10	12	< 10	2	15	0.10
1314012818	8	6	3.07	< 10	< 1	0.22	14	0.95	0.159	0.040	2.84	< 2	< 1	122	0.03	< 1	< 2	< 10	9	< 10	3	13	0.22
1314012870	9	8	3.50	< 10	< 1	0.17	13	0.81	0.174	0.040	2.76	< 2	1	150	0.01	< 1	< 2	< 10	12	< 10	3	16	0.10
1314012885	21	58	4.21	< 10	< 1	0.13	< 10	1.67	0.361	0.025	0.63	3	4	53	0.18	< 1	< 2	< 10	88	< 10	3	5	0.17
1314012883	9	5	2.96	< 10	< 1	0.13	15	0.89	0.108	0.044	2.69	3	< 1	85	0.03	< 1	< 2	< 10	9	< 10	3	13	0.18
1314008086	14	11	4.25	< 10	< 1	0.17	15	1.65	0.060	0.054	2.92	3	1	43	0.01	5	< 2	< 10	16	< 10	4	14	0.08
1314008128	8	10	2.76	< 10	< 1	0.14	11	1.11	0.179	0.039	1.70	< 2	1	98	< 0.01	< 1	< 2	< 10	10	< 10	2	6	0.13
1314008149	10	9	3.22	< 10	< 1	0.28	13	1.61	0.112	0.043	2.00	< 2	1	55	0.05	< 1	< 2	< 10	17	< 10	4	11	0.18
1314012033	22	45	4.42	< 10	< 1	0.05	< 10	1.64	0.490	0.022	0.23	3	6	61	0.21	< 1	< 2	< 10	121	< 10	4	4	0.12
1314008107	12	9	3.68	< 10	< 1	0.15	11	1.49	0.094	0.043	2.56	3	1	57	0.01	1	< 2	< 10	16	< 10	3	11	0.10
1314012007	12	14	3.18	< 10	< 1	0.18	11	1.43	0.131	0.038	1.25	< 2	2	28	0.10	3	< 2	< 10	31	< 10	3	9	0.19
1314008079	17	13	5.79	< 10	< 1	0.19	10	2.21	0.051	0.046	4.47	3	2	20	< 0.01	< 1	< 2	< 10	29	< 10	5	17	0.04
1314008062	8	6	3.03	< 10	< 1	0.19	14	1.21	0.063	0.036	1.93	< 2	< 1	34	< 0.01	< 1	< 2	< 10	8	< 10	2	14	0.04
1314008094	9	7	2.49	< 10	< 1	0.20	16	1.07	0.149	0.047	1.48	< 2	1	67	0.01	2	< 2	< 10	12	< 10	3	6	0.14
1314010115	9	7	2.84	< 10	< 1	0.22	12	0.54	0.137	0.037	1.55	< 2	< 1	95	0.02	< 1	< 2	< 10	11	< 10	2	7	0.20
1314010050	5	5	2.54	< 10	< 1	0.15	< 10	0.64	0.099	0.035	1.51	< 2	< 1	72	< 0.01	< 1	< 2	< 10	7	< 10	2	8	0.16
1314008176	12	13	3.39	< 10	< 1	0.29	11	1.79	0.152	0.041	1.81	< 2	2	69	0.08	4	< 2	< 10	28	< 10	4	10	0.19
1314010088	4	7	1.23	< 10	< 1	0.15	< 10	0.82	0.132	0.037	0.53	< 2	< 1	124	< 0.01	< 1	< 2	< 10	10	< 10	2	4	0.12
1314008002	15	16	3.42	< 10	< 1	0.22	< 10	1.19	0.234	0.034	1.64	< 2	2	57	0.06	5	< 2	< 10	39	< 10	3	8	0.04
1314010084	8	8	2.95	< 10	< 1	0.13	13	0.81	0.090	0.037	1.67	< 2	< 1	74	0.01	< 1	< 2	< 10	12	< 10	3	9	0.18
1322049419	35	76	8.09	10	< 1	0.24	< 10	2.54	0.287	0.053	0.81	3	13	116	0.15	< 1	< 2	< 10	170	< 10	8	5	1.75
1314008010	30	28	6.48	< 10	< 1	0.17	< 10	1.87	0.098	0.065	4.07	3	4	43	0.14	7	< 2	< 10	68	< 10	8	9	0.12
F011940																							
F011918																							

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1314005026	3.09	
1314005006	0.80	
1314005088	0.63	
1314003092	0.96	
1314005003	2.58	
1314005542	1.32	
1314003053	1.34	
1314003145	0.52	
1314005528	1.55	
1314005524	1.35	
1314005057	1.52	
1314003082	1.59	
1314002129	1.46	
1314003178	0.57	6.82
1314002137	3.91	
1314002013	0.88	
F010766		
F010758		
1432017057	7.36	
1432017081	4.78	
1432017133	1.31	
1432017198	2.71	
1323070012	0.22	
1432017141	5.52	
1432018178	0.91	
1432018064	1.76	
1432018025	2.74	
1432018196	3.48	
1432018195	3.36	
1323070130	0.27	
1432018804	1.52	
1432017149	1.57	
1314012101	2.71	
1432018137	3.44	
1314012215	2.49	
1314012117	1.85	
F010763		5.73
F010779		5.82
1323069181	0.76	
1323069069	0.40	
1431007084	1.31	
1323069175	0.62	
1431007261	1.44	
1431007212	1.72	
1431007150	1.96	
1323069114	0.29	
1323069063	0.42	
1431007061	2.24	
1431007349	2.18	
1314012114	2.08	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1323070023	0.43	
1323069001	0.60	
1323070047	0.19	
1323070039	0.38	
1314012169	2.46	
1431007276	2.92	
1431007284	2.15	
1431007260	2.92	
1314012226	1.85	
1431007401	3.59	
1431007089	2.04	
F010761		
F010747		
1314002020	2.19	
1323068141	2.40	
1314002125	0.98	
1314002169	2.02	
1314002160	0.63	
1323069066	0.32	
1323068013	1.18	
1323068050	0.44	
1323069131	0.40	
1323069343	1.04	
1323068401	0.66	
1323068418	0.42	
1323069064	0.41	
1323069141	0.78	
1323069324	0.63	
1323069043	0.40	
1323069311	0.32	
1323069051	0.16	
1323069035	0.27	
1323069019	0.16	
1323070412	0.42	
1323069167	0.25	
F010762		
F010748		
1432017113	2.33	
1431007375	5.04	
1431007037	1.85	
1431007290	3.40	
1431007035	1.69	
1431007158	1.98	
1431007246	2.22	
1431007156	1.94	
1432017404	1.99	
1431007233	1.70	
1431007234	1.52	
1431007206	0.81	
1432017011	3.10	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1432017044	7.12	
1432017116	1.74	
1432017073	3.73	
1432017031	4.23	
1432017118	2.20	
F010756		5.81
F010746		5.86
1314003210	1.13	
1314003077	1.33	
1314003066	1.50	
1314003132	0.73	
1314002060	1.35	
1314003014	1.05	
1314003209	1.27	
1314003549	0.76	
1314002131	2.12	
1314003531	1.76	
1314003528	2.06	
1314003520	0.67	
1314002140	2.82	
1323068082	1.58	
1314002100	1.93	
1323068031	5.13	
1314002045	1.38	
1323068011	2.30	
1323068164	2.00	
1314002096	1.63	
1314002177	3.70	
F010757		
F010745		
1324079155	0.07	
1324079129	0.68	
1324079001	0.31	
1431099044	0.61	
1324079403	0.26	
1324081403	0.45	
1324081001	0.35	
1324081409	0.39	
1324081044	0.23	
1324081013	0.21	
1324081203	0.13	
1314005105	3.13	
1324081034	0.95	
1314005606	3.02	
1314005049	3.51	
1314005013	2.98	
1324081225	0.35	
F010744		
F010759		
1314010156	1.85	54.0

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1314010043	1.22	
1314010611	0.85	
1318083002	2.44	
1322049108	2.92	
1318083038	2.64	
1314010024	1.83	
1322049170	0.26	
1314010606	3.20	
1318083100	4.89	
1314010180	2.51	
1314010190	1.45	
1318083059	3.49	
1322049068	2.26	
1322049031	0.88	
1322049116	3.85	
1322049053	3.00	
F011931		5.76
F011947		5.70
GC22-2023-009FD	0.93	
GC22-5031-009FD	1.63	
1321073245	1.48	
1321075401	1.57	
1321073304	1.35	
GC22-2023-011	0.64	
GC22-0307-013	1.30	
GC22-5027-015	0.86	
GC22-2009-005	0.84	
GC22-2024-009FD	1.01	
GC22-2004-010	0.54	
GC22-2007-009FD	0.59	
GC22-2014-009	1.11	
1321073232	1.29	
1321073429	1.34	
1321073288	1.10	
GC22-2012-002	0.53	
1321079122	0.49	
1321073444	1.66	
F011916		
F011933		
1323070002	0.40	
1314012122	0.22	
1323070124	0.35	
1432018085	5.75	
1323070092	0.45	
1314012093	0.09	
1314012233	2.20	
1323070568	1.16	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1323070519	0.47	
1323070536	0.38	
1323070506	0.48	
1314012060	2.03	
1432086821	2.46	
1314012067	0.13	
1314012022	3.67	
F011948		
F011914		
1314012827	2.99	
1314012818	2.74	
1314012870	2.69	
1314012885	0.61	
1314012883	2.80	
1314008086	2.91	
1314008128	1.74	
1314008149	2.03	
1314012033	0.24	
1314008107	2.46	
1314012007	1.35	
1314008079	4.66	
1314008062	1.92	
1314008094	1.48	
1314010115	1.53	
1314010050	1.48	
1314008176	1.91	
1314010088	0.53	
1314008002	1.59	
1314010084	1.68	
1322049419	0.90	
1314008010	4.19	
F011940		
F011918		

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas									0.2	< 0.5	65	1030	< 1	23	94	119	6.73	213	31	1170	1.0	< 2	0.16
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
GXR-6 Meas									< 0.2	< 0.5	66	1020	< 1	23	93	119	6.63	218	31	1090	1.0	< 2	0.15
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
BaSO4 Meas							41.6																
BaSO4 Cert							41.94																
BaSO4 Meas							41.5																
BaSO4 Cert							41.94																
BaSO4 Meas							42.0																
BaSO4 Cert							41.94																
BaSO4 Meas							40.8																
BaSO4 Cert							41.94																
BaSO4 Meas							1.57																
BaSO4 Cert							41.94																
BaSO4 Meas							41.5																
BaSO4 Cert							41.94																
BaSO4 Meas							41.8																
BaSO4 Cert							41.94																
BaSO4 Meas							42.2																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							42.2																
BaSO4 Cert							41.94																
BaSO4 Meas							42.7																
BaSO4 Cert							41.94																
BaSO4 Meas							43.0																
BaSO4 Cert							41.94																
BaSO4 Meas							41.5																
BaSO4 Cert							41.94																
BaSO4 Meas							42.0																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
BaSO4 Meas							41.1																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
OREAS 98 (Aqua Regia) Meas									41.7		> 10000				272	1130						10	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						90	
OREAS 98 (Aqua Regia) Meas									40.6		> 10000				267	1120						19	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
OREAS 98 (Aqua Regia) Meas									42.1		> 10000				270	1110						10	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						90	

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
RTS-3a Meas							29.7																
RTS-3a Cert							29.90																
RTS-3a Meas							29.2																
RTS-3a Cert							29.90																
RTS-3a Meas							41.1																
RTS-3a Cert							29.90																
RTS-3a Meas							29.4																
RTS-3a Cert							29.90																
RTS-3a Meas							29.6																
RTS-3a Cert							29.90																
RTS-3a Meas							30.2																
RTS-3a Cert							29.90																
RTS-3a Meas							29.7																
RTS-3a Cert							29.90																
RTS-3a Meas							29.7																
RTS-3a Cert							29.90																
RTS-3a Meas							29.3																
RTS-3a Cert							29.90																
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							0.42																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
NBM-1 (slight fzz) Meas			8.35																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.81																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.30																				
NBM-1 (slight fzz) Cert			8.53																				
OREAS 922 (AQUA REGIA) Meas									0.6	< 0.5	2300	788	< 1	35	74	259	2.80	5		90	0.9	7	0.37
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2260	781	< 1	38	63	261	2.79	4		89	0.8	9	0.37
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.6	< 0.5	2280	802	< 1	36	64	263	2.84	3		94	0.9	7	0.38
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 923 (AQUA REGIA) Meas									2.4	< 0.5	4470	890	< 1	33	83	330	2.83	5		73	0.8	14	0.37
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									2.4	< 0.5	4380	874	< 1	34	82	334	2.78	7		70	0.7	15	0.37
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.5	< 0.5	4370	880	< 1	32	85	331	2.77	8		73	0.8	17	0.37
OREAS 923 (AQUA REGIA)									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
Oreas 96 (Aqua Regia) Meas									11.7		> 10000				91	421						14	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									11.2		> 10000				88	409						11	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									11.3		> 10000				90	410						17	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas											338	168	< 1	228	6	25	6.77			171	1.2	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											332	164	< 1	224	5	24	6.68			169	1.2	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											348	174	< 1	234	5	25	6.74			176	1.2	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 238 (Fire Assay) Meas								3080															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3070															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3070															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3040															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3120															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3040															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3040															
OREAS 238 (Fire								3030															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
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GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas								514															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								514															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								517															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								520															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								494															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								526															
Oreas E1336 (Fire Assay) Cert								510.000															
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									42.3	162	1860	444	8	15	> 5000	> 10000	1.23	50		14	0.8	< 2	1.27
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									42.9	164	1860	456	8	17	> 5000	> 10000	1.23	53		11	0.8	3	1.29
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									43.1	165	1850	449	8	14	> 5000	> 10000	1.20	49		14	0.8	4	1.28
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
1314005528 Orig									0.6	1.1	129	682	2	8	6	346	1.33	10	30	41	< 0.5	< 2	1.28
1314005528 Dup									0.6	1.0	127	672	2	9	6	342	1.28	12	28	34	< 0.5	< 2	1.25
1314005524 Orig							0.44	252															
1314005524 Dup							0.44	250															
1314003178 Orig																							
1314003178 Dup																							
1432017081 Orig		-66.1		68.9	0.511	135.01		161															
1432017081 Dup		-67.3		67.7	0.501	135.01		157															
1432017133 Orig							0.55																
1432017133 Dup							0.64																
1323070012 Orig																							
1323070012 Dup																							
1432017141 Orig									5.3	5.6	226	1670	< 1	50	< 2	1280	3.87	59	25	18	< 0.5	< 2	0.38
1432017141 Dup									5.6	5.4	229	1700	< 1	51	< 2	1320	3.94	57	25	22	< 0.5	2	0.39
1432018804 Orig								113															
1432018804 Dup								115															
1314012101 Orig																							
1314012101 Dup																							
1432018137 Orig							0.98																
1432018137 Dup							0.99																
1323069069 Orig									< 0.2	0.7	23	544	< 1	8	3	240	1.26	8	31	55	< 0.5	< 2	1.89
1323069069 Dup									< 0.2	0.7	23	514	< 1	9	< 2	233	1.19	9	28	54	< 0.5	< 2	1.77
1323069175 Orig								68															
1323069175 Dup								85															
1431007150 Orig							0.72																
1431007150 Dup							0.69																
1323069114 Orig																							

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1323069114 Dup																							
1314012114 Orig	None	-46.3		11.9	0.205	58.20																	
1314012114 Dup	None	-45.3		12.9	0.221	58.20																	
1323070039 Orig								59															
1323070039 Dup								62															
1431007276 Orig																							
1431007276 Dup																							
1431007260 Orig							1.09																
1431007260 Dup							1.22																
1323068141 Orig									0.9	< 0.5	169	1160	< 1	60	< 2	372	3.24	9	25	36	< 0.5	< 2	2.83
1323068141 Dup									0.9	< 0.5	169	1180	< 1	59	< 2	377	3.25	7	24	37	< 0.5	< 2	2.86
1314002169 Orig								346															
1314002169 Dup								338															
1323069066 Orig							0.31																
1323069066 Dup							0.31																
1323069064 Orig			9.31																				
1323069064 Dup			9.33																				
1323069043 Orig									< 0.2	< 0.5	11	582	< 1	9	3	79	1.37	8	28	56	< 0.5	< 2	1.90
1323069043 Dup									< 0.2	< 0.5	11	590	< 1	9	4	78	1.40	10	30	56	< 0.5	< 2	1.91
1323069311 Orig								30															
1323069311 Dup								29															
1323069035 Orig							0.36																
1323069035 Dup							0.35																
1431007037 Orig								357															
1431007037 Dup								341															
1431007035 Orig																							
1431007035 Dup																							
1431007158 Orig							0.67																
1431007158 Dup							0.67																
1431007246 Orig									0.4	< 0.5	41	1330	< 1	116	< 2	177	4.33	9	23	38	< 0.5	< 2	3.36
1431007246 Dup									0.5	< 0.5	38	1330	< 1	115	< 2	169	4.26	6	26	38	< 0.5	2	3.33
1432017011 Orig	Slight	-58.1		28.4	0.328	86.54																	
1432017011 Dup	Slight	-58.3		28.2	0.326	86.54																	
1432017044 Orig								412															
1432017044 Dup								395															
1432017116 Orig																							
1432017116 Dup																							
1314003210 Orig							0.31																
1314003210 Dup							0.31																
1314003066 Orig									0.6	< 0.5	331	272	< 1	4	< 2	39	2.88	8	28	44	< 0.5	5	1.47
1314003066 Dup									0.6	< 0.5	333	270	< 1	4	< 2	38	2.84	9	27	44	< 0.5	4	1.45
1314002060 Orig								108															
1314002060 Dup								116															
1314003549 Orig																							
1314003549 Dup																							
1314003531 Orig							0.40																
1314003531 Dup							0.43																
1314002045 Orig								163															
1314002045 Dup								97															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1323068011 Orig																							
1323068011 Dup																							
1323068164 Orig									1.0	2.0	78	1780	< 1	47	< 2	484	4.22	9	29	30	< 0.5	< 2	3.69
1323068164 Dup									1.0	1.9	79	1770	< 1	47	< 2	486	4.27	11	29	30	< 0.5	< 2	3.70
1324079129 Orig							0.46																
1324079129 Dup							0.45																
1324081001 Orig								35															
1324081001 Dup								37															
1324081409 Orig																							
1324081409 Dup																							
1324081203 Orig							0.29																
1324081203 Dup							0.29																
1314005105 Orig									0.6	< 0.5	17	347	< 1	8	6	63	1.57	20	25	19	< 0.5	3	0.83
1314005105 Dup									0.5	< 0.5	16	351	< 1	7	5	65	1.55	22	26	22	< 0.5	4	0.82
1314010156 Orig								> 5000															
1314010156 Dup								> 5000															
1314010611 Orig	None																						
1314010611 Dup	None																						
1322049108 Orig			8.47																				
1322049108 Dup			8.47																				
1314010024 Orig							0.47																
1314010024 Dup							0.47																
1322049170 Orig									< 0.2	< 0.5	17	504	< 1	12	< 2	120	2.36	7	28	80	< 0.5	< 2	1.39
1322049170 Dup									< 0.2	< 0.5	16	506	< 1	12	< 2	121	2.36	4	28	79	< 0.5	< 2	1.40
1314010180 Orig								264															
1314010180 Dup								271															
1314010190 Orig																							
1314010190 Dup																							
1322049116 Orig							2.02																
1322049116 Dup							2.00																
1321073245 Orig								86															
1321073245 Dup								64															
1321073304 Orig									0.8	0.7	26	709	< 1	7	45	251	1.86	27	34	44	< 0.5	< 2	1.55
1321073304 Dup									0.9	0.7	25	717	< 1	7	44	252	1.86	24	34	48	< 0.5	< 2	1.55
GC22-2007-009FD Orig							0.19																
GC22-2007-009FD Dup							0.29																
1321073232 Orig								100															
1321073232 Dup								87															
1321073288 Orig																							
1321073288 Dup																							
1314012122 Orig							0.15																
1314012122 Dup							0.29																
1323070092 Orig								33															
1323070092 Dup								30															
1314012233 Orig																							
1314012233 Dup																							
1323070519 Orig									< 0.2	< 0.5	4	504	< 1	7	< 2	34	1.42	3	27	41	< 0.5	< 2	1.80

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1323070519 Dup									< 0.2	< 0.5	4	509	< 1	9	< 2	35	1.42	4	30	42	< 0.5	< 2	1.82
1432086821 Orig	Slight	-0.525		67.4	0.992	67.96																	
1432086821 Dup	Slight	-0.547		67.4	0.992	67.96																	
1314012022 Orig							0.75																
1314012022 Dup							0.78																
1314012827 Orig								190															
1314012827 Dup								159															
1314012870 Orig																							
1314012870 Dup																							
1314012883 Orig								83															
1314012883 Dup								91															
1314008149 Orig									0.4	2.1	72	713	< 1	11	< 2	679	2.45	13	27	31	< 0.5	< 2	1.05
1314008149 Dup									0.4	2.1	71	715	< 1	9	< 2	675	2.48	13	29	30	< 0.5	< 2	1.05
1314012033 Orig							0.20																
1314012033 Dup							0.21																
1314008062 Orig																							
1314008062 Dup																							
1314008094 Orig								65															
1314008094 Dup								62															
1322049419 Orig			8.70					23	0.2	< 0.5	124	1320	< 1	72	4	228	4.44	4	28	50	< 0.5	< 2	3.52
1322049419 Dup			8.73					23	0.2	< 0.5	126	1350	< 1	73	3	233	4.56	4	29	51	< 0.5	< 2	3.57
1314008010 Orig	Slight	-100		17.7	0.150	118.05	1.22																
1314008010 Dup	Slight	-104		16.7	0.139	120.47	1.09																
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								5															
Method Blank								< 5															
Method Blank								5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank																							
Method Blank																							
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	2	< 2	< 2	< 0.01	< 2	45	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	40	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	42	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	40	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	2	< 2	< 2	< 0.01	< 2	41	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	45	< 10	< 0.5	< 2	< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GXR-6 Meas	13	75	5.51	20	2	0.97	< 10	0.37	0.073	0.033	0.01	5	20	37		< 1	< 2	< 10	156	< 10	4	7	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	13	75	5.52	20	1	0.96	< 10	0.37	0.070	0.033	0.01	4	20	34		3	< 2	< 10	155	< 10	4	8	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
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BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas	110											16											
OREAS 98 (Aqua Regia) Cert	111											15											
OREAS 98 (Aqua Regia) Meas	108											15											
OREAS 98 (Aqua Regia) Cert	111											15											
OREAS 98 (Aqua Regia) Meas	109											17											
OREAS 98 (Aqua Regia) Cert	111											15											
RTS-3a Meas																							
RTS-3a Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
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RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.08
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
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SiO2 Meas																							< 0.01
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SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	20	45	5.41	< 10		0.40	34	1.30	0.020	0.064	0.38	2	4	17			< 2	< 10	33	< 10	16	3	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	44	5.36	< 10		0.39	34	1.30	0.020	0.064	0.38	4	4	16			< 2	< 10	32	< 10	16	4	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	45	5.45	< 10		0.41	35	1.34	0.021	0.065	0.38	3	4	17			< 2	< 10	33	< 10	17	4	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	23	41	6.18	< 10		0.34	31	1.39		0.061	0.69	3	3	15			< 2	< 10	32	< 10	15	5	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	41	6.08	< 10		0.32	31	1.39		0.060	0.68	2	3	14			< 2	< 10	31	< 10	14	4	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	23	40	6.04	< 10		0.34	31	1.39		0.060	0.68	3	3	15			< 2	< 10	32	< 10	15	9	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas	49										4.05	7											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	48										3.68	6											

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	48										4.01	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	39	342	13.9	20	1	0.09	< 10	0.17	0.034	0.021	0.02		29	14	0.12		< 2	< 10	197		5	14	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	38	335	13.7	20	< 1	0.09	< 10	0.17	0.033	0.021	0.02		28	14	0.12		< 2	< 10	194		5	15	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	40	351	14.0	20	1	0.09	10	0.17	0.034	0.021	0.02		28	15	0.14		< 2	< 10	198		5	18	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
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OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
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Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							8.16
GS317-5 Cert																							8.46
GS317-5 Meas																							8.08
GS317-5 Cert																							8.46
GS317-5 Meas																							8.13
GS317-5 Cert																							8.46
GS317-5 Meas																							8.10
GS317-5 Cert																							8.46
GS317-5 Meas																							8.33
GS317-5 Cert																							8.46
GS317-5 Meas																							7.70
GS317-5 Cert																							8.46
GS317-5 Meas																							8.06
GS317-5 Cert																							8.46
GS317-5 Meas																							8.06
GS317-5 Cert																							8.46
GS317-5 Meas																							8.39
GS317-5 Cert																							8.46
GS317-5 Meas																							8.36
GS317-5 Cert																							8.46

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Oreas 620 (Aqua Regia) Meas	14	20	2.75	< 10	2	0.29	25	0.27	0.117	0.031	2.59	60		21			< 2	< 10	8	< 10	7	34	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	24	2.78	< 10	2	0.28	24	0.27	0.115	0.031	2.62	58		20			< 2	< 10	8	< 10	7	29	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	18	2.75	< 10	2	0.28	24	0.27	0.115	0.030	2.60	55		19			< 2	< 10	8	< 10	7	18	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
1314005528 Orig	8	10	2.62	< 10	< 1	0.20	13	0.92	0.074	0.041	1.56	< 2	1	59	< 0.01	< 1	< 2	< 10	14	< 10	2	9	
1314005528 Dup	8	9	2.61	< 10	< 1	0.20	12	0.91	0.072	0.041	1.55	< 2	1	58	< 0.01	< 1	< 2	< 10	14	< 10	2	7	
1314005524 Orig																							0.35
1314005524 Dup																							0.35
1314003178 Orig																							
1314003178 Dup																							
1432017081 Orig																							
1432017081 Dup																							
1432017133 Orig																							
1432017133 Dup																							
1323070012 Orig																							0.53
1323070012 Dup																							0.56
1432017141 Orig	46	55	12.3	10	2	0.07	< 10	2.20	0.023	0.072	4.93	5	14	8	0.02	2	< 2	< 10	144	< 10	7	6	
1432017141 Dup	47	56	12.6	10	1	0.07	< 10	2.25	0.023	0.073	5.09	5	15	8	0.02	2	< 2	< 10	146	< 10	7	6	
1432018804 Orig																							
1432018804 Dup																							
1314012101 Orig																							0.13
1314012101 Dup																							0.13
1432018137 Orig																							
1432018137 Dup																							
1323069069 Orig	7	9	2.39	< 10	< 1	0.16	12	0.83	0.038	0.040	0.41	2	1	35	0.02	2	< 2	< 10	14	< 10	3	6	
1323069069 Dup	7	8	2.25	< 10	< 1	0.15	11	0.78	0.036	0.038	0.39	< 2	1	33	0.02	2	< 2	< 10	13	< 10	3	8	
1323069175 Orig																							
1323069175 Dup																							
1431007150 Orig																							
1431007150 Dup																							
1323069114 Orig																							0.60
1323069114 Dup																							0.61
1314012114 Orig																							
1314012114 Dup																							
1323070039 Orig																							
1323070039 Dup																							
1431007276 Orig																							1.67
1431007276 Dup																							1.68
1431007260 Orig																							
1431007260 Dup																							
1323068141 Orig	40	44	10.7	10	< 1	0.14	< 10	1.63	0.070	0.069	2.20	6	11	57	0.15	1	< 2	< 10	171	< 10	11	4	
1323068141 Dup	41	45	10.8	10	< 1	0.15	< 10	1.65	0.071	0.069	2.18	6	11	58	0.16	< 1	< 2	< 10	170	< 10	11	4	
1314002169 Orig																							
1314002169 Dup																							
1323069066 Orig																							0.73

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1323069066 Dup																							0.73
1323069064 Orig																							
1323069064 Dup																							
1323069043 Orig	8	9	2.11	< 10	< 1	0.20	13	0.92	0.046	0.040	0.37	< 2	< 1	37	0.02	1	< 2	< 10	13	< 10	3	6	0.66
1323069043 Dup	8	9	2.12	< 10	< 1	0.20	12	0.93	0.047	0.041	0.37	< 2	1	38	0.02	< 1	< 2	< 10	13	< 10	3	7	0.67
1323069311 Orig																							
1323069311 Dup																							
1323069035 Orig																							
1323069035 Dup																							
1431007037 Orig																							
1431007037 Dup																							
1431007035 Orig																							0.60
1431007035 Dup																							0.61
1431007158 Orig																							
1431007158 Dup																							
1431007246 Orig	35	97	7.43	< 10	< 1	0.08	< 10	2.90	0.313	0.039	2.04	4	5	116	0.02	< 1	< 2	< 10	101	< 10	4	5	
1431007246 Dup	35	96	7.28	< 10	1	0.08	< 10	2.87	0.305	0.038	2.03	3	5	114	0.02	< 1	< 2	< 10	99	< 10	4	5	
1432017011 Orig																							
1432017011 Dup																							
1432017044 Orig																							
1432017044 Dup																							
1432017116 Orig																							1.65
1432017116 Dup																							1.65
1314003210 Orig																							
1314003210 Dup																							
1314003066 Orig	5	7	3.08	< 10	< 1	0.18	< 10	0.82	0.137	0.033	1.48	2	< 1	110	0.02	< 1	< 2	< 10	9	< 10	2	11	
1314003066 Dup	5	7	3.05	< 10	< 1	0.18	< 10	0.82	0.135	0.032	1.43	< 2	< 1	109	0.02	< 1	< 2	< 10	9	< 10	2	11	
1314002060 Orig																							
1314002060 Dup																							
1314003549 Orig																							0.30
1314003549 Dup																							0.30
1314003531 Orig																							
1314003531 Dup																							
1314002045 Orig																							
1314002045 Dup																							
1323068011 Orig																							0.83
1323068011 Dup																							0.82
1323068164 Orig	30	62	9.26	10	1	0.45	< 10	1.93	0.238	0.075	1.74	5	14	92	0.18	< 1	< 2	< 10	184	< 10	11	4	
1323068164 Dup	31	63	9.39	10	< 1	0.46	< 10	1.93	0.241	0.076	1.77	6	14	92	0.19	< 1	< 2	< 10	184	< 10	11	4	
1324079129 Orig																							
1324079129 Dup																							
1324081001 Orig																							
1324081001 Dup																							
1324081409 Orig																							0.53
1324081409 Dup																							0.53
1324081203 Orig																							
1324081203 Dup																							
1314005105 Orig	8	5	3.36	< 10	< 1	0.16	13	0.92	0.085	0.041	3.21	2	< 1	35	< 0.01	3	< 2	< 10	6	< 10	2	16	
1314005105 Dup	8	5	3.33	< 10	< 1	0.16	13	0.91	0.084	0.041	3.17	< 2	< 1	35	< 0.01	2	< 2	< 10	6	< 10	2	17	
1314010156 Orig																							0.11
1314010156 Dup																							0.12

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1314010611 Orig																							
1314010611 Dup																							
1322049108 Orig																							
1322049108 Dup																							
1314010024 Orig																							
1314010024 Dup																							
1322049170 Orig	9	9	2.53	< 10	< 1	0.18	20	0.99	0.170	0.053	0.26	< 2	2	61	0.04	< 1	< 2	< 10	23	< 10	3	3	
1322049170 Dup	9	9	2.54	< 10	< 1	0.18	21	0.98	0.169	0.053	0.26	< 2	2	61	0.04	< 1	< 2	< 10	23	< 10	3	2	
1314010180 Orig																							
1314010180 Dup																							
1314010190 Orig																							0.08
1314010190 Dup																							0.07
1322049116 Orig																							
1322049116 Dup																							
1321073245 Orig																							
1321073245 Dup																							
1321073304 Orig	8	6	2.05	< 10	< 1	0.28	16	0.70	0.094	0.040	1.36	< 2	< 1	41	0.03	2	< 2	< 10	9	< 10	2	7	0.36
1321073304 Dup	8	6	2.06	< 10	< 1	0.28	17	0.71	0.094	0.040	1.39	2	< 1	41	0.03	3	< 2	< 10	9	< 10	2	9	0.36
GC22-2007-009FD Orig																							
GC22-2007-009FD Dup																							
1321073232 Orig																							
1321073232 Dup																							
1321073288 Orig																							0.68
1321073288 Dup																							0.69
1314012122 Orig																							
1314012122 Dup																							
1323070092 Orig																							
1323070092 Dup																							
1314012233 Orig																							0.08
1314012233 Dup																							0.08
1323070519 Orig	7	11	2.52	< 10	< 1	0.11	12	0.83	0.076	0.040	0.56	< 2	2	37	< 0.01	2	< 2	< 10	16	< 10	2	6	
1323070519 Dup	7	12	2.56	< 10	< 1	0.11	13	0.84	0.078	0.041	0.57	< 2	2	37	< 0.01	< 1	< 2	< 10	16	< 10	2	6	
1432086821 Orig																							
1432086821 Dup																							
1314012022 Orig																							
1314012022 Dup																							
1314012827 Orig																							
1314012827 Dup																							
1314012870 Orig																							0.10
1314012870 Dup																							0.10
1314012883 Orig																							
1314012883 Dup																							
1314008149 Orig	10	9	3.22	< 10	< 1	0.28	13	1.61	0.112	0.043	2.00	< 2	1	55	0.05	< 1	< 2	< 10	17	< 10	4	11	
1314008149 Dup	11	9	3.21	< 10	< 1	0.29	13	1.60	0.113	0.043	2.05	7	1	56	0.05	2	< 2	< 10	17	< 10	4	12	
1314012033 Orig																							
1314012033 Dup																							
1314008062 Orig																							0.04
1314008062 Dup																							0.06
1314008094 Orig																							
1314008094 Dup																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1322049419 Orig	35	76	8.09	10	< 1	0.24	< 10	2.54	0.287	0.053	0.81	3	13	116	0.15	< 1	< 2	< 10	170	< 10	8	5	
1322049419 Dup	35	77	8.27	10	1	0.25	< 10	2.60	0.293	0.055	0.83	4	13	118	0.16	< 1	< 2	< 10	175	< 10	8	5	
1314008010 Orig																							0.12
1314008010 Dup																							0.12
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GXR-6 Meas		
GXR-6 Cert		
GXR-6 Meas		
GXR-6 Cert		
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	13.8	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
RTS-3a Meas		
RTS-3a Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.58	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		12.3
OREAS 229b (Fire Assay) Cert		11.95
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.36	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.36	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
OREAS 257b (Fire Assay) Meas		14.2
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	14.5	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	13.5	
GS317-5 Cert	15.5	
GS317-5 Meas	14.3	
GS317-5 Cert	15.5	
GS317-5 Meas	14.2	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS317-5 Cert	15.5	
GS317-5 Meas	14.5	
GS317-5 Cert	15.5	
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
1314005528 Orig		
1314005528 Dup		
1314005524 Orig	1.35	
1314005524 Dup	1.42	
1314003178 Orig		6.82
1314003178 Dup		5.95
1432017081 Orig		
1432017081 Dup		
1432017133 Orig		
1432017133 Dup		
1323070012 Orig	0.22	
1323070012 Dup	0.25	
1432017141 Orig		
1432017141 Dup		
1432018804 Orig		
1432018804 Dup		
1314012101 Orig	2.71	
1314012101 Dup	2.80	
1432018137 Orig		
1432018137 Dup		
1323069069 Orig		
1323069069 Dup		
1323069175 Orig		
1323069175 Dup		
1431007150 Orig		
1431007150 Dup		
1323069114 Orig	0.29	
1323069114 Dup	0.28	
1314012114 Orig		
1314012114 Dup		
1323070039 Orig		
1323070039 Dup		
1431007276 Orig	2.92	
1431007276 Dup	2.96	
1431007260 Orig		
1431007260 Dup		
1323068141 Orig		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1323068141 Dup		
1314002169 Orig		
1314002169 Dup		
1323069066 Orig	0.32	
1323069066 Dup	0.33	
1323069064 Orig		
1323069064 Dup		
1323069043 Orig	0.40	
1323069043 Dup	0.37	
1323069311 Orig		
1323069311 Dup		
1323069035 Orig		
1323069035 Dup		
1431007037 Orig		
1431007037 Dup		
1431007035 Orig	1.69	
1431007035 Dup	1.70	
1431007158 Orig		
1431007158 Dup		
1431007246 Orig		
1431007246 Dup		
1432017011 Orig		
1432017011 Dup		
1432017044 Orig		
1432017044 Dup		
1432017116 Orig	1.74	
1432017116 Dup	1.75	
1314003210 Orig		
1314003210 Dup		
1314003066 Orig		
1314003066 Dup		
1314002060 Orig		
1314002060 Dup		
1314003549 Orig	0.76	
1314003549 Dup	0.77	
1314003531 Orig		
1314003531 Dup		
1314002045 Orig		
1314002045 Dup		
1323068011 Orig	2.30	
1323068011 Dup	2.28	
1323068164 Orig		
1323068164 Dup		
1324079129 Orig		
1324079129 Dup		
1324081001 Orig		
1324081001 Dup		
1324081409 Orig	0.39	
1324081409 Dup	0.39	
1324081203 Orig		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1324081203 Dup		
1314005105 Orig		
1314005105 Dup		
1314010156 Orig	1.85	54.0
1314010156 Dup	1.91	66.9
1314010611 Orig		
1314010611 Dup		
1322049108 Orig		
1322049108 Dup		
1314010024 Orig		
1314010024 Dup		
1322049170 Orig		
1322049170 Dup		
1314010180 Orig		
1314010180 Dup		
1314010190 Orig	1.45	
1314010190 Dup	1.47	
1322049116 Orig		
1322049116 Dup		
1321073245 Orig		
1321073245 Dup		
1321073304 Orig	1.35	
1321073304 Dup	1.29	
GC22-2007-009FD Orig		
GC22-2007-009FD Dup		
1321073232 Orig		
1321073232 Dup		
1321073288 Orig	1.10	
1321073288 Dup	1.08	
1314012122 Orig		
1314012122 Dup		
1323070092 Orig		
1323070092 Dup		
1314012233 Orig	2.20	
1314012233 Dup	2.19	
1323070519 Orig		
1323070519 Dup		
1432086821 Orig		
1432086821 Dup		
1314012022 Orig		
1314012022 Dup		
1314012827 Orig		
1314012827 Dup		
1314012870 Orig	2.69	
1314012870 Dup	2.69	
1314012883 Orig		
1314012883 Dup		
1314008149 Orig		
1314008149 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1314012033 Orig		
1314012033 Dup		
1314008062 Orig	1.92	
1314008062 Dup	1.99	
1314008094 Orig		
1314008094 Dup		
1322049419 Orig		
1322049419 Dup		
1314008010 Orig	4.19	
1314008010 Dup	4.22	
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-14590**
Report Date: **16-Jan-23**
Date Submitted: **07-Oct-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre
555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

140 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-10-24 15:05:03
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-11-02 21:43:31

REPORT **A22-14590**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: **A22-14590**
Report Date: **16-Jan-23**
Date Submitted: **07-Oct-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre
555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

140 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2022-12-01 09:40:59
4F-C, S	Infrared	2022-11-24 21:32:50

REPORT **A22-14590**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1321074049	Slight	47.9	9.54	48.9	47.3	1.03	0.26	15	< 0.2	< 0.5	46	880	< 1	315	< 2	96	3.04	4	28	64	< 0.5	< 2	2.17
1432021090	None	-103	8.14	62.5	0.378	165.12	1.47	702	4.2	4.3	143	1770	< 1	39	10	555	1.94	23	24	13	< 0.5	< 2	1.49
1431012329	Slight	10.9	8.79	37.4	1.41	26.46	0.47	71	0.2	< 0.5	325	440	3	55	< 2	85	1.73	6	32	42	< 0.5	< 2	1.58
GC22-0299-001	Slight	-10.7	8.25	22.7	0.681	33.35	0.58	32	< 0.2	< 0.5	18	526	< 1	11	29	83	2.45	11	28	34	< 0.5	< 2	1.55
GC22-0293-010	None	-74.7	8.50	7.46	0.0908	82.17	0.58	72	0.4	< 0.5	5	298	< 1	7	3	62	1.85	20	27	19	< 0.5	3	0.77
GC22-5014-007	Slight	-47.0	7.69	17.5	0.271	64.45	0.73	73	0.4	< 0.5	23	376	1	7	5	59	2.13	17	26	23	< 0.5	3	1.08
GC22-0300-014	Slight	-33.8	7.95	10.5	0.237	44.22	0.65	213	0.2	< 0.5	65	340	< 1	9	3	46	2.31	7	28	35	< 0.5	4	0.87
GC22-5018-024	Slight	-35.3	8.11	12.2	0.257	47.51	0.52	353	0.3	< 0.5	485	279	< 1	2	< 2	23	2.09	7	26	28	< 0.5	7	0.93
1431012362	Slight	17.1	9.00	38.4	1.80	21.31	0.42	51	< 0.2	< 0.5	129	651	3	103	< 2	80	2.24	4	30	25	< 0.5	< 2	1.97
1321074125	Slight	37.9	9.47	41.8	10.7	3.92	0.32	10	< 0.2	< 0.5	75	462	< 1	151	3	44	2.05	6	24	44	< 0.5	< 2	2.67
GC22-5014-024	Slight	-12.5	8.22	14.7	0.541	27.24	0.50	336	0.7	< 0.5	243	458	< 1	9	< 2	66	2.33	3	26	33	< 0.5	3	0.79
1321074114	Slight	22.5	9.36	26.1	7.22	3.62	0.26	8	< 0.2	< 0.5	89	427	< 1	324	< 2	57	2.31	4	26	66	< 0.5	< 2	1.49
GC22-5015-015	Slight	-20.8	8.52	20.0	0.490	40.77	0.50	85	0.8	0.9	92	640	4	10	5	356	2.61	33	28	32	< 0.5	< 2	1.65
1321074162	Slight	-4.86	8.82	57.7	0.922	62.57	0.97	49	0.5	< 0.5	101	917	1	59	17	288	2.51	9	28	16	< 0.5	< 2	2.56
GC22-5018-007	None	-25.7	8.09	10.7	0.294	36.46	0.40	114	0.3	< 0.5	60	320	< 1	9	< 2	42	2.08	6	25	32	< 0.5	2	0.89
1431012442	Slight	52.1	8.40	85.9	2.54	33.78	0.73	69	0.2	< 0.5	228	537	1	69	3	72	2.15	3	26	23	< 0.5	< 2	2.67
GC22-0299-017	Slight	-20.5	8.76	10.5	0.338	31.04	0.48	314	0.2	< 0.5	94	418	< 1	10	5	50	2.06	4	23	26	< 0.5	< 2	0.64
GC22-0298-016	Slight	-46.3	8.41	14.0	0.232	60.27	0.52	68	0.3	< 0.5	7	368	< 1	7	4	66	2.51	13	21	24	< 0.5	3	1.30
F011391								1210															
F011388								1220															
1322049084	Slight	34.6	8.83	59.5	2.39	24.90	0.98	129	1.1	1.4	69	923	< 1	32	3	429	2.66	12	24	46	< 0.5	< 2	2.09
1433006010	Slight	37.8	9.33	42.2	9.54	4.42	0.25	13	< 0.2	< 0.5	42	531	< 1	51	3	99	4.08	9	29	71	< 0.5	< 2	2.87
1322048150	Slight	25.0	9.31	38.9	2.80	13.91	0.38	33	< 0.2	< 0.5	23	597	< 1	8	4	187	1.73	6	28	49	< 0.5	< 2	1.78
1433006020	Slight	6.51	9.05	22.2	1.41	15.69	0.31	7	< 0.2	< 0.5	47	630	< 1	28	6	90	3.24	4	30	62	< 0.5	< 2	2.32
1322048509	Slight	30.6	9.42	55.0	2.26	24.38	0.44	16	< 0.2	< 0.5	32	837	< 1	26	4	134	2.45	6	32	39	< 0.5	< 2	2.41
1432081116	Slight	53.1	8.74	87.6	2.54	34.50	0.60	63	0.3	< 0.5	145	924	< 1	134	< 2	126	2.61	6	25	19	< 0.5	< 2	3.13
1322048517	Slight	-38.3	8.98	17.0	0.307	55.25	0.51	224	0.7	< 0.5	23	295	< 1	7	37	139	0.96	44	25	25	< 0.5	< 2	0.65
20220706005	None	11.6	9.24	16.2	3.48	4.67	0.15	25	< 0.2	< 0.5	105	413	< 1	38	4	82	4.40	2	31	16	< 0.5	< 2	2.64
1322048116	Slight	-11.2	8.46	62.2	0.847	73.38	1.84	145	2.4	1.3	78	1480	< 1	44	4	401	3.15	27	26	17	< 0.5	< 2	2.82
1318083023	Slight	3.73	8.89	70.9	1.06	67.20	0.81	304	6.5	0.9	32	1950	< 1	21	101	308	1.34	80	22	20	< 0.5	< 2	2.31
1322049438	Slight	41.8	8.63	72.8	2.35	30.96	0.99	32	0.2	0.9	90	1080	< 1	68	3	283	3.87	7	25	17	< 0.5	< 2	2.64
1322049001	Slight	15.3	9.11	31.6	1.94	16.34	0.35	36	< 0.2	< 0.5	25	535	2	19	5	105	2.11	11	28	62	< 0.5	< 2	1.61
1322049228	Slight	47.4	9.15	62.5	4.14	15.08	0.50	36	0.3	0.7	47	999	< 1	27	7	287	3.18	7	28	80	< 0.5	< 2	2.61
1314010073	Slight	15.1	9.25	41.1	1.58	25.98	0.38	53	< 0.2	< 0.5	14	435	< 1	5	4	62	1.69	2	26	74	< 0.5	< 2	1.60
1318083082	None	-82.9	8.48	7.74	0.0855	90.61	1.05	2210	7.8	1.8	501	1100	< 1	16	169	452	2.42	162	24	22	< 0.5	6	0.18
1322049035	Slight	40.5	9.40	55.4	3.72	14.89	0.31	19	< 0.2	< 0.5	16	755	< 1	12	3	90	1.84	7	24	34	< 0.5	< 2	2.14
1322049138	Slight	45.1	8.70	85.4	2.12	40.26	1.21	54	0.5	0.8	86	1250	< 1	36	4	328	2.43	14	23	41	< 0.5	< 2	2.77
1322049034	Slight	41.0	8.72	88.0	1.87	46.99	1.23	199	1.0	0.9	101	1520	< 1	31	3	299	2.40	16	24	31	< 0.5	< 2	3.02
1314010089	Slight	-7.84	9.06	20.7	0.725	28.55	0.41	701	0.6	< 0.5	306	258	3	10	< 2	60	2.99	12	29	44	< 0.5	< 2	1.61
1433006038	Slight	25.7	9.17	51.8	1.98	26.12	0.51	45	0.2	< 0.5	39	707	< 1	15	3	194	2.10	13	26	51	< 0.5	< 2	2.27
1322049135	Slight	52.9	9.38	71.2	3.90	18.28	0.53	12	< 0.2	0.6	38	710	3	34	3	207	1.41	9	27	51	< 0.5	< 2	2.44
1322048147	Slight	34.4	9.30	44.6	4.39	10.16	0.29	19	< 0.2	< 0.5	27	562	< 1	11	11	84	2.12	5	28	33	< 0.5	< 2	2.06
1322048034	Slight	45.3	9.32	58.5	4.45	13.13	0.89	29	0.3	< 0.5	41	969	< 1	34	4	143	2.41	5	27	86	< 0.5	< 2	2.41
F011410								1050															
F011390								1060															
GC22-0301-001	None	-43.9	8.17	9.47	0.177	53.36	0.47	196	< 0.2	< 0.5	74	480	< 1	7	3	65	3.48	4	29	34	< 0.5	3	1.67
1321074085	Slight	32.2	9.58	34.9	12.9	2.70	0.22	6	< 0.2	< 0.5	13	398	< 1	13	4	98	1.16	3	28	40	< 0.5	< 2	1.24
GC22-5017-014	Slight	-10.2	8.89	29.1	0.741	39.31	0.55	235	0.4	< 0.5	154	627	1	8	3	66	2.92	12	26	40	< 0.5	4	1.92
1431012418	Slight	35.7	8.80	49.0	3.68	13.31	0.29	41	< 0.2	< 0.5	196	700	< 1	123	< 2	46	2.25	2	22	12	< 0.5	< 2	2.40

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1321074175	Slight	47.5	9.36	49.6	23.7	2.09	0.29	7	< 0.2	< 0.5	97	377	< 1	115	< 2	32	1.12	5	26	23	< 0.5	< 2	2.52
GC22-0301-011	None	-49.7	8.49	13.5	0.213	63.13	0.62	718	1.0	< 0.5	359	426	< 1	7	3	82	2.38	22	22	28	< 0.5	5	0.91
GC22-5011-001	Slight	-38.1	8.67	17.5	0.314	55.57	0.45	323	0.8	< 0.5	182	409	< 1	7	3	100	2.34	25	23	29	< 0.5	4	0.89
GC22-5021-001	Slight	-86.9	8.03	12.7	0.127	99.53	0.62	543	1.0	< 0.5	399	385	< 1	7	4	52	1.66	33	28	19	< 0.5	14	0.54
GC22-5019-001	None	-60.9	8.62	8.93	0.128	69.85	0.47	1220	0.2	< 0.5	38	386	< 1	6	2	82	2.26	14	27	29	< 0.5	9	0.52
GC22-5021-018	Slight	-27.0	8.64	20.8	0.435	47.71	0.49	28	< 0.2	< 0.5	9	370	< 1	10	2	46	1.98	15	25	27	< 0.5	2	1.15
1431012322	Slight	63.6	8.66	87.4	3.68	23.76	0.55	49	< 0.2	< 0.5	188	1030	< 1	168	< 2	272	3.37	6	25	35	< 0.5	< 2	3.12
1321074084	Slight	33.1	9.57	43.2	4.29	10.07	0.37	< 5	< 0.2	< 0.5	16	515	< 1	10	4	106	1.05	5	33	50	< 0.5	< 2	1.81
GC22-0471-015	None	-18.0	8.93	6.11	0.254	24.06	0.23	72	0.3	< 0.5	51	388	< 1	7	3	46	2.08	< 2	28	35	< 0.5	< 2	0.43
1321075123	Slight	15.1	8.97	37.7	1.67	22.55	0.53	13	< 0.2	< 0.5	46	961	2	23	7	178	2.60	8	25	66	< 0.5	< 2	1.95
1431012566	Slight	-22.3	8.77	28.1	0.557	50.46	0.58	45	< 0.2	< 0.5	97	700	< 1	51	4	85	2.04	8	32	30	< 0.5	< 2	1.31
GC22-5011-036	Slight	101	9.26	102	101	1.00	0.36	6	< 0.2	< 0.5	27	813	< 1	74	5	62	2.91	< 2	29	318	0.5	< 2	3.31
GC22-0470-009	Slight	-14.0	8.72	24.8	0.640	38.77	0.36	17	< 0.2	< 0.5	6	383	< 1	11	3	43	2.20	9	31	26	< 0.5	2	1.13
1431012570	Slight	5.85	8.94	23.5	1.33	17.63	0.31	52	0.2	< 0.5	114	638	1	90	2	97	2.31	6	25	29	< 0.5	< 2	1.20
GC22-5011-018	None	-79.9	8.33	8.56	0.0968	88.42	0.56	159	< 0.2	< 0.5	10	373	< 1	9	3	93	1.63	21	29	16	< 0.5	< 2	0.76
1321075151	Slight	-2.57	9.12	18.7	0.879	21.30	0.87	15	< 0.2	< 0.5	37	1030	< 1	29	5	204	2.75	7	30	63	< 0.5	< 2	2.57
F011400								> 5000															
F011389								> 5000															
1321074074	Slight	37.6	9.33	37.8	135	< 0.31	0.19	8	< 0.2	< 0.5	39	487	< 1	277	< 2	68	2.46	2	29	20	< 0.5	< 2	2.01
GC22-5003-001	None	-45.5	8.60	16.5	0.266	61.98	0.50	63	0.5	< 0.5	160	364	3	9	4	54	1.90	10	28	25	< 0.5	2	1.09
GC22-5002-001	None	-14.4	9.03	13.7	0.487	28.10	0.37	185	0.6	< 0.5	14	350	1	7	3	54	2.04	22	28	40	< 0.5	< 2	0.92
1321071101	Slight	102	9.06	118	7.08	16.73	0.70	19	< 0.2	< 0.5	54	1050	< 1	36	< 2	157	2.47	5	29	76	< 0.5	< 2	2.73
GC22-5003-018	Slight	-19.3	8.75	15.9	0.452	35.25	0.39	2020	0.7	< 0.5	106	435	< 1	2	3	72	2.48	9	26	27	< 0.5	3	1.30
1321071110	Slight	-0.957	8.49	34.6	0.973	35.53	0.70	104	1.0	2.1	23	870	2	16	9	561	1.33	15	29	49	< 0.5	< 2	2.09
GC22-5002-018	None	-1.45	8.59	11.5	0.888	12.95	0.22	93	0.4	< 0.5	147	448	< 1	11	< 2	72	2.84	5	26	33	< 0.5	< 2	0.76
1321074003	Slight	9.90	8.76	25.0	1.66	15.08	0.31	48	0.4	< 0.5	27	597	< 1	19	20	122	2.44	7	31	63	0.6	< 2	1.65
GC22-5001-001	Slight	6.69	9.04	30.7	1.28	24.05	0.50	19	< 0.2	< 0.5	19	827	< 1	8	4	75	2.77	26	25	49	< 0.5	< 2	1.94
1321074061	Slight	25.2	8.32	40.6	2.62	15.49	0.84	80	1.0	< 0.5	83	1020	< 1	49	10	198	3.42	6	27	42	< 0.5	< 2	3.20
1321074001	Slight	9.06	8.98	34.0	1.36	24.97	0.38	44	< 0.2	< 0.5	27	786	< 1	31	22	122	2.27	4	29	55	< 0.5	< 2	1.78
GC22-5007-018	Slight	-28.9	8.59	12.0	0.294	40.92	0.30	292	0.7	< 0.5	75	404	< 1	3	< 2	31	2.00	4	24	40	< 0.5	3	0.62
GC22-5007-001	None	-30.0	8.50	11.4	0.276	41.40	0.56	171	< 0.2	< 0.5	31	426	< 1	13	3	84	2.06	11	26	36	< 0.5	2	0.70
GC22-5006-001	Slight	9.65	9.02	32.0	1.43	22.35	0.44	83	0.3	< 0.5	36	837	< 1	11	5	62	2.52	27	24	67	< 0.5	< 2	1.80
1432021054	None	-25.1	8.44	17.0	0.403	42.10	0.54	41	0.2	0.6	56	1260	< 1	37	3	233	1.88	4	20	25	< 0.5	< 2	0.57
1321074132	Slight	9.51	8.65	42.5	1.29	33.03	0.69	50	0.6	0.6	105	830	1	32	8	305	2.62	4	32	43	< 0.5	< 2	2.26
GC22-5010-009FD	None	-21.7	8.72	14.2	0.396	35.88	0.34	266	0.6	< 0.5	164	390	< 1	8	< 2	68	2.35	7	26	41	< 0.5	2	0.91
GC22-5001-018	Slight	70.0	9.06	75.0	15.0	5.00	0.41	25	< 0.2	< 0.5	20	769	< 1	23	4	76	2.20	3	28	146	0.5	< 2	2.70
GC22-5009-001	Slight	-51.7	8.88	14.9	0.224	66.63	0.47	99	0.3	< 0.5	17	369	< 1	7	7	53	1.87	22	29	24	< 0.5	2	0.86
GC22-5009-018	None	-2.67	9.08	12.0	0.818	14.65	0.34	205	0.6	< 0.5	155	361	< 1	6	< 2	57	2.98	3	23	37	< 0.5	< 2	1.25
GC22-5008-009FD	Slight	-14.2	9.04	26.5	0.651	40.80	0.45	68	0.6	< 0.5	8	461	< 1	12	4	58	2.20	14	29	33	< 0.5	2	1.12
F011409								> 5000															
F011669								> 5000															
1322048114	Slight	48.2	9.63	49.0	58.2	0.84	0.22	< 5	< 0.2	< 0.5	11	363	< 1	4	< 2	57	1.09	< 2	27	49	< 0.5	< 2	1.76
1432021002	Slight	11.5	8.96	47.9	1.32	36.44	0.51	131	0.5	0.7	76	813	< 1	26	34	213	1.15	23	28	28	< 0.5	< 2	1.67
20220707F1	Slight	26.8	9.48	39.2	3.16	12.42	0.26	56	< 0.2	< 0.5	32	410	< 1	15	< 2	63	1.65	7	30	42	< 0.5	< 2	1.66
1322051109	Slight	21.0	8.99	48.2	1.77	27.16	0.37	84	< 0.2	< 0.5	36	488	< 1	10	2	41	1.31	14	29	41	< 0.5	< 2	1.71
1322050418	Slight	26.8	9.33	38.3	3.35	11.44	0.32	36	< 0.2	< 0.5	27	483	< 1	8	3	100	1.60	9	28	40	< 0.5	< 2	1.49
1322050090	Slight	35.2	9.46	40.6	7.40	5.49	0.35	24	< 0.2	2.7	42	467	< 1	8	< 2	765	1.13	8	30	45	< 0.5	< 2	1.42

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1322051020	Slight	29.2	9.66	32.9	8.85	3.72	0.20	16	< 0.2	< 0.5	24	398	< 1	6	4	64	1.17	4	25	55	< 0.5	< 2	1.21
1322051078	Slight	66.9	9.42	71.7	14.8	4.84	0.33	27	< 0.2	< 0.5	101	546	1	11	< 2	47	1.27	4	26	59	< 0.5	< 2	2.47
1322050428	Slight	38.6	9.57	43.1	9.42	4.58	0.23	10	< 0.2	< 0.5	18	591	< 1	9	2	73	1.84	5	27	27	< 0.5	< 2	1.71
1322048068	Slight	14.5	8.61	47.1	1.45	32.61	1.69	88	0.6	0.7	97	1420	< 1	46	< 2	339	2.78	7	24	38	< 0.5	< 2	2.32
1322051064	Slight	30.9	9.62	33.8	11.5	2.94	0.17	33	< 0.2	< 0.5	34	386	< 1	8	< 2	44	1.08	2	25	55	< 0.5	< 2	1.25
1322048076	Slight	-16.5	8.54	38.2	0.698	54.71	0.18	52	0.4	< 0.5	38	918	< 1	31	5	178	2.14	19	27	29	< 0.5	< 2	1.96
1322051095	Slight	31.2	9.51	35.9	7.60	4.72	0.26	24	< 0.2	< 0.5	23	430	1	10	< 2	44	1.19	4	26	47	< 0.5	< 2	1.45
1322051107	Slight	55.8	9.34	63.5	8.26	7.69	0.35	26	< 0.2	< 0.5	21	483	< 1	11	2	43	1.25	6	25	39	< 0.5	< 2	2.27
1322048049	Slight	5.37	8.96	42.6	1.14	37.25	0.91	31	0.4	< 0.5	75	968	< 1	38	4	250	3.02	16	30	36	< 0.5	< 2	2.69
F011634								1220															
F011624								1210															
GC22-5023-024	Slight	0.245	8.99	13.7	1.02	13.49	0.24	> 5000	0.6	< 0.5	319	203	3	6	4	28	3.44	7	28	30	< 0.5	< 2	1.75
1314007032	Slight	-12.6	8.59	19.6	0.609	32.14	0.41	123	0.5	< 0.5	265	253	5	8	< 2	37	1.79	4	29	32	< 0.5	< 2	1.23
1321071251	Slight	1.57	8.97	38.2	1.04	36.67	0.40	81	0.3	< 0.5	19	1440	< 1	4	25	56	0.86	53	28	20	< 0.5	< 2	1.84
1318089010	Slight	-15.7	8.67	50.5	0.762	66.23	0.92	82	4.3	0.6	191	1090	5	13	59	213	1.15	72	29	25	< 0.5	< 2	1.95
1321071014	Slight	42.5	9.72	42.7	273	< 0.31	0.15	< 5	< 0.2	< 0.5	8	298	< 1	2	< 2	54	0.88	< 2	33	49	< 0.5	< 2	1.54
1321071202	Slight	-25.5	8.65	38.3	0.600	63.82	0.58	214	0.7	0.5	17	828	< 1	5	46	153	1.52	32	28	21	< 0.5	< 2	1.63
1321072203	None	-11.0	8.73	4.47	0.289	15.47	0.20	126	6.0	1.3	21	186	< 1	9	65	355	1.44	77	30	20	< 0.5	< 2	0.43
1321071163	None	-45.5	8.74	21.9	0.324	67.40	0.53	127	0.8	< 0.5	16	508	< 1	6	54	127	1.28	42	28	22	< 0.5	< 2	1.07
1321071091	Slight	19.4	8.99	51.1	1.61	31.69	0.55	101	1.1	2.8	23	802	1	13	5	780	1.31	11	31	52	< 0.5	< 2	1.79
1321071226	Slight	3.68	8.86	30.2	1.14	26.50	0.37	225	0.8	< 0.5	21	657	< 1	7	45	152	1.79	60	29	27	< 0.5	< 2	1.49
1321072310	Slight	29.1	9.21	36.2	5.07	7.14	0.23	45	0.5	< 0.5	22	528	< 1	49	10	69	1.48	23	30	55	< 0.5	< 2	1.55
1321072277	None	-15.2	8.86	7.68	0.335	22.93	0.56	146	5.2	10.3	59	199	< 1	7	196	2800	0.73	34	28	27	< 0.5	< 2	0.38
1321071115	Slight	26.2	9.20	34.2	4.24	8.08	0.24	43	< 0.2	< 0.5	14	498	< 1	6	15	148	1.77	7	31	32	< 0.5	< 2	1.64
1318089052	Slight	0.489	8.70	59.4	1.01	58.95	0.57	85	1.3	< 0.5	39	1230	1	15	27	111	1.37	67	30	26	< 0.5	< 2	2.27
1318089205	Slight	2.56	8.75	63.7	1.04	61.17	0.60	58	0.9	0.6	30	992	< 1	18	27	216	1.52	36	35	31	< 0.5	< 2	2.64
1432023145	Slight	17.1	8.72	56.9	1.43	39.75	0.84	60	0.8	6.1	161	1330	< 1	128	< 2	868	4.46	13	25	28	< 0.5	< 2	1.68
1321071029	Slight	-3.28	9.05	27.8	0.894	31.05	0.37	100	0.3	< 0.5	29	797	< 1	13	33	188	1.92	26	30	30	< 0.5	< 2	1.71
1321071211	Slight	12.2	8.95	46.1	1.36	33.90	0.38	48	0.7	< 0.5	18	1260	< 1	7	54	137	1.31	49	27	32	< 0.5	< 2	1.72
1432023077	Slight	62.2	8.77	90.9	3.17	28.67	0.61	146	2.5	5.5	69	1320	< 1	56	< 2	1130	2.65	17	26	28	< 0.5	4	2.50
1318089020	Slight	-59.2	8.68	13.5	0.185	72.66	0.86	312	1.4	6.5	65	1180	< 1	19	65	1700	2.29	85	45	28	< 0.5	< 2	1.45
1314007085	Slight	-52.3	8.50	21.1	0.288	73.42	0.68	361	1.1	2.6	347	704	1	14	3	803	2.13	15	28	23	< 0.5	3	0.83
1314007001	None	-26.3	8.78	9.57	0.267	35.83	0.37	37	< 0.2	0.6	81	402	2	7	< 2	244	1.78	4	31	37	< 0.5	< 2	0.70
F011622								1070															
F011626								1100															
1321080115	Slight	19.6	9.45	29.4	3.01	9.78	0.32	34	< 0.2	1.8	38	476	< 1	7	3	562	1.11	14	31	51	< 0.5	< 2	1.21
GC22-5056-001	None	-22.6	8.68	14.9	0.398	37.53	0.39	135	< 0.2	< 0.5	58	382	< 1	13	3	56	2.18	11	29	34	< 0.5	< 2	0.91
GC22-5046-001	Slight	-41.3	8.60	14.6	0.262	55.96	0.56	84	< 0.2	< 0.5	126	362	< 1	8	2	59	2.06	12	30	34	< 0.5	< 2	1.10
GC22-5046-003	None	-54.3	8.38	12.2	0.184	66.48	0.51	127	0.5	< 0.5	287	392	1	8	3	73	1.98	12	29	21	< 0.5	3	1.13
1321079119	Slight	-16.9	8.91	36.5	0.683	53.41	0.58	93	0.5	< 0.5	29	702	< 1	35	11	160	2.29	7	37	34	< 0.5	< 2	2.03
GC22-5013-005	None	-33.7	8.36	10.6	0.240	44.31	0.35	663	0.3	< 0.5	167	251	1	6	< 2	28	2.85	10	24	33	< 0.5	3	1.59
1321080107	Slight	21.3	9.23	34.1	2.67	12.74	0.38	35	0.4	1.9	59	550	< 1	8	4	656	1.17	8	33	56	< 0.5	< 2	1.29
GC22-0316-009	Slight	-30.1	8.67	26.4	0.467	56.57	0.47	58	< 0.2	< 0.5	25	225	7	8	< 2	24	1.96	3	25	27	0.7	< 2	1.46
GC22-0312-005	Slight	-36.0	8.46	14.6	0.289	50.64	0.45	135	0.6	< 0.5	386	247	11	7	< 2	23	2.07	4	22	30	< 0.5	2	1.10

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1321074049	40	620	4.22	< 10	< 1	0.20	11	4.46	0.137	0.054	0.11	5	11	56	0.18	1	< 2	< 10	86	< 10	4	7	0.50
1432021090	32	32	8.53	< 10	1	0.08	< 10	1.64	0.032	0.064	5.57	3	6	24	0.03	4	< 2	< 10	62	< 10	7	5	0.89
1431012329	19	109	3.35	< 10	< 1	0.40	16	1.51	0.042	0.057	0.98	3	4	77	0.12	2	< 2	< 10	44	< 10	3	8	0.53
GC22-0299-001	7	15	2.55	< 10	< 1	0.14	10	0.89	0.249	0.034	1.44	< 2	1	132	0.02	< 1	< 2	< 10	15	< 10	2	12	0.18
GC22-0293-010	7	5	3.07	< 10	< 1	0.21	13	0.86	0.115	0.041	2.99	< 2	< 1	47	0.02	< 1	< 2	< 10	6	< 10	2	20	0.03
GC22-5014-007	7	7	2.79	< 10	< 1	0.21	13	1.10	0.157	0.038	2.44	< 2	< 1	77	0.02	< 1	< 2	< 10	7	< 10	2	17	0.15
GC22-0300-014	7	9	3.50	< 10	< 1	0.17	12	0.79	0.118	0.042	1.66	< 2	< 1	88	0.03	< 1	< 2	< 10	9	< 10	2	14	0.04
GC22-5018-024	5	6	3.64	< 10	< 1	0.19	10	0.71	0.080	0.033	1.76	< 2	< 1	63	0.02	3	< 2	< 10	7	< 10	2	13	0.08
1431012362	32	265	4.19	< 10	< 1	0.13	< 10	2.12	0.053	0.033	0.81	3	6	37	0.19	5	< 2	< 10	64	< 10	3	5	0.46
1321074125	28	279	2.75	< 10	< 1	0.14	< 10	2.00	0.204	0.035	0.23	2	10	82	0.13	3	< 2	< 10	68	< 10	3	6	0.44
GC22-5014-024	9	7	3.65	< 10	< 1	0.16	13	1.09	0.059	0.042	1.07	< 2	< 1	42	0.02	< 1	< 2	< 10	10	< 10	2	11	0.08
1321074114	41	718	3.21	< 10	< 1	0.18	< 10	3.40	0.140	0.040	0.20	5	7	54	0.09	3	< 2	< 10	60	< 10	2	4	0.23
GC22-5015-015	8	9	2.27	< 10	< 1	0.27	13	0.93	0.276	0.041	1.59	< 2	1	135	0.04	< 1	< 2	< 10	15	< 10	2	12	0.16
1321074162	35	68	7.09	< 10	< 1	0.36	< 10	1.21	0.099	0.069	2.30	3	7	133	0.25	< 1	< 2	< 10	140	< 10	7	5	0.67
GC22-5018-007	8	7	2.83	< 10	< 1	0.16	13	0.78	0.106	0.045	1.39	< 2	< 1	62	0.02	3	< 2	< 10	9	< 10	2	12	0.04
1431012442	21	155	4.42	< 10	< 1	0.07	17	2.11	0.040	0.060	1.34	< 2	7	66	0.01	< 1	< 2	< 10	73	< 10	4	6	0.97
GC22-0299-017	8	8	3.73	< 10	< 1	0.12	12	1.04	0.049	0.041	1.23	< 2	< 1	33	0.03	5	< 2	< 10	9	< 10	2	11	0.06
GC22-0298-016	8	9	3.06	< 10	< 1	0.15	12	0.84	0.215	0.039	2.17	2	< 1	90	< 0.01	< 1	< 2	< 10	8	< 10	2	13	0.10
F011391																							
F011388																							
1322049084	24	27	6.14	< 10	< 1	0.16	10	1.35	0.124	0.059	1.12	3	7	41	0.11	1	< 2	< 10	109	< 10	6	8	0.61
1433006010	15	53	2.90	10	< 1	0.29	16	1.68	0.159	0.055	0.23	< 2	4	147	0.08	4	< 2	< 10	47	< 10	3	1	0.48
1322048150	8	10	2.33	< 10	< 1	0.23	21	0.67	0.156	0.058	0.60	< 2	1	105	0.07	2	< 2	< 10	17	< 10	3	4	0.51
1433006020	18	19	3.36	< 10	< 1	0.17	21	1.51	0.220	0.070	0.58	< 2	4	199	0.20	5	< 2	< 10	65	< 10	5	4	0.20
1322048509	18	19	3.98	< 10	< 1	0.56	24	1.36	0.125	0.078	0.88	< 2	4	133	0.16	2	< 2	< 10	71	< 10	5	7	0.68
1432081116	39	357	5.24	< 10	< 1	0.09	< 10	2.76	0.045	0.026	1.30	4	7	40	0.17	4	< 2	< 10	84	< 10	3	3	1.12
1322048517	8	6	2.23	< 10	< 1	0.24	15	0.37	0.035	0.045	2.09	< 2	< 1	21	< 0.01	1	< 2	< 10	7	< 10	2	11	0.19
20220706005	21	52	3.91	< 10	< 1	0.10	< 10	1.59	0.446	0.021	0.19	< 2	6	59	0.18	< 1	< 2	< 10	110	< 10	3	3	0.08
1322048116	45	42	8.43	10	< 1	0.49	10	1.33	0.204	0.074	3.12	3	12	132	0.18	2	< 2	< 10	178	82	8	9	0.97
1318083023	10	7	2.67	< 10	< 1	0.28	19	1.24	0.020	0.052	2.50	2	1	17	< 0.01	< 1	< 2	< 10	11	< 10	2	6	0.84
1322049438	33	75	7.46	10	< 1	0.10	< 10	2.25	0.176	0.050	1.22	3	11	68	0.12	< 1	< 2	< 10	151	25	7	6	1.22
1322049001	10	20	2.28	< 10	< 1	0.24	13	0.91	0.189	0.045	0.66	< 2	2	126	0.06	< 1	< 2	< 10	22	< 10	3	6	0.38
1322049228	18	28	4.38	< 10	< 1	0.35	18	1.49	0.270	0.055	0.64	< 2	6	148	0.11	3	< 2	< 10	79	< 10	5	9	0.84
1314010073	7	6	2.52	< 10	< 1	0.18	36	1.02	0.057	0.059	0.94	< 2	< 1	77	< 0.01	< 1	< 2	< 10	9	< 10	3	4	0.45
1318083082	9	10	4.81	< 10	< 1	0.26	< 10	2.10	0.020	0.047	3.13	3	1	6	< 0.01	< 1	< 2	< 10	13	< 10	2	11	0.07
1322049035	9	8	2.34	< 10	< 1	0.12	13	0.96	0.123	0.041	0.58	< 2	1	52	0.01	< 1	< 2	< 10	14	< 10	2	10	0.62
1322049138	24	29	6.79	< 10	< 1	0.15	12	1.19	0.073	0.069	1.65	3	7	65	0.13	3	< 2	< 10	111	< 10	8	9	1.08
1322049034	22	20	6.37	< 10	< 1	0.11	11	1.73	0.095	0.053	1.83	3	6	58	0.08	2	< 2	< 10	83	< 10	5	9	1.53
1314010089	9	6	1.89	< 10	< 1	0.20	10	1.03	0.140	0.040	1.21	< 2	1	126	0.01	< 1	< 2	< 10	13	< 10	2	13	0.15
1433006038	11	12	2.77	< 10	< 1	0.31	13	0.91	0.127	0.044	1.01	2	2	88	0.05	3	< 2	< 10	25	< 10	3	8	0.72
1322049135	17	34	3.77	< 10	< 1	0.12	12	1.05	0.048	0.052	0.79	< 2	3	77	0.04	1	< 2	< 10	44	< 10	4	9	0.99
1322048147	10	13	2.63	< 10	< 1	0.15	21	1.00	0.151	0.069	0.43	< 2	2	104	0.03	< 1	< 2	< 10	27	< 10	3	4	0.56
1322048034	20	32	4.93	< 10	< 1	0.53	< 10	1.20	0.135	0.054	0.70	2	7	98	0.15	< 1	< 2	< 10	98	< 10	5	10	0.81
F011410																							
F011390																							
GC22-0301-001	9	8	2.36	< 10	< 1	0.15	13	0.94	0.177	0.043	2.00	< 2	< 1	164	< 0.01	< 1	< 2	< 10	8	< 10	2	9	0.14
1321074085	8	14	2.04	< 10	< 1	0.16	14	0.58	0.052	0.042	0.17	< 2	2	31	0.07	< 1	< 2	< 10	20	< 10	2	9	0.35
GC22-5017-014	7	8	2.62	< 10	< 1	0.17	12	1.10	0.267	0.048	1.46	< 2	1	152	< 0.01	2	< 2	< 10	11	< 10	2	8	0.31
1431012418	37	345	4.09	< 10	< 1	0.05	< 10	2.32	0.044	0.021	0.49	3	6	42	0.22	< 1	< 2	< 10	67	< 10	3	3	0.54
1321074175	26	203	1.75	< 10	< 1	0.07	< 10	1.35	0.104	0.027	0.17	< 2	8	64	0.11	< 1	< 2	< 10	43	< 10	3	5	0.64
GC22-0301-011	7	7	3.66	< 10	< 1	0.17	14	1.19	0.097	0.037	2.29	< 2	< 1	46	0.01	< 1	< 2	< 10	8	< 10	2	16	0.08

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-5011-001	8	6	3.33	< 10	< 1	0.17	14	1.21	0.104	0.038	2.00	< 2	< 1	45	0.01	2	< 2	< 10	8	< 10	2	16	0.10
GC22-5021-001	8	5	4.39	< 10	< 1	0.15	13	0.99	0.050	0.042	3.60	2	< 1	32	< 0.01	< 1	< 2	< 10	7	< 10	2	19	0.09
GC22-5019-001	8	7	3.80	< 10	< 1	0.17	13	1.33	0.086	0.038	2.43	< 2	< 1	36	< 0.01	< 1	< 2	< 10	8	< 10	2	15	0.02
GC22-5021-018	7	12	2.56	< 10	< 1	0.14	< 10	0.83	0.203	0.034	1.85	2	1	86	< 0.01	3	< 2	< 10	11	< 10	2	15	0.15
1431012322	43	420	6.00	< 10	< 1	0.13	< 10	3.99	0.024	0.028	0.90	6	11	54	0.19	< 1	< 2	< 10	106	< 10	4	4	1.13
1321074084	9	15	2.05	< 10	< 1	0.20	13	0.59	0.048	0.042	0.47	< 2	2	30	0.07	< 1	< 2	< 10	19	< 10	2	9	0.55
GC22-0471-015	7	7	3.70	< 10	< 1	0.10	12	0.90	0.037	0.039	0.79	3	1	38	0.02	1	< 2	< 10	12	< 10	2	11	0.05
1321075123	16	39	5.15	< 10	< 1	0.40	11	1.15	0.150	0.052	0.87	2	5	66	0.16	< 1	< 2	< 10	77	< 10	5	10	0.45
1431012566	24	92	4.63	< 10	< 1	0.12	27	1.87	0.041	0.085	1.77	2	6	67	0.13	< 1	< 2	< 10	82	< 10	5	7	0.35
GC22-5011-036	27	144	4.96	10	< 1	1.12	62	3.06	0.042	0.214	0.15	< 2	15	168	0.22	3	< 2	< 10	111	< 10	8	4	1.13
GC22-0470-009	7	14	2.28	< 10	< 1	0.12	10	0.88	0.237	0.036	1.41	2	1	102	< 0.01	< 1	< 2	< 10	12	< 10	2	13	0.11
1431012570	29	225	4.52	< 10	< 1	0.10	< 10	2.17	0.040	0.041	0.67	2	6	53	0.16	< 1	< 2	< 10	75	< 10	3	5	0.28
GC22-5011-018	7	7	3.74	< 10	< 1	0.21	13	0.81	0.048	0.042	3.05	2	< 1	22	0.04	1	< 2	< 10	9	< 10	2	17	0.04
1321075151	22	41	6.14	< 10	< 1	0.51	< 10	1.14	0.169	0.064	0.99	3	8	100	0.20	2	< 2	< 10	119	< 10	7	9	0.76
F011400																							
F011389																							
1321074074	35	583	3.27	< 10	< 1	0.08	< 10	3.38	0.144	0.045	0.08	3	7	56	0.14	1	< 2	< 10	67	< 10	3	4	0.41
GC22-5003-001	9	10	2.70	< 10	< 1	0.16	13	0.80	0.207	0.042	2.35	< 2	< 1	95	0.02	1	< 2	< 10	11	< 10	2	15	0.15
GC22-5002-001	6	9	1.82	< 10	< 1	0.27	13	0.75	0.194	0.040	1.29	< 2	1	120	0.02	2	< 2	< 10	11	< 10	2	11	0.09
1321071101	24	29	5.28	< 10	< 1	0.55	22	1.64	0.121	0.090	0.78	3	8	91	0.17	< 1	< 2	< 10	113	< 10	7	11	0.83
GC22-5003-018	5	6	2.74	< 10	< 1	0.11	10	0.89	0.204	0.039	1.28	< 2	< 1	93	< 0.01	< 1	< 2	< 10	9	< 10	2	9	0.14
1321071110	11	12	3.21	< 10	< 1	0.27	20	0.75	0.049	0.063	1.39	< 2	2	41	0.07	3	< 2	< 10	25	< 10	3	8	0.70
GC22-5002-018	7	12	2.92	< 10	< 1	0.08	< 10	0.81	0.121	0.035	0.47	< 2	1	79	0.04	< 1	< 2	< 10	12	< 10	2	9	0.02
1321074003	10	21	2.37	< 10	1	0.30	17	0.98	0.182	0.060	0.60	3	2	103	0.08	< 1	< 2	< 10	24	< 10	3	15	0.28
GC22-5001-001	7	9	2.11	< 10	< 1	0.30	13	1.02	0.286	0.038	1.11	2	1	141	0.02	4	< 2	< 10	12	< 10	2	7	0.35
1321074061	33	57	6.66	10	< 1	0.19	< 10	1.51	0.214	0.086	0.76	3	13	126	0.23	4	< 2	< 10	142	< 10	11	8	0.55
1321074001	14	34	2.71	< 10	< 1	0.36	24	1.35	0.109	0.082	0.98	< 2	2	94	0.10	2	< 2	< 10	27	< 10	4	7	0.36
GC22-5007-018	5	4	3.84	< 10	< 1	0.14	< 10	0.77	0.044	0.034	1.41	< 2	< 1	41	0.03	1	< 2	< 10	8	< 10	2	13	0.07
GC22-5007-001	9	12	3.41	< 10	< 1	0.19	14	0.89	0.118	0.045	1.64	< 2	< 1	55	< 0.01	< 1	< 2	< 10	10	< 10	2	13	0.08
GC22-5006-001	8	12	2.19	< 10	< 1	0.33	14	0.92	0.237	0.045	0.99	< 2	2	125	0.02	< 1	< 2	< 10	15	< 10	2	6	0.34
1432021054	17	20	3.70	< 10	< 1	0.08	21	1.19	0.051	0.076	1.55	< 2	3	33	< 0.01	4	< 2	< 10	17	< 10	4	6	0.33
1321074132	26	50	5.31	< 10	< 1	0.45	< 10	1.32	0.136	0.069	1.31	< 2	7	76	0.25	1	< 2	< 10	114	< 10	8	7	0.53
GC22-5010-009FD	7	8	3.27	< 10	< 1	0.16	< 10	0.72	0.097	0.036	1.32	2	1	72	0.04	2	< 2	< 10	10	< 10	2	11	0.07
GC22-5001-018	19	25	4.04	< 10	< 1	0.92	73	1.80	0.055	0.208	0.27	< 2	6	255	0.12	3	< 2	< 10	66	< 10	8	3	0.86
GC22-5009-001	8	5	2.59	< 10	< 1	0.15	14	1.00	0.133	0.039	2.39	< 2	< 1	59	< 0.01	2	< 2	< 10	6	< 10	2	15	0.09
GC22-5009-018	5	4	2.71	< 10	< 1	0.14	< 10	0.84	0.198	0.034	0.62	< 2	< 1	105	0.02	2	< 2	< 10	8	< 10	2	7	0.04
GC22-5008-009FD	8	10	3.12	< 10	< 1	0.18	14	1.20	0.134	0.042	1.46	< 2	1	41	< 0.01	< 1	< 2	< 10	12	< 10	2	12	0.20
F011409																							
F011669																							
1322048114	6	7	2.04	< 10	< 1	0.15	18	0.50	0.055	0.049	0.10	< 2	1	44	0.02	3	< 2	< 10	13	< 10	2	6	0.59
1432021002	15	32	3.22	< 10	< 1	0.12	< 10	0.98	0.050	0.043	1.40	2	3	34	0.06	3	< 2	< 10	32	< 10	3	7	0.75
20220707F1	10	15	2.36	< 10	< 1	0.15	13	0.86	0.113	0.042	0.50	< 2	1	72	0.02	2	< 2	< 10	16	< 10	3	7	0.47
1322051109	11	10	2.91	< 10	< 1	0.13	13	0.83	0.043	0.046	1.04	< 2	1	30	0.01	< 1	< 2	< 10	16	< 10	3	9	0.62
1322050418	9	8	2.31	< 10	< 1	0.20	14	0.84	0.091	0.038	0.48	< 2	1	50	0.03	< 1	< 2	< 10	15	< 10	3	8	0.55
1322050090	7	11	2.18	< 10	< 1	0.20	12	0.71	0.037	0.041	0.31	< 2	1	25	0.06	2	< 2	< 10	18	< 10	3	8	0.44
1322051020	6	9	1.97	< 10	< 1	0.17	11	0.68	0.047	0.038	0.21	< 2	1	25	0.04	< 1	< 2	< 10	16	< 10	2	8	0.37
1322051078	10	9	2.63	< 10	< 1	0.16	16	0.90	0.057	0.054	0.27	< 2	2	61	0.01	< 1	< 2	< 10	22	< 10	3	5	1.06
1322050428	8	9	2.05	< 10	< 1	0.15	13	0.90	0.125	0.039	0.24	< 2	1	68	< 0.01	< 1	< 2	< 10	13	< 10	2	5	0.58
1322048068	32	41	8.34	10	< 1	0.35	< 10	1.34	0.158	0.067	1.54	3	10	53	0.22	< 1	< 2	< 10	179	< 10	8	6	0.62
1322051064	6	13	2.19	< 10	< 1	0.23	13	0.71	0.050	0.040	0.15	< 2	2	26	0.07	< 1	< 2	< 10	21	< 10	2	8	0.49

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1322048076	22	25	4.91	< 10	< 1	0.37	21	1.10	0.114	0.079	1.81	3	5	80	0.19	4	< 2	< 10	83	< 10	5	16	0.47
1322051095	7	11	2.16	< 10	< 1	0.15	12	0.61	0.052	0.040	0.25	< 2	1	26	0.02	2	< 2	< 10	14	< 10	2	6	0.57
1322051107	10	12	2.52	< 10	< 1	0.13	13	0.83	0.046	0.051	0.35	< 2	2	50	0.02	< 1	< 2	< 10	20	< 10	3	5	0.92
1322048049	30	55	6.98	10	1	0.43	< 10	1.43	0.149	0.076	1.47	3	10	89	0.24	< 1	< 2	< 10	155	< 10	9	6	0.68
F011634																							
F011624																							
GC22-5023-024	6	11	1.60	< 10	< 1	0.14	< 10	0.75	0.367	0.038	0.56	< 2	< 1	309	< 0.01	3	< 2	< 10	11	< 10	2	7	0.09
1314007032	6	10	2.30	< 10	< 1	0.07	11	0.75	0.174	0.033	1.23	< 2	1	190	< 0.01	< 1	< 2	< 10	11	< 10	2	11	0.29
1321071251	9	3	1.84	< 10	< 1	0.19	< 10	0.81	0.015	0.038	1.30	2	< 1	28	< 0.01	3	< 2	< 10	4	< 10	2	5	0.86
1318089010	10	6	2.61	< 10	< 1	0.28	15	0.68	0.034	0.048	2.59	3	< 1	23	< 0.01	3	< 2	< 10	7	< 10	2	9	0.82
1321071014	5	6	1.87	< 10	< 1	0.16	17	0.42	0.052	0.048	0.05	< 2	< 1	29	0.03	2	< 2	< 10	13	< 10	2	5	0.48
1321071202	6	5	2.60	< 10	< 1	0.21	14	1.00	0.045	0.038	2.30	2	< 1	31	< 0.01	< 1	< 2	< 10	7	< 10	2	8	0.52
1321072203	8	11	1.25	< 10	< 1	0.09	< 10	0.32	0.038	0.036	0.59	< 2	1	29	< 0.01	2	< 2	< 10	9	< 10	< 1	4	0.09
1321071163	7	3	2.41	< 10	< 1	0.17	15	0.66	0.080	0.040	2.33	2	< 1	28	< 0.01	< 1	< 2	< 10	5	< 10	2	17	0.25
1321071091	10	13	2.77	< 10	< 1	0.34	19	0.74	0.061	0.058	1.21	< 2	2	41	0.09	3	< 2	< 10	22	< 10	3	11	0.59
1321071226	7	7	1.96	< 10	< 1	0.20	14	0.89	0.105	0.039	1.26	4	< 1	64	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.38
1321072310	13	161	1.75	< 10	< 1	0.17	16	1.08	0.029	0.071	0.32	< 2	3	45	0.02	< 1	< 2	< 10	24	< 10	2	3	0.49
1321072277	6	14	1.13	< 10	< 1	0.17	15	0.16	0.020	0.041	0.97	< 2	< 1	18	< 0.01	3	< 2	< 10	4	< 10	< 1	5	0.13
1321071115	6	8	2.05	< 10	< 1	0.15	18	0.68	0.140	0.049	0.34	< 2	1	98	0.03	1	< 2	< 10	14	< 10	2	5	0.45
1318089052	10	8	2.45	< 10	< 1	0.20	13	0.96	0.051	0.043	2.13	2	< 1	32	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.80
1318089205	11	10	2.61	< 10	< 1	0.22	18	1.02	0.061	0.052	2.21	< 2	1	34	0.03	2	< 2	< 10	17	< 10	3	7	0.81
1432023145	48	202	8.71	10	< 1	0.07	< 10	3.33	0.042	0.045	1.44	6	12	35	0.01	4	< 2	< 10	142	< 10	5	4	0.74
1321071029	10	11	2.49	< 10	< 1	0.17	19	0.98	0.114	0.058	1.16	2	1	61	0.03	< 1	< 2	< 10	16	< 10	3	6	0.48
1321071211	7	5	1.94	< 10	< 1	0.22	14	0.79	0.028	0.039	1.27	< 2	< 1	26	< 0.01	4	< 2	< 10	6	< 10	2	9	0.59
1432023077	25	60	5.52	< 10	< 1	0.10	< 10	1.98	0.057	0.042	1.09	3	5	34	< 0.01	4	< 2	< 10	55	< 10	5	7	1.38
1318089020	10	15	3.29	< 10	< 1	0.35	18	1.65	0.112	0.055	2.63	< 2	1	26	0.05	< 1	< 2	< 10	18	< 10	2	14	0.38
1314007085	12	12	4.02	< 10	< 1	0.17	13	1.68	0.065	0.043	2.55	2	1	43	0.02	2	< 2	< 10	19	< 10	4	15	0.24
1314007001	8	8	2.37	< 10	< 1	0.12	17	1.14	0.108	0.051	1.24	< 2	1	61	0.02	3	< 2	< 10	16	< 10	2	11	0.17
F011622																							
F011626																							
1321080115	7	8	2.18	< 10	< 1	0.21	12	0.70	0.039	0.040	0.47	< 2	1	24	0.05	3	< 2	< 10	17	< 10	3	9	0.46
GC22-5056-001	8	19	3.10	< 10	< 1	0.26	16	1.21	0.081	0.049	1.36	< 2	2	91	0.03	< 1	< 2	< 10	15	< 10	3	12	0.14
GC22-5046-001	22	9	2.55	< 10	< 1	0.26	13	0.91	0.159	0.040	1.99	< 2	1	94	0.02	< 1	< 2	< 10	12	< 10	2	15	0.16
GC22-5046-003	9	8	2.64	< 10	< 1	0.18	15	0.86	0.197	0.044	2.45	< 2	1	118	0.03	< 1	< 2	< 10	10	< 10	2	15	0.12
1321079119	19	50	3.96	< 10	< 1	0.40	32	1.13	0.148	0.094	2.06	< 2	3	147	0.17	< 1	< 2	< 10	48	< 10	5	11	0.33
GC22-5013-005	6	7	2.63	< 10	< 1	0.13	11	0.95	0.114	0.037	1.60	< 2	1	88	< 0.01	< 1	< 2	< 10	12	< 10	3	13	0.11
1321080107	8	8	2.30	< 10	< 1	0.28	12	0.74	0.044	0.041	0.55	< 2	2	25	0.07	1	< 2	< 10	20	< 10	3	11	0.45
GC22-0316-009	8	7	2.96	< 10	< 1	0.13	14	0.75	0.106	0.049	2.00	< 2	< 1	96	< 0.01	< 1	< 2	< 10	8	< 10	3	10	0.36
GC22-0312-005	5	9	2.92	< 10	< 1	0.12	11	0.77	0.166	0.034	1.86	< 2	< 1	116	< 0.01	2	< 2	< 10	9	< 10	2	9	0.14

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1321074049	0.12	
1432021090	5.77	
1431012329	1.00	
GC22-0299-001	1.40	
GC22-0293-010	2.85	
GC22-5014-007	2.31	
GC22-0300-014	1.63	
GC22-5018-024	1.70	
1431012362	0.82	
1321074125	0.23	
GC22-5014-024	1.04	
1321074114	0.20	
GC22-5015-015	1.59	
1321074162	2.33	
GC22-5018-007	1.37	
1431012442	1.31	
GC22-0299-017	1.22	
GC22-0298-016	2.10	
F011391		
F011388		
1322049084	1.13	
1433006010	0.23	
1322048150	0.57	
1433006020	0.60	
1322048509	0.93	
1432081116	1.31	
1322048517	1.94	
20220706005	0.20	
1322048116	3.28	
1318083023	2.42	
1322049438	1.32	
1322049001	0.64	
1322049228	0.65	
1314010073	0.96	
1318083082	3.25	
1322049035	0.58	
1322049138	1.69	
1322049034	1.92	
1314010089	1.19	
1433006038	1.01	
1322049135	0.76	
1322048147	0.42	
1322048034	0.72	
F011410		
F011390		
GC22-0301-001	1.87	
1321074085	0.16	
GC22-5017-014	1.44	
1431012418	0.52	
1321074175	0.16	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0301-011	2.23	
GC22-5011-001	1.93	
GC22-5021-001	3.39	
GC22-5019-001	2.39	
GC22-5021-018	1.69	
1431012322	0.94	
1321074084	0.45	
GC22-0471-015	0.85	
1321075123	0.90	
1431012566	1.81	
GC22-5011-036	0.15	
GC22-0470-009	1.36	
1431012570	0.67	
GC22-5011-018	3.01	
1321075151	0.97	
F011400		5.70
F011389		5.53
1321074074	0.07	
GC22-5003-001	2.16	
GC22-5002-001	1.17	
1321071101	0.77	
GC22-5003-018	1.26	
1321071110	1.37	
GC22-5002-018	0.49	
1321074003	0.59	
GC22-5001-001	1.04	
1321074061	0.77	
1321074001	0.93	
GC22-5007-018	1.40	
GC22-5007-001	1.51	
GC22-5006-001	0.86	
1432021054	1.52	
1321074132	1.29	
GC22-5010-009FD	1.26	
GC22-5001-018	0.30	
GC22-5009-001	2.29	
GC22-5009-018	0.58	
GC22-5008-009FD	1.46	
F011409		5.62
F011669		5.78
1322048114	0.10	
1432021002	1.33	
20220707F1	0.48	
1322051109	0.99	
1322050418	0.47	
1322050090	0.29	
1322051020	0.19	
1322051078	0.27	
1322050428	0.22	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1322048068	1.61	
1322051064	0.15	
1322048076	1.82	
1322051095	0.24	
1322051107	0.36	
1322048049	1.49	
F011634		
F011624		
GC22-5023-024	0.51	14.9
1314007032	1.17	
1321071251	1.31	
1318089010	2.43	
1321071014	0.04	
1321071202	2.23	
1321072203	0.56	
1321071163	2.33	
1321071091	1.20	
1321071226	1.21	
1321072310	0.31	
1321072277	0.92	
1321071115	0.34	
1318089052	2.08	
1318089205	2.16	
1432023145	1.55	
1321071029	1.12	
1321071211	1.26	
1432023077	1.12	
1318089020	2.61	
1314007085	2.58	
1314007001	1.27	
F011622		
F011626		
1321080115	0.42	
GC22-5056-001	1.33	
GC22-5046-001	1.98	
GC22-5046-003	2.30	
1321079119	1.90	
GC22-5013-005	1.53	
1321080107	0.52	
GC22-0316-009	1.98	
GC22-0312-005	1.77	

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Meas							42.3																
BaSO4 Cert							41.94																
BaSO4 Meas							41.9																
BaSO4 Cert							41.94																
BaSO4 Meas							41.1																
BaSO4 Cert							41.94																
BaSO4 Meas							41.6																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							42.1																
BaSO4 Cert							41.94																
BaSO4 Meas							42.3																
BaSO4 Cert							41.94																
BaSO4 Meas							41.9																
BaSO4 Cert							41.94																
BaSO4 Meas							41.9																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
OREAS 98 (Aqua Regia) Meas								40.3		> 10000				305	1220						< 2		104
OREAS 98 (Aqua Regia) Cert								42.8		147000				343	1300						90		111
OREAS 98 (Aqua Regia) Meas								39.4		> 10000				296	1190						< 2		103
OREAS 98 (Aqua Regia) Cert								42.8		147000				343	1300						90		111
OREAS 98 (Aqua Regia) Meas								39.4		> 10000				306	1230						< 2		104
OREAS 98 (Aqua Regia) Cert								42.8		147000				343	1300						90		111
OREAS 98 (Aqua Regia) Meas								38.6		> 10000				277	1130						< 2		110
OREAS 98 (Aqua Regia) Cert								42.8		147000				343	1300						90		111
RTS-3a Meas							29.8																
RTS-3a Cert							29.90																
RTS-3a Meas							29.4																
RTS-3a Cert							29.90																
RTS-3a Meas							29.4																
RTS-3a Cert							29.90																
RTS-3a Meas							29.9																
RTS-3a Cert							29.90																
RTS-3a Meas							29.4																
RTS-3a Cert							29.90																
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
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SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas			8.12																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.69																				
NBM-1 (slight fzz) Cert			8.53																				
OREAS 922 (AQUA REGIA) Meas								0.8	< 0.5	2220	771	< 1	34	64	265	2.80	5		86	0.9	15	0.38	20
OREAS 922 (AQUA REGIA) Cert								0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4
OREAS 922 (AQUA REGIA) Meas								0.7	< 0.5	2310	787	< 1	35	64	261	2.82	5		86	0.9	9	0.38	20
OREAS 922 (AQUA REGIA) Cert								0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4
OREAS 922								0.9	< 0.5	2330	790	< 1	35	63	268	2.83	6		86	0.9	9	0.38	20

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert								0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4
OREAS 922 (AQUA REGIA) Meas								0.7	< 0.5	2230	773	< 1	34	62	267	2.77	7		73	0.9	7	0.36	20
OREAS 922 (AQUA REGIA) Cert								0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4
OREAS 922 (AQUA REGIA) Meas								0.7	< 0.5	2230	775	< 1	35	63	260	2.77	6		74	0.9	10	0.37	20
OREAS 922 (AQUA REGIA) Cert								0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4
OREAS 923 (AQUA REGIA) Meas								1.6	< 0.5	4460	878	< 1	32	92	339	2.79	6		69	0.8	13	0.37	22
OREAS 923 (AQUA REGIA) Cert								1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2
OREAS 923 (AQUA REGIA) Meas								1.5	< 0.5	4390	883	< 1	32	89	342	2.80	5		69	0.8	15	0.37	22
OREAS 923 (AQUA REGIA) Cert								1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2
OREAS 923 (AQUA REGIA) Meas								1.4	< 0.5	4440	887	< 1	35	96	345	2.82	6		70	0.8	17	0.38	23
OREAS 923 (AQUA REGIA) Cert								1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2
OREAS 923 (AQUA REGIA) Meas								1.6	< 0.5	4700	924	< 1	35	93	363	2.94	7		61	0.8	21	0.38	25
OREAS 923 (AQUA REGIA) Cert								1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2
OREAS 923 (AQUA REGIA) Meas								1.2	< 0.5	4270	861	< 1	31	80	331	2.76	7		58	0.8	13	0.36	22
OREAS 923 (AQUA REGIA) Cert								1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2
Oreas 96 (Aqua Regia) Meas								11.1		> 10000				96	425						< 2		47
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.1		> 10000				97	427						< 2		46
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.3		> 10000				96	428						< 2		47
Oreas 96 (Aqua								11.50		39100.				100	448						27.9		49.2

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert										00													
Oreas 96 (Aqua Regia) Meas								10.2		> 10000				88	401						8		47
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								10.4		> 10000				91	409						20		48
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas										337	166	< 1	230	8	25	6.68			134	1.2	< 2	0.06	40
OREAS 45f (Aqua Regia) Cert										336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2
OREAS 45f (Aqua Regia) Meas										346	172	< 1	231	8	25	6.89			137	1.2	< 2	0.06	41
OREAS 45f (Aqua Regia) Cert										336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
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GS316-3 Meas																							
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GS316-3 Meas																							

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
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Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							
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GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas								42.2	166	1790	450	8	14	> 5000	> 10000	1.21	50		< 10	0.8	< 2	1.26	14
Oreas 620 (Aqua Regia) Cert								38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12
Oreas 620 (Aqua Regia) Meas								42.1	157	1850	440	8	13	> 5000	> 10000	1.20	50		< 10	0.8	< 2	1.27	14
Oreas 620 (Aqua Regia) Cert								38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12
Oreas 620 (Aqua Regia) Meas								41.6	168	1960	441	8	15	> 5000	> 10000	1.21	50		14	0.8	< 2	1.26	14

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 620 (Aqua Regia) Cert								38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12
Oreas 620 (Aqua Regia) Meas								42.6	176	1940	467	8	14	> 5000	> 10000	1.32	54		< 10	0.8	< 2	1.32	15
Oreas 620 (Aqua Regia) Cert								38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12
Oreas 620 (Aqua Regia) Meas								38.9	161	1800	436	8	15	> 5000	> 10000	1.23	50		13	0.8	2	1.23	14
Oreas 620 (Aqua Regia) Cert								38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29	12
1432021090 Orig		-103		62.5	0.378	165.12																	
1432021090 Dup		-103		61.7	0.374	165.12																	
1431012329 Orig								0.2	< 0.5	325	440	3	55	< 2	85	1.73	6	32	42	< 0.5	< 2	1.58	19
1431012329 Dup								0.3	< 0.5	318	442	3	57	< 2	81	1.73	5	27	38	< 0.5	< 2	1.59	19
GC22-0293-010 Orig																							
GC22-0293-010 Dup																							
1431012362 Orig																							
1431012362 Dup																							
1321074125 Orig							0.32																
1321074125 Dup							0.31																
1431012442 Orig								0.2	< 0.5	228	537	1	69	3	72	2.15	3	26	23	< 0.5	< 2	2.67	21
1431012442 Dup								< 0.2	< 0.5	226	526	2	66	3	70	2.11	5	25	23	< 0.5	< 2	2.70	20
1322049084 Orig							0.98																
1322049084 Dup							0.99																
1322048150 Orig																							
1322048150 Dup																							
1322048509 Orig																							
1322048509 Dup																							
1322049001 Orig								< 0.2	< 0.5	25	535	2	19	5	105	2.11	11	28	62	< 0.5	< 2	1.61	10
1322049001 Dup								< 0.2	< 0.5	25	525	1	19	5	103	2.12	11	27	74	< 0.5	< 2	1.58	10
1322049228 Orig																							
1322049228 Dup																							
1314010073 Orig							0.38																
1314010073 Dup							0.37																
1433006038 Orig																							
1433006038 Dup																							
1322048034 Orig							0.89																
1322048034 Dup							0.90																
GC22-0301-001 Orig																							
GC22-0301-001 Dup																							
1431012418 Orig																							
1431012418 Dup																							
1321074175 Orig	Slight	47.5	9.36	49.6	23.7	2.09		< 0.2	< 0.5	97	377	< 1	115	< 2	32	1.12	5	26	23	< 0.5	< 2	2.52	26
1321074175 Dup	Slight	47.7	9.37	49.8	23.8	2.09		< 0.2	< 0.5	98	377	< 1	115	< 2	33	1.13	7	28	23	< 0.5	< 2	2.59	26
GC22-5011-001 Orig																							
GC22-5011-001 Dup																							

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1431012322 Orig																							
1431012322 Dup																							
GC22-0471-015 Orig							0.23																
GC22-0471-015 Dup							0.23																
GC22-5011-018 Orig								< 0.2	< 0.5	10	373	< 1	9	3	93	1.63	21	29	16	< 0.5	< 2	0.76	7
GC22-5011-018 Dup								0.2	< 0.5	11	372	< 1	7	4	89	1.65	24	26	19	< 0.5	< 2	0.76	7
GC22-5003-001 Orig							0.50																
GC22-5003-001 Dup							0.51																
1321074003 Orig																							
1321074003 Dup																							
GC22-5001-001 Orig								< 0.2	< 0.5	19	827	< 1	8	4	75	2.77	26	25	49	< 0.5	< 2	1.94	7
GC22-5001-001 Dup								< 0.2	< 0.5	19	828	< 1	9	4	75	2.79	21	25	50	< 0.5	< 2	1.95	8
1321074001 Orig								< 0.2	< 0.5	27	786	< 1	31	22	122	2.27	4	29	55	< 0.5	< 2	1.78	14
1321074001 Dup								< 0.2	< 0.5	28	797	< 1	34	24	120	2.31	3	33	55	< 0.5	< 2	1.79	14
GC22-5007-018 Orig								0.7	< 0.5	75	404	< 1	3	< 2	31	2.00	4	24	40	< 0.5	3	0.62	5
GC22-5007-018 Dup								0.4	< 0.5	75	400	< 1	1	2	32	1.97	4	21	40	< 0.5	4	0.61	5
1432021054 Orig							0.54																
1432021054 Dup							0.52																
1432021002 Orig																							
1432021002 Dup																							
20220707F1 Orig							0.26																
20220707F1 Dup							0.26																
1322050418 Orig								< 0.2	< 0.5	27	483	< 1	8	3	100	1.60	9	28	40	< 0.5	< 2	1.49	9
1322050418 Dup								< 0.2	< 0.5	27	491	< 1	8	3	101	1.62	9	25	41	< 0.5	< 2	1.50	9
1322048068 Orig	Slight	14.5	8.61	47.1	1.45	32.61																	
1322048068 Dup	Slight	13.9	8.61	46.5	1.43	32.61																	
1322048076 Orig																							
1322048076 Dup																							
1322051107 Orig																							
1322051107 Dup																							
GC22-5023-024 Orig							0.24																
GC22-5023-024 Dup							0.24																
1321072203 Orig																							
1321072203 Dup																							
1321071163 Orig																							
1321071163 Dup																							
1321071226 Orig							0.37																
1321071226 Dup							0.38																
1321071115 Orig								< 0.2	< 0.5	14	498	< 1	6	15	148	1.77	7	31	32	< 0.5	< 2	1.64	6
1321071115 Dup								< 0.2	< 0.5	14	507	< 1	9	15	148	1.80	8	34	32	< 0.5	< 2	1.65	6

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1318089052 Orig																							
1318089052 Dup																							
1321071211 Orig																							
1321071211 Dup																							
1314007001 Orig																							
1314007001 Dup																							
1321080115 Orig							0.32																
1321080115 Dup							0.33																
1321079119 Orig								0.5	< 0.5	29	702	< 1	35	11	160	2.29	7	37	34	< 0.5	< 2	2.03	19
1321079119 Dup								0.6	< 0.5	31	700	< 1	33	10	158	2.27	6	26	24	< 0.5	< 2	2.03	19
1321080107 Orig																							
1321080107 Dup																							
GC22-0316-009 Orig																							
GC22-0316-009 Dup																							
GC22-0312-005 Orig	Slight	-36.0	8.46	14.6	0.289	50.64																	
GC22-0312-005 Dup	Slight	-36.2	8.46	14.4	0.285	50.64																	
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	2	< 2	< 2	< 0.01	< 2	34	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	33	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	30	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	34	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	23	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	22	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	21	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	22	< 10	< 0.5	< 2	< 0.01	< 1

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
BaSO4 Meas																							13.9
BaSO4 Cert																							14.0
BaSO4 Meas																							13.8
BaSO4 Cert																							14.0
BaSO4 Meas																							13.7
BaSO4 Cert																							14.0
BaSO4 Meas																							13.8
BaSO4 Cert																							14.0
BaSO4 Meas																							14.2
BaSO4 Cert																							14.0
BaSO4 Meas																							14.2
BaSO4 Cert																							14.0
BaSO4 Meas																							14.2
BaSO4 Cert																							14.0
BaSO4 Meas																							14.3
BaSO4 Cert																							14.0
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas											19												
OREAS 98 (Aqua Regia) Cert											15												
OREAS 98 (Aqua Regia) Meas											22												
OREAS 98 (Aqua Regia) Cert											15												
OREAS 98 (Aqua Regia) Meas											20												
OREAS 98 (Aqua Regia) Cert											15												
OREAS 98 (Aqua Regia) Meas											17												
OREAS 98 (Aqua Regia) Cert											15												
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																						1.12	0.56
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.55
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.56
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.56

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.55
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.08	0.55
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.08	0.55
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.55
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.09	0.56
GS311-4 Cert																						1.11	0.54
SiO2 Meas																						< 0.01	0.03
SiO2 Cert																							
SiO2 Meas																						< 0.01	< 0.01
SiO2 Cert																							
SiO2 Meas																						< 0.01	< 0.01
SiO2 Cert																							
SiO2 Meas																						< 0.01	< 0.01
SiO2 Cert																							
SiO2 Meas																						< 0.01	< 0.01
SiO2 Cert																							
SiO2 Meas																						< 0.01	< 0.01
SiO2 Cert																							
SiO2 Meas																						< 0.01	0.01
SiO2 Cert																							
SiO2 Meas																						< 0.01	< 0.01
SiO2 Cert																							
SiO2 Meas																						< 0.01	< 0.01
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	45	5.33	< 10		0.41	35	1.34	0.020	0.065	0.37	< 2	4	15			< 2	< 10	33	< 10	16	21		
OREAS 922 (AQUA REGIA) Cert	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 922 (AQUA REGIA) Meas	45	5.35	< 10		0.40	36	1.34	0.020	0.065	0.39	4	4	16			< 2	< 10	33	< 10	17	23		
OREAS 922 (AQUA REGIA) Cert	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 922 (AQUA REGIA) Meas	46	5.37	< 10		0.40	36	1.34	0.020	0.064	0.37	3	4	16			< 2	< 10	33	< 10	17	8		
OREAS 922 (AQUA REGIA) Cert	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3		

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
OREAS 922 (AQUA REGIA) Meas	46	5.36	< 10		0.41	34	1.32	0.020	0.065	0.39	2	4	17			< 2	< 10	33	< 10	16	4		
OREAS 922 (AQUA REGIA) Cert	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 922 (AQUA REGIA) Meas	46	5.34	< 10		0.41	35	1.30	0.020	0.065	0.38	3	3	17			< 2	< 10	33	< 10	16	6		
OREAS 922 (AQUA REGIA) Cert	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 923 (AQUA REGIA) Meas	42	6.09	< 10		0.34	33	1.41		0.061	0.69	3	4	14			< 2	< 10	32	< 10	15	23		
OREAS 923 (AQUA REGIA) Cert	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5		
OREAS 923 (AQUA REGIA) Meas	41	6.08	< 10		0.33	33	1.41		0.061	0.69	3	4	14			< 2	< 10	32	< 10	15	24		
OREAS 923 (AQUA REGIA) Cert	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5		
OREAS 923 (AQUA REGIA) Meas	41	6.12	< 10		0.34	33	1.43		0.061	0.70	3	4	14			< 2	< 10	32	< 10	15	10		
OREAS 923 (AQUA REGIA) Cert	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5		
OREAS 923 (AQUA REGIA) Meas	45	6.45	< 10		0.35	34	1.48		0.065	0.74	3	4	16			< 2	< 10	34	< 10	15	3		
OREAS 923 (AQUA REGIA) Cert	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5		
OREAS 923 (AQUA REGIA) Meas	41	5.99	< 10		0.34	32	1.39		0.062	0.68	3	3	15			< 2	< 10	32	< 10	14	11		
OREAS 923 (AQUA REGIA) Cert	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5		
Oreas 96 (Aqua Regia) Meas										3.80	8												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.95	7												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.97	6												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.96	6												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										4.05	6												
Oreas 96 (Aqua										4.38	4.53												

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
Regia) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	350	13.7	20	< 1	0.09	< 10	0.17	0.033	0.021	0.02		28	15	0.12		< 2	< 10	195		4	14		
OREAS 45f (Aqua Regia) Cert	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0		
OREAS 45f (Aqua Regia) Meas	356	14.1	20	< 1	0.09	< 10	0.17	0.034	0.021	0.02		28	15	0.14		< 2	< 10	199		4	17		
OREAS 45f (Aqua Regia) Cert	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0		
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																						0.05	0.32
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.36
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.34
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	0.34
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.34
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.34
GS316-3 Cert																						0.0600	0.340
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire																							

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																						8.00	15.3
GS317-5 Cert																						8.46	15.5
GS317-5 Meas																						8.21	14.8
GS317-5 Cert																						8.46	15.5
GS317-5 Meas																						8.32	14.8
GS317-5 Cert																						8.46	15.5
GS317-5 Meas																						8.28	14.8
GS317-5 Cert																						8.46	15.5
GS317-5 Meas																						8.05	14.9
GS317-5 Cert																						8.46	15.5
GS317-5 Meas																						7.93	14.5
GS317-5 Cert																						8.46	15.5
GS317-5 Meas																						7.86	14.6
GS317-5 Cert																						8.46	15.5
GS317-5 Meas																							14.4
GS317-5 Cert																							15.5
Oreas 620 (Aqua Regia) Meas	19	2.68	< 10	2	0.28	26	0.27	0.115	0.030	2.58	67		19			< 2	< 10	8	< 10	7	55		
Oreas 620 (Aqua Regia) Cert	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57		
Oreas 620 (Aqua Regia) Meas	17	2.68	< 10	2	0.28	25	0.27	0.116	0.030	2.59	61		19			< 2	< 10	8	< 10	7	58		
Oreas 620 (Aqua Regia) Cert	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57		
Oreas 620 (Aqua Regia) Meas	21	2.68	< 10	2	0.28	26	0.27	0.115	0.030	2.59	60		19			< 2	< 10	8	< 10	7	59		
Oreas 620 (Aqua Regia) Cert	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57		
Oreas 620 (Aqua Regia) Meas	18	2.93	< 10	2	0.31	26	0.29	0.125	0.032	2.82	59		21			< 2	< 10	9	< 10	7	24		
Oreas 620 (Aqua Regia) Cert	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57		
Oreas 620 (Aqua Regia) Meas	19	2.74	< 10	2	0.29	25	0.27	0.117	0.031	2.65	62		20			< 2	< 10	8	< 10	6	32		
Oreas 620 (Aqua Regia) Cert	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57		
1432021090 Orig																							
1432021090 Dup																							
1431012329 Orig	109	3.35	< 10	< 1	0.40	16	1.51	0.042	0.057	0.98	3	4	77	0.12	2	< 2	< 10	44	< 10	3	8		

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
1431012329 Dup	108	3.36	< 10	< 1	0.40	16	1.51	0.042	0.057	0.99	< 2	4	78	0.12	3	< 2	< 10	45	< 10	3	8		
GC22-0293-010 Orig																						0.03	2.85
GC22-0293-010 Dup																						0.04	2.86
1431012362 Orig																							
1431012362 Dup																							
1321074125 Orig																						0.44	0.23
1321074125 Dup																						0.44	0.23
1431012442 Orig	155	4.42	< 10	< 1	0.07	17	2.11	0.040	0.060	1.34	< 2	7	66	0.01	< 1	< 2	< 10	73	< 10	4	6		
1431012442 Dup	151	4.32	< 10	< 1	0.06	17	2.07	0.039	0.058	1.32	4	7	65	0.01	< 1	< 2	< 10	73	< 10	3	6		
1322049084 Orig																							
1322049084 Dup																							
1322048150 Orig																						0.51	0.57
1322048150 Dup																						0.52	0.58
1322048509 Orig																							
1322048509 Dup																							
1322049001 Orig	20	2.28	< 10	< 1	0.24	13	0.91	0.189	0.045	0.66	< 2	2	126	0.06	< 1	< 2	< 10	22	< 10	3	6		
1322049001 Dup	18	2.23	< 10	< 1	0.24	13	0.88	0.196	0.045	0.66	< 2	2	129	0.07	2	< 2	< 10	22	< 10	3	10		
1322049228 Orig																						0.84	0.65
1322049228 Dup																						0.84	0.65
1314010073 Orig																							
1314010073 Dup																							
1433006038 Orig																							
1433006038 Dup																							
1322048034 Orig																							
1322048034 Dup																							
GC22-0301-001 Orig																						0.14	1.87
GC22-0301-001 Dup																						0.15	1.86
1431012418 Orig																							
1431012418 Dup																							
1321074175 Orig	203	1.75	< 10	< 1	0.07	< 10	1.35	0.104	0.027	0.17	< 2	8	64	0.11	< 1	< 2	< 10	43	< 10	3	5		
1321074175 Dup	205	1.78	< 10	< 1	0.07	< 10	1.37	0.107	0.027	0.17	< 2	9	65	0.11	3	< 2	< 10	43	< 10	3	6		
GC22-5011-001 Orig																							
GC22-5011-001 Dup																							
1431012322 Orig																						1.13	0.94
1431012322 Dup																						1.13	0.95
GC22-0471-015 Orig																							
GC22-0471-015 Dup																							
GC22-5011-018 Orig	7	3.74	< 10	< 1	0.21	13	0.81	0.048	0.042	3.05	2	< 1	22	0.04	1	< 2	< 10	9	< 10	2	17		
GC22-5011-018 Dup	7	3.77	< 10	< 1	0.22	13	0.80	0.048	0.041	3.07	2	< 1	22	0.04	< 1	< 2	< 10	9	< 10	2	17		
GC22-5003-001 Orig																						0.15	2.16
GC22-5003-001 Dup																						0.14	2.14
1321074003 Orig																							

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
1321074003 Dup																							
GC22-5001-001 Orig	9	2.11	< 10	< 1	0.30	13	1.02	0.286	0.038	1.11	2	1	141	0.02	4	< 2	< 10	12	< 10	2	7		
GC22-5001-001 Dup	9	2.14	< 10	< 1	0.31	13	1.02	0.286	0.038	1.13	< 2	1	143	0.02	< 1	< 2	< 10	12	< 10	2	10		
1321074001 Orig	34	2.71	< 10	< 1	0.36	24	1.35	0.109	0.082	0.98	< 2	2	94	0.10	2	< 2	< 10	27	< 10	4	7		
1321074001 Dup	34	2.76	< 10	< 1	0.36	24	1.37	0.110	0.084	1.00	< 2	2	96	0.10	< 1	< 2	< 10	27	< 10	4	6		
GC22-5007-018 Orig	4	3.84	< 10	< 1	0.14	< 10	0.77	0.044	0.034	1.41	< 2	< 1	41	0.03	1	< 2	< 10	8	< 10	2	13	0.07	1.40
GC22-5007-018 Dup	4	3.80	< 10	< 1	0.14	< 10	0.77	0.043	0.034	1.39	< 2	< 1	40	0.03	3	< 2	< 10	8	< 10	2	13	0.06	1.42
1432021054 Orig																							
1432021054 Dup																							
1432021002 Orig																						0.75	1.33
1432021002 Dup																						0.75	1.34
20220707F1 Orig																							
20220707F1 Dup																							
1322050418 Orig	8	2.31	< 10	< 1	0.20	14	0.84	0.091	0.038	0.48	< 2	1	50	0.03	< 1	< 2	< 10	15	< 10	3	8		
1322050418 Dup	8	2.33	< 10	< 1	0.20	13	0.84	0.091	0.039	0.49	< 2	1	51	0.03	1	< 2	< 10	15	< 10	3	7		
1322048068 Orig																							
1322048068 Dup																							
1322048076 Orig																						0.47	1.82
1322048076 Dup																						0.46	1.80
1322051107 Orig																							
1322051107 Dup																							
GC22-5023-024 Orig																							
GC22-5023-024 Dup																							
1321072203 Orig																							
1321072203 Dup																							
1321071163 Orig																						0.25	2.33
1321071163 Dup																						0.24	2.34
1321071226 Orig																						0.38	1.21
1321071226 Dup																						0.38	1.19
1321071115 Orig	8	2.05	< 10	< 1	0.15	18	0.68	0.140	0.049	0.34	< 2	1	98	0.03	1	< 2	< 10	14	< 10	2	5		
1321071115 Dup	8	2.08	< 10	< 1	0.15	18	0.70	0.141	0.049	0.34	< 2	1	99	0.03	< 1	< 2	< 10	15	< 10	2	4		
1318089052 Orig																							
1318089052 Dup																							
1321071211 Orig																						0.59	1.26
1321071211 Dup																						0.53	1.16
1314007001 Orig																							
1314007001 Dup																							
1321080115 Orig																							
1321080115 Dup																							
1321079119 Orig	50	3.96	< 10	< 1	0.40	32	1.13	0.148	0.094	2.06	< 2	3	147	0.17	< 1	< 2	< 10	48	< 10	5	11		
1321079119 Dup	50	3.98	< 10	< 1	0.40	32	1.14	0.146	0.095	2.05	< 2	3	146	0.16	1	< 2	< 10	48	< 10	5	9		
1321080107 Orig																						0.45	0.52
1321080107 Dup																						0.45	0.55
GC22-0316-009 Orig																						0.36	1.98
GC22-0316-009 Dup																						0.37	1.96

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS	CS
GC22-0312-005 Orig																							
GC22-0312-005 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
GS311-4 Meas		
GS311-4 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
SiO2 Meas		
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922		

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
(AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.95
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 238 (Fire Assay) Meas	3100	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3120	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3170	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3050	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3110	
OREAS 238 (Fire Assay) Cert	3030	
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
GS316-3 Meas		
GS316-3 Cert		
OREAS 257b (Fire Assay) Meas		14.4
OREAS 257b		14.220

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
(Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510.000	
Oreas E1336 (Fire Assay) Meas	517	
Oreas E1336 (Fire Assay) Cert	510.000	
Oreas E1336 (Fire Assay) Meas	530	
Oreas E1336 (Fire Assay) Cert	510.000	
Oreas E1336 (Fire Assay) Meas	506	
Oreas E1336 (Fire Assay) Cert	510.000	
Oreas E1336 (Fire Assay) Meas	506	
Oreas E1336 (Fire Assay) Cert	510.000	
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
GS317-5 Meas		
GS317-5 Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
Oreas 620 (Aqua Regia) Cert		
1432021090 Orig		
1432021090 Dup		
1431012329 Orig		
1431012329 Dup		
GC22-0293-010 Orig		
GC22-0293-010 Dup		
1431012362 Orig	51	
1431012362 Dup	51	
1321074125 Orig		
1321074125 Dup		
1431012442 Orig	69	
1431012442 Dup	71	
1322049084 Orig		
1322049084 Dup		
1322048150 Orig		
1322048150 Dup		
1322048509 Orig	16	
1322048509 Dup	16	
1322049001 Orig		
1322049001 Dup		
1322049228 Orig		
1322049228 Dup		
1314010073 Orig		
1314010073 Dup		
1433006038 Orig	45	
1433006038 Dup	43	
1322048034 Orig		
1322048034 Dup		
GC22-0301-001 Orig		
GC22-0301-001 Dup		
1431012418 Orig	41	
1431012418 Dup	45	
1321074175 Orig		
1321074175 Dup		
GC22-5011-001 Orig	323	
GC22-5011-001 Dup	304	
1431012322 Orig		
1431012322 Dup		
GC22-0471-015 Orig		
GC22-0471-015 Dup		
GC22-5011-018 Orig		
GC22-5011-018		

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
Dup		
GC22-5003-001 Orig		
GC22-5003-001 Dup		
1321074003 Orig	48	
1321074003 Dup	47	
GC22-5001-001 Orig		
GC22-5001-001 Dup		
1321074001 Orig	44	
1321074001 Dup	43	
GC22-5007-018 Orig		
GC22-5007-018 Dup		
1432021054 Orig		
1432021054 Dup		
1432021002 Orig		
1432021002 Dup		
20220707F1 Orig	56	
20220707F1 Dup	56	
1322050418 Orig		
1322050418 Dup		
1322048068 Orig		
1322048068 Dup		
1322048076 Orig		
1322048076 Dup		
1322051107 Orig	26	
1322051107 Dup	27	
GC22-5023-024 Orig		
GC22-5023-024 Dup		
1321072203 Orig	126	
1321072203 Dup	117	
1321071163 Orig		
1321071163 Dup		
1321071226 Orig		
1321071226 Dup		
1321071115 Orig		
1321071115 Dup		
1318089052 Orig	85	
1318089052 Dup	82	
1321071211 Orig		
1321071211 Dup		
1314007001 Orig	37	
1314007001 Dup	38	
1321080115 Orig		
1321080115 Dup		
1321079119 Orig		

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
1321079119 Dup		
1321080107 Orig		
1321080107 Dup		
GC22-0316-009 Orig		
GC22-0316-009 Dup		
GC22-0312-005 Orig		
GC22-0312-005 Dup		
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-14601**
Report Date: **13-Feb-23**
Date Submitted: **07-Oct-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
5967 Highway 11/71
PO Box 5
Emo ON P0W 1E0
Canada

ATTN: Accounts Payable (RC/Rainy River)(inv)

CERTIFICATE OF ANALYSIS

213 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-11-07 07:25:39
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-11-09 11:40:04
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-11-11 22:31:43

REPORT **A22-14601**

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

Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample FO11854 was insufficient for further analysis.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

Report No.: **A22-14601**
Report Date: **13-Feb-23**
Date Submitted: **07-Oct-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
5967 Highway 11/71
PO Box 5
Emo ON P0W 1E0
Canada

ATTN: Accounts Payable (RC/Rainy River)(inv)

CERTIFICATE OF ANALYSIS

213 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2022-12-19 21:52:57
4F-C, S	Infrared	2022-12-07 21:49:07

REPORT **A22-14601**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample FO11854 was insufficient for further analysis.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0413-002	1660	None	-67.3	8.58	19.5	0.224	86.80	1.10	5.0	16.3	224	440	< 1	7	91	3670	0.63	154	23	14	< 0.5	< 2	0.74
1319060207	904	Slight	-18.5	8.82	40.0	0.684	58.42	0.78	0.9	3.2	22	1180	< 1	7	97	720	0.42	22	28	17	< 0.5	< 2	1.44
1319060399	203	Slight	16.5	9.54	41.4	1.66	24.96	0.49	1.6	6.8	82	669	< 1	5	912	1600	0.42	38	26	34	< 0.5	< 2	1.50
1319060390	510	None	-40.0	9.18	21.0	0.344	60.97	1.05	1.2	21.3	52	265	< 1	13	11	4920	0.40	96	26	18	< 0.5	< 2	0.77
GC22-0375-006	211	None	4.50	9.06	17.2	1.35	12.72	0.27	0.4	1.4	115	676	< 1	42	11	331	5.27	80	33	16	< 0.5	< 2	3.17
GC22-0424-001	108	None	14.3	9.33	28.2	2.04	13.82	0.28	1.7	0.9	114	321	< 1	10	72	317	1.12	14	27	31	< 0.5	< 2	1.40
GC22-0414-005	7	None	9.47	9.20	12.5	4.13	3.03	0.10	< 0.2	< 0.5	132	463	< 1	47	< 2	51	5.26	< 2	38	< 10	< 0.5	< 2	3.28
1313010008	103	Slight	7.70	9.11	57.0	1.16	49.29	0.74	0.3	< 0.5	30	399	< 1	99	< 2	61	2.54	10	27	24	< 0.5	5	2.38
GC22-0426-009FD	508	None	-68.7	8.70	12.7	0.156	81.43	0.71	0.4	4.8	52	251	< 1	9	4	1170	0.99	34	27	13	< 0.5	< 2	0.61
1319060338	616	None	-74.7	8.54	8.73	0.105	83.44	1.08	3.1	17.0	170	277	< 1	6	1160	4340	0.49	103	25	15	< 0.5	< 2	0.37
GC22-0417-013	8	None	15.5	8.83	16.9	11.9	1.42	0.11	< 0.2	< 0.5	130	532	< 1	46	< 2	61	5.28	2	36	11	< 0.5	< 2	3.10
GC22-0365-013	455	None	-180	7.73	8.72	0.0463	188.49	1.49	11.7	3.1	694	626	1	17	79	884	1.27	288	17	17	< 0.5	6	0.31
GC22-0421-001	409	None	-29.3	8.64	43.6	0.598	72.92	0.86	20.9	5.2	26	959	< 1	14	847	1770	0.57	73	25	18	< 0.5	< 2	1.76
1319060200	888	Slight	-31.3	9.11	31.2	0.499	62.54	0.57	2.3	1.9	18	252	1	20	11	482	0.51	28	27	20	< 0.5	< 2	1.18
GC22-0425-006	63	None	-13.8	9.15	33.0	0.705	46.79	0.43	0.7	< 0.5	17	580	< 1	10	38	107	1.02	42	30	26	< 0.5	< 2	1.40
1431015079	62	Slight	64.6	9.35	79.3	5.37	14.76	0.36	< 0.2	< 0.5	71	666	< 1	30	4	80	1.77	6	24	44	< 0.5	< 2	2.84
GC22-0419-001	106	Slight	36.0	9.30	50.9	3.43	14.84	0.62	0.4	0.7	31	1250	< 1	8	36	234	1.08	15	26	25	< 0.5	< 2	2.06
GC22-0588-009	232	Slight	-11.5	9.00	53.8	0.824	65.24	0.59	1.1	0.7	41	708	< 1	10	55	305	0.68	71	25	18	< 0.5	< 2	2.01
GC22-0362-006	306	Slight	5.28	9.31	46.6	1.13	41.35	0.46	8.7	0.8	23	625	1	13	150	204	0.64	37	29	25	< 0.5	< 2	2.04
1313010026	134	None	-22.0	8.61	16.5	0.427	38.50	0.46	< 0.2	< 0.5	124	422	1	17	3	101	3.31	9	28	31	< 0.5	< 2	1.74
1319060329	1070	Slight	-25.6	8.79	48.3	0.654	73.98	0.90	1.6	5.8	64	631	< 1	10	1080	1730	0.40	45	28	11	< 0.5	< 2	1.81
1319060148	3040	None	-24.0	8.81	29.2	0.549	53.27	0.81	34.8	9.1	122	466	1	4	1110	2580	0.42	24	26	< 10	< 0.5	< 2	1.14
F011864	1040																						
F011897	1040																						
GC22-2050-009	41	Slight	84.3	8.94	100	6.35	15.74	0.76	1.1	< 0.5	288	1500	< 1	44	< 2	128	3.35	23	25	< 10	< 0.5	< 2	3.45
1313008082	209	None	-123	8.26	10.9	0.0817	133.97	1.64	2.3	2.3	314	974	< 1	25	10	666	3.13	85	25	< 10	< 0.5	7	0.39
GC22-0368-006	63	Moderate	71.2	8.76	99.5	3.52	28.28	0.81	0.5	< 0.5	190	1310	< 1	62	< 2	160	3.85	11	27	< 10	< 0.5	< 2	3.73
GC22-0495-008	658	Moderate	55.5	8.51	111	2.01	55.01	1.22	2.4	1.7	176	1060	< 1	66	< 2	473	4.32	16	25	43	< 0.5	< 2	3.66
GC22-2035-004	111	Moderate	125	8.55	153	5.44	28.16	0.97	1.0	1.1	451	1240	< 1	57	36	304	3.81	21	25	< 10	< 0.5	< 2	4.50
GC22-0371-013	174	Slight	19.4	8.54	74.3	1.35	54.92	1.13	1.4	< 0.5	261	1040	< 1	64	4	179	4.38	18	31	22	< 0.5	< 2	3.04
GC22-0348-010	371	Moderate	76.8	8.45	181	1.74	104.42	2.89	1.7	< 0.5	154	1610	< 1	51	4	138	2.54	27	22	< 10	< 0.5	2	5.05
GC22-2017-006	25	Slight	89.3	9.01	93.3	23.1	4.03	0.45	0.4	< 0.5	297	874	< 1	51	< 2	134	3.18	24	25	< 10	< 0.5	< 2	3.45
GC22-2022-001	1600	Slight	87.5	8.87	117	4.00	29.19	1.11	1.5	< 0.5	392	1220	< 1	55	< 2	143	3.56	34	26	< 10	< 0.5	< 2	3.98
1313008094	125	None	-35.1	8.90	10.5	0.230	45.61	0.47	0.6	2.0	98	786	< 1	9	4	603	1.84	17	24	27	< 0.5	< 2	0.51
GC22-0520-017	26	Slight	107	8.91	112	24.7	4.54	0.51	0.5	< 0.5	236	1160	< 1	78	< 2	214	3.55	7	29	< 10	< 0.5	< 2	4.06
GC22-0520-002	810	Slight	-25.0	8.49	83.4	0.770	108.33	3.53	4.4	2.8	415	1600	271	10	4	710	3.26	66	24	16	< 0.5	< 2	2.55
GC22-0521-011	97	Slight	69.4	9.06	91.2	4.19	21.79	0.49	0.6	0.6	21	964	1	18	7	197	1.71	27	24	55	< 0.5	< 2	3.16
1320059066	69	Slight	11.8	9.02	56.5	1.27	44.62	0.88	0.8	1.2	39	950	< 1	26	5	347	1.76	23	30	30	< 0.5	< 2	2.17
GC22-5127-014	1150	Slight	-8.50	8.95	61.7	0.879	70.24	0.62	2.3	3.7	37	1340	< 1	11	123	973	0.78	38	24	22	< 0.5	< 2	1.50
1313008056	180	None	-40.1	8.86	13.9	0.258	54.05	0.53	0.3	< 0.5	53	782	< 1	11	< 2	266	2.39	10	27	33	< 0.5	< 2	0.85
1320059117	100	Slight	-3.66	8.85	54.6	0.937	58.26	0.95	1.2	1.9	44	896	< 1	22	3	568	1.57	24	31	37	< 0.5	< 2	2.22
F011877	326																						
F011876	324																						
1321081020	73	Slight	28.2	9.12	69.2	1.69	40.98	1.02	0.3	< 0.5	56	1360	< 1	50	3	126	3.10	6	30	22	< 0.5	< 2	2.98
GC22-0474-007	330	None	-51.6	8.46	9.00	0.148	60.60	0.49	0.4	< 0.5	142	386	< 1	5	< 2	43	2.47	8	25	34	< 0.5	4	0.56

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1321081041	154	Slight	-19.4	8.26	75.7	0.796	95.03	1.77	1.3	< 0.5	85	1670	< 1	55	< 2	283	3.18	37	31	24	< 0.5	< 2	3.25
1321078401	15	Slight	41.1	9.84	43.3	19.3	2.24	0.29	< 0.2	< 0.5	27	483	1	9	2	69	1.22	3	31	53	< 0.5	< 2	1.81
GC22-0308-011	160	None	-35.7	8.73	13.7	0.278	49.41	0.41	0.3	< 0.5	206	321	< 1	8	< 2	36	2.06	9	29	33	< 0.5	2	0.63
1321081449	33	Moderate	58.9	9.03	84.2	3.33	25.28	0.77	< 0.2	< 0.5	36	1330	< 1	28	5	176	3.72	8	30	61	< 0.5	< 2	3.74
1313003009	666	None	-10.7	8.97	8.99	0.456	19.70	0.23	0.4	< 0.5	177	413	< 1	7	4	65	3.01	8	27	22	< 0.5	< 2	1.14
1313003070	163	None	1.32	9.35	12.5	1.12	11.14	0.20	< 0.2	< 0.5	58	226	< 1	7	2	38	1.92	7	28	34	< 0.5	< 2	0.89
1313003083	72	None	-29.3	8.87	15.2	0.341	44.48	0.38	0.2	< 0.5	48	246	1	8	< 2	90	2.56	4	25	31	< 0.5	< 2	1.22
GC22-2030-013	148	None	-40.4	8.72	13.0	0.243	53.36	0.45	0.4	< 0.5	45	370	< 1	9	2	78	2.75	14	29	39	< 0.5	< 2	0.85
GC22-0475-002	401	None	-40.0	8.22	10.7	0.211	50.72	0.46	1.5	< 0.5	643	241	20	7	< 2	33	2.98	13	29	28	< 0.5	6	1.17
GC22-0331-010	108	None	-48.7	8.73	9.22	0.159	57.91	0.43	0.4	< 0.5	84	358	< 1	6	2	89	2.66	18	26	29	< 0.5	2	1.10
GC22-0326-006	27	Slight	38.9	9.70	44.0	8.75	5.03	0.33	< 0.2	< 0.5	15	485	< 1	3	4	41	1.02	< 2	31	177	< 0.5	< 2	1.84
1313005138	112	None	3.26	9.00	13.2	1.33	9.97	0.20	< 0.2	< 0.5	9	604	< 1	10	< 2	91	3.34	3	26	40	< 0.5	< 2	0.98
1313003047	59	None	4.58	8.97	25.4	1.22	20.86	0.36	< 0.2	< 0.5	98	266	2	6	3	33	1.98	6	27	36	< 0.5	< 2	1.24
1313005163	860	None	-8.84	9.23	11.2	0.559	20.05	0.27	6.4	< 0.5	29	531	< 1	11	2	89	2.57	4	26	30	< 0.5	6	0.54
GC22-2011-001	64	None	-64.2	9.20	17.0	0.209	81.13	0.60	< 0.2	< 0.5	7	291	< 1	7	4	142	2.51	10	24	24	< 0.5	< 2	1.59
GC22-0334-013	102	None	-68.9	8.38	5.00	0.0676	73.93	0.52	0.3	< 0.5	11	354	< 1	6	5	39	2.46	27	27	26	< 0.5	< 2	0.59
1313003073	174	None	-8.29	7.85	12.5	0.601	20.78	0.30	0.3	< 0.5	138	326	< 1	6	2	36	2.06	6	26	36	< 0.5	< 2	1.06
GC22-0305-001	3500	None	-17.0	9.04	16.2	0.489	33.17	0.32	< 0.2	< 0.5	124	305	2	8	< 2	36	3.68	10	26	27	< 0.5	< 2	1.69
F011896	> 5000																						
F011854	> 5000																						
1313009041	570	None	-28.9	8.75	10.9	0.275	39.85	0.39	0.9	< 0.5	471	302	2	3	< 2	32	2.47	11	27	33	< 0.5	8	1.11
GC22-0329-009	134	None	-30.5	8.52	14.2	0.318	44.78	0.45	0.4	< 0.5	50	440	< 1	7	6	77	2.98	9	28	30	< 0.5	3	1.34
1320056693	4420	Moderate	16.5	9.31	43.9	1.60	27.39	0.44	32.8	2.2	66	703	< 1	5	497	879	0.40	105	31	30	< 0.5	< 2	1.74
GC22-0400-001	440	None	55.1	8.79	88.5	2.65	33.37	0.55	0.6	2.3	73	1060	< 1	15	3	645	1.49	14	30	49	< 0.5	2	2.46
GC22-0400-018	223	Slight	21.5	8.76	73.5	1.41	52.01	1.66	1.8	13.3	231	1710	< 1	98	4	2420	6.35	14	29	23	< 0.5	< 2	4.42
GC22-5044-024	50	None	-8.20	9.46	6.47	0.441	14.66	0.24	0.8	< 0.5	438	319	5	14	< 2	46	2.40	9	27	21	< 0.5	< 2	0.56
1320056699	429	Slight	5.20	8.85	57.3	1.10	52.14	0.53	7.4	1.0	12	1350	< 1	5	230	363	0.40	140	30	30	< 0.5	< 2	2.29
GC22-0388-001	1470	Slight	-85.1	8.45	47.1	0.356	132.22	3.28	6.1	8.2	932	1010	1	15	6	1510	1.54	102	27	< 10	< 0.5	< 2	1.81
GC22-0388-018	349	Moderate	23.0	8.79	93.5	1.33	70.51	2.14	2.1	< 0.5	316	2520	< 1	3	4	259	4.24	25	30	36	< 0.5	< 2	4.45
GC22-0387-015	161	Moderate	75.5	8.61	96.3	4.62	20.84	1.15	0.8	0.5	84	2700	< 1	1	3	344	4.22	9	27	21	< 0.5	< 2	4.25
GC22-0390-001	114	Moderate	42.8	8.98	106	1.68	63.23	1.29	0.5	< 0.5	59	1700	< 1	61	< 2	272	3.86	12	26	26	< 0.5	< 2	3.93
1320055077	405	Slight	-40.5	8.94	15.5	0.276	56.01	0.60	1.5	4.6	36	127	< 1	10	46	1120	0.49	29	31	32	< 0.5	< 2	0.60
GC22-0385-015	131	Slight	54.2	8.67	97.4	2.25	43.22	0.89	0.6	1.5	118	1200	< 1	81	5	532	5.68	14	27	36	< 0.5	2	4.18
GC22-0391-018	77	Moderate	120	8.62	152	4.69	32.39	0.85	0.3	< 0.5	62	1470	< 1	95	4	235	4.72	17	30	57	< 0.5	2	4.63
1313007126	10	None	15.4	9.02	16.7	12.3	1.36	0.09	< 0.2	< 0.5	128	454	< 1	45	< 2	56	5.65	< 2	34	< 10	< 0.5	< 2	3.38
1313007034	269	Slight	-30.9	8.55	17.2	0.357	48.04	0.39	0.4	< 0.5	111	424	< 1	6	3	57	2.36	19	27	28	< 0.5	3	1.23
GC22-0396-001	43	Slight	21.8	8.92	59.4	1.58	37.60	0.51	< 0.2	< 0.5	16	801	< 1	22	2	90	2.18	11	29	43	< 0.5	< 2	2.21
1320056647	254	Slight	7.08	9.06	46.2	1.18	39.16	0.52	20.3	< 0.5	13	2580	< 1	7	112	206	0.48	124	29	34	< 0.5	< 2	1.64
1313007161	66	None	-59.8	8.05	11.7	0.164	71.53	0.56	0.2	< 0.5	109	393	< 1	8	3	67	2.63	7	27	27	< 0.5	3	1.26
GC22-0397-021	27	Moderate	145	8.68	157	12.8	12.27	0.93	0.3	< 0.5	67	1760	< 1	238	3	178	4.23	12	28	42	< 0.5	3	4.91
GC22-0399-016	121	Slight	36.1	9.19	65.7	2.22	29.57	0.60	0.5	< 0.5	59	1120	< 1	30	4	163	2.94	13	27	49	< 0.5	< 2	2.63
GC22-0398-012	490	Moderate	16.3	8.53	92.7	1.21	76.37	1.52	1.4	2.5	141	1530	< 1	47	4	560	3.25	30	28	27	< 0.5	< 2	3.58
GC22-0302-017	79	None	16.9	9.51	17.5	31.2	0.56	0.07	< 0.2	< 0.5	21	326	2	10	< 2	87	2.59	4	34	55	< 0.5	< 2	1.40

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1320056745	278	Slight	-2.80	8.81	48.6	0.945	51.41	0.58	4.1	2.1	50	637	2	9	344	753	0.51	69	28	19	< 0.5	< 2	2.04
GC22-0386-015	29	None	-8.48	9.01	36.4	0.811	44.91	0.56	0.3	< 0.5	5	602	< 1	13	3	77	2.15	7	25	45	< 0.5	< 2	1.71
F011869	1250																						
F011868	1230																						
1320060179	144	Slight	14.8	9.09	49.7	1.42	34.89	0.58	0.7	2.4	35	1020	< 1	12	38	747	1.99	35	29	46	< 0.5	< 2	2.15
1320060097	195	None	7.37	9.15	33.4	1.28	26.02	0.90	0.6	< 0.5	110	1400	< 1	63	< 2	314	2.50	3	29	55	< 0.5	< 2	2.13
1320059011	20	Slight	49.1	9.18	68.1	3.57	19.05	0.44	< 0.2	< 0.5	11	840	< 1	20	< 2	157	1.58	3	34	65	< 0.5	< 2	2.52
GC22-0451-012	499	Slight	-29.3	8.75	43.7	0.599	73.02	0.92	2.7	2.5	64	2410	< 1	30	< 2	865	2.58	44	24	27	< 0.5	< 2	2.19
1320060030	17	Slight	72.7	8.65	89.8	5.25	17.11	0.67	< 0.2	< 0.5	41	1100	< 1	40	5	147	2.45	8	30	76	< 0.5	< 2	3.59
1432026039	202	None	-18.7	9.00	30.0	0.616	48.68	0.45	2.0	< 0.5	32	546	< 1	13	9	163	1.34	16	31	30	< 0.5	< 2	1.09
1320060143	73	Slight	-4.31	8.25	53.6	0.926	57.93	1.33	0.6	< 0.5	89	1260	< 1	35	2	267	3.26	12	29	25	< 0.5	< 2	2.66
1432026059	142	None	-16.6	8.89	20.4	0.551	36.93	0.39	2.0	< 0.5	19	495	< 1	12	10	144	1.66	36	30	28	< 0.5	< 2	0.83
1320060189	64	Slight	31.2	9.06	56.8	2.22	25.64	0.51	< 0.2	< 0.5	25	1020	< 1	31	< 2	164	1.89	9	32	69	< 0.5	< 2	2.42
1432026170	85	None	-24.0	8.96	15.2	0.388	39.15	0.51	4.4	1.3	54	682	1	15	14	416	1.58	39	25	30	< 0.5	< 2	0.76
1320061310	67	Slight	21.3	9.22	43.5	1.96	22.14	0.58	0.3	1.1	43	752	< 1	16	< 2	415	1.45	10	29	52	< 0.5	< 2	1.70
GC22-5140-024	216	None	-53.8	8.82	4.25	0.0732	58.01	0.42	3.4	2.0	62	93	< 1	9	19	618	0.73	51	24	22	< 0.5	< 2	0.19
1320060546	70	Slight	14.9	8.56	63.5	1.31	48.59	1.58	1.0	1.8	152	1670	< 1	50	19	574	3.89	15	27	31	< 0.5	< 2	3.19
GC22-0536-003	56	None	-48.8	8.64	15.2	0.238	63.99	0.92	0.8	2.6	35	2300	< 1	19	< 2	852	1.09	23	21	29	< 0.5	< 2	0.45
GC22-0537-012	49	Moderate	86.1	9.04	107	5.08	21.10	0.78	0.3	< 0.5	49	1460	< 1	122	< 2	133	4.04	10	25	24	< 0.5	2	4.02
GC22-0537-009	133	Moderate	79.1	8.62	114	3.24	35.30	0.93	0.6	< 0.5	104	2260	< 1	184	2	196	4.69	10	28	12	< 0.5	2	4.23
GC22-0544-014	133	None	13.1	8.90	52.9	1.33	39.72	0.56	0.8	0.6	16	754	2	13	2	241	1.27	33	26	40	< 0.5	< 2	2.13
1320060048	130	Slight	3.82	8.46	49.0	1.08	45.16	1.53	1.1	0.7	122	1410	< 1	61	< 2	397	3.67	5	27	37	< 0.5	< 2	2.76
1320062914	27	Slight	43.0	9.72	49.8	7.30	6.83	0.36	< 0.2	< 0.5	14	452	< 1	13	< 2	50	1.39	2	27	41	< 0.5	< 2	1.94
1432026081	163	Slight	14.6	8.82	63.6	1.30	48.96	0.50	1.3	0.5	51	967	1	10	21	210	1.10	30	28	29	< 0.5	< 2	1.73
GC22-5050-025	419	None	-21.5	8.53	10.2	0.322	31.74	0.37	0.8	< 0.5	532	231	< 1	2	< 2	26	1.72	7	26	29	< 0.5	9	0.84
F011880	323																						
F011875	340																						
GC22-0350-014	27	Moderate	107	8.75	116	13.3	8.67	0.52	< 0.2	< 0.5	23	1520	< 1	18	< 2	183	3.17	4	29	< 10	< 0.5	< 2	4.17
GC22-0389-018	306	Moderate	63.5	8.87	93.0	3.16	29.47	1.01	1.5	2.7	163	1770	< 1	70	4	600	5.78	18	29	54	< 0.5	< 2	5.11
GC22-0356-010	456	Moderate	85.4	8.45	117	3.72	31.41	0.99	1.6	< 0.5	326	1790	< 1	38	3	243	3.11	24	29	45	< 0.5	< 2	3.77
GC22-0336-018	116	Slight	92.6	8.72	116	4.93	23.58	0.83	0.8	< 0.5	242	1190	< 1	67	12	282	4.88	9	30	71	< 0.5	< 2	4.71
GC22-0336-001	102	Slight	44.2	8.48	84.2	2.11	39.94	0.89	0.6	< 0.5	84	1840	< 1	5	< 2	197	3.61	10	26	13	< 0.5	2	3.19
GC22-0351-014	34	Slight	67.3	8.89	77.4	7.69	10.06	0.43	0.4	< 0.5	109	1300	< 1	67	< 2	188	4.00	5	28	39	< 0.5	< 2	3.28
1320055055	400	None	1.16	8.86	37.4	1.03	36.26	0.45	0.9	4.6	36	1090	< 1	6	307	1230	0.69	83	28	24	< 0.5	< 2	1.44
1313007416	755	None	-58.9	8.48	10.5	0.151	69.41	0.64	1.1	< 0.5	393	485	2	8	< 2	80	1.90	19	26	23	< 0.5	5	0.70
1320057209	254	Slight	-0.875	9.04	29.5	0.971	30.37	0.29	0.6	< 0.5	23	650	< 1	4	40	222	1.43	27	33	32	< 0.5	< 2	1.48
1320055123	87	Slight	7.86	8.64	50.5	1.18	42.61	0.57	0.8	< 0.5	51	694	1	108	10	148	1.60	15	30	31	< 0.5	< 2	2.13
1320057003	637	Slight	7.11	8.86	47.2	1.18	40.07	0.44	1.4	1.2	35	1100	< 1	7	296	436	0.94	44	27	24	< 0.5	< 2	1.83
1320057025	70	Slight	-15.4	8.98	20.0	0.565	35.34	0.30	0.6	< 0.5	20	707	< 1	7	46	187	1.62	8	32	28	< 0.5	< 2	1.20
1320057182	102	Slight	-45.4	8.17	49.1	0.520	94.56	1.83	1.5	1.1	97	1160	1	49	10	419	3.12	95	31	16	< 0.5	< 2	2.42
GC22-0347-018	53	None	1.78	8.82	61.2	1.03	59.46	0.76	0.5	< 0.5	9	683	1	13	2	52	1.21	8	30	31	< 0.5	< 2	1.82
GC22-0355-008	491	Moderate	-19.5	8.79	81.8	0.807	101.33	2.33	1.7	1.8	122	1760	1	4	4	582	3.41	38	29	26	< 0.5	< 2	3.23
1320057112	664	Slight	-24.8	8.14	23.5	0.486	48.29	0.38	2.8	2.3	23	586	< 1	7	34	691	0.58	59	31	20	< 0.5	< 2	1.07
1313007059	2350	None	-58.0	9.03	8.72	0.131	66.73	0.51	2.3	< 0.5	496	418	< 1	8	3	60	2.43	14	25	24	< 0.5	19	0.79

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1320055009	166	Slight	-10.0	8.31	19.9	0.665	29.97	0.25	0.2	< 0.5	19	974	< 1	6	31	124	1.60	39	30	26	< 0.5	< 2	1.57
1313007082	37	None	3.33	9.05	8.46	1.65	5.13	0.07	< 0.2	< 0.5	128	428	< 1	44	< 2	59	5.46	2	30	< 10	< 0.5	< 2	3.25
1320055132	518	Slight	-20.4	8.84	40.1	0.663	60.48	0.76	3.2	4.5	117	587	< 1	10	724	1760	0.28	73	30	26	< 0.5	< 2	1.66
1320057169	85	Slight	4.16	9.11	31.7	1.15	27.51	0.37	0.6	< 0.5	19	821	< 1	14	17	213	2.30	14	32	41	< 0.5	< 2	2.19
1320055043	> 5000	Slight	-1.13	8.82	44.9	0.976	46.05	0.64	8.5	2.8	52	504	1	42	226	962	0.91	41	36	41	< 0.5	< 2	1.75
1320057158	120	Slight	-19.0	8.69	46.7	0.711	65.77	0.67	4.1	2.2	27	581	< 1	9	280	823	0.39	107	27	29	< 0.5	< 2	1.92
F011866	1200																						
F011890	1220																						
GC22-5054-010	62	None	-1.08	9.07	9.73	0.900	10.80	0.11	0.3	< 0.5	137	254	2	7	< 2	32	3.83	6	32	46	< 0.5	< 2	1.57
GC22-0465-009FD	149	None	-79.3	8.23	4.98	0.0592	84.24	0.47	0.5	< 0.5	25	447	< 1	7	7	92	1.73	72	27	24	< 0.5	3	0.23
GC22-0639-001	706	None	-45.0	7.95	13.9	0.236	58.97	0.55	0.3	< 0.5	90	481	1	6	2	72	3.07	5	26	26	< 0.5	4	1.14
GC22-0666-012	36	Slight	33.0	9.12	47.0	3.35	14.00	0.35	< 0.2	< 0.5	82	511	< 1	2	2	44	0.80	< 2	30	106	< 0.5	< 2	2.20
1320056090	57	None	-15.5	8.83	8.71	0.360	24.19	0.22	0.6	< 0.5	25	538	1	11	16	151	1.82	36	29	18	< 0.5	< 2	0.64
GC22-0337-001	105	None	-15.7	8.92	14.4	0.478	30.18	0.24	0.2	< 0.5	43	456	< 1	7	3	130	2.75	12	26	27	< 0.5	< 2	1.10
GC22-5062-003	19	Slight	21.7	9.15	33.7	2.80	12.04	0.22	< 0.2	< 0.5	11	407	< 1	3	3	39	0.93	2	32	115	< 0.5	< 2	1.60
1320056168	86	Slight	-0.675	8.98	38.5	0.983	39.16	0.58	0.4	3.5	36	703	1	139	3	924	2.05	23	33	50	< 0.5	< 2	1.80
1320056631	11	None	-0.967	8.96	5.00	0.838	5.96	< 0.05	< 0.2	< 0.5	10	152	< 1	17	< 2	23	1.98	2	31	< 10	< 0.5	< 2	0.39
1320056816	198	Slight	-7.63	8.66	49.6	0.867	57.23	0.59	9.3	< 0.5	45	722	2	30	36	210	0.68	144	30	27	< 0.5	< 2	2.02
1320056001	328	Slight	16.7	9.17	45.7	1.57	29.04	0.30	3.6	1.2	33	880	< 1	7	187	375	0.80	38	31	19	< 0.5	< 2	1.95
1313009055	417	None	-34.1	8.59	7.50	0.180	41.63	0.39	0.8	< 0.5	492	269	< 1	3	< 2	29	2.52	4	23	39	< 0.5	9	1.14
1320056772	66	Slight	1.08	8.97	20.4	1.06	19.35	0.21	0.3	< 0.5	26	505	< 1	8	38	60	1.35	9	35	27	< 0.5	< 2	1.19
1313007017	371	None	-48.5	8.72	9.71	0.167	58.16	0.43	0.5	< 0.5	99	398	< 1	6	< 2	89	2.18	26	26	25	< 0.5	3	0.81
1313009059	672	None	-46.0	8.53	6.72	0.127	52.72	0.65	3.4	< 0.5	1410	369	10	10	< 2	47	2.03	10	27	30	< 0.5	53	0.59
1320056673	85	None	-2.24	9.23	14.7	0.868	16.96	0.19	1.3	< 0.5	21	602	< 1	9	17	61	1.86	31	29	23	< 0.5	< 2	1.12
1320056793	155	Slight	-5.23	8.84	33.7	0.866	38.96	0.47	1.4	< 0.5	68	761	< 1	176	26	113	1.87	30	30	25	< 0.5	< 2	1.47
1313009014	599	None	-30.2	8.62	10.7	0.262	40.88	0.48	1.3	< 0.5	1310	293	< 1	2	< 2	42	2.16	4	26	31	< 0.5	9	0.83
1313009079	197	Slight	-51.4	8.66	39.6	0.436	91.03	0.96	1.0	1.8	133	571	< 1	16	4	558	1.90	23	24	25	< 0.5	5	1.44
1313009001	101	Slight	-27.0	8.85	21.4	0.442	48.46	0.46	0.2	< 0.5	112	261	2	9	4	31	2.29	4	28	41	< 0.5	2	1.29
1320056719	153	Slight	9.23	9.01	35.6	1.35	26.38	0.24	16.2	0.7	32	577	1	9	80	277	0.63	27	29	28	< 0.5	< 2	1.51
GC22-0330-012	134	None	-73.9	8.22	6.74	0.0837	80.61	0.51	0.6	< 0.5	24	207	< 1	7	3	35	1.55	22	27	30	< 0.5	3	0.67
1320056776	745	Slight	15.1	8.73	59.7	1.34	44.64	0.82	8.9	3.3	71	1190	< 1	10	446	1220	0.88	81	27	28	< 0.5	< 2	2.38
F011941	500																						
F011938	508																						
1320059031	37	Slight	0.411	8.49	60.3	1.01	59.87	1.44	0.8	< 0.5	121	1640	< 1	66	3	272	3.11	18	30	38	< 0.5	< 2	2.75
GC22-5133-001	49	Slight	16.0	9.12	32.2	1.99	16.21	0.23	0.4	< 0.5	80	457	< 1	12	15	115	2.27	9	29	47	< 0.5	< 2	1.55
GC22-0368-009FD	127	Moderate	40.8	8.54	106	1.63	64.95	1.10	1.0	< 0.5	102	1250	< 1	67	2	225	3.45	22	28	37	< 0.5	< 2	3.91
1320059196	17	Slight	37.4	9.30	50.7	3.81	13.31	0.42	< 0.2	< 0.5	122	585	< 1	285	< 2	91	2.58	5	30	55	< 0.5	< 2	2.25
1320059130	8	Slight	35.1	9.68	35.4	119	< 0.31	0.24	< 0.2	< 0.5	19	395	< 1	12	< 2	87	1.20	< 2	32	35	< 0.5	< 2	1.41
1320059161	17	Slight	50.9	9.58	51.1	327	< 0.31	0.35	< 0.2	< 0.5	92	487	< 1	302	< 2	41	1.84	4	30	92	< 0.5	< 2	2.12
GC22-5135-007	131	None	9.54	9.21	62.9	1.18	53.37	0.61	3.8	< 0.5	28	985	< 1	9	21	146	0.61	25	27	11	< 0.5	< 2	1.27
1320059028	13	Slight	31.0	9.50	49.1	2.72	18.08	0.50	< 0.2	< 0.5	13	764	< 1	25	2	113	1.61	5	33	74	< 0.5	< 2	2.05
GC22-5128-001	85	None	-38.1	9.03	13.4	0.261	51.50	0.55	0.3	< 0.5	103	313	2	9	< 2	59	2.82	9	26	36	< 0.5	< 2	1.42
1320059120	21	Slight	18.1	9.26	30.2	2.49	12.15	0.51	< 0.2	< 0.5	33	583	< 1	30	2	156	1.92	5	31	47	< 0.5	< 2	1.51
GC22-5134-001	53	None	2.61	9.27	19.4	1.16	16.74	0.32	0.3	< 0.5	84	336	< 1	8	5	100	3.23	8	31	36	< 0.5	< 2	1.53
GC22-5144-002	84	Slight	-6.83	8.84	31.1	0.820	37.98	0.58	0.8	< 0.5	55	543	< 1	18	22	178	1.41	18	28	30	< 0.5	< 2	1.23
GC22-5138-003	108	None	-7.84	8.84	31.4	0.800	39.27	0.53	0.7	< 0.5	44	656	< 1	20	32	199	1.30	23	32	31	< 0.5	< 2	1.41
GC22-0522-010	114	Slight	17.4	8.31	108	1.19	90.10	1.91	0.8	0.7	67	1880	< 1	1	2	261	4.14	24	28	20	< 0.5	< 2	3.92

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-5153-002	148	None	-1.72	8.98	32.2	0.949	33.93	0.57	1.0	< 0.5	56	746	1	20	19	139	1.94	29	28	40	< 0.5	< 2	1.53
1320059043	89	Slight	34.2	8.50	74.3	1.85	40.14	1.63	0.7	1.1	101	1220	< 1	49	54	465	3.74	34	32	25	< 0.5	< 2	3.30
GC22-5136-008	299	None	-44.0	8.82	11.7	0.209	55.66	0.43	2.1	1.7	49	453	< 1	9	99	524	0.46	45	27	21	< 0.5	< 2	0.35
GC22-5153-013	288	None	-9.54	8.96	53.2	0.848	62.72	0.64	2.5	0.6	38	1330	< 1	11	96	198	0.60	38	22	20	< 0.5	< 2	1.38
1320059128	8	Slight	19.7	9.60	22.3	8.47	2.63	0.23	< 0.2	< 0.5	23	361	< 1	23	5	131	1.56	< 2	30	38	< 0.5	< 2	1.15
F011943	1050																						
F011946	1060																						
GC22-0366-018	276	Moderate	85.1	8.68	127	3.04	41.75	1.37	0.5	2.2	111	1470	< 1	106	7	501	4.16	32	32	26	< 0.5	2	4.80
1320060026	25	Slight	35.5	9.66	47.4	3.97	11.94	0.36	0.2	< 0.5	7	736	< 1	17	3	95	1.49	5	35	90	< 0.5	< 2	1.89
GC22-5154-008	142	None	-29.8	8.87	25.4	0.460	55.26	0.45	1.8	< 0.5	25	421	1	9	10	54	1.38	15	27	24	< 0.5	< 2	0.88
1320061400	50	Slight	37.9	9.63	48.1	4.71	10.23	0.35	< 0.2	< 0.5	18	771	< 1	12	3	75	1.07	7	31	41	< 0.5	< 2	1.94
GC22-5155-004	456	None	-13.0	9.16	44.2	0.773	57.21	0.49	1.4	< 0.5	11	528	< 1	10	10	68	1.03	9	27	23	< 0.5	< 2	1.27
GC22-5155-025	91	None	9.80	8.92	50.5	1.24	40.66	0.49	0.3	< 0.5	25	947	< 1	7	29	211	1.19	41	29	17	< 0.5	< 2	1.62
GC22-2020-009FD	205	Moderate	61.5	9.20	100	2.58	38.96	0.97	0.9	< 0.5	211	1290	< 1	111	< 2	204	4.41	14	30	24	< 0.5	2	3.59
1320061389	33	Slight	21.4	9.67	32.6	2.90	11.25	0.28	0.3	< 0.5	20	487	< 1	13	< 2	96	1.16	3	29	42	< 0.5	< 2	1.34
1320061371	31	Slight	23.1	9.52	32.7	3.40	9.62	0.32	< 0.2	< 0.5	34	453	< 1	11	2	76	1.21	4	34	49	< 0.5	< 2	1.43
1320061317	28	Slight	25.7	9.66	36.6	3.37	10.85	0.40	< 0.2	1.1	31	564	1	8	< 2	465	1.25	7	29	51	< 0.5	< 2	1.38
1320059059	36	Moderate	58.2	8.92	85.4	3.15	27.11	1.06	0.6	< 0.5	92	1140	< 1	36	9	203	3.21	10	31	49	< 0.5	< 2	3.39
GC22-5148-003	294	None	-31.9	8.96	32.7	0.507	64.59	0.51	5.0	1.2	53	1010	< 1	10	119	413	0.46	50	26	18	< 0.5	< 2	0.89
GC22-5159-006	315	None	1.31	9.30	54.0	1.02	52.64	0.55	2.2	< 0.5	35	1280	< 1	11	32	85	1.23	40	24	22	< 0.5	< 2	1.41
1320061383	18	Slight	24.3	9.64	32.9	3.82	8.62	0.34	0.2	< 0.5	33	391	< 1	9	3	66	1.29	6	30	51	< 0.5	< 2	1.39
GC22-0348-017	23	Moderate	119	8.87	125	21.4	5.83	0.58	0.3	1.4	111	1430	< 1	198	< 2	524	4.96	5	28	< 10	< 0.5	3	3.96
GC22-5156-009FD	254	Slight	15.5	9.19	47.2	1.49	31.68	0.36	4.0	< 0.5	29	1080	< 1	10	7	96	1.65	55	26	19	< 0.5	< 2	1.72
GC22-5147-002	1160	None	-14.7	9.31	47.7	0.764	62.37	0.67	13.5	4.5	288	1380	< 1	9	714	1220	0.45	132	25	18	< 0.5	< 2	1.76
GC22-0495-021	363	Moderate	20.0	8.44	73.1	1.38	53.10	1.64	1.8	1.2	208	2360	< 1	112	< 2	490	4.84	17	27	44	< 0.5	< 2	3.80
GC22-5146-007	167	None	0.290	9.25	55.1	1.01	54.84	0.52	2.3	1.0	43	1010	< 1	11	66	310	0.71	42	25	23	< 0.5	< 2	1.84
GC22-5145-013	265	None	-15.9	9.03	34.8	0.687	50.63	0.48	1.4	1.9	26	1340	< 1	9	20	562	1.13	39	24	27	< 0.5	< 2	1.15
F011913	1150																						
F011942	1170																						
GC22-0544-007	297	Slight	60.0	9.36	85.9	3.31	25.91	0.44	1.5	< 0.5	27	1170	< 1	10	4	143	0.94	29	25	44	< 0.5	< 2	2.64
1320061353	13	Slight	29.4	9.45	41.0	3.55	11.56	0.41	< 0.2	< 0.5	28	408	< 1	10	3	139	1.23	5	32	42	< 0.5	< 2	1.54
GC22-5140-007	369	None	-7.41	9.11	49.2	0.869	56.66	0.54	6.6	1.1	43	1600	< 1	10	80	308	0.68	31	28	21	< 0.5	< 2	1.64
1320062897	29	Slight	26.4	9.58	35.0	4.08	8.57	0.44	0.4	1.4	24	474	< 1	10	4	468	1.28	7	32	62	< 0.5	< 2	1.40
GC22-0541-012	245	None	1.21	9.16	59.1	1.02	57.90	0.58	1.5	< 0.5	44	1190	2	13	12	109	0.79	31	27	22	< 0.5	< 2	1.81

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0413-002	8	4	2.86	< 10	< 1	0.17	14	0.22	0.021	0.041	3.16	4	< 1	14	< 0.01	< 1	< 2	< 10	4	< 10	1	13	0.23
1319060207	9	7	2.19	< 10	< 1	0.24	< 10	0.22	0.010	0.029	2.25	2	< 1	49	< 0.01	< 1	< 2	< 10	3	< 10	1	12	0.60
1319060399	4	3	0.88	< 10	< 1	0.19	12	0.07	0.012	0.040	0.95	11	< 1	22	< 0.01	< 1	< 2	< 10	2	< 10	< 1	3	0.53
1319060390	11	6	2.13	< 10	< 1	0.16	10	0.10	0.013	0.042	2.47	2	< 1	10	< 0.01	< 1	< 2	< 10	2	< 10	1	11	0.23
GC22-0375-006	21	43	4.33	< 10	< 1	0.06	< 10	1.56	0.555	0.024	0.47	3	6	63	0.22	< 1	< 2	< 10	96	< 10	4	7	0.18
GC22-0424-001	12	13	1.49	< 10	< 1	0.21	15	0.37	0.070	0.036	0.56	< 2	1	27	0.07	< 1	< 2	< 10	17	< 10	2	4	0.37
GC22-0414-005	24	52	4.53	< 10	< 1	0.04	< 10	1.71	0.561	0.019	0.12	3	6	63	0.23	< 1	< 2	< 10	142	< 10	3	2	0.05
1313010008	15	182	3.25	< 10	< 1	0.13	16	1.97	0.121	0.067	1.92	3	4	86	< 0.01	5	< 2	< 10	30	< 10	3	2	0.76
GC22-0426-009FD	10	8	3.00	< 10	< 1	0.37	12	0.28	0.024	0.040	2.88	< 2	< 1	13	0.07	< 1	< 2	< 10	9	< 10	2	16	0.14
1319060338	8	2	2.65	< 10	< 1	0.18	10	0.14	0.012	0.040	3.07	36	< 1	8	< 0.01	2	< 2	< 10	2	< 10	1	14	0.16
GC22-0417-013	24	51	4.59	< 10	< 1	0.04	< 10	1.81	0.603	0.020	0.08	3	7	63	0.21	< 1	< 2	< 10	128	< 10	4	2	0.04
GC22-0365-013	12	14	6.24	< 10	< 1	0.20	29	1.01	0.017	0.062	6.34	4	1	7	< 0.01	< 1	< 2	< 10	11	< 10	3	43	0.07
GC22-0421-001	10	5	2.59	< 10	< 1	0.17	15	0.25	0.025	0.040	2.84	7	< 1	25	< 0.01	< 1	< 2	< 10	5	< 10	1	12	0.59
1319060200	11	9	2.19	< 10	< 1	0.25	12	0.11	0.013	0.041	2.27	2	< 1	33	< 0.01	< 1	< 2	< 10	4	< 10	1	9	0.36
GC22-0425-006	8	5	1.88	< 10	< 1	0.26	18	0.32	0.040	0.043	1.77	< 2	< 1	31	0.01	< 1	< 2	< 10	5	< 10	2	9	0.36
1431015079	14	19	2.78	< 10	< 1	0.13	16	1.26	0.053	0.051	0.63	< 2	2	78	0.02	< 1	< 2	< 10	21	< 10	3	3	0.77
GC22-0419-001	8	4	1.73	< 10	< 1	0.25	17	0.55	0.014	0.046	0.71	< 2	< 1	32	0.02	< 1	< 2	< 10	6	< 10	2	2	0.67
GC22-0588-009	9	4	2.56	< 10	< 1	0.18	15	0.34	0.011	0.051	2.41	2	< 1	16	< 0.01	< 1	< 2	< 10	3	< 10	2	3	0.66
GC22-0362-006	9	7	1.71	< 10	< 1	0.20	15	0.15	0.035	0.045	1.60	2	1	20	0.01	1	< 2	< 10	8	< 10	2	5	0.59
1313010026	13	15	3.15	< 10	< 1	0.15	< 10	1.35	0.256	0.035	1.39	< 2	2	83	0.07	3	< 2	< 10	42	< 10	3	11	0.20
1319060329	9	11	2.44	< 10	< 1	0.21	< 10	0.08	0.009	0.033	2.75	5	< 1	93	< 0.01	< 1	< 2	< 10	3	< 10	1	11	0.60
1319060148	8	4	1.82	< 10	< 1	0.23	< 10	0.05	0.011	0.037	2.01	4	< 1	27	< 0.01	< 1	< 2	< 10	2	< 10	2	9	0.37
F011864																							
F011897																							
GC22-2050-009	56	2	11.2	10	< 1	< 0.01	< 10	3.16	0.016	0.037	0.66	4	13	39	0.09	< 1	< 2	< 10	491	< 10	5	4	1.27
1313008082	23	16	6.59	< 10	< 1	0.12	12	2.92	0.035	0.053	4.90	4	3	19	< 0.01	2	< 2	< 10	42	< 10	6	19	0.10
GC22-0368-006	36	166	8.65	10	2	0.03	< 10	2.57	0.025	0.046	1.13	4	10	34	0.08	2	< 2	< 10	234	< 10	5	3	1.30
GC22-0495-008	35	142	8.77	10	1	0.23	< 10	2.71	0.122	0.044	2.03	5	9	36	0.16	4	< 2	< 10	252	< 10	6	3	1.38
GC22-2035-004	39	4	10.8	10	1	0.03	< 10	2.92	0.033	0.038	1.15	5	13	60	0.16	2	< 2	< 10	524	< 10	5	3	1.87
GC22-0371-013	37	146	8.30	< 10	3	0.18	< 10	2.68	0.120	0.047	2.14	3	4	36	0.16	< 1	< 2	< 10	153	< 10	4	3	0.90
GC22-0348-010	31	61	8.72	< 10	< 1	0.09	< 10	2.10	0.031	0.045	3.46	3	9	41	< 0.01	< 1	< 2	< 10	101	< 10	7	4	2.83
GC22-2017-006	41	3	10.1	10	< 1	< 0.01	< 10	2.92	0.023	0.054	0.25	4	10	39	0.21	< 1	< 2	< 10	378	< 10	6	3	1.13
GC22-2022-001	40	10	10.8	10	1	0.05	< 10	3.20	0.020	0.040	1.29	8	18	29	0.14	< 1	< 2	< 10	532	< 10	7	3	1.50
1313008094	9	7	2.78	< 10	< 1	0.17	13	1.30	0.057	0.040	1.61	< 2	< 1	25	< 0.01	3	< 2	< 10	11	< 10	3	9	0.17
GC22-0520-017	41	46	9.91	10	1	0.06	< 10	3.24	0.023	0.044	0.27	6	18	44	0.14	< 1	< 2	< 10	439	< 10	6	3	1.43
GC22-0520-002	38	3	10.1	10	2	0.13	< 10	1.93	0.069	0.086	4.20	4	12	43	0.15	7	< 2	< 10	132	12	10	7	1.20
GC22-0521-011	10	9	2.50	< 10	< 1	0.20	17	1.19	0.104	0.052	0.93	3	1	47	< 0.01	< 1	< 2	< 10	10	< 10	3	2	1.27
1320059066	18	21	4.87	< 10	< 1	0.24	11	0.86	0.090	0.057	1.66	2	6	54	0.10	< 1	< 2	< 10	92	< 10	5	10	0.79
GC22-5127-014	9	5	2.42	< 10	1	0.11	< 10	0.88	0.025	0.041	2.56	4	< 1	40	< 0.01	1	< 2	< 10	5	< 10	1	8	0.78
1313008056	11	9	3.18	< 10	< 1	0.31	12	1.82	0.091	0.043	1.94	< 2	2	53	0.08	< 1	< 2	< 10	23	< 10	4	12	0.11
1320059117	18	16	4.57	< 10	< 1	0.24	10	0.77	0.079	0.051	2.29	2	4	57	0.08	< 1	< 2	< 10	56	< 10	5	12	0.85
F011877																							
F011876																							
1321081020	28	34	6.58	10	< 1	0.63	26	1.58	0.216	0.101	1.58	3	10	187	0.16	1	< 2	< 10	152	< 10	8	12	0.92
GC22-0474-007	7	6	3.62	< 10	< 1	0.20	14	1.19	0.094	0.041	2.14	< 2	< 1	48	< 0.01	< 1	< 2	< 10	10	< 10	2	13	0.04
1321081041	35	37	9.39	10	< 1	0.36	< 10	1.34	0.160	0.067	3.64	4	10	93	0.16	5	< 2	< 10	185	< 10	8	7	1.03
1321078401	7	15	2.26	< 10	< 1	0.18	12	0.68	0.057	0.038	0.18	2	1	32	0.03	< 1	< 2	< 10	18	< 10	3	7	0.62
GC22-0308-011	8	8	3.28	< 10	< 1	0.18	13	1.30	0.041	0.039	1.76	< 2	< 1	31	< 0.01	2	< 2	< 10	8	< 10	2	15	0.11
1321081449	26	29	5.32	< 10	< 1	0.42	19	1.79	0.283	0.062	1.07	3	8	109	0.10	< 1	< 2	< 10	93	28	7	9	1.31
1313003009	8	8	2.31	< 10	< 1	0.08	15	0.97	0.162	0.038	0.72	< 2	1	98	0.01	< 1	< 2	< 10	14	< 10	2	7	0.15

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1313003070	7	8	1.58	< 10	< 1	0.12	14	0.80	0.161	0.040	0.44	< 2	1	69	< 0.01	< 1	< 2	< 10	11	< 10	3	6	0.17
1313003083	9	6	2.10	< 10	< 1	0.11	13	0.82	0.182	0.040	1.61	< 2	< 1	86	< 0.01	< 1	< 2	< 10	8	< 10	2	11	0.20
GC22-2030-013	8	8	3.09	< 10	< 1	0.16	14	1.68	0.172	0.042	2.05	< 2	1	112	< 0.01	< 1	< 2	< 10	14	< 10	2	14	0.09
GC22-0475-002	5	8	2.71	< 10	< 1	0.08	12	0.81	0.132	0.035	1.77	2	1	115	< 0.01	< 1	< 2	< 10	11	< 10	3	10	0.05
GC22-0331-010	8	6	3.00	< 10	< 1	0.13	13	1.02	0.174	0.041	2.02	< 2	< 1	101	< 0.01	< 1	< 2	< 10	7	< 10	2	11	0.07
GC22-0326-006	4	5	1.49	< 10	< 1	0.20	52	0.28	0.056	0.072	0.29	< 2	< 1	78	< 0.01	3	< 2	< 10	5	< 10	4	3	0.51
1313005138	7	9	3.69	< 10	< 1	0.13	20	1.59	0.119	0.052	0.37	2	1	95	0.02	< 1	< 2	< 10	17	< 10	3	7	0.15
1313003047	9	8	1.87	< 10	< 1	0.11	14	0.78	0.158	0.038	0.76	< 2	1	73	< 0.01	< 1	< 2	< 10	13	< 10	3	5	0.36
1313005163	9	8	3.74	< 10	< 1	0.13	19	1.50	0.046	0.044	0.72	2	1	37	0.01	4	< 2	< 10	12	< 10	3	8	0.08
GC22-2011-001	7	6	2.93	< 10	< 1	0.12	12	0.80	0.164	0.042	3.01	< 2	< 1	80	< 0.01	< 1	< 2	< 10	6	< 10	2	15	0.18
GC22-0334-013	7	8	3.46	< 10	< 1	0.15	13	1.23	0.075	0.039	2.61	< 2	< 1	48	< 0.01	< 1	< 2	< 10	8	< 10	2	16	0.01
1313003073	8	6	2.01	< 10	< 1	0.13	11	0.68	0.190	0.036	0.78	< 2	< 1	83	0.02	< 1	< 2	< 10	11	< 10	2	7	0.16
GC22-0305-001	7	8	2.49	< 10	< 1	0.12	11	0.98	0.174	0.036	1.26	2	1	123	< 0.01	< 1	< 2	< 10	13	< 10	2	8	0.07
F011896																							
F011854																							
1313009041	5	5	3.05	< 10	< 1	0.11	11	0.76	0.120	0.033	1.48	2	< 1	83	0.01	< 1	< 2	< 10	7	< 10	2	10	0.19
GC22-0329-009	6	8	2.51	< 10	< 1	0.15	13	1.09	0.167	0.040	1.59	< 2	< 1	86	< 0.01	2	< 2	< 10	8	< 10	2	10	0.10
1320056693	5	4	1.05	< 10	< 1	0.21	16	0.03	0.012	0.036	1.17	6	< 1	111	0.02	2	< 2	< 10	3	< 10	< 1	9	0.56
GC22-0400-001	9	8	2.64	< 10	< 1	0.18	18	1.16	0.105	0.050	1.22	2	1	57	0.02	< 1	< 2	< 10	12	< 10	3	7	1.20
GC22-0400-018	44	164	9.20	10	6	0.62	< 10	2.55	0.422	0.046	2.16	5	13	116	0.15	< 1	< 2	< 10	197	< 10	5	3	1.44
GC22-5044-024	10	10	2.11	< 10	< 1	0.10	< 10	0.95	0.099	0.038	0.54	2	2	90	< 0.01	< 1	< 2	< 10	21	< 10	2	10	0.05
1320056699	7	3	1.88	< 10	< 1	0.21	10	0.26	0.010	0.037	2.03	< 2	< 1	81	< 0.01	2	< 2	< 10	2	< 10	2	10	0.85
GC22-0388-001	10	8	6.30	< 10	1	0.27	< 10	0.99	0.075	0.039	5.72	5	2	34	0.02	5	< 2	< 10	25	< 10	3	17	0.82
GC22-0388-018	33	3	10.5	20	2	0.35	< 10	2.84	0.231	0.077	3.02	6	22	106	0.19	1	< 2	< 10	253	< 10	7	4	2.34
GC22-0387-015	29	2	10.6	20	3	0.16	< 10	2.79	0.160	0.074	1.01	5	21	71	0.16	< 1	< 2	< 10	257	< 10	8	4	2.22
GC22-0390-001	28	54	9.18	10	1	0.12	< 10	2.83	0.171	0.057	2.29	4	10	103	0.10	< 1	< 2	< 10	170	< 10	8	5	1.92
1320055077	10	3	2.06	< 10	< 1	0.27	< 10	0.06	0.012	0.040	2.23	< 2	< 1	14	< 0.01	2	< 2	< 10	6	< 10	1	9	0.16
GC22-0385-015	39	163	8.74	10	< 1	0.31	< 10	2.68	0.278	0.051	1.63	4	6	104	0.12	< 1	< 2	< 10	183	< 10	6	3	1.22
GC22-0391-018	36	119	7.55	10	2	0.21	15	2.67	0.188	0.056	1.33	4	6	103	0.10	< 1	< 2	< 10	130	< 10	6	7	1.62
1313007126	22	47	4.31	< 10	< 1	0.02	< 10	1.61	0.581	0.017	0.07	2	4	62	0.20	< 1	< 2	< 10	118	< 10	3	2	0.16
1313007034	7	5	2.75	< 10	< 1	0.12	13	1.06	0.128	0.040	1.69	< 2	< 1	46	0.03	2	< 2	< 10	10	< 10	2	11	0.19
GC22-0396-001	15	17	3.88	< 10	< 1	0.13	13	1.38	0.147	0.050	1.48	3	3	55	0.03	< 1	< 2	< 10	52	< 10	4	8	0.80
1320056647	7	4	1.60	< 10	< 1	0.25	12	0.28	0.009	0.037	1.56	< 2	< 1	145	< 0.01	< 1	< 2	< 10	3	< 10	2	7	0.70
1313007161	10	6	2.83	< 10	< 1	0.12	14	1.00	0.172	0.043	2.64	2	< 1	81	0.02	< 1	< 2	< 10	12	< 10	2	12	0.16
GC22-0397-021	54	113	9.30	< 10	2	0.18	< 10	4.19	0.044	0.041	0.69	5	9	76	0.09	< 1	< 2	< 10	111	< 10	7	2	2.82
GC22-0399-016	17	47	4.47	< 10	< 1	0.26	12	1.64	0.179	0.047	1.23	3	5	67	0.06	< 1	< 2	< 10	69	< 10	4	8	0.94
GC22-0398-012	32	94	7.61	< 10	< 1	0.18	< 10	2.20	0.137	0.044	2.86	4	8	67	0.10	< 1	< 2	< 10	121	17	5	4	1.61
GC22-0302-017	9	8	1.40	< 10	< 1	0.25	11	1.13	0.086	0.039	0.05	4	1	63	0.02	< 1	< 2	< 10	13	< 10	3	8	0.19
1320056745	9	6	1.99	< 10	< 1	0.17	< 10	0.23	0.023	0.039	2.10	3	< 1	25	< 0.01	< 1	< 2	< 10	7	< 10	2	8	0.50
GC22-0386-015	8	11	2.68	< 10	< 1	0.17	14	1.13	0.189	0.047	1.69	2	1	61	< 0.01	< 1	< 2	< 10	13	< 10	3	8	0.46
F011869																							
F011868																							
1320060179	10	8	2.72	< 10	< 1	0.23	20	0.97	0.125	0.058	1.37	< 2	1	79	0.05	< 1	< 2	< 10	18	< 10	3	6	0.63
1320060097	40	44	7.63	< 10	< 1	0.42	< 10	0.97	0.175	0.075	1.15	3	14	31	0.21	< 1	< 2	< 10	200	< 10	11	5	0.41
1320059011	13	14	3.08	< 10	< 1	0.26	22	1.21	0.048	0.069	0.81	< 2	3	68	0.04	< 1	< 2	< 10	38	< 10	4	7	0.90
GC22-0451-012	24	24	7.39	< 10	< 1	0.11	< 10	2.07	0.013	0.060	2.69	3	5	31	< 0.01	< 1	< 2	< 10	56	< 10	4	6	1.26
1320060030	21	21	4.96	< 10	< 1	0.25	27	1.69	0.089	0.090	0.77	5	6	168	0.06	< 1	< 2	< 10	89	< 10	7	6	1.49
1432026039	11	10	2.42	< 10	< 1	0.12	< 10	0.83	0.053	0.040	1.76	< 2	1	36	0.03	< 1	< 2	< 10	17	< 10	2	7	0.40
1320060143	26	33	7.79	< 10	< 1	0.46	< 10	1.22	0.217	0.060	2.26	6	7	81	0.16	1	< 2	< 10	126	< 10	7	9	0.74
1432026059	9	7	2.17	< 10	< 1	0.12	< 10	0.89	0.045	0.040	1.38	< 2	< 1	34	0.01	< 1	< 2	< 10	11	< 10	1	7	0.30
1320060189	18	20	4.16	< 10	< 1	0.34	23	1.22	0.070	0.080	1.07	< 2	5	90	0.12	< 1	< 2	< 10	75	< 10	5	11	0.70

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1432026170	10	15	3.02	< 10	< 1	0.12	11	1.05	0.063	0.048	1.39	3	2	31	0.04	< 1	< 2	< 10	23	< 10	2	7	0.23
1320061310	15	13	3.45	< 10	< 1	0.24	11	0.85	0.057	0.046	0.97	< 2	3	40	0.07	< 1	< 2	< 10	42	< 10	4	8	0.60
GC22-5140-024	8	4	1.95	< 10	< 1	0.12	< 10	0.30	0.022	0.044	2.03	5	< 1	17	< 0.01	< 1	< 2	< 10	4	< 10	< 1	6	0.01
1320060546	32	44	9.20	10	2	0.53	< 10	1.39	0.272	0.072	2.05	3	12	106	0.18	< 1	< 2	< 10	204	< 10	9	6	0.95
GC22-0536-003	15	7	4.17	< 10	< 1	0.11	12	0.66	0.035	0.050	2.37	< 2	2	14	< 0.01	5	< 2	< 10	15	< 10	3	5	0.41
GC22-0537-012	39	106	7.38	< 10	< 1	0.08	< 10	2.90	0.146	0.033	0.89	4	7	80	< 0.01	< 1	< 2	< 10	98	< 10	4	3	1.76
GC22-0537-009	45	131	9.20	10	2	0.05	< 10	3.82	0.070	0.040	1.43	4	11	71	0.01	< 1	< 2	< 10	137	< 10	6	3	1.90
GC22-0544-014	9	8	2.53	< 10	< 1	0.15	14	0.95	0.052	0.041	1.51	3	< 1	28	< 0.01	< 1	< 2	< 10	5	< 10	3	6	0.92
1320060048	41	46	9.76	10	3	0.40	< 10	1.36	0.228	0.077	1.89	3	13	73	0.18	< 1	< 2	< 10	218	< 10	10	3	0.71
1320062914	8	10	2.25	< 10	< 1	0.08	14	0.81	0.064	0.043	0.31	2	1	46	< 0.01	< 1	< 2	< 10	16	< 10	2	5	0.66
1432026081	9	8	2.32	< 10	< 1	0.15	< 10	1.07	0.040	0.045	1.75	3	1	43	0.02	< 1	< 2	< 10	12	< 10	2	9	0.84
GC22-5050-025	4	4	2.47	< 10	< 1	0.14	< 10	0.59	0.092	0.032	1.21	< 2	< 1	62	< 0.01	< 1	< 2	< 10	4	< 10	2	10	0.13
F011880																							
F011875																							
GC22-0350-014	37	3	11.0	10	3	0.02	< 10	2.76	0.019	0.053	0.42	3	11	32	0.14	< 1	< 2	< 10	470	< 10	4	3	1.52
GC22-0389-018	34	148	8.79	10	1	0.47	< 10	2.76	0.388	0.046	1.30	4	10	104	0.13	< 1	< 2	< 10	201	< 10	5	3	2.02
GC22-0356-010	39	47	10.7	10	< 1	0.43	< 10	3.14	0.037	0.065	1.27	5	21	50	0.17	< 1	< 2	< 10	482	< 10	6	7	2.07
GC22-0336-018	38	86	9.08	10	< 1	0.58	< 10	2.69	0.153	0.050	1.04	4	11	49	0.19	< 1	< 2	< 10	340	< 10	5	3	1.57
GC22-0336-001	23	5	10.3	10	2	0.07	< 10	2.09	0.023	0.139	1.50	5	12	54	0.12	< 1	< 2	< 10	93	< 10	14	6	1.20
GC22-0351-014	35	182	8.21	10	< 1	0.26	< 10	2.65	0.088	0.048	0.40	4	6	30	0.16	< 1	< 2	< 10	198	< 10	4	2	1.10
1320055055	7	3	1.83	< 10	< 1	0.17	13	0.49	0.013	0.042	1.49	< 2	< 1	14	< 0.01	< 1	< 2	< 10	4	< 10	2	7	0.60
1313007416	10	7	3.48	< 10	< 1	0.10	15	1.12	0.103	0.042	2.53	2	1	47	< 0.01	< 1	< 2	< 10	13	< 10	2	13	0.19
1320057209	8	6	1.92	< 10	< 1	0.18	17	0.73	0.045	0.044	1.15	< 2	< 1	26	0.05	< 1	< 2	< 10	12	< 10	2	10	0.33
1320055123	26	193	2.88	< 10	< 1	0.30	12	1.40	0.020	0.045	1.59	2	4	54	0.06	< 1	< 2	< 10	31	< 10	2	6	0.67
1320057003	8	4	1.83	< 10	< 1	0.18	15	0.56	0.018	0.042	1.53	< 2	< 1	18	< 0.01	< 1	< 2	< 10	4	< 10	2	7	0.63
1320057025	7	6	1.92	< 10	< 1	0.18	15	0.94	0.049	0.039	1.32	< 2	< 1	24	0.05	< 1	< 2	< 10	10	< 10	2	13	0.23
1320057182	37	47	8.75	10	2	0.41	< 10	1.14	0.189	0.078	3.61	4	8	70	0.20	< 1	< 2	< 10	167	< 10	11	5	0.62
GC22-0347-018	9	11	2.70	< 10	< 1	0.19	14	1.07	0.109	0.046	2.34	< 2	< 1	48	< 0.01	< 1	< 2	< 10	9	< 10	3	10	0.87
GC22-0355-008	37	6	11.0	10	< 1	0.30	< 10	2.14	0.056	0.113	4.11	5	19	50	0.17	< 1	< 2	< 10	164	< 10	12	6	1.26
1320057112	7	4	1.75	< 10	< 1	0.16	14	0.36	0.012	0.037	1.73	< 2	< 1	14	< 0.01	< 1	< 2	< 10	3	< 10	< 1	6	0.43
1313007059	8	5	3.52	< 10	< 1	0.10	14	1.20	0.120	0.040	2.26	< 2	< 1	58	< 0.01	< 1	< 2	< 10	10	< 10	2	11	0.13
1320055009	7	5	1.74	< 10	< 1	0.20	15	0.81	0.017	0.041	1.12	< 2	< 1	23	0.05	< 1	< 2	< 10	7	< 10	2	8	0.33
1313007082	23	38	4.31	< 10	1	0.03	< 10	1.52	0.585	0.021	0.19	< 2	5	58	0.20	< 1	< 2	< 10	121	< 10	3	3	0.15
1320055132	10	3	1.91	< 10	< 1	0.17	< 10	0.03	0.008	0.033	2.25	4	< 1	66	< 0.01	< 1	< 2	< 10	2	< 10	1	8	0.57
1320057169	11	14	2.65	< 10	< 1	0.20	26	0.96	0.097	0.063	1.07	2	2	64	0.10	< 1	< 2	< 10	27	< 10	4	4	0.41
1320055043	14	93	2.50	< 10	< 1	0.47	11	0.67	0.012	0.049	1.73	3	2	41	0.05	< 1	< 2	< 10	23	< 10	2	9	0.60
1320057158	9	3	2.13	< 10	< 1	0.21	< 10	0.08	0.010	0.039	2.44	3	< 1	42	< 0.01	< 1	< 2	< 10	2	< 10	2	10	0.73
F011866																							
F011890																							
GC22-5054-010	2	9	1.58	< 10	< 1	0.21	< 10	0.96	0.168	0.039	0.37	< 2	1	165	< 0.01	< 1	< 2	< 10	16	< 10	2	9	0.09
GC22-0465-009FD	9	4	3.66	< 10	< 1	0.17	20	1.22	0.037	0.056	3.01	< 2	< 1	21	< 0.01	< 1	< 2	< 10	7	< 10	3	13	< 0.01
GC22-0639-001	7	7	4.99	< 10	< 1	0.12	13	1.23	0.118	0.038	2.05	< 2	< 1	94	< 0.01	< 1	< 2	< 10	12	< 10	2	10	0.35
GC22-0666-012	5	5	1.36	< 10	< 1	0.19	58	0.23	0.036	0.075	0.60	< 2	< 1	95	< 0.01	2	< 2	< 10	4	< 10	4	2	0.64
1320056090	10	5	2.04	< 10	< 1	0.10	17	0.61	0.053	0.050	0.96	< 2	< 1	32	< 0.01	< 1	< 2	< 10	8	< 10	2	2	0.11
GC22-0337-001	8	6	2.71	< 10	< 1	0.14	13	1.52	0.098	0.039	1.11	< 2	< 1	64	< 0.01	< 1	< 2	< 10	11	< 10	3	9	0.14
GC22-5062-003	4	4	1.42	< 10	< 1	0.14	46	0.36	0.039	0.069	0.48	< 2	< 1	75	< 0.01	< 1	< 2	< 10	5	< 10	4	3	0.42
1320056168	32	269	3.33	< 10	< 1	0.34	12	1.98	0.062	0.044	1.44	< 2	5	69	0.08	< 1	< 2	< 10	43	< 10	2	6	0.43
1320056631	8	39	1.25	< 10	< 1	0.02	< 10	0.59	0.046	0.035	0.18	< 2	2	21	< 0.01	< 1	< 2	< 10	14	< 10	< 1	4	0.07
1320056816	15	28	2.37	< 10	< 1	0.22	16	0.35	0.018	0.048	2.32	3	< 1	26	0.01	< 1	< 2	< 10	7	< 10	2	9	0.64
1320056001	7	4	1.14	< 10	< 1	0.18	16	0.26	0.047	0.031	1.13	2	< 1	31	< 0.01	< 1	< 2	< 10	3	< 10	1	8	0.59

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1313009055	6	4	3.00	< 10	< 1	0.14	< 10	0.88	0.126	0.035	1.49	< 2	< 1	82	0.01	2	< 2	< 10	7	< 10	2	9	0.16
1320056772	8	6	1.82	< 10	< 1	0.20	19	0.66	0.026	0.049	0.72	< 2	1	33	0.08	< 1	< 2	< 10	12	< 10	2	5	0.28
1313007017	8	5	3.20	< 10	< 1	0.12	12	1.16	0.097	0.038	2.07	< 2	< 1	35	< 0.01	2	< 2	< 10	9	< 10	2	12	0.16
1313009059	8	7	3.81	< 10	< 1	0.13	11	0.80	0.082	0.037	1.99	2	< 1	56	< 0.01	< 1	< 2	< 10	10	< 10	2	11	0.09
1320056673	8	8	1.58	< 10	< 1	0.10	13	0.51	0.067	0.045	0.65	< 2	< 1	40	< 0.01	< 1	< 2	< 10	8	< 10	1	4	0.22
1320056793	37	393	3.12	< 10	< 1	0.15	20	1.83	0.041	0.074	1.38	3	2	59	0.07	< 1	< 2	< 10	34	< 10	2	5	0.39
1313009014	3	4	3.44	< 10	< 1	0.13	< 10	1.00	0.094	0.030	1.54	< 2	< 1	69	< 0.01	< 1	< 2	< 10	6	< 10	2	10	0.17
1313009079	16	9	4.29	< 10	< 1	0.10	27	1.61	0.026	0.058	3.12	3	2	47	< 0.01	< 1	< 2	< 10	18	< 10	4	14	0.49
1313009001	5	7	2.61	< 10	< 1	0.12	16	0.78	0.150	0.041	1.78	2	1	124	< 0.01	< 1	< 2	< 10	10	< 10	3	13	0.31
1320056719	7	6	1.08	< 10	< 1	0.14	16	0.17	0.029	0.043	1.02	3	< 1	27	< 0.01	< 1	< 2	< 10	3	< 10	1	4	0.49
GC22-0330-012	7	5	2.99	< 10	< 1	0.19	15	0.43	0.109	0.042	2.96	< 2	< 1	50	0.01	< 1	< 2	< 10	5	< 10	2	16	0.04
1320056776	8	8	2.44	< 10	< 1	0.21	16	0.50	0.015	0.044	1.84	4	< 1	44	< 0.01	< 1	< 2	< 10	6	< 10	2	9	0.80
F011941																							
F011938																							
1320059031	43	49	10.8	10	1	0.22	< 10	1.30	0.123	0.075	2.38	5	16	46	0.26	< 1	< 2	< 10	244	< 10	11	4	0.77
GC22-5133-001	7	11	2.00	< 10	< 1	0.21	16	0.99	0.141	0.055	0.62	< 2	2	95	0.04	< 1	< 2	< 10	23	< 10	3	3	0.37
GC22-0368-009FD	37	136	8.13	< 10	< 1	0.20	< 10	2.52	0.030	0.049	2.42	3	5	50	0.10	< 1	< 2	< 10	126	< 10	5	3	1.45
1320059196	39	456	3.97	< 10	< 1	0.20	< 10	3.12	0.098	0.035	0.54	7	7	55	0.11	< 1	< 2	< 10	70	< 10	3	4	0.58
1320059130	8	10	1.92	< 10	< 1	0.13	15	0.59	0.046	0.042	0.11	< 2	1	27	0.03	< 1	< 2	< 10	16	< 10	2	6	0.58
1320059161	34	643	2.64	< 10	< 1	0.21	< 10	2.73	0.090	0.033	0.14	3	6	87	0.07	< 1	< 2	< 10	53	< 10	2	3	0.40
GC22-5135-007	9	4	2.20	< 10	< 1	0.05	< 10	0.98	0.017	0.037	2.47	4	< 1	23	< 0.01	< 1	< 2	< 10	3	< 10	< 1	4	0.87
1320059028	14	24	2.84	< 10	< 1	0.28	20	1.10	0.053	0.065	0.74	< 2	3	85	0.13	< 1	< 2	< 10	44	< 10	4	11	0.55
GC22-5128-001	10	6	2.75	< 10	< 1	0.15	13	1.00	0.253	0.039	2.03	2	1	145	0.02	< 1	< 2	< 10	16	< 10	2	13	0.17
1320059120	12	42	3.45	< 10	< 1	0.22	13	0.86	0.092	0.044	0.55	2	3	48	0.09	< 1	< 2	< 10	38	< 10	3	8	0.55
GC22-5134-001	8	6	1.97	< 10	< 1	0.15	12	1.37	0.218	0.035	0.68	< 2	< 1	121	0.02	< 1	< 2	< 10	11	< 10	2	5	0.20
GC22-5144-002	15	14	2.92	< 10	< 1	0.11	11	0.85	0.057	0.049	1.53	2	2	43	0.04	< 1	< 2	< 10	29	< 10	3	8	0.38
GC22-5138-003	14	23	2.88	< 10	< 1	0.15	12	0.93	0.051	0.045	1.54	< 2	2	41	0.06	< 1	< 2	< 10	31	< 10	3	8	0.44
GC22-0522-010	27	3	11.1	20	3	0.57	< 10	1.91	0.233	0.126	3.43	5	17	119	0.18	< 1	< 2	< 10	87	< 10	12	7	1.44
GC22-5153-002	14	20	3.15	< 10	1	0.17	< 10	1.08	0.092	0.042	1.40	< 2	3	60	0.06	< 1	< 2	< 10	34	< 10	3	7	0.49
1320059043	33	54	8.64	10	2	0.48	< 10	1.57	0.239	0.082	3.29	3	13	153	0.18	< 1	< 2	< 10	163	< 10	11	6	0.66
GC22-5136-008	8	4	1.93	< 10	< 1	0.11	< 10	0.26	0.018	0.029	2.05	5	< 1	18	< 0.01	< 1	< 2	< 10	2	< 10	< 1	8	0.15
GC22-5153-013	8	3	2.22	< 10	< 1	0.13	< 10	0.74	0.019	0.046	2.37	3	< 1	29	< 0.01	< 1	< 2	< 10	3	< 10	1	7	0.73
1320059128	9	35	1.92	< 10	1	0.16	14	0.75	0.069	0.042	0.13	< 2	2	44	0.06	< 1	< 2	< 10	18	< 10	2	6	0.39
F011943																							
F011946																							
GC22-0366-018	40	67	9.50	10	2	0.15	< 10	2.94	0.081	0.059	1.76	6	12	68	0.12	< 1	< 2	< 10	174	< 10	9	4	2.05
1320060026	9	11	2.45	< 10	< 1	0.34	18	0.93	0.068	0.057	0.47	2	3	47	0.08	1	< 2	< 10	37	< 10	4	9	0.63
GC22-5154-008	8	7	2.03	< 10	< 1	0.10	< 10	0.78	0.043	0.041	2.05	2	< 1	32	< 0.01	< 1	< 2	< 10	5	< 10	< 1	6	0.32
1320061400	7	10	1.99	< 10	< 1	0.14	15	0.70	0.041	0.045	0.46	< 2	1	42	0.02	< 1	< 2	< 10	13	< 10	3	6	0.76
GC22-5155-004	7	5	2.03	< 10	< 1	0.11	< 10	0.97	0.036	0.038	2.09	2	< 1	34	< 0.01	< 1	< 2	< 10	5	< 10	1	5	0.66
GC22-5155-025	8	3	2.10	< 10	< 1	0.10	< 10	1.04	0.031	0.042	1.56	< 2	< 1	40	< 0.01	< 1	< 2	< 10	5	< 10	1	4	0.89
GC22-2020-009FD	43	183	9.79	10	2	0.07	< 10	3.54	0.021	0.044	1.53	4	8	23	0.10	< 1	< 2	< 10	165	< 10	5	3	1.26
1320061389	7	13	1.87	< 10	< 1	0.17	12	0.83	0.055	0.040	0.44	< 2	2	28	0.04	< 1	< 2	< 10	22	< 10	3	8	0.49
1320061371	7	13	2.04	< 10	< 1	0.18	12	0.84	0.064	0.040	0.42	< 2	2	27	0.04	< 1	< 2	< 10	23	< 10	3	7	0.59
1320061317	7	9	2.37	< 10	< 1	0.20	13	0.77	0.046	0.039	0.49	< 2	2	31	0.04	< 1	< 2	< 10	18	< 10	3	7	0.52
1320059059	26	45	6.88	< 10	< 1	0.27	< 10	1.43	0.136	0.071	1.21	4	11	96	0.13	< 1	< 2	< 10	132	< 10	10	7	1.16
GC22-5148-003	8	3	2.11	< 10	< 1	0.10	< 10	0.56	0.017	0.045	2.32	6	< 1	21	< 0.01	< 1	< 2	< 10	2	< 10	1	8	0.46
GC22-5159-006	8	6	2.25	< 10	< 1	0.12	< 10	1.24	0.028	0.042	2.05	4	< 1	44	< 0.01	< 1	< 2	< 10	7	< 10	1	7	0.72
1320061383	8	9	2.05	< 10	< 1	0.20	14	0.72	0.047	0.041	0.37	< 2	2	26	0.06	< 1	< 2	< 10	18	< 10	3	7	0.42
GC22-0348-017	57	164	9.78	10	1	0.02	< 10	4.37	0.017	0.035	0.33	4	14	39	0.08	< 1	< 2	< 10	161	< 10	6	3	1.59

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-5156-009FD	7	6	1.90	< 10	< 1	0.08	< 10	0.97	0.035	0.036	1.21	< 2	< 1	41	< 0.01	2	< 2	< 10	6	< 10	2	4	0.66
GC22-5147-002	7	4	2.11	< 10	< 1	0.11	< 10	1.00	0.019	0.045	2.35	20	< 1	37	< 0.01	< 1	< 2	< 10	3	< 10	1	6	1.05
GC22-0495-021	41	75	10.1	10	2	0.38	< 10	3.09	0.207	0.058	2.10	5	11	83	0.14	< 1	< 2	< 10	206	< 10	8	4	1.94
GC22-5146-007	7	4	1.94	< 10	< 1	0.13	< 10	0.83	0.023	0.036	2.04	3	< 1	39	< 0.01	2	< 2	< 10	3	< 10	1	5	0.93
GC22-5145-013	7	5	1.97	< 10	< 1	0.11	< 10	0.70	0.031	0.039	1.86	3	< 1	34	< 0.01	< 1	< 2	< 10	4	< 10	2	5	0.48
F011913																							
F011942																							
GC22-0544-007	4	7	2.35	< 10	< 1	0.17	11	1.25	0.025	0.039	0.99	< 2	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	2	3	1.47
1320061353	9	8	2.16	< 10	< 1	0.16	13	0.72	0.048	0.039	0.50	< 2	1	28	0.04	< 1	< 2	< 10	16	< 10	3	6	0.57
GC22-5140-007	7	4	2.05	< 10	< 1	0.13	< 10	1.06	0.028	0.036	2.10	6	< 1	35	< 0.01	< 1	< 2	< 10	3	< 10	1	5	0.97
1320062897	7	11	2.09	< 10	< 1	0.28	13	0.70	0.049	0.042	0.41	< 2	2	25	0.08	< 1	< 2	< 10	21	< 10	3	8	0.47
GC22-0541-012	8	5	2.30	< 10	< 1	0.10	< 10	1.10	0.022	0.038	2.23	3	< 1	47	< 0.01	< 1	< 2	< 10	4	< 10	2	6	1.02

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0413-002	3.14	
1319060207	2.13	
1319060399	0.96	
1319060390	2.30	
GC22-0375-006	0.50	
GC22-0424-001	0.53	
GC22-0414-005	0.13	
1313010008	1.82	
GC22-0426-009FD	2.84	
1319060338	3.03	
GC22-0417-013	0.08	
GC22-0365-013	6.53	
GC22-0421-001	2.62	
1319060200	2.19	
GC22-0425-006	1.64	
1431015079	0.22	
GC22-0419-001	0.68	
GC22-0588-009	2.29	
GC22-0362-006	1.47	
1313010026	1.38	
1319060329	2.66	
1319060148	1.98	
F011864		
F011897		
GC22-2050-009	0.76	
1313008082	4.83	
GC22-0368-006	1.18	
GC22-0495-008	2.17	
GC22-2035-004	1.22	
GC22-0371-013	2.13	
GC22-0348-010	4.31	
GC22-2017-006	0.28	
GC22-2022-001	1.31	
1313008094	1.62	
GC22-0520-017	0.32	
GC22-0520-002	4.65	
GC22-0521-011	0.86	
1320059066	1.72	
GC22-5127-014	2.45	
1313008056	1.91	
1320059117	2.18	
F011877		
F011876		
1321081020	1.65	
GC22-0474-007	2.11	
1321081041	3.67	
1321078401	0.17	
GC22-0308-011	1.72	
1321081449	1.07	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1313003009	0.71	
1313003070	0.42	
1313003083	1.55	
GC22-2030-013	1.86	
GC22-0475-002	1.78	
GC22-0331-010	2.00	
GC22-0326-006	0.27	
1313005138	0.39	
1313003047	0.79	
1313005163	0.73	
GC22-2011-001	2.80	
GC22-0334-013	2.54	
1313003073	0.77	
GC22-0305-001	1.17	
F011896		5.63
F011854		
1313009041	1.40	
GC22-0329-009	1.58	
1320056693	1.02	
GC22-0400-001	1.25	
GC22-0400-018	2.22	
GC22-5044-024	0.55	
1320056699	1.85	
GC22-0388-001	5.32	
GC22-0388-018	2.97	
GC22-0387-015	1.05	
GC22-0390-001	2.45	
1320055077	1.99	
GC22-0385-015	1.68	
GC22-0391-018	1.33	
1313007126	0.07	
1313007034	1.67	
GC22-0396-001	1.37	
1320056647	1.43	
1313007161	2.47	
GC22-0397-021	0.70	
GC22-0399-016	1.15	
GC22-0398-012	2.95	
GC22-0302-017	0.04	
1320056745	0.87	
GC22-0386-015	1.62	
F011869		
F011868		
1320060179	1.31	
1320060097	1.13	
1320059011	0.76	
GC22-0451-012	2.64	
1320060030	0.77	
1432026039	1.71	
1320060143	2.30	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1432026059	1.31	
1320060189	0.99	
1432026170	1.42	
1320061310	0.90	
GC22-5140-024	2.00	
1320060546	2.08	
GC22-0536-003	2.36	
GC22-0537-012	0.93	
GC22-0537-009	1.44	
GC22-0544-014	1.46	
1320060048	1.96	
1320062914	0.34	
1432026081	1.73	
GC22-5050-025	1.15	
F011880		
F011875		
GC22-0350-014	0.45	
GC22-0389-018	1.28	
GC22-0356-010	1.34	
GC22-0336-018	1.03	
GC22-0336-001	1.58	
GC22-0351-014	0.47	
1320055055	1.31	
1313007416	2.44	
1320057209	1.07	
1320055123	1.55	
1320057003	1.43	
1320057025	1.23	
1320057182	3.64	
GC22-0347-018	2.16	
GC22-0355-008	4.04	
1320057112	1.67	
1313007059	2.31	
1320055009	1.04	
1313007082	0.19	
1320055132	2.19	
1320057169	0.99	
1320055043	1.69	4.90
1320057158	2.33	
F011866		
F011890		
GC22-5054-010	0.38	
GC22-0465-009FD	2.85	
GC22-0639-001	2.07	
GC22-0666-012	0.56	
1320056090	0.85	
GC22-0337-001	1.05	
GC22-5062-003	0.46	
1320056168	1.44	
1320056631	0.19	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1320056816	2.03	
1320056001	1.03	
1313009055	1.46	
1320056772	0.69	
1313007017	2.01	
1313009059	1.90	
1320056673	0.61	
1320056793	1.40	
1313009014	1.47	
1313009079	3.21	
1313009001	1.70	
1320056719	0.93	
GC22-0330-012	2.75	
1320056776	1.70	
F011941		
F011938		
1320059031	2.40	
GC22-5133-001	0.60	
GC22-0368-009FD	2.45	
1320059196	0.57	
1320059130	0.09	
1320059161	0.03	
GC22-5135-007	1.91	
1320059028	0.75	
GC22-5128-001	1.83	
1320059120	0.56	
GC22-5134-001	0.64	
GC22-5144-002	1.41	
GC22-5138-003	1.44	
GC22-0522-010	3.52	
GC22-5153-002	1.28	
1320059043	1.83	
GC22-5136-008	1.87	
GC22-5153-013	2.22	
1320059128	0.16	
F011943		
F011946		
GC22-0366-018	1.79	
1320060026	0.50	
GC22-5154-008	1.92	
1320061400	0.44	
GC22-5155-004	1.99	
GC22-5155-025	1.46	
GC22-2020-009FD	1.57	
1320061389	0.44	
1320061371	0.41	
1320061317	0.48	
1320059059	1.22	
GC22-5148-003	2.24	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-5159-006	1.87	
1320061383	0.39	
GC22-0348-017	0.38	
GC22-5156-009FD	1.13	
GC22-5147-002	2.22	
GC22-0495-021	2.25	
GC22-5146-007	1.87	
GC22-5145-013	1.75	
F011913		
F011942		
GC22-0544-007	0.98	
1320061353	0.51	
GC22-5140-007	1.99	
1320062897	0.42	
GC22-0541-012	2.04	

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas									0.2	< 0.5	68	1060	< 1	21	101	136	6.64	234	27	736	1.1	< 2	0.13
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
GXR-6 Meas									0.2	< 0.5	66	1030	2	21	102	131	6.49	231	22	719	1.0	< 2	0.12
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
BaSO4 Meas							41.8																
BaSO4 Cert							41.94																
BaSO4 Meas							41.6																
BaSO4 Cert							41.94																
BaSO4 Meas							41.1																
BaSO4 Cert							41.94																
BaSO4 Meas							40.9																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
BaSO4 Meas							41.1																
BaSO4 Cert							41.94																
BaSO4 Meas							41.6																
BaSO4 Cert							41.94																
BaSO4 Meas							41.3																
BaSO4 Cert							41.94																
BaSO4 Meas							41.6																
BaSO4 Cert							41.94																
BaSO4 Meas							41.8																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
BaSO4 Meas							40.6																
BaSO4 Cert							41.94																
BaSO4 Meas							41.8																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
BaSO4 Meas							40.4																
BaSO4 Cert							41.94																
BaSO4 Meas							39.9																
BaSO4 Cert							41.94																
BaSO4 Meas							42.2																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
OREAS 98 (Aqua Regia) Meas									42.3		> 10000				272	1280						33	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
OREAS 98 (Aqua Regia) Meas									42.5		> 10000				275	1320						50	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
OREAS 98 (Aqua Regia) Meas									43.7		> 10000				290	1340						47	

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
RTS-3a Meas							29.5																
RTS-3a Cert							29.90																
RTS-3a Meas							29.0																
RTS-3a Cert							29.90																
RTS-3a Meas							28.8																
RTS-3a Cert							29.90																
RTS-3a Meas							29.1																
RTS-3a Cert							29.90																
RTS-3a Meas							29.8																
RTS-3a Cert							29.90																
RTS-3a Meas							28.9																
RTS-3a Cert							29.90																
RTS-3a Meas							29.3																
RTS-3a Cert							29.90																
RTS-3a Meas							28.5																
RTS-3a Cert							29.90																
RTS-3a Meas							29.6																
RTS-3a Cert							29.90																
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
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GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SiO2 Cert																							
SiO2 Meas							0.07																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas			8.53																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.53																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.53																				
NBM-1 (slight fzz) Cert			8.53																				
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2110	740	< 1	33	60	267	2.57	5		69	0.9	7	0.35
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.6	< 0.5	2230	766	< 1	34	65	276	2.74	5		75	0.9	7	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2390	797	< 1	35	58	260	2.93	7		72	0.8	8	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.9	< 0.5	2380	802	< 1	36	57	263	2.88	4		69	0.8	11	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.9	< 0.5	2410	814	< 1	37	62	267	2.96	4		72	0.8	8	0.37
OREAS 922									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas									1.3	< 0.5	4050	815	< 1	28	86	327	2.52	7		55	0.7	19	0.33
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.4	< 0.5	4240	859	< 1	30	88	358	2.72	3		59	0.8	14	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									4.4	< 0.5	4680	902	< 1	33	86	339	2.92	7		57	0.7	15	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.5	< 0.5	4890	942	< 1	34	90	357	3.00	7		58	0.7	14	0.37
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									3.7	< 0.5	4850	941	< 1	34	87	360	3.02	4		57	0.7	16	0.37
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
Oreas 96 (Aqua Regia) Meas									10.8		> 10000				89	420						8	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.7		> 10000				87	407						< 2	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									11.6		> 10000				88	431						20	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									11.6		> 10000				89	447						32	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									11.7		> 10000				94	452						20	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas								3030															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								2960															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3000															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3050															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3050															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3030															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3110															
OREAS 238 (Fire Assay) Cert								3030															
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
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GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas								500															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire								503															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								515															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								505															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								507															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								503															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								494															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								524															
Oreas E1336 (Fire Assay) Cert								510.000															
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
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GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									42.4	156	1920	460	7	15	> 5000	> 10000	1.28	50		23	0.7	< 2	1.24
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 620 (Aqua Regia) Meas									41.8	154	1880	459	7	14	> 5000	> 10000	1.22	49		16	0.7	< 2	1.23
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									42.4	179	1920	451	7	17	> 5000	> 10000	1.26	50		< 10	0.7	4	1.25
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
GC22-0413-002 Orig		-67.3		19.5	0.224	86.80																	
GC22-0413-002 Dup		-67.8		19.0	0.219	86.80																	
1313010008 Orig																							
1313010008 Dup																							
1319060338 Orig							1.08																
1319060338 Dup							1.07																
GC22-0365-013 Orig									11.7	3.1	694	626	1	17	79	884	1.27	288	17	17	< 0.5	6	0.31
GC22-0365-013 Dup									11.4	3.0	719	637	1	15	82	890	1.30	295	17	18	< 0.5	5	0.31
GC22-0362-006 Orig							0.46																
GC22-0362-006 Dup							0.40																
1319060329 Orig																							
1319060329 Dup																							
GC22-0495-008 Orig									2.4	1.7	176	1060	< 1	66	< 2	473	4.32	16	25	43	< 0.5	< 2	3.66
GC22-0495-008 Dup									2.2	1.6	172	1060	< 1	65	< 2	451	4.28	14	28	44	< 0.5	< 2	3.92
GC22-0348-010 Orig								371															
GC22-0348-010 Dup								380															
GC22-2022-001 Orig																							
GC22-2022-001 Dup																							
1313008094 Orig							0.47																
1313008094 Dup							0.48																
1320059117 Orig								100															
1320059117 Dup								99															
GC22-0474-007 Orig							0.49																
GC22-0474-007 Dup							0.55																
1321081041 Orig																							
1321081041 Dup																							
1313003009 Orig	None	-10.7		8.99	0.456	19.70																	
1313003009 Dup	None	-11.5		8.23	0.418	19.70																	
GC22-2030-013 Orig									0.4	< 0.5	45	370	< 1	9	2	78	2.75	14	29	39	< 0.5	< 2	0.85
GC22-2030-013 Dup									0.4	< 0.5	42	365	< 1	8	< 2	78	2.70	13	28	34	< 0.5	< 2	0.83

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0475-002 Orig								401															
GC22-0475-002 Dup								410															
GC22-0326-006 Orig																							
GC22-0326-006 Dup																							
1313003047 Orig							0.36																
1313003047 Dup							0.38																
GC22-0329-009 Orig								134															
GC22-0329-009 Dup								129															
1320056693 Orig		16.5		43.9	1.60	27.39																	
1320056693 Dup		16.1		43.5	1.59	27.39																	
GC22-0400-001 Orig							0.55		0.6	2.3	73	1060	< 1	15	3	645	1.49	14	30	49	< 0.5	2	2.46
GC22-0400-001 Dup							0.54		0.5	2.3	84	1110	< 1	17	2	654	1.58	15	26	49	< 0.5	< 2	2.59
GC22-0390-001 Orig			8.98																				
GC22-0390-001 Dup			8.97																				
GC22-0391-018 Orig																							
GC22-0391-018 Dup																							
1313007126 Orig								10															
1313007126 Dup								9															
GC22-0396-001 Orig							0.51		< 0.2	< 0.5	16	801	< 1	22	2	90	2.18	11	29	43	< 0.5	< 2	2.21
GC22-0396-001 Dup							0.50		< 0.2	< 0.5	16	789	< 1	21	< 2	98	2.11	10	29	41	< 0.5	< 2	2.14
GC22-0386-015 Orig								29															
GC22-0386-015 Dup								30															
1320060179 Orig							0.58																
1320060179 Dup							0.59																
1432026039 Orig									2.0	< 0.5	32	546	< 1	13	9	163	1.34	16	31	30	< 0.5	< 2	1.09
1432026039 Dup									2.1	< 0.5	37	566	< 1	15	12	187	1.39	20	29	31	< 0.5	< 2	1.14
1432026059 Orig	None	-16.6		20.4	0.551	36.93																	
1432026059 Dup	None	-16.0		20.9	0.566	36.93																	
1320060189 Orig								64															
1320060189 Dup								59															
1432026170 Orig																							
1432026170 Dup																							
GC22-0536-003 Orig							0.92																
GC22-0536-003 Dup							0.95																
1432026081 Orig								163															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1432026081 Dup								155															
GC22-5050-025 Orig																							
GC22-5050-025 Dup																							
GC22-0350-014 Orig									< 0.2	< 0.5	23	1520	< 1	18	< 2	183	3.17	4	29	< 10	< 0.5	< 2	4.17
GC22-0350-014 Dup									< 0.2	< 0.5	23	1510	< 1	20	< 2	175	3.18	5	30	< 10	< 0.5	< 2	4.10
GC22-0389-018 Orig							1.01																
GC22-0389-018 Dup							0.99																
1320057209 Orig								254															
1320057209 Dup								268															
1320055123 Orig																							
1320055123 Dup																							
GC22-0355-008 Orig							2.33		1.7	1.8	122	1760	1	4	4	582	3.41	38	29	26	< 0.5	< 2	3.23
GC22-0355-008 Dup							2.42		1.7	1.7	120	1740	1	4	< 2	570	3.37	40	29	18	< 0.5	< 2	3.14
1320057169 Orig																							
1320057169 Dup																							
1320055043 Orig																							
1320055043 Dup																							
GC22-5054-010 Orig							0.11																
GC22-5054-010 Dup							0.11																
1320056090 Orig									0.6	< 0.5	25	538	1	11	16	151	1.82	36	29	18	< 0.5	< 2	0.64
1320056090 Dup									0.4	< 0.5	23	549	< 1	11	15	154	1.84	35	29	19	< 0.5	< 2	0.65
1320056168 Orig																							
1320056168 Dup																							
1320056816 Orig	Slight	-7.63		49.6	0.867	57.23		198															
1320056816 Dup	Slight	-7.91		49.3	0.862	57.23		207															
1313009055 Orig			8.59																				
1313009055 Dup			8.55																				
1313007017 Orig							0.43																
1313007017 Dup							0.45																
1313009079 Orig									1.0	1.8	133	571	< 1	16	4	558	1.90	23	24	25	< 0.5	5	1.44
1313009079 Dup									1.3	1.7	148	593	< 1	15	8	575	1.96	23	29	28	< 0.5	5	1.49
1313009001 Orig								101															
1313009001 Dup								91															
1320056776 Orig							0.82																
1320056776 Dup							0.83																
1320059161 Orig																							
1320059161 Dup																							
GC22-5138-003 Orig							0.53																
GC22-5138-003 Dup							0.56																
GC22-5136-008								299															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Orig																							
GC22-5136-008 Dup								219															
1320059128 Orig									< 0.2	< 0.5	23	361	< 1	23	5	131	1.56	< 2	30	38	< 0.5	< 2	1.15
1320059128 Dup									< 0.2	< 0.5	22	350	< 1	25	< 2	129	1.50	< 2	30	36	< 0.5	< 2	1.11
GC22-5154-008 Orig							0.45																
GC22-5154-008 Dup							0.46																
1320061389 Orig																							
1320061389 Dup																							
1320059059 Orig								36															
1320059059 Dup								34															
1320061383 Orig	Slight	24.3		32.9	3.82	8.62			0.2	< 0.5	33	391	< 1	9	3	66	1.29	6	30	51	< 0.5	< 2	1.39
1320061383 Dup	Slight	24.0		32.6	3.78	8.62			< 0.2	< 0.5	32	371	< 1	8	3	60	1.23	6	29	49	< 0.5	< 2	1.30
GC22-5156-009FD Orig							0.36																
GC22-5156-009FD Dup							0.36																
GC22-5146-007 Orig																							
GC22-5146-007 Dup																							
GC22-5145-013 Orig																							
GC22-5145-013 Dup																							
GC22-5140-007 Orig								369															
GC22-5140-007 Dup								414															
1320062897 Orig			9.58																				
1320062897 Dup			9.59																				
GC22-0541-012 Orig	None	1.21		59.1	1.02	57.90	0.58																
GC22-0541-012 Dup	None	1.28		59.2	1.02	57.88	0.58																
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	45	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	43	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	42	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	38	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	41	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	42	< 10	< 0.5	< 2	< 0.01

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank																							
Method Blank																							
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	57	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	35	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	34	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	45	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	41	< 10	< 0.5	< 2	< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GXR-6 Meas	14	78	5.50	20	< 1	0.98	10	0.37	0.058	0.034	0.02	5	21	30		< 1	< 2	< 10	155	< 10	5	11	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	14	76	5.38	20	< 1	0.95	10	0.36	0.056	0.033	0.01	6	20	28		< 1	< 2	< 10	151	< 10	5	12	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas	113											14											
OREAS 98 (Aqua Regia) Cert	111											15											
OREAS 98 (Aqua Regia) Meas	114											15											
OREAS 98 (Aqua Regia) Cert	111											15											
OREAS 98 (Aqua Regia) Meas	118											19											
OREAS 98 (Aqua Regia) Cert	111											15											

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
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RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																							1.08
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.08
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	19	42	4.94	< 10		0.37	37	1.22	0.020	0.061	0.37	3	3	16			< 2	< 10	30	< 10	16	21	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	44	5.22	< 10		0.39	37	1.28	0.019	0.063	0.36	4	4	16			< 2	< 10	31	< 10	16	15	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	19	43	5.33	< 10		0.39	35	1.30	0.022	0.064	0.38	< 2	4	16			< 2	< 10	32	< 10	16	5	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	19	43	5.31	< 10		0.37	34	1.30	0.020	0.064	0.38	< 2	4	16			< 2	< 10	32	< 10	16	6	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	44	5.35	< 10		0.38	35	1.31	0.021	0.064	0.38	3	4	16			< 2	< 10	33	< 10	16	9	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	21	37	5.44	< 10		0.30	34	1.25		0.056	0.61	3	3	14			< 2	< 10	28	< 10	14	23	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
OREAS 923 (AQUA REGIA) Meas	22	40	5.88	< 10		0.33	34	1.35		0.060	0.66	3	3	14			< 2	< 10	30	< 10	15	19	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	40	5.98	< 10		0.32	32	1.38		0.061	0.68	2	3	14			< 2	< 10	32	< 10	15	10	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	23	42	6.24	< 10		0.32	33	1.44		0.064	0.72	3	4	15			< 2	< 10	33	< 10	15	8	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	23	42	6.18	< 10		0.33	33	1.44		0.063	0.71	3	4	15			< 2	< 10	33	< 10	15	10	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas	45										3.65	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	44										3.47	4											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	47										4.13	5											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	49										4.29	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	50										4.22	7											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
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Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							8.07
GS317-5 Cert																							8.46
GS317-5 Meas																							8.22
GS317-5 Cert																							8.46
GS317-5 Meas																							8.19
GS317-5 Cert																							8.46
GS317-5 Meas																							8.07
GS317-5 Cert																							8.46
GS317-5 Meas																							8.35
GS317-5 Cert																							8.46
GS317-5 Meas																							8.38
GS317-5 Cert																							8.46
GS317-5 Meas																							8.12
GS317-5 Cert																							8.46
GS317-5 Meas																							8.06
GS317-5 Cert																							8.46
GS317-5 Meas																							8.39
GS317-5 Cert																							8.46
GS317-5 Meas																							8.46
GS317-5 Cert																							8.46
GS317-5 Meas																							8.18
GS317-5 Cert																							8.46
Oreas 620 (Aqua Regia) Meas	13	16	2.69	< 10	2	0.28	26	0.27	0.123	0.032	2.63	61		20			< 2	< 10	9	< 10	7	35	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	13	18	2.64	< 10	2	0.27	25	0.26	0.119	0.031	2.59	53		19			< 2	< 10	8	< 10	6	33	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	21	2.67	< 10	3	0.27	25	0.26	0.123	0.030	2.58	63		19			< 2	< 10	8	< 10	7	28	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
GC22-0413-002 Orig																							
GC22-0413-002 Dup																							
1313010008 Orig																							0.76
1313010008 Dup																							0.74
1319060338 Orig																							0.16

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1319060338 Dup																							0.16
GC22-0365-013 Orig	12	14	6.24	< 10	< 1	0.20	29	1.01	0.017	0.062	6.34	4	1	7	< 0.01	< 1	< 2	< 10	11	< 10	3	43	
GC22-0365-013 Dup	12	15	6.44	< 10	< 1	0.20	30	1.03	0.018	0.064	6.42	4	1	7	< 0.01	< 1	< 2	< 10	12	< 10	3	44	
GC22-0362-006 Orig																							
GC22-0362-006 Dup																							
1319060329 Orig																							0.60
1319060329 Dup																							0.60
GC22-0495-008 Orig	35	142	8.77	10	1	0.23	< 10	2.71	0.122	0.044	2.03	5	9	36	0.16	4	< 2	< 10	252	< 10	6	3	
GC22-0495-008 Dup	34	141	8.67	10	3	0.23	< 10	2.68	0.126	0.043	2.06	4	9	36	0.17	3	< 2	< 10	248	< 10	6	3	
GC22-0348-010 Orig																							
GC22-0348-010 Dup																							
GC22-2022-001 Orig																							1.50
GC22-2022-001 Dup																							1.53
1313008094 Orig																							
1313008094 Dup																							
1320059117 Orig																							
1320059117 Dup																							
GC22-0474-007 Orig																							
GC22-0474-007 Dup																							
1321081041 Orig																							1.03
1321081041 Dup																							1.04
1313003009 Orig																							
1313003009 Dup																							
GC22-2030-013 Orig	8	8	3.09	< 10	< 1	0.16	14	1.68	0.172	0.042	2.05	< 2	1	112	< 0.01	< 1	< 2	< 10	14	< 10	2	14	
GC22-2030-013 Dup	8	7	3.00	< 10	< 1	0.16	14	1.65	0.169	0.040	1.99	< 2	1	111	< 0.01	< 1	< 2	< 10	13	< 10	2	13	
GC22-0475-002 Orig																							
GC22-0475-002 Dup																							
GC22-0326-006 Orig																							0.51
GC22-0326-006 Dup																							0.53
1313003047 Orig																							
1313003047 Dup																							
GC22-0329-009 Orig																							
GC22-0329-009 Dup																							
1320056693 Orig																							
1320056693 Dup																							
GC22-0400-001	9	8	2.64	< 10	< 1	0.18	18	1.16	0.105	0.050	1.22	2	1	57	0.02	< 1	< 2	< 10	12	< 10	3	7	1.20

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Orig																							
GC22-0400-001 Dup	10	8	2.80	< 10	< 1	0.19	19	1.22	0.110	0.053	1.32	3	1	60	0.02	< 1	< 2	< 10	12	< 10	3	5	1.20
GC22-0390-001 Orig																							
GC22-0390-001 Dup																							
GC22-0391-018 Orig																							1.62
GC22-0391-018 Dup																							1.62
1313007126 Orig																							
1313007126 Dup																							
GC22-0396-001 Orig	15	17	3.88	< 10	< 1	0.13	13	1.38	0.147	0.050	1.48	3	3	55	0.03	< 1	< 2	< 10	52	< 10	4	8	
GC22-0396-001 Dup	15	16	3.81	< 10	< 1	0.13	13	1.34	0.145	0.048	1.47	3	3	54	0.03	< 1	< 2	< 10	51	< 10	4	8	
GC22-0386-015 Orig																							0.46
GC22-0386-015 Dup																							0.47
1320060179 Orig																							
1320060179 Dup																							
1432026039 Orig	11	10	2.42	< 10	< 1	0.12	< 10	0.83	0.053	0.040	1.76	< 2	1	36	0.03	< 1	< 2	< 10	17	< 10	2	7	
1432026039 Dup	11	10	2.49	< 10	< 1	0.12	< 10	0.87	0.054	0.042	1.82	2	1	37	0.03	2	< 2	< 10	18	< 10	2	8	
1432026059 Orig																							
1432026059 Dup																							
1320060189 Orig																							
1320060189 Dup																							
1432026170 Orig																							0.23
1432026170 Dup																							0.23
GC22-0536-003 Orig																							
GC22-0536-003 Dup																							
1432026081 Orig																							
1432026081 Dup																							
GC22-5050-025 Orig																							0.13
GC22-5050-025 Dup																							0.12
GC22-0350-014 Orig	37	3	11.0	10	3	0.02	< 10	2.76	0.019	0.053	0.42	3	11	32	0.14	< 1	< 2	< 10	470	< 10	4	3	
GC22-0350-014 Dup	38	3	11.1	10	2	0.02	< 10	2.75	0.019	0.053	0.41	3	11	32	0.15	< 1	< 2	< 10	489	< 10	4	3	
GC22-0389-018 Orig																							
GC22-0389-018 Dup																							
1320057209 Orig																							
1320057209 Dup																							
1320055123 Orig																							0.67
1320055123 Dup																							0.67
GC22-0355-008 Orig	37	6	11.0	10	< 1	0.30	< 10	2.14	0.056	0.113	4.11	5	19	50	0.17	< 1	< 2	< 10	164	< 10	12	6	
GC22-0355-008	36	6	10.9	10	< 1	0.30	< 10	2.12	0.058	0.114	4.03	3	19	49	0.16	< 1	< 2	< 10	156	< 10	13	6	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Dup																							
1320057169 Orig																							0.41
1320057169 Dup																							0.40
1320055043 Orig																							
1320055043 Dup																							
GC22-5054-010 Orig																							
GC22-5054-010 Dup																							
1320056090 Orig	10	5	2.04	< 10	< 1	0.10	17	0.61	0.053	0.050	0.96	< 2	< 1	32	< 0.01	< 1	< 2	< 10	8	< 10	2	2	
1320056090 Dup	10	6	2.01	< 10	< 1	0.11	17	0.61	0.054	0.052	0.94	< 2	< 1	33	< 0.01	< 1	< 2	< 10	8	< 10	2	6	
1320056168 Orig																							0.43
1320056168 Dup																							0.43
1320056816 Orig																							
1320056816 Dup																							
1313009055 Orig																							
1313009055 Dup																							
1313007017 Orig																							
1313007017 Dup																							
1313009079 Orig	16	9	4.29	< 10	< 1	0.10	27	1.61	0.026	0.058	3.12	3	2	47	< 0.01	< 1	< 2	< 10	18	< 10	4	14	0.49
1313009079 Dup	17	9	4.46	< 10	2	0.11	28	1.68	0.028	0.060	3.24	2	2	49	< 0.01	< 1	< 2	< 10	19	< 10	4	15	0.48
1313009001 Orig																							
1313009001 Dup																							
1320056776 Orig																							
1320056776 Dup																							
1320059161 Orig																							0.40
1320059161 Dup																							0.59
GC22-5138-003 Orig																							
GC22-5138-003 Dup																							
GC22-5136-008 Orig																							0.15
GC22-5136-008 Dup																							0.15
1320059128 Orig	9	35	1.92	< 10	1	0.16	14	0.75	0.069	0.042	0.13	< 2	2	44	0.06	< 1	< 2	< 10	18	< 10	2	6	
1320059128 Dup	9	34	1.87	< 10	< 1	0.16	14	0.73	0.067	0.040	0.13	< 2	2	42	0.06	< 1	< 2	< 10	18	< 10	2	6	
GC22-5154-008 Orig																							
GC22-5154-008 Dup																							
1320061389 Orig																							0.49
1320061389 Dup																							0.50
1320059059 Orig																							
1320059059 Dup																							
1320061383 Orig	8	9	2.05	< 10	< 1	0.20	14	0.72	0.047	0.041	0.37	< 2	2	26	0.06	< 1	< 2	< 10	18	< 10	3	7	
1320061383 Dup	8	9	1.94	< 10	< 1	0.19	13	0.68	0.045	0.040	0.34	< 2	2	24	0.06	< 1	< 2	< 10	17	< 10	3	7	
GC22-5156-009FD Orig																							
GC22-5156-009FD Dup																							
GC22-5146-007 Orig																							0.93
GC22-5146-007																							0.94

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Dup																							
GC22-5145-013 Orig																							0.48
GC22-5145-013 Dup																							0.50
GC22-5140-007 Orig																							
GC22-5140-007 Dup																							
1320062897 Orig																							
1320062897 Dup																							
GC22-0541-012 Orig																							
GC22-0541-012 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GXR-6 Meas		
GXR-6 Cert		
GXR-6 Meas		
GXR-6 Cert		
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.4	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas	0.50	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.01	
SiO2 Cert		
SiO2 Meas	0.02	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.02	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.95
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.36	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.36	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
OREAS 257b (Fire Assay) Meas		15.0
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	15.1	
GS317-5 Cert	15.5	
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.4	
GS317-5 Cert	15.5	
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	15.5	
GS317-5 Cert	15.5	
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.4	
GS317-5 Cert	15.5	
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
GC22-0413-002		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Orig		
GC22-0413-002 Dup		
1313010008 Orig	1.82	
1313010008 Dup	1.83	
1319060338 Orig	3.03	
1319060338 Dup	3.03	
GC22-0365-013 Orig		
GC22-0365-013 Dup		
GC22-0362-006 Orig		
GC22-0362-006 Dup		
1319060329 Orig	2.66	
1319060329 Dup	2.67	
GC22-0495-008 Orig		
GC22-0495-008 Dup		
GC22-0348-010 Orig		
GC22-0348-010 Dup		
GC22-2022-001 Orig	1.31	
GC22-2022-001 Dup	1.31	
1313008094 Orig		
1313008094 Dup		
1320059117 Orig		
1320059117 Dup		
GC22-0474-007 Orig		
GC22-0474-007 Dup		
1321081041 Orig	3.67	
1321081041 Dup	3.59	
1313003009 Orig		
1313003009 Dup		
GC22-2030-013 Orig		
GC22-2030-013 Dup		
GC22-0475-002 Orig		
GC22-0475-002 Dup		
GC22-0326-006 Orig	0.27	
GC22-0326-006 Dup	0.27	
1313003047 Orig		
1313003047 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0329-009 Orig		
GC22-0329-009 Dup		
1320056693 Orig		
1320056693 Dup		
GC22-0400-001 Orig	1.25	
GC22-0400-001 Dup	1.25	
GC22-0390-001 Orig		
GC22-0390-001 Dup		
GC22-0391-018 Orig	1.33	
GC22-0391-018 Dup	1.31	
1313007126 Orig		
1313007126 Dup		
GC22-0396-001 Orig		
GC22-0396-001 Dup		
GC22-0386-015 Orig	1.62	
GC22-0386-015 Dup	1.62	
1320060179 Orig		
1320060179 Dup		
1432026039 Orig		
1432026039 Dup		
1432026059 Orig		
1432026059 Dup		
1320060189 Orig		
1320060189 Dup		
1432026170 Orig	1.42	
1432026170 Dup	1.42	
GC22-0536-003 Orig		
GC22-0536-003 Dup		
1432026081 Orig		
1432026081 Dup		
GC22-5050-025 Orig	1.15	
GC22-5050-025 Dup	1.13	
GC22-0350-014 Orig		
GC22-0350-014 Dup		
GC22-0389-018 Orig		
GC22-0389-018		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Dup		
1320057209 Orig		
1320057209 Dup		
1320055123 Orig	1.55	
1320055123 Dup	1.55	
GC22-0355-008 Orig		
GC22-0355-008 Dup		
1320057169 Orig	0.99	
1320057169 Dup	1.02	
1320055043 Orig		4.90
1320055043 Dup		5.63
GC22-5054-010 Orig		
GC22-5054-010 Dup		
1320056090 Orig		
1320056090 Dup		
1320056168 Orig	1.44	
1320056168 Dup	1.45	
1320056816 Orig		
1320056816 Dup		
1313009055 Orig		
1313009055 Dup		
1313007017 Orig		
1313007017 Dup		
1313009079 Orig	3.21	
1313009079 Dup	3.26	
1313009001 Orig		
1313009001 Dup		
1320056776 Orig		
1320056776 Dup		
1320059161 Orig	0.03	
1320059161 Dup	0.15	
GC22-5138-003 Orig		
GC22-5138-003 Dup		
GC22-5136-008 Orig	1.87	
GC22-5136-008 Dup	1.97	
1320059128 Orig		
1320059128 Dup		
GC22-5154-008 Orig		
GC22-5154-008 Dup		
1320061389 Orig	0.44	
1320061389 Dup	0.46	
1320059059 Orig		
1320059059 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1320061383 Orig		
1320061383 Dup		
GC22-5156-009FD Orig		
GC22-5156-009FD Dup		
GC22-5146-007 Orig	1.87	
GC22-5146-007 Dup	1.99	
GC22-5145-013 Orig	1.75	
GC22-5145-013 Dup	1.81	
GC22-5140-007 Orig		
GC22-5140-007 Dup		
1320062897 Orig		
1320062897 Dup		
GC22-0541-012 Orig		
GC22-0541-012 Dup		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
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Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Report No.: **A22-14610**
Report Date: **23-Mar-23**
Date Submitted: **07-Oct-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9 Canada
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

212 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-02-01 21:28:15
4F-C, S	Infrared	2023-01-24 20:54:30

REPORT **A22-14610**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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

Report No.: **A22-14610**
Report Date: **23-Mar-23**
Date Submitted: **07-Oct-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9 Canada
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

212 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-11-22 12:37:46
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-11-23 19:53:27

REPORT **A22-14610**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

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Quality Control Coordinator

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Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0545-016	114	Slight	34.6	9.16	74.2	1.87	39.66	0.37	0.6	< 0.5	29	1200	< 1	7	27	156	1.08	55	21	23	< 0.5	< 2	1.79
1320062831	10	Slight	42.8	9.57	42.9	275	< 0.31		< 0.2	< 0.5	12	469	< 1	7	< 2	96	1.09	4	27	39	< 0.5	< 2	1.39
GC22-5149-013	311	None	-7.34	8.86	37.8	0.837	45.19		6.2	0.9	16	649	< 1	8	25	195	1.38	39	22	24	< 0.5	< 2	1.03
GC22-0532-010	74	None	-0.136	8.75	36.8	0.996	36.92		0.7	0.6	25	1100	1	32	< 2	204	1.41	22	23	41	< 0.5	< 2	0.87
1320059846	20	Slight	42.7	9.06	62.4	3.16	19.75		0.2	1.4	55	873	< 1	12	3	389	1.54	9	31	52	< 0.5	< 2	2.22
1320059834	147	Slight	32.8	9.30	54.2	2.53	21.41		< 0.2	0.6	24	990	< 1	14	8	198	1.49	9	30	66	< 0.5	< 2	1.99
1320059160	21	Slight	45.1	9.33	46.9	25.4	1.85		< 0.2	< 0.5	79	456	< 1	261	< 2	43	1.59	4	30	85	< 0.5	< 2	1.94
1320060199	75	Slight	23.8	9.24	48.2	1.98	24.35		0.3	< 0.5	16	849	< 1	9	16	204	1.86	18	30	56	< 0.5	< 2	1.88
1320062898	18	Slight	27.5	9.20	41.4	2.96	13.99		< 0.2	2.5	21	495	< 1	10	6	615	1.33	6	26	57	< 0.5	< 2	1.44
1320060134	67	Slight	39.1	9.26	56.0	3.32	16.90		0.4	0.7	12	813	< 1	11	4	222	1.29	9	27	77	< 0.5	< 2	1.92
1320060114	161	Slight	28.4	9.27	47.5	2.48	19.11		1.0	2.1	22	894	< 1	11	7	596	1.61	7	28	70	< 0.5	< 2	1.75
1320059857	27	None	67.0	9.38	68.9	36.5	1.89		< 0.2	< 0.5	183	566	< 1	386	4	29	2.05	6	28	126	< 0.5	< 2	2.00
1320060147	6	Slight	39.2	9.23	50.2	4.58	10.96		< 0.2	< 0.5	2	624	< 1	20	< 2	104	1.69	< 2	28	111	< 0.5	< 2	1.81
GC22-0527-006	107	None	-61.8	8.39	36.6	0.372	98.39		1.5	0.7	38	1780	< 1	47	4	375	3.16	31	27	15	< 0.5	< 2	0.91
1320060124	61	Slight	0.186	8.60	41.6	1.00	41.38		0.4	< 0.5	88	1180	< 1	48	4	223	3.11	8	30	34	< 0.5	< 2	1.96
GC22-0529-001	431	Slight	80.3	8.65	114	3.37	33.92		2.9	1.1	137	2220	2	46	3	230	1.93	15	33	29	< 0.5	< 2	3.31
1320062864	11	Slight	48.8	9.52	50.2	33.8	1.49		< 0.2	< 0.5	18	507	< 1	10	4	81	1.18	5	27	47	< 0.5	< 2	1.57
1320059823	9	Moderate	60.4	8.94	89.6	3.07	29.13		< 0.2	< 0.5	41	906	< 1	23	5	113	1.80	6	27	58	< 0.5	< 2	2.70
1320062833	132	Slight	32.5	9.54	39.5	5.63	7.01		0.3	< 0.5	36	492	< 1	6	5	63	1.27	7	30	59	< 0.5	< 2	1.37
GC22-0547-011	185	Slight	34.8	9.12	67.3	2.07	32.57		1.8	1.8	19	1140	< 1	10	2	448	2.14	10	19	39	< 0.5	< 2	2.07
GC22-0531-004	1160	None	-6.27	8.90	21.0	0.770	27.26		1.1	1.4	50	601	< 1	23	13	333	1.73	36	30	48	< 0.5	< 2	0.94
GC22-0344-010	144	Slight	-9.93	8.55	46.2	0.823	56.15		0.8	< 0.5	7	786	1	19	2	80	2.37	22	25	38	< 0.5	< 2	1.80
GC22-0533-006	100	Slight	22.9	8.75	76.1	1.43	53.20	1.17	4.3	4.5	95	1950	< 1	47	3	1510	2.64	27	21	35	< 0.5	3	1.69
F011850	> 5000																						
F011852	> 5000																						
1321078109	16	Slight	59.7	9.67	60.0	177	0.34	0.27	< 0.2	< 0.5	33	420	< 1	8	< 2	39	1.26	4	26	52	< 0.5	< 2	1.91
GC22-5063-001	168	None	-53.7	8.45	5.72	0.0964	59.37	0.43	1.0	< 0.5	42	484	< 1	5	3	111	1.40	18	27	37	< 0.5	< 2	0.22
GC22-0321-008	186	None	-50.5	8.40	24.2	0.324	74.65	0.91	0.8	< 0.5	146	563	< 1	8	6	96	3.78	51	23	21	< 0.5	7	1.00
GC22-5106-001	104	None	-28.6	8.98	26.7	0.483	55.37	0.51	< 0.2	< 0.5	23	631	< 1	7	2	106	1.78	24	24	32	< 0.5	3	0.97
GC22-5045-018	65	Slight	3.59	9.11	44.5	1.09	40.87	0.42	< 0.2	< 0.5	37	476	25	9	4	95	1.47	7	27	37	< 0.5	< 2	1.45
GC22-5051-006	526	None	-29.8	8.30	13.1	0.305	42.92	0.48	1.4	< 0.5	816	262	< 1	2	< 2	28	3.34	4	23	42	< 0.5	39	1.43
GC22-5038-001	284	None	-16.7	8.79	15.4	0.480	32.15	0.33	< 0.2	< 0.5	57	202	< 1	8	< 2	25	2.72	10	26	44	< 0.5	< 2	1.25
GC22-0488-006	38	None	-33.3	8.33	11.2	0.252	44.53	0.39	0.4	< 0.5	117	273	14	6	3	38	3.32	5	30	23	< 0.5	< 2	1.20
1321078135	33	Slight	54.1	9.44	65.6	5.72	11.47	0.35	< 0.2	< 0.5	24	499	< 1	10	< 2	46	1.48	8	28	56	< 0.5	< 2	2.03
1321081081	56	Moderate	44.6	8.66	71.8	2.64	27.16	1.26	0.5	1.6	101	1200	< 1	36	4	421	3.12	12	32	50	< 0.5	< 2	3.27
GC22-0319-007	50	None	30.3	9.25	46.6	2.87	16.26	0.34	< 0.2	< 0.5	16	477	< 1	1	4	106	1.30	< 2	27	129	< 0.5	< 2	1.65
GC22-0318-013	92	None	-36.4	8.78	11.1	0.234	47.50	0.38	< 0.2	< 0.5	20	276	< 1	7	< 2	49	2.44	10	21	31	< 0.5	3	0.88
GC22-0295-005	406	None	-23.3	8.72	7.73	0.249	31.08	0.24	< 0.2	< 0.5	80	222	1	2	< 2	23	2.62	9	27	31	< 0.5	< 2	0.83
1321081120	75	Moderate	35.5	8.30	92.2	1.62	56.78	2.21	1.0	1.4	115	1770	< 1	69	5	451	3.68	19	24	37	< 0.5	< 2	2.93
1321080044	52	Moderate	117	8.66	144	5.49	26.15	1.15	0.3	< 0.5	76	1420	< 1	42	4	153	3.07	12	25	23	< 0.5	3	4.64
1321078064	42	Slight	39.8	9.39	50.1	4.86	10.31	0.34	0.3	< 0.5	41	457	1	20	3	61	1.34	7	32	90	< 0.5	< 2	1.51
1321081001	42	Moderate	58.6	8.79	96.2	2.56	37.57	1.36	0.5	1.6	52	1680	< 1	43	10	384	3.89	11	29	46	< 0.5	< 2	3.70
1321081079	179	Moderate	-15.5	8.22	67.3	0.813	82.76	2.42	1.6	4.6	112	1810	< 1	52	6	871	3.62	55	28	27	< 0.5	< 2	2.65
GC22-0324-001	321	None	-55.7	8.42	7.23	0.115	62.89	0.47	0.2	< 0.5	191	221	2	5	5	22	2.22	7	22	25	< 0.5	2	0.69

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1321080106	38	Slight	33.1	9.16	49.1	3.07	15.99	0.52	0.4	2.9	59	602	1	6	4	738	1.24	18	30	52	< 0.5	< 2	1.62
1321080730	84	Slight	44.0	9.02	56.9	4.41	12.90	0.40	0.6	< 0.5	72	467	2	9	3	95	1.21	19	26	42	< 0.5	< 2	1.88
F011856	> 5000																						
F011893	> 5000																						
1320057331	670	Slight	-14.7	8.57	55.4	0.790	70.15	0.75	11.1	4.6	68	727	2	8	815	1340	0.50	90	22	26	< 0.5	< 2	1.85
GC22-0463-011	16	None	65.0	9.39	65.6	118	0.56	0.27	< 0.2	< 0.5	21	582	< 1	17	2	87	1.45	3	25	70	< 0.5	< 2	2.04
GC22-2039-012	18	Moderate	116	8.60	140	5.81	24.19	0.76	< 0.2	< 0.5	51	1330	< 1	259	< 2	116	4.90	8	24	13	< 0.5	6	3.57
GC22-2055-001	81	Moderate	58.8	8.56	127	1.86	68.33	1.30	0.6	< 0.5	142	1340	< 1	54	< 2	152	2.96	12	26	22	< 0.5	7	3.13
1313008166	292	None	8.98	8.84	41.8	1.27	32.78	0.48	0.6	2.9	40	919	< 1	11	3	849	3.00	10	28	40	< 0.5	< 2	1.37
GC22-2055-012	172	Moderate	78.5	8.59	108	3.64	29.70	0.86	0.6	< 0.5	92	1790	< 1	238	< 2	175	5.35	23	26	13	< 0.5	4	3.26
GC22-2039-002	33	Moderate	98.6	8.73	117	6.26	18.73	1.05	0.5	< 0.5	280	1450	< 1	67	3	130	3.44	13	25	34	< 0.5	< 2	4.00
GC22-0503-012	26	Moderate	74.1	8.74	87.4	6.56	13.32	0.55	< 0.2	< 0.5	55	1350	< 1	105	< 2	204	3.99	5	25	15	< 0.5	< 2	2.79
1313008220	196	None	-32.4	8.66	13.0	0.286	45.42	0.47	0.2	< 0.5	38	336	< 1	3	< 2	50	1.66	4	25	36	< 0.5	< 2	0.55
1320057001	248	None	-3.57	8.97	33.9	0.905	37.43	0.37	0.4	0.8	18	981	< 1	5	87	228	1.31	43	27	23	< 0.5	< 2	1.65
1320057314	170	Slight	29.3	9.26	43.7	3.03	14.39	0.33	4.1	1.0	23	758	2	16	10	298	2.47	12	30	59	< 0.5	< 2	2.03
1320057354	84	Slight	29.3	8.86	53.6	2.21	24.27	0.73	1.1	< 0.5	66	880	1	24	7	138	2.23	8	30	45	< 0.5	< 2	1.87
1320057027	185	Slight	3.60	8.71	38.7	1.10	35.13	0.41	0.4	< 0.5	45	1010	1	30	29	284	1.91	10	25	40	< 0.5	< 2	1.80
1320057050	12	None	24.3	9.34	25.6	19.0	1.35	0.20	< 0.2	< 0.5	81	398	< 1	344	< 2	50	2.39	< 2	26	32	< 0.5	< 2	1.39
1320057144	18	None	11.9	9.00	24.1	1.97	12.23	0.28	< 0.2	< 0.5	69	600	< 1	23	4	158	1.82	4	31	37	< 0.5	< 2	1.32
1313008625	66	None	-29.3	8.66	17.6	0.376	46.89	0.43	0.4	< 0.5	85	397	< 1	4	< 2	112	1.86	8	26	39	< 0.5	< 2	1.03
1313008605	218	None	-34.3	8.58	13.2	0.278	47.57	0.53	< 0.2	< 0.5	190	300	6	7	< 2	145	2.06	4	29	34	< 0.5	< 2	0.63
1313008621	316	None	-78.0	8.50	11.5	0.128	89.48	0.96	1.0	4.7	294	897	< 1	20	< 2	1300	2.39	17	23	16	< 0.5	3	0.50
1313008128	89	None	-19.8	8.83	12.7	0.391	32.49	0.33	0.6	1.4	53	686	< 1	7	4	388	2.18	12	27	42	< 0.5	< 2	0.91
GC22-0369-001	91	Moderate	-28.0	8.14	70.4	0.715	98.45	1.47	0.6	0.6	86	1030	< 1	10	4	414	2.60	25	28	23	< 0.5	< 2	1.78
GC22-2054-012	265	Moderate	92.7	8.78	139	2.98	46.75	1.06	0.8	< 0.5	129	1710	< 1	111	< 2	164	4.63	31	23	12	< 0.5	< 2	3.57
GC22-2052-001	13	Moderate	106	8.84	122	7.69	15.88	0.82	0.5	< 0.5	239	1670	< 1	51	< 2	146	3.33	5	27	< 10	< 0.5	< 2	3.59
GC22-2042-004	28	Moderate	90.0	8.84	105	7.08	14.80	0.78	< 0.2	< 0.5	46	1440	< 1	143	< 2	115	3.35	7	24	13	< 0.5	3	3.21
GC22-2019-008	18	Moderate	79.1	8.87	81.6	32.1	2.54	0.55	0.4	< 0.5	330	926	< 1	68	< 2	194	3.07	17	26	< 10	< 0.5	< 2	2.99
F011863	1090																						
F011860	1060																						
GC22-5073-008	< 5	None	6.59	9.07	6.97	18.5	0.38	0.15	< 0.2	< 0.5	114	454	< 1	50	< 2	46	5.37	< 2	32	< 10	< 0.5	< 2	2.99
1313007340	< 5	None	10.4	9.03	10.6	67.8	< 0.31	0.21	< 0.2	< 0.5	127	465	< 1	48	< 2	45	5.61	3	36	< 10	< 0.5	< 2	3.19
1313007328	61	None	-40.3	8.65	12.8	0.241	53.15	0.61	< 0.2	< 0.5	53	396	1	7	2	52	2.32	2	28	40	< 0.5	< 2	0.91
1320054193	123	Slight	-18.2	8.75	24.5	0.574	42.72	0.46	0.3	< 0.5	13	661	< 1	8	27	125	1.93	40	26	28	< 0.5	< 2	1.48
GC22-5073-010	< 5	None	10.5	9.03	11.0	25.9	0.42	0.17	< 0.2	< 0.5	154	486	< 1	47	< 2	48	5.53	< 2	32	< 10	< 0.5	< 2	3.21
1320054032	365	Slight	27.6	8.87	71.0	1.63	43.49	0.66	0.8	4.6	48	1660	< 1	5	257	1160	0.50	94	25	31	< 0.5	< 2	2.07
1320054057	44	Slight	11.3	8.71	71.8	1.19	60.55	0.62	1.0	1.9	17	1370	< 1	5	122	536	0.42	153	26	24	< 0.5	< 2	1.85
1313004032	611	None	-49.8	8.27	5.98	0.107	55.75	0.51	0.7	< 0.5	366	155	< 1	1	2	20	2.63	4	22	34	< 0.5	4	1.20
GC22-5069-010	236	None	-16.5	9.01	13.7	0.455	30.23	0.50	0.5	5.7	30	854	< 1	1	4	1490	2.67	18	28	36	< 0.5	< 2	1.23
1313007313	82	None	-75.5	8.35	15.6	0.171	91.13	0.79	0.3	< 0.5	42	345	2	8	6	66	1.97	12	23	23	< 0.5	3	1.00
GC22-0469-012	26	Slight	21.6	9.30	37.3	2.38	15.67	0.29	< 0.2	0.6	33	460	1	2	5	95	1.12	2	25	134	< 0.5	< 2	1.46

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0466-013	98	Slight	9.52	9.28	28.4	1.50	18.89	0.40	< 0.2	< 0.5	16	516	< 1	6	3	82	2.07	4	28	112	< 0.5	< 2	0.98
GC22-5039-013	110	None	-9.92	8.92	12.5	0.557	22.38	0.27	< 0.2	< 0.5	60	265	2	5	5	34	3.05	8	24	31	< 0.5	< 2	1.34
1320054040	311	Slight	7.04	8.96	40.5	1.21	33.45	0.49	< 0.2	2.0	17	1010	< 1	6	51	472	1.33	33	23	24	< 0.5	< 2	1.45
GC22-5077-011	304	None	-162	8.07	10.6	0.0615	172.63	2.52	3.9	36.2	596	850	< 1	35	12	8310	1.93	126	23	14	< 0.5	7	0.37
GC22-5070-008	74	None	-51.5	8.74	8.46	0.141	59.91	0.60	0.3	< 0.5	42	427	< 1	2	< 2	133	1.86	15	24	40	< 0.5	< 2	0.48
GC22-0461-001	189	None	-44.7	8.58	13.5	0.232	58.15	0.78	3.1	0.5	1000	637	2	28	9	211	3.16	45	23	25	< 0.5	6	0.68
GC22-5076-008	208	None	-16.1	9.08	16.2	0.503	32.30	0.43	1.2	0.6	49	884	< 1	7	4	252	3.74	13	23	47	< 0.5	< 2	1.64
GC22-0490-006	1340	None	-116	7.82	4.48	0.0371	120.81	4.59	3.4	134	725	744	< 1	8	10	> 10000	1.75	97	25	16	< 0.5	16	0.22
GC22-5054-003	3050	None	-43.1	8.16	12.9	0.230	55.91	0.55	0.6	< 0.5	615	204	< 1	2	3	28	1.90	16	20	30	< 0.5	10	1.09
GC22-0332-012	169	None	-102	7.84	6.61	0.0608	108.69	1.49	0.9	< 0.5	185	382	1	21	8	69	1.82	62	21	20	< 0.5	7	0.41
1320056417	< 5	None	8.92	8.94	12.6	3.41	3.70	0.23	< 0.2	< 0.5	12	132	< 1	11	2	19	1.72	6	28	13	< 0.5	< 2	0.29
F011884	557																						
F011887	565																						
1320058179	658	None	-24.5	8.83	9.49	0.279	34.01	0.56	1.1	5.3	53	825	< 1	7	81	1690	1.36	25	22	48	< 0.5	< 2	0.91
1313009418	132	Slight	4.92	9.01	38.7	1.15	33.82	0.55	< 0.2	< 0.5	89	394	2	7	9	42	2.00	3	25	34	< 0.5	3	1.72
1313006009	183	None	-52.2	8.52	7.72	0.129	59.91	0.56	0.5	< 0.5	126	322	2	7	11	47	2.17	12	24	28	< 0.5	4	0.87
GC22-0636-010	109	None	-21.4	8.56	8.23	0.278	29.61	0.35	< 0.2	< 0.5	53	490	2	10	< 2	59	2.81	4	24	42	< 0.5	< 2	0.34
1320058074	39	Slight	15.8	9.10	35.0	1.82	19.19	0.43	0.3	< 0.5	28	660	< 1	19	19	167	2.36	5	29	56	< 0.5	< 2	1.73
GC22-0489-001	715	None	-51.2	7.95	8.46	0.142	59.70	0.53	0.3	< 0.5	232	246	< 1	3	< 2	27	2.61	10	26	35	< 0.5	4	0.77
1320058205	391	Slight	7.23	8.66	50.0	1.17	42.75	0.66	1.3	3.2	86	1260	2	10	415	868	1.34	49	27	42	< 0.5	< 2	1.83
1320058061	64	Slight	8.60	8.91	35.2	1.32	26.56	0.58	0.3	0.6	145	804	< 1	28	37	206	3.28	6	31	56	< 0.5	< 2	1.90
GC22-0483-001	1760	None	-70.5	7.73	8.44	0.107	78.93	0.73	0.8	< 0.5	549	219	< 1	2	< 2	29	2.08	14	22	25	< 0.5	22	0.65
GC22-5033-002	456	None	-27.5	8.23	13.5	0.329	40.97	0.47	0.5	< 0.5	225	225	< 1	3	< 2	40	3.00	7	24	44	< 0.5	4	1.41
GC22-5036-010	55	None	-33.3	8.41	13.7	0.292	47.02	0.50	0.6	< 0.5	188	253	17	6	3	33	2.77	8	26	28	< 0.5	< 2	0.91
GC22-0322-001	234	None	-44.6	7.91	7.99	0.152	52.62	0.58	0.4	< 0.5	153	236	< 1	7	6	38	2.95	3	20	30	< 0.5	< 2	1.08
GC22-5049-010	490	None	-85.1	8.50	13.7	0.139	98.86	0.80	1.7	0.5	66	862	1	23	3	274	2.75	38	22	23	< 0.5	3	0.37
1432080073	57	Slight	42.0	9.14	66.5	2.72	24.44	0.39	< 0.2	< 0.5	83	513	3	10	< 2	36	1.17	< 2	21	29	< 0.5	< 2	2.05
1432080143	87	Slight	56.5	9.02	74.4	4.15	17.94	0.55	< 0.2	< 0.5	88	501	5	9	2	33	1.20	< 2	21	45	< 0.5	< 2	2.13
1320058168	680	Slight	-0.558	9.08	21.9	0.975	22.49	0.42	0.7	2.2	36	819	< 1	8	66	687	1.62	21	26	52	< 0.5	< 2	1.08
1432080097	85	Slight	55.9	9.34	85.3	2.90	29.38	0.52	< 0.2	< 0.5	71	543	2	10	< 2	36	1.15	3	19	34	< 0.5	< 2	2.45
1313009432	235	None	-22.2	9.05	3.74	0.144	25.93	0.42	0.5	< 0.5	256	273	13	8	2	73	2.30	7	27	44	< 0.5	< 2	0.71
1320058056	43	Slight	29.1	9.25	33.2	8.01	4.15	0.42	0.5	< 0.5	262	508	< 1	548	< 2	93	2.79	6	27	84	< 0.5	< 2	1.43
1320058079	73	Slight	27.8	9.08	42.2	2.92	14.43	0.53	0.7	< 0.5	382	533	< 1	417	3	70	2.24	11	29	26	< 0.5	< 2	1.97
F011949	1220																						
F011934	1240																						
GC22-5065-017	156	None	-29.9	8.33	12.3	0.292	42.16	0.51	0.3	< 0.5	146	602	< 1	6	6	83	2.66	6	30	46	< 0.5	< 2	1.15
GC22-0636-016	374	None	-58.3	7.61	8.74	0.130	67.01	0.61	0.3	< 0.5	170	183	< 1	4	< 2	21	2.80	8	26	30	< 0.5	< 2	1.13
1432027264	718	Slight	80.5	8.99	133	2.53	52.48	0.58	3.6	2.2	57	1550	1	9	109	487	0.97	49	22	21	< 0.5	< 2	1.59
GC22-0329-019	144	None	-51.1	7.93	11.0	0.177	62.12	0.65	< 0.2	< 0.5	12	434	< 1	7	5	141	3.13	15	25	34	< 0.5	3	1.13
1320061611	24	Slight	30.2	9.57	34.2	8.59	3.98	0.16	< 0.2	< 0.5	28	443	< 1	7	2	162	1.08	4	29	40	< 0.5	< 2	1.36
GC22-0500-011	162	Slight	29.7	9.01	64.9	1.84	35.28	0.56	0.9	0.9	59	846	< 1	9	3	256	1.62	64	21	49	< 0.5	< 2	2.16
1432027334	244	None	3.52	9.03	44.3	1.09	40.82	0.52	5.3	1.3	36	1010	1	18	86	367	1.44	37	26	28	< 0.5	4	1.25
1320060089	44	Slight	27.3	9.30	41.2	2.96	13.91	0.41	0.2	< 0.5	10	626	< 1	10	4	133	1.10	8	31	62	< 0.5	< 2	1.42
GC22-5129-009	564	None	-19.4	9.00	29.1	0.601	48.53	0.48	11.5	1.2	24	674	< 1	10	55	277	1.37	44	25	23	< 0.5	< 2	0.89
1432027269	221	None	-5.06	8.85	46.4	0.902	51.48	0.63	1.1	1.4	59	1030	2	12	50	355	1.37	30	25	36	< 0.5	< 2	1.40
1320062448	100	Slight	30.1	9.39	42.4	3.43	12.36	0.40	1.4	< 0.5	296	433	1	7	7	68	1.24	6	30	53	< 0.5	< 2	1.18
GC22-0483-021	55	None	14.5	8.94	16.9	7.04	2.41	0.25	< 0.2	< 0.5	66	328	2	11	2	36	4.43	3	27	30	< 0.5	< 2	2.04
GC22-5139-008	459	None	8.92	8.90	63.7	1.16	54.78	0.52	3.7	0.8	22	1240	< 1	10	15	205	0.75	22	22	24	< 0.5	< 2	1.40
1320062410	34	Slight	26.3	9.39	38.7	3.12	12.41	0.36	0.2	< 0.5	28	373	< 1	9	3	54	1.17	7	33	54	< 0.5	< 2	1.25

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-5092-026	197	None	-42.8	8.70	11.7	0.215	54.55	0.51	1.0	0.6	34	902	< 1	13	7	267	2.02	52	24	19	< 0.5	< 2	0.38
GC22-0422-002	102	Slight	-15.2	8.91	33.7	0.689	48.96	0.55	3.7	0.6	59	593	< 1	22	118	168	1.87	45	30	22	< 0.5	< 2	1.83
GC22-0496-009FD	870	Slight	-29.6	8.96	36.1	0.550	65.75	0.67	4.8	5.6	106	482	< 1	9	76	1140	0.59	88	23	28	< 0.5	< 2	1.26
1320060131	251	Slight	49.9	9.11	81.8	2.56	31.91	0.47	1.0	2.0	42	1040	< 1	10	48	499	1.47	28	28	43	< 0.5	< 2	2.32
1432027316	244	None	-11.6	8.91	36.3	0.758	47.97	0.51	1.9	< 0.5	40	777	< 1	11	12	137	1.52	56	21	23	< 0.5	< 2	1.50
GC22-5074-022	69	None	-115	7.12	1.75	0.0150	116.90	1.29	0.4	0.5	67	1380	1	41	4	470	3.56	21	25	13	< 0.5	2	0.75
GC22-0376-010	61	None	8.53	9.11	25.0	1.52	16.46	0.40	0.2	< 0.5	23	773	< 1	10	17	107	2.34	27	31	21	< 0.5	< 2	0.91
F011935	329																						
F011937	341																						
GC22-0481-007	154	None	-57.6	8.39	9.83	0.146	67.45	0.87	0.3	4.2	144	778	< 1	13	4	1630	2.54	18	25	25	< 0.5	< 2	0.72
1320054200	12	Slight	38.9	9.46	44.0	8.76	5.02	0.33	< 0.2	< 0.5	13	443	< 1	6	9	92	1.98	6	25	49	< 0.5	< 2	1.23
1320058155	134	None	-25.2	8.74	17.2	0.405	42.45	0.43	0.9	0.9	47	643	2	6	90	268	1.20	55	25	28	< 0.5	< 2	0.83
1320054004	> 5000	Slight	28.0	9.11	67.9	1.70	39.89	0.65	2.9	5.3	69	1410	< 1	5	951	1490	0.43	93	24	40	< 0.5	< 2	1.46
1432080198	59	Moderate	44.3	8.86	96.2	1.85	51.88	0.90	< 0.2	< 0.5	145	322	3	12	< 2	34	0.83	< 2	19	31	< 0.5	< 2	1.91
1320058188	278	Slight	-2.82	8.72	42.7	0.938	45.47	0.38	0.4	1.0	19	977	1	6	88	245	0.83	68	20	25	< 0.5	< 2	1.39
1320054221	7	Slight	40.9	9.51	41.1	263	< 0.31	0.30	< 0.2	< 0.5	10	349	< 1	2	2	96	1.12	< 2	27	51	< 0.5	< 2	1.54
1432080039	57	Slight	33.8	9.00	59.5	2.31	25.70	0.42	< 0.2	< 0.5	69	450	2	13	< 2	51	1.40	2	22	31	< 0.5	< 2	2.05
GC22-5092-001	7	None	10.7	9.03	11.4	16.5	0.69	0.19	< 0.2	< 0.5	115	459	< 1	42	< 2	51	5.53	< 2	33	< 10	< 0.5	< 2	3.08
GC22-5068-009FD	8	None	13.6	9.06	13.7	87.8	< 0.31	0.20	< 0.2	< 0.5	111	425	< 1	38	< 2	42	5.37	< 2	34	< 10	< 0.5	< 2	3.16
GC22-5037-005	278	None	-23.5	8.16	8.47	0.265	31.94	0.38	0.4	< 0.5	174	188	< 1	2	< 2	22	2.46	7	24	48	< 0.5	2	1.10
1432080060	48	Slight	33.0	8.90	68.5	1.93	35.46	0.65	0.2	< 0.5	63	523	3	10	< 2	38	1.12	< 2	24	43	< 0.5	< 2	2.03
1313004053	757	None	-45.8	8.43	10.2	0.182	56.00	0.56	0.3	< 0.5	194	222	< 1	4	2	23	2.24	5	22	27	< 0.5	4	0.76
GC22-0482-013	506	None	-23.6	8.53	11.4	0.326	35.10	0.23	< 0.2	< 0.5	127	198	< 1	3	2	20	2.33	9	20	40	< 0.5	< 2	0.97
GC22-5093-009	289	None	-58.2	8.39	11.9	0.170	70.18	0.84	0.8	1.6	120	917	1	20	5	1090	2.44	21	25	25	< 0.5	< 2	0.72
1432080125	102	Slight	-2.89	8.44	57.3	0.952	60.18	0.77	0.3	< 0.5	168	444	1	15	7	60	1.22	10	19	25	< 0.5	< 2	1.79
1320054170	32	Slight	17.6	9.03	26.5	2.99	8.84	0.29	< 0.2	< 0.5	14	476	< 1	4	13	112	1.91	10	30	40	< 0.5	< 2	1.25
1320058045	57	Slight	19.5	8.85	33.9	2.35	14.43	0.54	< 0.2	0.5	44	806	< 1	31	12	216	2.86	5	31	62	< 0.5	< 2	2.16
1432080088	19	Slight	29.6	8.78	72.4	1.69	42.83	0.57	0.4	< 0.5	55	393	< 1	8	6	66	1.21	2	19	30	< 0.5	< 2	2.52
1320054011	596	Slight	9.12	8.88	41.7	1.28	32.58	0.50	1.0	4.7	61	1200	< 1	5	256	997	0.89	51	26	18	< 0.5	< 2	1.32
1320054095	110	Slight	34.9	8.79	67.6	2.07	32.70	0.46	0.5	0.8	18	1590	< 1	5	100	269	1.20	49	27	22	< 0.5	< 2	2.13
1320054224	51	Slight	25.5	8.68	60.6	1.73	35.07	1.72	0.7	1.0	99	1380	< 1	45	7	287	3.74	9	30	49	< 0.5	< 2	2.71
F011889	545																						
F011882	536																						
GC22-0308-014	30	Moderate	66.8	8.78	84.9	4.68	18.14	0.84	< 0.2	< 0.5	26	1280	< 1	45	3	81	1.67	3	27	47	< 0.5	< 2	4.16
GC22-5051-023	245	Slight	7.77	8.70	23.7	1.49	15.97	0.53	< 0.2	< 0.5	73	261	< 1	11	< 2	66	2.98	3	28	56	< 0.5	< 2	1.19
GC22-5106-025	335	None	-31.2	8.30	9.21	0.228	40.40	0.41	< 0.2	< 0.5	81	205	< 1	3	< 2	19	2.21	9	23	33	< 0.5	< 2	0.92
1432026151	253	None	-14.5	8.79	38.3	0.725	52.89	0.56	2.7	1.9	47	1050	< 1	9	46	428	0.95	47	22	22	< 0.5	< 2	1.03
GC22-5042-020	1280	None	-16.6	8.55	18.5	0.527	35.03	0.52	1.0	< 0.5	461	256	< 1	< 1	< 2	26	2.14	9	20	33	< 0.5	24	1.10
1432026133	226	None	5.51	8.93	47.3	1.13	41.78	0.52	2.1	0.8	34	757	< 1	11	8	197	1.04	38	24	29	< 0.5	< 2	1.30
1432026116	156	None	-9.96	8.80	38.9	0.796	48.86	0.55	1.5	1.0	43	856	1	12	77	260	0.90	27	25	27	< 0.5	< 2	1.36
1320062801	30	Slight	34.7	9.45	39.3	8.69	4.51	0.38	< 0.2	1.4	30	481	1	7	5	382	1.23	7	31	51	< 0.5	< 2	1.31
GC22-0317-021	2700	None	-69.3	7.61	9.45	0.120	78.78	0.68	0.3	< 0.5	384	203	< 1	2	2	21	1.93	17	22	17	< 0.5	3	0.84
1320062800	157	Slight	31.2	9.37	38.7	5.18	7.48	0.41	0.3	1.2	37	503	< 1	7	5	392	1.27	14	30	66	< 0.5	< 2	1.17
GC22-5054-025	136	None	-51.6	8.21	13.4	0.207	64.99	0.56	0.8	< 0.5	14	295	< 1	7	2	109	1.84	17	25	29	< 0.5	7	0.54
1320062411	43	Slight	27.1	9.55	35.4	4.29	8.24	0.36	0.3	< 0.5	61	382	< 1	8	4	54	1.23	4	29	76	< 0.5	< 2	1.10
GC22-0324-018	655	None	-28.9	8.34	13.4	0.316	42.30	0.41	< 0.2	< 0.5	92	194	< 1	2	< 2	19	2.77	4	18	37	< 0.5	< 2	1.44

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-5066-021	143	Slight	-11.7	8.56	32.9	0.737	44.66	0.49	0.5	< 0.5	182	671	< 1	11	5	90	1.57	21	24	31	< 0.5	< 2	1.04
GC22-0638-014	366	None	-45.5	7.87	6.98	0.133	52.50	0.49	0.6	< 0.5	377	194	< 1	1	2	17	2.00	7	16	25	< 0.5	14	0.89
GC22-0465-019	408	None	-47.9	8.10	14.2	0.229	62.16	1.75	1.4	38.3	355	393	1	18	2	8710	2.57	23	20	24	< 0.5	2	0.43
GC22-5038-020	44	None	9.96	9.20	14.2	3.36	4.22	0.22	< 0.2	< 0.5	21	284	5	9	< 2	70	3.13	4	27	56	< 0.5	< 2	1.53
GC22-5057-014	1480	None	-37.8	7.87	8.97	0.192	46.79	0.49	0.4	< 0.5	310	212	< 1	2	< 2	23	2.16	7	25	34	< 0.5	8	0.66
1432027202	249	None	-4.24	8.73	30.5	0.878	34.69	0.36	1.2	< 0.5	51	562	1	18	18	144	1.70	333	25	40	< 0.5	< 2	1.17
GC22-5093-021	165	None	-56.6	8.11	6.98	0.110	63.62	0.57	0.9	2.0	32	989	< 1	10	17	512	2.39	61	23	19	< 0.5	4	0.30
GC22-5076-020	295	None	-35.0	8.69	5.99	0.146	40.95	0.33	0.9	< 0.5	145	417	< 1	7	3	84	1.65	13	21	28	< 0.5	< 2	0.23
1432027241	322	None	-29.2	8.63	26.4	0.475	55.54	0.52	1.1	2.2	48	846	< 1	10	64	541	0.88	37	24	27	< 0.5	< 2	0.73
F011950	348																						
F011930	352																						
1313003037	71	None	-6.77	8.92	13.9	0.673	20.71	0.33	< 0.2	< 0.5	22	262	1	7	< 2	58	2.48	< 2	26	43	< 0.5	< 2	1.00
GC22-0323-008	667	None	-8.77	8.42	13.9	0.612	22.63	0.47	0.4	< 0.5	293	238	< 1	2	< 2	21	2.59	6	20	56	< 0.5	< 2	1.18
1313003193	125	None	2.30	8.93	22.7	1.11	20.42	0.32	< 0.2	< 0.5	38	371	2	7	2	56	3.56	8	25	49	< 0.5	< 2	1.72
GC22-0333-012	60	None	5.42	9.17	15.7	1.53	10.29	0.31	< 0.2	< 0.5	102	496	< 1	43	< 2	47	4.51	< 2	32	33	< 0.5	< 2	2.36
GC22-0333-005	56	None	14.4	8.99	14.7	44.6	0.33	0.22	< 0.2	< 0.5	129	397	< 1	46	< 2	53	4.96	< 2	34	< 10	< 0.5	< 2	2.79
GC22-0582-001	252	None	-27.6	8.70	6.73	0.196	34.33	0.79	0.6	2.4	180	664	< 1	6	3	576	4.19	16	25	26	< 0.5	2	1.48
GC22-0581-011	784	None	-46.6	8.23	13.5	0.224	60.09	0.80	0.5	6.6	59	713	< 1	10	7	1840	2.20	31	25	34	< 0.5	2	0.83
GC22-0585-005	181	None	-88.5	8.09	12.9	0.128	101.41	1.21	1.7	0.5	110	221	4	16	12	96	1.50	52	21	19	< 0.5	4	0.31
1313002001	645	None	-32.6	8.55	9.25	0.221	41.80	0.46	< 0.2	< 0.5	264	183	< 1	8	2	19	2.02	4	26	33	< 0.5	2	0.71
GC22-0328-008	790	None	-14.9	8.35	11.5	0.436	26.40	0.37	0.5	< 0.5	240	230	< 1	2	2	25	2.17	9	20	48	< 0.5	< 2	1.31
GC22-0478-009	61	None	-3.79	8.91	23.4	0.861	27.24	0.43	0.3	< 0.5	9	521	< 1	1	4	163	1.73	26	24	39	< 0.5	< 2	1.11
GC22-5066-009FD	94	None	-34.0	8.31	11.4	0.252	45.46	0.51	< 0.2	< 0.5	56	355	< 1	7	< 2	49	3.34	4	27	48	< 0.5	3	1.49
1313003183	125	None	4.22	9.19	17.2	1.32	13.02	0.29	< 0.2	< 0.5	72	324	3	6	2	65	3.24	9	25	22	< 0.5	< 2	1.40
GC22-0335-012	1970	Slight	-40.4	8.53	22.2	0.354	62.50	0.65	0.5	< 0.5	217	235	1	4	3	31	1.53	8	25	29	< 0.5	4	1.03
1313003127	288	None	-8.71	8.82	15.7	0.643	24.41	0.40	0.3	< 0.5	179	315	2	8	5	47	2.30	7	27	47	< 0.5	< 2	1.10
1313006335	67	None	-5.76	9.13	14.9	0.722	20.70	0.36	< 0.2	< 0.5	55	570	< 1	6	9	77	2.47	9	29	57	< 0.5	< 2	0.95
GC22-0583-003	524	None	-47.3	8.49	13.2	0.218	60.51	0.53	0.6	< 0.5	382	301	1	3	< 2	30	2.10	8	26	32	< 0.5	6	0.63
1313006005	375	None	-105	8.06	8.23	0.0727	113.19	0.89	0.6	< 0.5	63	488	< 1	13	6	57	2.08	15	25	16	< 0.5	6	0.98
F011886	549																						
F011888	550																						
GC22-0352-001	337	Slight	30.3	8.56	101	1.43	71.05	2.10	1.2	< 0.5	47	2080	< 1	5	5	180	3.57	19	23	24	< 0.5	< 2	3.31

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0545-016	7	3	2.24	< 10	< 1	0.12	< 10	1.08	0.027	0.039	1.49	< 2	< 1	30	< 0.01	4	< 2	< 10	4	< 10	2	5	0.99
1320062831	8	7	2.07	< 10	< 1	0.16	11	0.65	0.036	0.035	0.18	< 2	1	23	0.04	< 1	< 2	< 10	15	< 10	4	8	0.53
GC22-5149-013	7	6	1.98	< 10	< 1	0.09	< 10	0.83	0.037	0.036	1.60	< 2	< 1	36	< 0.01	7	< 2	< 10	5	< 10	1	4	0.49
GC22-0532-010	11	19	2.74	< 10	< 1	0.19	20	1.33	0.021	0.064	1.36	< 2	1	17	< 0.01	< 1	< 2	< 10	11	< 10	4	7	0.53
1320059846	10	10	2.93	< 10	< 1	0.19	14	0.73	0.072	0.046	0.79	3	2	45	0.07	< 1	< 2	< 10	23	< 10	5	12	0.78
1320059834	8	8	2.48	< 10	< 1	0.38	21	0.82	0.079	0.061	0.87	2	1	44	0.08	2	< 2	< 10	16	< 10	5	12	0.66
1320059160	29	504	2.48	< 10	< 1	0.21	< 10	2.32	0.136	0.030	0.20	3	8	76	0.09	< 1	< 2	< 10	49	< 10	4	6	0.49
1320060199	9	6	2.58	< 10	< 1	0.21	21	0.74	0.133	0.058	0.95	3	1	100	0.06	< 1	< 2	< 10	18	< 10	5	10	0.54
1320062898	8	11	2.39	< 10	< 1	0.23	14	0.74	0.047	0.040	0.65	< 2	2	28	0.07	< 1	< 2	< 10	19	< 10	5	12	0.54
1320060134	8	11	2.26	< 10	< 1	0.29	15	0.71	0.056	0.040	0.69	3	1	41	0.08	1	< 2	< 10	15	< 10	4	12	0.68
1320060114	7	10	2.48	< 10	< 1	0.30	13	0.82	0.081	0.041	0.78	< 2	2	44	0.10	1	< 2	< 10	22	< 10	5	12	0.57
1320059857	39	942	3.56	< 10	< 1	0.33	< 10	3.50	0.101	0.032	0.18	8	5	155	0.08	4	3	< 10	61	< 10	3	4	0.90
1320060147	12	13	2.91	< 10	< 1	0.42	23	1.23	0.066	0.066	0.49	< 2	4	110	0.14	< 1	< 2	< 10	51	< 10	6	15	0.62
GC22-0527-006	28	50	9.33	< 10	< 1	0.19	< 10	2.06	0.025	0.069	3.53	9	9	20	0.13	6	< 2	< 10	123	< 10	11	7	0.52
1320060124	32	40	7.88	10	< 1	0.48	13	1.35	0.175	0.076	1.65	3	11	59	0.22	< 1	< 2	< 10	180	< 10	14	8	0.42
GC22-0529-001	19	34	5.04	< 10	< 1	0.12	< 10	2.01	0.078	0.039	1.44	3	6	67	0.05	2	< 2	< 10	49	< 10	6	7	2.04
1320062864	6	10	2.11	< 10	< 1	0.14	14	0.65	0.042	0.039	0.18	< 2	1	26	0.02	< 1	< 2	< 10	16	< 10	4	6	0.61
1320059823	16	16	4.22	< 10	< 1	0.20	21	1.28	0.082	0.071	1.23	2	4	115	0.06	< 1	< 2	< 10	52	< 10	9	10	1.14
1320062833	7	8	2.35	< 10	< 1	0.24	13	0.70	0.050	0.038	0.39	2	1	23	0.07	5	< 2	< 10	18	< 10	4	10	0.46
GC22-0547-011	8	8	3.65	< 10	< 1	0.16	11	1.50	0.034	0.040	1.21	3	1	34	< 0.01	< 1	< 2	< 10	16	< 10	4	9	0.81
GC22-0531-004	13	28	3.40	< 10	< 1	0.21	13	0.93	0.100	0.047	1.09	< 2	4	49	0.10	< 1	< 2	< 10	47	< 10	6	8	0.25
GC22-0344-010	11	12	3.62	< 10	< 1	0.18	15	1.15	0.200	0.042	2.17	2	1	61	< 0.01	< 1	< 2	< 10	15	< 10	5	12	0.53
GC22-0533-006	23	42	6.73	< 10	< 1	0.12	< 10	2.12	0.023	0.047	2.01	5	5	25	< 0.01	3	< 2	< 10	51	< 10	8	7	1.09
F011850																							
F011852																							
1321078109	6	6	2.11	< 10	< 1	0.17	14	0.74	0.051	0.045	0.12	< 2	2	40	0.02	2	< 2	< 10	17	< 10	5	5	0.81
GC22-5063-001	8	5	2.86	< 10	< 1	0.21	12	0.81	0.050	0.033	2.03	< 2	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	3	19	0.04
GC22-0321-008	10	7	4.95	< 10	< 1	0.10	13	3.25	0.099	0.040	2.73	3	1	63	< 0.01	3	< 2	< 10	15	< 10	4	23	0.25
GC22-5106-001	7	6	2.96	< 10	< 1	0.17	12	1.42	0.055	0.045	2.00	3	1	32	< 0.01	< 1	< 2	< 10	10	< 10	5	16	0.28
GC22-5045-018	10	8	2.77	< 10	< 1	0.20	32	1.06	0.033	0.059	1.52	2	2	67	< 0.01	< 1	< 2	< 10	14	< 10	7	10	0.45
GC22-5051-006	6	7	3.14	< 10	< 1	0.15	< 10	0.68	0.249	0.029	1.50	2	< 1	158	< 0.01	< 1	< 2	< 10	7	< 10	3	13	0.08
GC22-5038-001	5	20	2.04	< 10	< 1	0.16	< 10	0.72	0.222	0.033	1.10	3	< 1	167	< 0.01	< 1	< 2	< 10	8	< 10	3	11	0.15
GC22-0488-006	5	6	2.41	< 10	< 1	0.07	13	1.01	0.252	0.036	1.56	3	1	196	< 0.01	< 1	< 2	< 10	13	< 10	4	12	0.08
1321078135	11	8	3.05	< 10	< 1	0.19	14	1.02	0.050	0.059	0.47	3	2	55	0.02	< 1	< 2	< 10	27	< 10	6	4	0.91
1321081081	23	32	6.36	< 10	< 1	0.48	10	1.39	0.168	0.067	1.27	3	8	98	0.20	1	< 2	< 10	133	< 10	13	8	0.84
GC22-0319-007	5	5	1.93	< 10	< 1	0.19	52	0.73	0.047	0.071	0.67	2	< 1	61	< 0.01	< 1	2	< 10	7	< 10	7	2	0.52
GC22-0318-013	7	7	2.43	< 10	< 1	0.16	14	1.00	0.150	0.034	1.73	3	< 1	85	< 0.01	< 1	< 2	< 10	7	< 10	3	14	0.07
GC22-0295-005	6	3	1.95	< 10	< 1	0.10	< 10	0.71	0.107	0.033	1.04	< 2	< 1	71	< 0.01	< 1	< 2	< 10	8	< 10	3	14	0.03
1321081120	42	45	11.4	10	< 1	0.14	< 10	1.52	0.185	0.072	2.10	6	12	100	0.17	< 1	< 2	< 10	224	< 10	19	3	1.33
1321080044	28	32	9.35	10	< 1	0.07	< 10	2.96	0.106	0.064	1.07	4	15	124	0.12	< 1	< 2	< 10	180	18	14	4	3.39
1321078064	10	33	2.68	< 10	< 1	0.33	17	0.98	0.046	0.048	0.46	< 2	3	43	0.07	5	< 2	< 10	28	< 10	5	10	0.61
1321081001	27	50	7.82	10	< 1	0.48	< 10	1.86	0.315	0.064	1.60	6	13	162	0.17	6	< 2	< 10	152	< 10	14	5	1.56
1321081079	31	40	10.6	10	< 1	0.38	< 10	1.79	0.244	0.064	2.99	4	14	78	0.19	5	< 2	< 10	202	< 10	12	8	1.35
GC22-0324-001	7	6	3.51	< 10	< 1	0.13	12	0.89	0.089	0.038	2.23	3	< 1	80	0.01	< 1	< 2	< 10	8	< 10	4	13	0.05
1321080106	7	11	2.61	< 10	< 1	0.21	12	0.74	0.048	0.038	0.73	< 2	1	39	0.03	< 1	< 2	< 10	13	< 10	5	9	0.64
1321080730	9	8	2.66	< 10	< 1	0.14	34	0.70	0.040	0.038	0.57	< 2	1	37	0.02	1	< 2	< 10	14	< 10	4	8	0.76
F011856																							
F011893																							
1320057331	8	3	2.33	< 10	< 1	0.20	< 10	0.22	0.012	0.037	2.51	7	< 1	30	< 0.01	< 1	< 2	< 10	2	< 10	3	13	0.72
GC22-0463-011	10	11	2.51	< 10	< 1	0.20	21	1.04	0.049	0.047	0.12	< 2	2	45	0.02	< 1	< 2	< 10	23	< 10	5	2	0.83
GC22-2039-012	59	126	10.0	10	3	0.03	< 10	4.84	0.012	0.033	0.84	5	13	47	0.04	< 1	< 2	< 10	145	< 10	9	3	1.80

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-2055-001	33	67	8.59	< 10	< 1	0.06	< 10	2.31	0.040	0.048	2.12	4	11	44	0.04	< 1	< 2	< 10	212	< 10	9	6	1.65
1313008166	8	9	2.88	< 10	< 1	0.22	14	1.44	0.218	0.039	1.19	2	1	113	0.04	< 1	< 2	< 10	17	< 10	5	10	0.35
GC22-2055-012	50	102	10.5	10	1	0.05	< 10	4.92	0.021	0.042	1.11	5	13	45	0.06	< 1	< 2	< 10	168	< 10	12	3	1.63
GC22-2039-002	38	5	11.0	10	2	0.11	< 10	2.68	0.134	0.043	0.91	5	22	83	0.16	< 1	< 2	< 10	474	< 10	10	3	2.64
GC22-0503-012	41	184	8.90	10	< 1	0.10	< 10	3.38	0.030	0.041	0.57	5	10	23	0.15	< 1	< 2	< 10	184	< 10	9	3	1.07
1313008220	7	4	2.49	< 10	< 1	0.31	13	1.11	0.040	0.042	1.57	< 2	1	16	0.04	5	< 2	< 10	11	< 10	4	12	0.25
1320057001	6	4	1.69	< 10	< 1	0.15	14	0.59	0.034	0.036	1.30	2	< 1	25	0.04	2	< 2	< 10	5	< 10	3	13	0.36
1320057314	8	11	2.50	< 10	< 1	0.29	21	0.99	0.174	0.052	0.56	4	2	115	0.11	3	< 2	< 10	26	< 10	6	12	0.44
1320057354	21	21	6.23	< 10	< 1	0.26	10	0.92	0.080	0.053	0.99	4	5	53	0.18	< 1	< 2	< 10	92	< 10	13	11	0.63
1320057027	12	49	2.33	< 10	< 1	0.21	15	1.08	0.046	0.039	1.28	3	2	38	0.07	2	< 2	< 10	23	< 10	4	13	0.46
1320057050	35	560	3.10	< 10	< 1	0.12	< 10	3.29	0.152	0.036	0.11	5	7	46	0.12	< 1	< 2	< 10	59	< 10	4	6	0.24
1320057144	15	28	3.85	< 10	< 1	0.18	11	0.77	0.060	0.047	0.50	2	4	44	0.20	1	< 2	< 10	62	< 10	9	13	0.29
1313008625	8	5	2.50	< 10	< 1	0.16	16	1.04	0.128	0.047	1.58	< 2	1	87	0.03	< 1	< 2	< 10	16	< 10	4	12	0.23
1313008605	9	8	2.99	< 10	< 1	0.43	12	1.18	0.046	0.038	1.71	< 2	2	17	0.07	< 1	< 2	< 10	17	< 10	5	15	0.23
1313008621	14	14	4.71	< 10	< 1	0.21	< 10	1.82	0.066	0.043	2.97	3	2	30	0.06	6	< 2	< 10	27	< 10	9	15	0.11
1313008128	7	6	2.23	< 10	< 1	0.18	13	1.10	0.134	0.036	1.14	< 2	< 1	49	0.04	< 1	< 2	< 10	9	< 10	4	11	0.20
GC22-0369-001	34	15	9.24	10	< 1	0.21	< 10	1.78	0.035	0.108	2.99	5	13	17	0.13	2	< 2	< 10	102	< 10	19	9	0.94
GC22-2054-012	42	123	9.53	10	2	0.06	< 10	3.43	0.040	0.038	1.44	5	6	44	0.05	< 1	< 2	< 10	121	< 10	10	3	1.72
GC22-2052-001	40	5	11.7	10	< 1	0.02	< 10	3.17	0.022	0.038	0.73	5	19	39	0.09	< 1	< 2	< 10	516	< 10	7	3	1.82
GC22-2042-004	38	85	7.08	< 10	< 1	0.03	< 10	3.25	0.023	0.038	0.70	3	9	45	0.01	3	< 2	< 10	92	< 10	7	5	1.71
GC22-2019-008	40	6	10.5	10	< 1	< 0.01	< 10	2.87	0.031	0.049	0.28	5	12	40	0.30	< 1	< 2	< 10	435	< 10	9	3	1.00
F011863																							
F011860																							
GC22-5073-008	23	52	4.84	< 10	< 1	0.03	< 10	1.94	0.574	0.019	0.08	3	7	64	0.26	2	< 2	< 10	144	< 10	7	3	0.04
1313007340	23	51	4.69	< 10	< 1	0.03	< 10	1.75	0.589	0.019	0.09	3	6	65	0.27	2	< 2	< 10	131	< 10	6	4	0.16
1313007328	8	6	2.47	< 10	< 1	0.29	15	1.30	0.092	0.043	2.02	2	1	55	0.02	4	< 2	< 10	12	< 10	4	16	0.13
1320054193	7	4	2.06	< 10	< 1	0.17	17	0.89	0.128	0.041	1.64	3	< 1	59	< 0.01	< 1	< 2	< 10	6	< 10	3	15	0.31
GC22-5073-010	22	51	4.80	< 10	< 1	0.03	< 10	1.65	0.607	0.018	0.09	4	6	60	0.25	1	< 2	< 10	133	< 10	6	3	0.08
1320054032	6	3	2.13	< 10	< 1	0.23	< 10	0.67	0.011	0.040	1.80	< 2	< 1	43	< 0.01	< 1	< 2	< 10	3	< 10	3	10	1.11
1320054057	7	2	2.27	< 10	< 1	0.20	< 10	0.61	0.012	0.041	2.26	3	< 1	25	< 0.01	< 1	< 2	< 10	2	< 10	3	11	1.01
1313004032	5	3	2.80	< 10	< 1	0.16	< 10	0.54	0.247	0.033	2.05	< 2	< 1	196	< 0.01	3	< 2	< 10	5	< 10	3	13	0.14
GC22-5069-010	5	4	2.70	< 10	< 1	0.15	18	1.28	0.137	0.047	1.19	< 2	< 1	60	0.03	3	< 2	< 10	9	< 10	4	11	0.13
1313007313	9	5	3.46	< 10	< 1	0.15	19	1.00	0.201	0.047	3.39	< 2	< 1	67	< 0.01	< 1	< 2	< 10	9	< 10	5	17	0.20
GC22-0469-012	4	4	1.71	< 10	< 1	0.18	50	0.42	0.063	0.066	0.62	< 2	< 1	113	< 0.01	< 1	< 2	< 10	6	< 10	7	2	0.41
GC22-0466-013	6	7	3.03	< 10	< 1	0.24	36	1.47	0.047	0.055	0.76	< 2	1	75	0.02	< 1	< 2	< 10	12	< 10	6	4	0.29
GC22-5039-013	6	5	1.96	< 10	< 1	0.10	< 10	0.83	0.180	0.034	0.86	3	1	146	< 0.01	3	< 2	< 10	9	< 10	3	13	0.10
1320054040	6	5	1.98	< 10	< 1	0.29	16	1.06	0.015	0.040	1.26	2	< 1	29	0.02	< 1	< 2	< 10	10	< 10	3	6	0.56
GC22-5077-011	26	14	6.95	< 10	< 1	0.15	11	1.63	0.018	0.052	6.46	4	3	10	0.03	< 1	< 2	< 10	34	< 10	13	17	0.08
GC22-5070-008	12	4	2.96	< 10	< 1	0.24	19	0.98	0.104	0.046	2.17	< 2	< 1	46	< 0.01	1	< 2	< 10	7	< 10	4	17	0.05
GC22-0461-001	19	14	4.14	< 10	< 1	0.14	16	2.59	0.084	0.052	2.16	4	3	47	< 0.01	< 1	< 2	< 10	33	< 10	9	16	0.15
GC22-5076-008	6	8	2.56	< 10	< 1	0.23	12	1.51	0.274	0.035	1.21	3	< 1	112	0.03	4	< 2	< 10	13	< 10	4	12	0.14
GC22-0490-006	10	6	5.13	< 10	2	0.16	14	1.42	0.034	0.039	5.64	4	< 1	11	0.02	< 1	< 2	< 10	12	20	7	21	0.02
GC22-5054-003	6	3	2.79	< 10	< 1	0.14	< 10	0.58	0.088	0.033	2.07	3	< 1	47	< 0.01	< 1	< 2	< 10	6	< 10	3	14	0.11
GC22-0332-012	18	9	5.09	< 10	< 1	0.15	15	1.30	0.046	0.052	4.26	4	2	30	< 0.01	7	< 2	< 10	19	< 10	9	20	0.03
1320056417	7	25	1.13	< 10	< 1	0.03	< 10	0.48	0.051	0.037	0.18	< 2	1	37	< 0.01	2	< 2	< 10	11	< 10	1	6	0.05
F011884																							
F011887																							
1320058179	7	5	1.98	< 10	< 1	0.21	17	0.60	0.029	0.039	1.34	2	< 1	25	< 0.01	< 1	< 2	< 10	6	< 10	3	7	0.29
1313009418	6	5	2.21	< 10	< 1	0.20	36	0.67	0.162	0.057	1.30	< 2	< 1	184	< 0.01	2	< 2	< 10	8	< 10	5	4	0.46
1313006009	6	5	2.77	< 10	< 1	0.16	12	1.10	0.124	0.038	2.18	2	< 1	61	0.01	3	< 2	< 10	7	< 10	3	18	0.11
GC22-0636-010	7	9	4.92	< 10	< 1	0.20	16	1.58	0.035	0.046	1.00	3	1	40	< 0.01	3	< 2	< 10	16	< 10	5	12	0.06

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1320058074	11	18	2.69	< 10	< 1	0.25	19	1.05	0.132	0.059	0.71	< 2	2	107	0.09	< 1	< 2	< 10	30	< 10	6	11	0.41
GC22-0489-001	7	4	4.01	< 10	< 1	0.20	< 10	0.78	0.142	0.032	2.20	3	< 1	95	< 0.01	1	< 2	< 10	6	< 10	3	14	0.07
1320058205	8	14	2.52	< 10	< 1	0.24	13	0.64	0.053	0.039	1.70	4	1	33	0.02	< 1	< 2	< 10	14	< 10	3	11	0.60
1320058061	15	23	4.38	< 10	< 1	0.27	22	1.15	0.246	0.068	1.05	3	4	136	0.13	5	< 2	< 10	56	< 10	8	14	0.37
GC22-0483-001	7	7	4.53	< 10	< 1	0.23	< 10	0.63	0.112	0.046	2.84	3	< 1	76	< 0.01	< 1	< 2	< 10	7	< 10	4	17	0.22
GC22-5033-002	7	5	2.67	< 10	< 1	0.14	10	0.67	0.186	0.032	1.49	3	< 1	127	< 0.01	5	< 2	< 10	9	< 10	3	12	0.07
GC22-5036-010	6	8	2.55	< 10	< 1	0.09	11	0.86	0.151	0.038	1.75	3	1	128	< 0.01	2	< 2	< 10	12	< 10	4	13	0.08
GC22-0322-001	7	6	3.46	< 10	< 1	0.11	11	0.91	0.168	0.035	1.88	2	< 1	131	< 0.01	2	< 2	< 10	8	< 10	3	9	0.11
GC22-5049-010	17	18	5.12	< 10	< 1	0.15	< 10	2.75	0.019	0.049	3.32	3	2	12	< 0.01	< 1	< 2	< 10	31	< 10	6	18	0.10
1432080073	4	8	1.86	< 10	< 1	0.13	12	0.95	0.049	0.050	0.87	< 2	< 1	52	< 0.01	< 1	< 2	< 10	8	< 10	3	5	0.92
1432080143	6	8	1.68	< 10	< 1	0.24	16	0.78	0.091	0.039	0.71	2	1	66	< 0.01	< 1	< 2	< 10	8	< 10	4	5	1.09
1320058168	8	5	1.87	< 10	< 1	0.23	19	0.62	0.038	0.041	0.79	< 2	< 1	38	0.05	< 1	< 2	< 10	10	< 10	4	7	0.25
1432080097	7	5	2.37	< 10	< 1	0.11	< 10	0.99	0.080	0.043	1.11	2	< 1	60	< 0.01	2	< 2	< 10	7	< 10	2	7	1.22
1313009432	9	7	2.64	< 10	< 1	0.18	12	1.22	0.121	0.037	0.98	3	1	87	< 0.01	< 1	< 2	< 10	13	< 10	4	14	0.11
1320058056	45	625	3.70	< 10	< 1	0.33	< 10	3.63	0.135	0.044	0.26	5	7	51	0.13	< 1	< 2	< 10	64	< 10	4	6	0.30
1320058079	44	429	3.46	< 10	< 1	0.08	< 10	2.76	0.126	0.045	0.58	4	7	71	0.11	3	< 2	< 10	56	< 10	5	8	0.45
F011949																							
F011934																							
GC22-5065-017	7	7	3.02	< 10	< 1	0.22	14	1.31	0.136	0.040	1.57	3	1	45	0.04	< 1	< 2	< 10	13	< 10	4	17	0.15
GC22-0636-016	6	5	3.46	< 10	< 1	0.16	< 10	0.64	0.279	0.034	2.50	3	< 1	195	< 0.01	< 1	< 2	< 10	7	< 10	3	14	0.07
1432027264	7	5	2.15	< 10	< 1	0.12	< 10	1.39	0.022	0.038	1.98	7	< 1	47	< 0.01	< 1	< 2	< 10	5	< 10	2	8	0.96
GC22-0329-019	8	8	3.68	< 10	< 1	0.15	15	1.23	0.225	0.039	2.23	< 2	< 1	122	< 0.01	< 1	< 2	< 10	10	< 10	4	18	0.06
1320061611	6	10	2.06	< 10	< 1	0.16	12	0.66	0.039	0.038	0.22	< 2	1	30	0.05	2	< 2	< 10	18	< 10	5	7	0.47
GC22-0500-011	7	7	2.60	< 10	< 1	0.18	13	1.05	0.082	0.042	1.35	3	< 1	39	< 0.01	< 1	< 2	< 10	8	< 10	4	8	0.81
1432027334	10	18	2.47	< 10	< 1	0.15	< 10	1.21	0.038	0.041	1.52	3	1	41	0.02	5	< 2	< 10	13	< 10	3	10	0.65
1320060089	8	7	1.86	< 10	< 1	0.21	14	0.58	0.052	0.038	0.58	< 2	< 1	38	0.05	< 1	< 2	< 10	13	< 10	4	10	0.48
GC22-5129-009	7	6	1.91	< 10	< 1	0.12	< 10	1.21	0.029	0.031	1.74	4	< 1	36	< 0.01	6	< 2	< 10	5	< 10	1	7	0.46
1432027269	9	7	2.60	< 10	< 1	0.16	< 10	0.96	0.041	0.045	1.84	3	1	50	0.01	< 1	< 2	< 10	14	< 10	3	10	0.67
1320062448	8	9	2.59	< 10	< 1	0.19	13	0.77	0.045	0.037	0.50	2	2	22	0.05	3	< 2	< 10	19	< 10	4	10	0.47
GC22-0483-021	5	13	1.69	10	< 1	0.18	12	1.12	0.366	0.037	0.16	3	2	366	0.03	< 1	< 2	< 10	24	< 10	4	11	0.13
GC22-5139-008	8	4	2.04	< 10	< 1	0.14	< 10	1.08	0.028	0.036	2.00	7	< 1	35	< 0.01	2	< 2	< 10	4	< 10	2	6	0.85
1320062410	8	13	2.32	< 10	< 1	0.22	14	0.80	0.039	0.039	0.52	2	2	22	0.05	4	< 2	< 10	20	< 10	4	9	0.48
GC22-5092-026	12	8	3.47	< 10	< 1	0.15	14	1.66	0.020	0.046	1.86	< 2	1	10	0.01	5	< 2	< 10	15	< 10	6	11	0.06
GC22-0422-002	12	21	3.07	< 10	< 1	0.16	11	0.64	0.156	0.033	1.83	4	2	30	0.08	< 1	< 2	< 10	32	< 10	3	18	0.42
GC22-0496-009FD	8	4	2.44	< 10	< 1	0.20	10	0.19	0.023	0.042	2.55	7	< 1	21	< 0.01	< 1	< 2	< 10	4	< 10	3	17	0.43
1320060131	8	6	2.31	< 10	< 1	0.18	12	0.62	0.098	0.040	1.20	3	< 1	70	0.03	< 1	< 2	< 10	10	< 10	4	9	0.79
1432027316	9	6	2.54	< 10	< 1	0.11	< 10	1.38	0.039	0.045	1.83	4	< 1	52	< 0.01	6	< 2	< 10	10	< 10	3	8	0.82
GC22-5074-022	30	28	7.54	< 10	< 1	0.23	< 10	2.15	0.109	0.056	4.04	4	8	44	0.22	2	< 2	< 10	91	< 10	14	10	0.02
GC22-0376-010	9	7	2.25	< 10	< 1	0.15	19	0.76	0.083	0.050	0.66	2	< 1	41	0.03	4	< 2	< 10	10	< 10	3	6	0.16
F011935																							
F011937																							
GC22-0481-007	13	12	4.23	< 10	< 1	0.18	14	1.45	0.114	0.047	2.60	2	2	47	< 0.01	2	< 2	< 10	20	< 10	7	16	0.06
1320054200	7	6	2.25	< 10	< 1	0.18	19	0.70	0.155	0.051	0.28	3	1	105	0.03	< 1	< 2	< 10	16	< 10	4	3	0.33
1320058155	7	3	1.84	< 10	< 1	0.17	15	0.45	0.045	0.037	1.64	< 2	< 1	28	< 0.01	1	< 2	< 10	4	< 10	3	12	0.19
1320054004	6	4	1.75	< 10	< 1	0.24	< 10	0.71	0.009	0.038	1.52	4	< 1	116	< 0.01	< 1	< 2	< 10	3	< 10	3	7	0.99
1432080198	14	6	2.72	< 10	< 1	0.11	12	0.94	0.098	0.041	1.99	< 2	< 1	51	< 0.01	3	< 2	< 10	6	< 10	3	9	1.23
1320058188	6	3	1.80	< 10	< 1	0.18	13	0.43	0.017	0.038	1.58	2	< 1	18	< 0.01	< 1	< 2	< 10	3	< 10	3	10	0.60
1320054221	6	5	1.95	< 10	< 1	0.15	18	0.49	0.060	0.045	0.07	< 2	1	51	0.02	< 1	< 2	< 10	14	< 10	4	4	0.58
1432080039	6	16	2.14	< 10	< 1	0.13	11	0.99	0.050	0.047	0.94	< 2	1	55	< 0.01	< 1	< 2	< 10	13	< 10	4	6	0.83
GC22-5092-001	21	37	4.38	< 10	< 1	0.02	< 10	1.52	0.635	0.020	0.10	3	5	62	0.24	< 1	< 2	< 10	123	< 10	6	3	0.03

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-5068-009FD	19	50	4.11	< 10	< 1	0.04	< 10	1.39	0.611	0.017	0.07	4	5	62	0.20	< 1	< 2	< 10	117	< 10	6	3	0.05
GC22-5037-005	4	2	2.13	< 10	< 1	0.16	10	0.54	0.123	0.032	1.20	2	< 1	91	< 0.01	1	< 2	< 10	5	< 10	3	11	0.05
1432080060	8	8	2.51	< 10	< 1	0.17	10	0.91	0.065	0.042	1.43	< 2	< 1	51	< 0.01	1	< 2	< 10	8	< 10	3	8	1.02
1313004053	6	6	3.65	< 10	< 1	0.16	< 10	0.76	0.103	0.031	2.01	3	< 1	74	< 0.01	4	< 2	< 10	7	< 10	3	15	0.13
GC22-0482-013	5	3	2.18	< 10	< 1	0.12	< 10	0.51	0.115	0.033	1.23	< 2	< 1	83	< 0.01	3	< 2	< 10	5	< 10	3	10	0.02
GC22-5093-009	17	14	4.65	< 10	< 1	0.11	< 10	1.42	0.086	0.045	2.54	3	2	41	0.09	< 1	< 2	< 10	37	< 10	7	10	0.06
1432080125	13	10	2.88	< 10	< 1	0.10	15	0.90	0.064	0.053	2.25	2	1	51	< 0.01	3	< 2	< 10	11	< 10	4	9	0.76
1320054170	6	4	1.92	< 10	< 1	0.16	16	0.67	0.170	0.043	0.36	2	1	118	0.05	< 1	< 2	< 10	15	< 10	4	6	0.32
1320058045	18	24	4.75	< 10	< 1	0.28	12	0.97	0.166	0.053	0.62	4	7	117	0.17	< 1	< 2	< 10	86	< 10	10	11	0.46
1432080088	8	4	2.18	< 10	< 1	0.10	13	0.92	0.067	0.045	1.71	2	< 1	67	< 0.01	< 1	< 2	< 10	7	< 10	3	8	1.03
1320054011	6	4	1.75	< 10	< 1	0.20	< 10	0.75	0.012	0.035	1.20	2	< 1	33	< 0.01	< 1	< 2	< 10	5	< 10	3	7	0.59
1320054095	6	5	1.88	< 10	< 1	0.15	10	0.85	0.032	0.035	1.29	3	< 1	29	< 0.01	< 1	< 2	< 10	7	< 10	2	10	0.84
1320054224	32	36	9.23	10	< 1	0.30	< 10	1.23	0.213	0.064	1.64	6	11	175	0.17	1	< 2	< 10	193	< 10	14	7	0.74
F011889																							
F011882																							
GC22-0308-014	26	40	4.99	< 10	< 1	0.63	63	2.86	0.031	0.266	0.83	3	8	414	0.07	< 1	< 2	< 10	69	< 10	13	3	2.66
GC22-5051-023	7	8	2.81	< 10	< 1	0.20	12	1.52	0.169	0.038	0.67	3	1	109	0.02	< 1	< 2	< 10	13	< 10	4	10	0.18
GC22-5106-025	3	4	2.36	< 10	< 1	0.11	< 10	0.51	0.114	0.033	1.46	< 2	< 1	78	< 0.01	1	< 2	< 10	5	< 10	3	12	0.06
1432026151	8	5	2.20	< 10	< 1	0.11	< 10	0.71	0.026	0.037	2.01	6	< 1	30	< 0.01	2	< 2	< 10	5	< 10	2	7	0.52
GC22-5042-020	5	3	2.78	< 10	< 1	0.14	< 10	0.64	0.095	0.030	1.38	3	< 1	78	< 0.01	2	< 2	< 10	6	< 10	3	11	0.20
1432026133	8	7	2.24	< 10	< 1	0.14	< 10	1.03	0.054	0.038	1.60	5	1	43	0.01	< 1	< 2	< 10	11	< 10	3	8	0.76
1432026116	9	12	2.39	< 10	< 1	0.14	< 10	0.83	0.038	0.038	1.85	5	1	38	0.02	1	< 2	< 10	12	< 10	3	9	0.66
1320062801	7	10	2.25	< 10	< 1	0.19	13	0.77	0.046	0.038	0.29	< 2	2	27	0.05	< 1	< 2	< 10	19	< 10	5	6	0.50
GC22-0317-021	9	4	3.57	< 10	< 1	0.17	10	0.54	0.100	0.033	2.81	2	< 1	71	< 0.01	< 1	< 2	< 10	4	< 10	3	14	0.11
1320062800	7	8	2.20	< 10	< 1	0.26	12	0.81	0.053	0.038	0.39	< 2	2	31	0.06	< 1	< 2	< 10	19	< 10	4	11	0.49
GC22-5054-025	8	6	3.10	< 10	< 1	0.14	10	1.44	0.051	0.037	2.30	3	< 1	37	< 0.01	1	< 2	< 10	8	< 10	3	19	0.12
1320062411	8	10	2.29	< 10	< 1	0.29	14	0.75	0.054	0.037	0.37	3	2	23	0.07	4	< 2	< 10	22	< 10	4	11	0.44
GC22-0324-018	5	3	2.44	< 10	< 1	0.12	< 10	0.46	0.231	0.031	1.56	2	< 1	201	< 0.01	< 1	< 2	< 10	6	< 10	3	9	0.09
GC22-5066-021	9	9	2.76	< 10	< 1	0.18	14	1.29	0.032	0.042	1.55	< 2	1	15	0.06	< 1	< 2	< 10	14	< 10	5	18	0.31
GC22-0638-014	5	4	2.93	< 10	< 1	0.14	< 10	0.65	0.098	0.032	1.91	< 2	< 1	55	< 0.01	3	< 2	< 10	5	< 10	3	13	0.09
GC22-0465-019	13	11	4.35	< 10	2	0.15	11	2.16	0.029	0.048	2.53	3	2	28	< 0.01	5	< 2	< 10	23	< 10	7	19	0.08
GC22-5038-020	5	7	1.13	< 10	< 1	0.22	< 10	1.06	0.168	0.036	0.21	3	1	154	0.02	< 1	< 2	< 10	12	< 10	3	8	0.07
GC22-5057-014	4	6	3.41	< 10	< 1	0.17	10	0.64	0.128	0.032	1.78	2	< 1	89	0.02	7	< 2	< 10	6	< 10	3	14	0.04
1432027202	11	17	2.87	< 10	< 1	0.18	11	1.08	0.094	0.049	1.24	3	2	65	0.05	< 1	< 2	< 10	29	< 10	4	10	0.41
GC22-5093-021	12	7	4.00	< 10	< 1	0.15	15	1.89	0.055	0.047	2.27	3	1	23	< 0.01	< 1	< 2	< 10	15	< 10	6	16	< 0.01
GC22-5076-020	8	5	2.55	< 10	< 1	0.16	13	1.36	0.028	0.039	1.45	< 2	< 1	17	< 0.01	< 1	< 2	< 10	7	< 10	4	12	0.03
1432027241	9	6	2.54	< 10	1	0.15	< 10	0.53	0.034	0.040	2.11	3	< 1	29	0.01	< 1	< 2	< 10	13	< 10	2	10	0.32
F011950																							
F011930																							
1313003037	7	9	1.86	< 10	< 1	0.12	15	0.78	0.228	0.038	0.73	2	< 1	104	< 0.01	4	< 2	< 10	10	< 10	3	8	0.16
GC22-0323-008	4	5	2.26	< 10	< 1	0.18	10	0.47	0.130	0.033	0.88	< 2	< 1	87	< 0.01	< 1	< 2	< 10	5	< 10	3	8	0.10
1313003193	8	8	2.29	< 10	< 1	0.18	18	1.12	0.155	0.037	0.73	4	1	107	0.01	5	< 2	< 10	15	< 10	4	8	0.28
GC22-0333-012	20	60	4.06	< 10	< 1	0.13	< 10	1.70	0.444	0.022	0.43	4	6	56	0.17	5	< 2	< 10	85	< 10	5	6	0.09
GC22-0333-005	20	50	3.87	< 10	< 1	0.02	< 10	1.59	0.481	0.015	0.08	4	4	61	0.20	5	< 2	< 10	96	< 10	5	2	0.09
GC22-0582-001	6	10	3.18	< 10	< 1	0.43	13	1.29	0.226	0.037	1.44	2	1	94	0.01	4	< 2	< 10	16	< 10	4	14	0.13
GC22-0581-011	11	10	3.61	< 10	< 1	0.22	14	1.32	0.076	0.040	2.28	< 2	2	36	0.05	< 1	< 2	< 10	19	< 10	6	19	0.12
GC22-0585-005	13	9	4.32	< 10	< 1	0.21	12	1.10	0.030	0.045	3.71	3	< 1	26	< 0.01	2	< 2	< 10	10	< 10	5	23	0.06
1313002001	6	18	2.81	< 10	< 1	0.19	13	0.63	0.109	0.045	1.68	< 2	< 1	89	0.02	4	< 2	< 10	8	< 10	4	13	0.12
GC22-0328-008	4	4	2.19	< 10	< 1	0.14	10	0.47	0.086	0.032	1.13	< 2	< 1	68	< 0.01	1	< 2	< 10	5	< 10	3	10	0.12
GC22-0478-009	6	5	2.11	< 10	< 1	0.21	18	0.97	0.088	0.046	1.15	< 2	< 1	30	0.03	< 1	< 2	< 10	6	< 10	4	13	0.24

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-5066-009FD	7	9	2.55	< 10	< 1	0.18	13	1.06	0.206	0.038	1.70	3	1	99	0.01	7	< 2	< 10	11	< 10	4	16	0.05
1313003183	8	8	1.92	< 10	< 1	0.08	13	0.87	0.200	0.035	0.49	< 2	1	109	< 0.01	4	< 2	< 10	11	< 10	3	12	0.17
GC22-0335-012	6	6	3.64	< 10	< 1	0.14	< 10	0.91	0.037	0.030	2.36	4	< 1	37	< 0.01	6	< 2	< 10	7	< 10	3	12	0.24
1313003127	9	12	2.54	< 10	< 1	0.17	14	0.76	0.221	0.033	1.04	2	1	106	0.02	< 1	< 2	< 10	12	< 10	3	6	0.15
1313006335	7	13	2.80	< 10	< 1	0.19	15	1.24	0.184	0.035	0.84	< 2	2	112	0.04	< 1	< 2	< 10	19	< 10	3	4	0.16
GC22-0583-003	8	5	4.62	< 10	< 1	0.20	11	0.95	0.063	0.032	2.36	3	< 1	66	0.01	< 1	< 2	< 10	9	< 10	3	14	0.09
1313006005	11	13	5.07	< 10	< 1	0.16	12	1.22	0.082	0.033	4.22	2	2	29	0.08	< 1	< 2	< 10	25	< 10	3	24	0.14
F011886																							
F011888																							
GC22-0352-001	27	9	9.71	10	< 1	0.30	< 10	1.99	0.144	0.105	2.75	5	11	70	0.18	< 1	< 2	< 10	91	< 10	10	7	1.66

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0545-016	1.39	
1320062831	0.17	
GC22-5149-013	1.59	
GC22-0532-010	1.36	
1320059846	0.81	
1320059834	0.83	
1320059160	0.17	
1320060199	0.94	
1320062898	0.61	
1320060134	0.71	
1320060114	0.78	
1320059857	0.19	
1320060147	0.49	
GC22-0527-006	3.54	
1320060124	1.66	
GC22-0529-001	1.42	
1320062864	0.18	
1320059823	1.16	
1320062833	0.35	
GC22-0547-011	1.21	
GC22-0531-004	1.05	
GC22-0344-010	2.05	
GC22-0533-006	2.09	
F011850		5.87
F011852		5.76
1321078109	0.10	
GC22-5063-001	2.05	
GC22-0321-008	2.69	
GC22-5106-001	1.94	
GC22-5045-018	1.45	
GC22-5051-006	1.53	
GC22-5038-001	1.14	
GC22-0488-006	1.55	
1321078135	0.48	
1321081081	1.29	
GC22-0319-007	0.63	
GC22-0318-013	1.65	
GC22-0295-005	1.07	
1321081120	2.56	
1321080044	1.22	
1321078064	0.44	
1321081001	1.66	
1321081079	3.43	
GC22-0324-001	2.10	
1321080106	0.69	
1321080730	0.55	
F011856		5.62
F011893		5.71
1320057331	2.49	
GC22-0463-011	0.11	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-2039-012	1.03	
GC22-2055-001	2.62	
1313008166	1.21	
GC22-2055-012	1.24	
GC22-2039-002	0.95	
GC22-0503-012	0.60	
1313008220	1.61	
1320057001	1.31	
1320057314	0.57	
1320057354	1.02	
1320057027	1.26	
1320057050	0.11	
1320057144	0.49	
1313008625	1.64	
1313008605	1.70	
1313008621	3.18	
1313008128	1.16	
GC22-0369-001	3.64	
GC22-2054-012	1.85	
GC22-2052-001	0.78	
GC22-2042-004	0.73	
GC22-2019-008	0.26	
F011863		
F011860		
GC22-5073-008	0.06	
1313007340	0.07	
1313007328	1.91	
1320054193	1.52	
GC22-5073-010	0.07	
1320054032	1.61	
1320054057	2.14	
1313004032	1.96	
GC22-5069-010	1.13	
1313007313	3.18	
GC22-0469-012	0.60	
GC22-0466-013	0.74	
GC22-5039-013	0.81	
1320054040	1.23	
GC22-5077-011	6.37	
GC22-5070-008	2.10	
GC22-0461-001	2.12	
GC22-5076-008	1.18	
GC22-0490-006	5.40	
GC22-5054-003	1.97	
GC22-0332-012	3.98	
1320056417	0.20	
F011884		
F011887		
1320058179	1.28	
1313009418	1.27	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1313006009	2.10	
GC22-0636-010	1.04	
1320058074	0.76	
GC22-0489-001	2.09	
1320058205	1.59	
1320058061	1.05	
GC22-0483-001	2.77	
GC22-5033-002	1.47	
GC22-5036-010	1.67	
GC22-0322-001	1.88	
GC22-5049-010	3.43	
1432080073	0.91	
1432080143	0.76	
1320058168	0.86	
1432080097	1.12	
1313009432	0.97	
1320058056	0.27	
1320058079	0.64	
F011949		
F011934		
GC22-5065-017	1.52	
GC22-0636-016	2.35	
1432027264	1.87	
GC22-0329-019	2.20	
1320061611	0.19	
GC22-0500-011	1.31	
1432027334	1.48	
1320060089	0.58	
GC22-5129-009	1.71	
1432027269	1.86	
1320062448	0.53	
GC22-0483-021	0.16	
GC22-5139-008	1.93	
1320062410	0.52	
GC22-5092-026	1.92	
GC22-0422-002	1.79	
GC22-0496-009FD	2.33	
1320060131	1.18	
1432027316	1.70	
GC22-5074-022	4.17	
GC22-0376-010	0.66	
F011935		
F011937		
GC22-0481-007	2.45	
1320054200	0.27	
1320058155	1.50	
1320054004	1.50	12.3
1432080198	1.97	
1320058188	1.58	
1320054221	0.07	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1432080039	0.96	
GC22-5092-001	0.08	
GC22-5068-009FD	0.06	
GC22-5037-005	1.15	
1432080060	1.35	
1313004053	1.98	
GC22-0482-013	1.20	
GC22-5093-009	2.52	
1432080125	2.26	
1320054170	0.38	
1320058045	0.64	
1432080088	1.56	
1320054011	1.19	
1320054095	1.20	
1320054224	1.70	
F011889		
F011882		
GC22-0308-014	0.86	
GC22-5051-023	0.69	
GC22-5106-025	1.43	
1432026151	1.89	
GC22-5042-020	1.30	
1432026133	1.51	
1432026116	1.75	
1320062801	0.27	
GC22-0317-021	2.75	
1320062800	0.38	
GC22-5054-025	2.27	
1320062411	0.39	
GC22-0324-018	1.49	
GC22-5066-021	1.59	
GC22-0638-014	1.81	
GC22-0465-019	2.57	
GC22-5038-020	0.21	
GC22-5057-014	1.66	
1432027202	1.23	
GC22-5093-021	2.22	
GC22-5076-020	1.42	
1432027241	1.95	
F011950		
F011930		
1313003037	0.77	
GC22-0323-008	0.88	
1313003193	0.76	
GC22-0333-012	0.43	
GC22-0333-005	0.08	
GC22-0582-001	1.36	
GC22-0581-011	2.19	
GC22-0585-005	3.65	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1313002001	1.49	
GC22-0328-008	0.97	
GC22-0478-009	1.01	
GC22-5066-009FD	1.63	
1313003183	0.51	
GC22-0335-012	2.21	
1313003127	0.94	
1313006335	0.78	
GC22-0583-003	2.11	
1313006005	3.92	
F011886		
F011888		
GC22-0352-001	2.97	

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.31	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas									0.3	< 0.5	71	1090	2	24	97	126	7.11	261	36	762	0.8	< 2	0.11
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								40.8															
BaSO4 Cert								41.94															
BaSO4 Meas								40.1															
BaSO4 Cert								41.94															
BaSO4 Meas								40.6															
BaSO4 Cert								41.94															
BaSO4 Meas								42.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.5															
BaSO4 Cert								41.94															
BaSO4 Meas								42.4															
BaSO4 Cert								41.94															
BaSO4 Meas								42.2															
BaSO4 Cert								41.94															
BaSO4 Meas								41.4															
BaSO4 Cert								41.94															
BaSO4 Meas								41.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.6															
BaSO4 Cert								41.94															
BaSO4 Meas								41.3															
BaSO4 Cert								41.94															
OREAS 98 (Aqua Regia) Meas									41.2		> 10000				272	1060						45	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
OREAS 98 (Aqua Regia) Meas									43.0		> 10000				278	1100						54	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
RTS-3a Meas								29.3															
RTS-3a Cert								29.90															
RTS-3a Meas								29.0															
RTS-3a Cert								29.90															
RTS-3a Meas								29.2															
RTS-3a Cert								29.90															
RTS-3a Meas								30.0															
RTS-3a Cert								29.90															
RTS-3a Meas								28.9															
RTS-3a Cert								29.90															
RTS-3a Meas								29.8															
RTS-3a Cert								29.90															

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.31	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
RTS-3a Meas								29.1															
RTS-3a Cert								29.90															
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas								0.07															
SiO2 Cert																							
SiO2 Meas								0.12															
SiO2 Cert																							
SiO2 Meas								0.09															
SiO2 Cert																							
SiO2 Meas								0.09															
SiO2 Cert																							
SiO2 Meas								0.13															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas				8.60																			
NBM-1 (slight fzz)				8.53																			

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.31	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
NBM-1 (slight fzz) Meas				8.65																			
NBM-1 (slight fzz) Cert				8.53																			
NBM-1 (slight fzz) Meas				8.63																			
NBM-1 (slight fzz) Cert				8.53																			
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2260	780	< 1	35	68	254	2.77	7		70	0.7	9	0.37
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.9	< 0.5	2280	769	< 1	36	59	251	2.83	8		75	0.7	10	0.34
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 923 (AQUA REGIA) Meas									1.9	< 0.5	4400	874	< 1	31	86	325	2.77	5		56	0.6	13	0.37
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									2.3	0.5	4580	887	< 1	33	81	332	2.88	5		62	0.6	18	0.34
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
Oreas 96 (Aqua Regia) Meas									11.3		> 10000				89	382						8	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									12.0		> 10000				96	404						21	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									11.3		> 10000				89	424						32	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas											348	168	1	231	9	24	6.62			136	1.0	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.31	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 45f (Aqua Regia) Meas											347	167	< 1	229	11	24	6.64			136	1.0	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											372	179	< 1	256	9	26	7.24			151	1.0	< 2	0.06
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 238 (Fire Assay) Meas	2990																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3040																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
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GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	529																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	521																						
Oreas E1336 (Fire Assay) Cert	510																						

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.31	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas E1336 (Fire Assay) Meas	501																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	522																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	504																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	497																						
Oreas E1336 (Fire Assay) Cert	510																						
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
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GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									42.1	156	1860	425	8	13	> 5000	> 10000	1.17	47		18	0.6	2	1.20
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									41.2	173	1830	431	8	13	> 5000	> 10000	1.21	52		< 10	0.6	< 2	1.13
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
1320060134 Orig	67																						
1320060134 Dup	64																						
1320060147 Orig									< 0.2	< 0.5	2	624	< 1	20	< 2	104	1.69	< 2	28	111	< 0.5	< 2	1.81
1320060147 Dup									< 0.2	< 0.5	2	649	< 1	19	< 2	108	1.77	3	37	117	< 0.5	< 2	1.88
GC22-0529-001 Orig			80.3		114	3.37	33.92																

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.31	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0529-001 Dup			76.9		111	3.27	33.92																
GC22-0547-011 Orig	185																						
GC22-0547-011 Dup	189																						
GC22-0531-004 Orig																							
GC22-0531-004 Dup																							
GC22-5106-001 Orig									< 0.2	< 0.5	23	631	< 1	7	2	106	1.78	24	24	32	< 0.5	3	0.97
GC22-5106-001 Dup									0.2	< 0.5	22	637	< 1	9	2	110	1.79	19	24	33	< 0.5	2	0.97
GC22-5051-006 Orig	526																						
GC22-5051-006 Dup	585																						
GC22-0488-006 Orig																							
GC22-0488-006 Dup																							
1321078135 Orig								0.35															
1321078135 Dup								0.33															
1321081001 Orig	42								0.5	1.6	52	1680	< 1	43	10	384	3.89	11	29	46	< 0.5	< 2	3.70
1321081001 Dup	41								0.5	1.3	50	1670	< 1	46	12	356	3.86	9	31	46	< 0.5	< 2	3.67
1321081079 Orig								2.42															
1321081079 Dup								2.29															
GC22-0324-001 Orig																							
GC22-0324-001 Dup																							
GC22-0463-011 Orig		None	65.0		65.6	118	0.56																
GC22-0463-011 Dup		None	64.6		65.2	117	0.56																
GC22-2055-012 Orig	172																						
GC22-2055-012 Dup	173																						
GC22-0503-012 Orig																							
GC22-0503-012 Dup																							
1320057001 Orig								0.37	0.4	0.8	18	981	< 1	5	87	228	1.31	43	27	23	< 0.5	< 2	1.65
1320057001 Dup								0.33	0.5	1.0	19	1010	< 1	6	87	275	1.37	43	35	24	< 0.5	< 2	1.69
1313008128 Orig	89							0.33															
1313008128 Dup	85							0.36															
1313007340 Orig				9.03																			
1313007340 Dup				9.02																			
GC22-5073-010 Orig																							
GC22-5073-010 Dup																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.31	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1320054032 Orig	365																						
1320054032 Dup	402																						
1313004032 Orig								0.51															
1313004032 Dup								0.56															
GC22-5069-010 Orig									0.5	5.7	30	854	< 1	1	4	1490	2.67	18	28	36	< 0.5	< 2	1.23
GC22-5069-010 Dup									0.6	5.4	32	848	< 1	1	4	1530	2.64	16	27	36	< 0.5	< 2	1.22
GC22-5070-008 Orig	74																						
GC22-5070-008 Dup	61																						
GC22-0461-001 Orig								0.78															
GC22-0461-001 Dup								0.78															
1320058179 Orig									1.1	5.3	53	825	< 1	7	81	1690	1.36	25	22	48	< 0.5	< 2	0.91
1320058179 Dup									1.0	5.4	53	813	< 1	7	80	1670	1.33	24	23	49	< 0.5	< 2	0.89
1313009418 Orig		Slight	4.92		38.7	1.15	33.82																
1313009418 Dup		Slight	4.29		38.1	1.13	33.82																
1313006009 Orig	183																						
1313006009 Dup	198																						
GC22-0636-010 Orig																							
GC22-0636-010 Dup																							
1320058061 Orig								0.58															
1320058061 Dup								0.61															
1432080073 Orig	57								< 0.2	< 0.5	83	513	3	10	< 2	36	1.17	< 2	21	29	< 0.5	< 2	2.05
1432080073 Dup	58								0.6	< 0.5	85	506	3	11	< 2	36	1.14	< 2	21	28	< 0.5	< 2	2.02
1432080143 Orig																							
1432080143 Dup																							
1432080097 Orig								0.52															
1432080097 Dup								0.54															
1320061611 Orig																							
1320061611 Dup																							
1320060089 Orig									0.2	< 0.5	10	626	< 1	10	4	133	1.10	8	31	62	< 0.5	< 2	1.42
1320060089 Dup									< 0.2	< 0.5	10	623	1	9	4	132	1.10	12	27	61	< 0.5	< 2	1.42
1432027269 Orig								0.63															
1432027269 Dup								0.64															
GC22-0422-002 Orig																							
GC22-0422-002 Dup																							
GC22-0496-009FD Orig	870																						
GC22-0496-009FD Dup	923																						
1432027316 Orig								0.51															
1432027316 Dup								0.49															
1320058155 Orig									0.9	0.9	47	643	2	6	90	268	1.20	55	25	28	< 0.5	< 2	0.83
1320058155 Dup									0.8	0.9	46	651	< 1	6	90	265	1.21	56	22	28	< 0.5	< 2	0.84

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.31	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1320054004 Orig																							
1320054004 Dup																							
1432080198 Orig																							
1432080198 Dup																							
1320054221 Orig	7	Slight	40.9		41.1	263	< 0.31																
1320054221 Dup	5	Slight	41.9		42.1	269	< 0.31																
GC22-5092-001 Orig				9.03																			
GC22-5092-001 Dup				9.04																			
GC22-5037-005 Orig								0.38															
GC22-5037-005 Dup								0.38															
1432080125 Orig																							
1432080125 Dup																							
1320054170 Orig	32								< 0.2	< 0.5	14	476	< 1	4	13	112	1.91	10	30	40	< 0.5	< 2	1.25
1320054170 Dup	31								0.2	< 0.5	15	492	< 1	5	13	117	2.02	12	27	42	< 0.5	< 2	1.31
1320054011 Orig								0.42															
1320054011 Dup								0.43															
1320054011 Orig								0.50															
1320054011 Dup								0.52															
1432026151 Orig																							
1432026151 Dup																							
1320062801 Orig									< 0.2	1.4	30	481	1	7	5	382	1.23	7	31	51	< 0.5	< 2	1.31
1320062801 Dup									0.2	1.3	30	485	1	7	4	385	1.24	6	32	51	< 0.5	< 2	1.32
GC22-5054-025 Orig								0.56															
GC22-5054-025 Dup								0.60															
GC22-0638-014 Orig	366																						
GC22-0638-014 Dup	450																						
GC22-5093-021 Orig								0.57															
GC22-5093-021 Dup								0.56															
1432027241 Orig									1.1	2.2	48	846	< 1	10	64	541	0.88	37	24	27	< 0.5	< 2	0.73
1432027241 Dup									1.3	2.2	50	839	2	12	61	535	0.86	34	25	32	< 0.5	< 2	0.72
1313003193 Orig	125																						
1313003193 Dup	131																						
1313002001 Orig		None	-32.6		9.25	0.221	41.80																
1313002001 Dup		None	-32.6		9.23	0.221	41.80																
GC22-0478-009 Orig								0.43															
GC22-0478-009 Dup								0.38															
GC22-0335-012 Orig																							
GC22-0335-012 Dup																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.31	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1313003127 Orig																							
1313003127 Dup																							
GC22-0352-001 Orig		Slight	30.3	8.56	101	1.43	71.05																
GC22-0352-001 Dup		Slight	31.6	8.56	103	1.45	71.05																
Method Blank	< 5																						
Method Blank	< 5																						
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Method Blank	< 5																						
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	35	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	39	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	45	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	46	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	42	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	45	< 10	< 0.5	< 2	< 0.01
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GXR-6 Meas	13	76	5.92	20	< 1	1.04	10	0.38	0.063	0.034	0.01	6	22	30		< 1	< 2	< 10	167	< 10	7	10	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
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BaSO4 Meas																							
BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas	105											20											
OREAS 98 (Aqua Regia) Cert	111											15											
OREAS 98 (Aqua Regia) Meas	108											22											
OREAS 98 (Aqua Regia) Cert	111											15											
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
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RTS-3a Meas																							
RTS-3a Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.06
GS311-4 Cert																							1.11
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
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SiO2 Meas																							0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	20	43	5.29	< 10		0.39	34	1.30	0.004	0.065	0.39	2	3	16			< 2	< 10	32	< 10	26	23	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	18	42	5.36	< 10		0.41	36	1.31	0.020	0.061	0.38	3	4	16			< 2	< 10	32	< 10	26	16	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	23	39	6.02	< 10		0.33	30	1.38		0.062	0.69	4	3	14			< 2	< 10	31	< 10	23	27	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	21	39	6.25	< 10		0.35	33	1.40		0.059	0.69	2	4	15			< 2	< 10	32	< 10	23	18	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas	46										3.93	7											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	49										4.18	8											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	46										3.84	8											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	39	322	14.0	20	< 1	0.09	< 10	0.17	0.007	0.021	0.02		27	14	0.11		< 2	< 10	190		7	17	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	40	327	14.1	20	< 1	0.09	< 10	0.17	0.007	0.021	0.02		27	14	0.11		< 2	< 10	193		7	15	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	39	338	14.7	20	< 1	0.10	11	0.17	0.036	0.021	0.02		30	15	0.15		< 2	< 10	207		8	21	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							8.05
GS317-5 Cert																							8.46
GS317-5 Meas																							8.18
GS317-5 Cert																							8.46
GS317-5 Meas																							7.91
GS317-5 Cert																							8.46
GS317-5 Meas																							8.16
GS317-5 Cert																							8.46
GS317-5 Meas																							8.29
GS317-5 Cert																							8.46
GS317-5 Meas																							8.27
GS317-5 Cert																							8.46
GS317-5 Meas																							8.39
GS317-5 Cert																							8.46
GS317-5 Meas																							8.64
GS317-5 Cert																							8.46
GS317-5 Meas																							8.42
GS317-5 Cert																							8.46
GS317-5 Meas																							8.34
GS317-5 Cert																							8.46
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas	13	16	2.57	< 10	2	0.27	23	0.26	0.025	0.030	2.54	67		18			< 2	< 10	8	< 10	10	53	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.12	0.031	2.47	62		20			0.5	2.2	7	0.79	6.9	57	
Oreas 620 (Aqua Regia) Meas	13	16	2.70	< 10	3	0.28	25	0.26	0.120	0.029	2.54	67		19			< 2	< 10	8	< 10	10	37	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
1320060134 Orig																							0.68
1320060134 Dup																							0.69
1320060147 Orig	12	13	2.91	< 10	< 1	0.42	23	1.23	0.066	0.066	0.49	< 2	4	110	0.14	< 1	< 2	< 10	51	< 10	6	15	
1320060147 Dup	13	13	3.04	< 10	< 1	0.44	24	1.28	0.069	0.069	0.51	< 2	5	115	0.15	< 1	< 2	< 10	53	< 10	6	15	
GC22-0529-001 Orig																							
GC22-0529-001 Dup																							
GC22-0547-011 Orig																							
GC22-0547-011 Dup																							
GC22-0531-004 Orig																							0.25
GC22-0531-004 Dup																							0.24
GC22-5106-001 Orig	7	6	2.96	< 10	< 1	0.17	12	1.42	0.055	0.045	2.00	3	1	32	< 0.01	< 1	< 2	< 10	10	< 10	5	16	
GC22-5106-001	7	6	2.98	< 10	< 1	0.17	13	1.42	0.055	0.044	2.02	2	1	32	< 0.01	2	< 2	< 10	10	< 10	5	16	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Dup																							
GC22-5051-006 Orig																							
GC22-5051-006 Dup																							
GC22-0488-006 Orig																							0.08
GC22-0488-006 Dup																							0.08
1321078135 Orig																							
1321078135 Dup																							
1321081001 Orig	27	50	7.82	10	< 1	0.48	< 10	1.86	0.315	0.064	1.60	6	13	162	0.17	6	< 2	< 10	152	< 10	14	5	
1321081001 Dup	26	49	7.78	10	< 1	0.47	< 10	1.84	0.314	0.065	1.57	4	13	163	0.17	< 1	< 2	< 10	154	< 10	14	5	
1321081079 Orig																							
1321081079 Dup																							
GC22-0324-001 Orig																							0.05
GC22-0324-001 Dup																							0.05
GC22-0463-011 Orig																							
GC22-0463-011 Dup																							
GC22-2055-012 Orig																							
GC22-2055-012 Dup																							
GC22-0503-012 Orig																							1.07
GC22-0503-012 Dup																							1.10
1320057001 Orig	6	4	1.69	< 10	< 1	0.15	14	0.59	0.034	0.036	1.30	2	< 1	25	0.04	2	< 2	< 10	5	< 10	3	13	
1320057001 Dup	6	5	1.74	< 10	< 1	0.15	14	0.61	0.036	0.037	1.32	3	< 1	26	0.04	< 1	< 2	< 10	6	< 10	3	14	
1313008128 Orig																							0.20
1313008128 Dup																							0.20
1313007340 Orig																							
1313007340 Dup																							
GC22-5073-010 Orig																							0.08
GC22-5073-010 Dup																							0.08
1320054032 Orig																							
1320054032 Dup																							
1313004032 Orig																							
1313004032 Dup																							
GC22-5069-010 Orig	5	4	2.70	< 10	< 1	0.15	18	1.28	0.137	0.047	1.19	< 2	< 1	60	0.03	3	< 2	< 10	9	< 10	4	11	
GC22-5069-010 Dup	5	4	2.63	< 10	< 1	0.15	19	1.26	0.136	0.046	1.14	< 2	< 1	60	0.03	< 1	< 2	< 10	9	< 10	4	11	
GC22-5070-008 Orig																							0.05
GC22-5070-008 Dup																							0.06
GC22-0461-001 Orig																							
GC22-0461-001																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Dup																							
1320058179 Orig	7	5	1.98	< 10	< 1	0.21	17	0.60	0.029	0.039	1.34	2	< 1	25	< 0.01	< 1	< 2	< 10	6	< 10	3	7	
1320058179 Dup	7	5	1.94	< 10	< 1	0.20	17	0.59	0.028	0.038	1.32	2	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	3	8	
1313009418 Orig																							
1313009418 Dup																							
1313006009 Orig																							
1313006009 Dup																							
GC22-0636-010 Orig																							0.06
GC22-0636-010 Dup																							0.04
1320058061 Orig																							
1320058061 Dup																							
1432080073 Orig	4	8	1.86	< 10	< 1	0.13	12	0.95	0.049	0.050	0.87	< 2	< 1	52	< 0.01	< 1	< 2	< 10	8	< 10	3	5	
1432080073 Dup	4	8	1.83	< 10	< 1	0.12	12	0.94	0.048	0.049	0.86	3	< 1	52	< 0.01	< 1	< 2	< 10	8	< 10	3	5	
1432080143 Orig																							1.09
1432080143 Dup																							1.10
1432080097 Orig																							
1432080097 Dup																							
1320061611 Orig																							0.47
1320061611 Dup																							0.47
1320060089 Orig	8	7	1.86	< 10	< 1	0.21	14	0.58	0.052	0.038	0.58	< 2	< 1	38	0.05	< 1	< 2	< 10	13	< 10	4	10	
1320060089 Dup	8	8	1.86	< 10	< 1	0.21	14	0.58	0.052	0.039	0.58	< 2	1	37	0.05	1	< 2	< 10	13	< 10	4	9	
1432027269 Orig																							
1432027269 Dup																							
GC22-0422-002 Orig																							0.42
GC22-0422-002 Dup																							0.41
GC22-0496-009FD Orig																							
GC22-0496-009FD Dup																							
1432027316 Orig																							
1432027316 Dup																							
1320058155 Orig	7	3	1.84	< 10	< 1	0.17	15	0.45	0.045	0.037	1.64	< 2	< 1	28	< 0.01	1	< 2	< 10	4	< 10	3	12	
1320058155 Dup	7	3	1.86	< 10	< 1	0.17	15	0.45	0.046	0.037	1.66	2	< 1	29	< 0.01	< 1	< 2	< 10	4	< 10	3	9	
1320054004 Orig																							
1320054004 Dup																							
1432080198 Orig																							1.23
1432080198 Dup																							1.22
1320054221 Orig																							
1320054221 Dup																							
GC22-5092-001 Orig																							
GC22-5092-001 Dup																							
GC22-5037-005 Orig																							
GC22-5037-005 Dup																							
1432080125 Orig																							0.76
1432080125 Dup																							0.76
1320054170 Orig	6	4	1.92	< 10	< 1	0.16	16	0.67	0.170	0.043	0.36	2	1	118	0.05	< 1	< 2	< 10	15	< 10	4	6	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1320054170 Dup	7	4	2.03	< 10	< 1	0.17	17	0.70	0.179	0.046	0.40	3	1	123	0.05	< 1	< 2	< 10	15	< 10	4	7	
1320054011 Orig																							
1320054011 Dup																							
1320054011 Orig																							
1320054011 Dup																							
1432026151 Orig																							0.52
1432026151 Dup																							0.52
1320062801 Orig	7	10	2.25	< 10	< 1	0.19	13	0.77	0.046	0.038	0.29	< 2	2	27	0.05	< 1	< 2	< 10	19	< 10	5	6	
1320062801 Dup	7	11	2.27	< 10	< 1	0.19	12	0.77	0.046	0.038	0.29	2	2	27	0.05	2	< 2	< 10	20	< 10	5	7	
GC22-5054-025 Orig																							
GC22-5054-025 Dup																							
GC22-0638-014 Orig																							0.09
GC22-0638-014 Dup																							0.11
GC22-5093-021 Orig																							
GC22-5093-021 Dup																							
1432027241 Orig	9	6	2.54	< 10	1	0.15	< 10	0.53	0.034	0.040	2.11	3	< 1	29	0.01	< 1	< 2	< 10	13	< 10	2	10	
1432027241 Dup	9	7	2.49	< 10	< 1	0.15	< 10	0.53	0.034	0.039	2.03	3	< 1	28	0.01	< 1	< 2	< 10	13	< 10	2	10	
1313003193 Orig																							0.28
1313003193 Dup																							0.27
1313002001 Orig																							
1313002001 Dup																							
GC22-0478-009 Orig																							
GC22-0478-009 Dup																							
GC22-0335-012 Orig																							0.24
GC22-0335-012 Dup																							0.25
1313003127 Orig																							0.15
1313003127 Dup																							0.16
GC22-0352-001 Orig																							
GC22-0352-001 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GXR-6 Meas		
GXR-6 Cert		
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
RTS-3a Cert		
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.58	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.58	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.58	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.52	
GS311-4 Cert	0.54	
GS311-4 Meas	0.49	
GS311-4 Cert	0.54	
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.01	
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.95
OREAS 229b (Fire Assay) Meas		12.4
OREAS 229b (Fire Assay) Cert		11.95
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.32	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
OREAS 257b (Fire Assay) Meas		14.2
OREAS 257b (Fire Assay) Cert		14.220
OREAS 257b (Fire Assay) Meas		14.5
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	14.6	
GS317-5 Cert	15.5	
GS317-5 Meas	14.6	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
1320060134 Orig	0.71	
1320060134 Dup	0.68	
1320060147 Orig		
1320060147 Dup		
GC22-0529-001 Orig		
GC22-0529-001 Dup		
GC22-0547-011 Orig		
GC22-0547-011 Dup		
GC22-0531-004 Orig	1.05	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0531-004 Dup	1.03	
GC22-5106-001 Orig		
GC22-5106-001 Dup		
GC22-5051-006 Orig		
GC22-5051-006 Dup		
GC22-0488-006 Orig	1.55	
GC22-0488-006 Dup	1.56	
1321078135 Orig		
1321078135 Dup		
1321081001 Orig		
1321081001 Dup		
1321081079 Orig		
1321081079 Dup		
GC22-0324-001 Orig	2.10	
GC22-0324-001 Dup	2.24	
GC22-0463-011 Orig		
GC22-0463-011 Dup		
GC22-2055-012 Orig		
GC22-2055-012 Dup		
GC22-0503-012 Orig	0.60	
GC22-0503-012 Dup	0.62	
1320057001 Orig		
1320057001 Dup		
1313008128 Orig	1.16	
1313008128 Dup	1.15	
1313007340 Orig		
1313007340 Dup		
GC22-5073-010 Orig	0.07	
GC22-5073-010 Dup	0.07	
1320054032 Orig		
1320054032 Dup		
1313004032 Orig		
1313004032 Dup		
GC22-5069-010 Orig		
GC22-5069-010 Dup		
GC22-5070-008	2.10	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Orig		
GC22-5070-008 Dup	2.13	
GC22-0461-001 Orig		
GC22-0461-001 Dup		
1320058179 Orig		
1320058179 Dup		
1313009418 Orig		
1313009418 Dup		
1313006009 Orig		
1313006009 Dup		
GC22-0636-010 Orig	1.04	
GC22-0636-010 Dup	0.86	
1320058061 Orig		
1320058061 Dup		
1432080073 Orig		
1432080073 Dup		
1432080143 Orig	0.76	
1432080143 Dup	0.76	
1432080097 Orig		
1432080097 Dup		
1320061611 Orig	0.19	
1320061611 Dup	0.20	
1320060089 Orig		
1320060089 Dup		
1432027269 Orig		
1432027269 Dup		
GC22-0422-002 Orig	1.79	
GC22-0422-002 Dup	1.71	
GC22-0496-009FD Orig		
GC22-0496-009FD Dup		
1432027316 Orig		
1432027316 Dup		
1320058155 Orig		
1320058155 Dup		
1320054004 Orig		12.3
1320054004 Dup		12.8
1432080198 Orig	1.97	
1432080198 Dup	1.96	
1320054221 Orig		
1320054221 Dup		
GC22-5092-001 Orig		
GC22-5092-001 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-5037-005 Orig		
GC22-5037-005 Dup		
1432080125 Orig	2.26	
1432080125 Dup	2.11	
1320054170 Orig		
1320054170 Dup		
1320054011 Orig	1.17	
1320054011 Dup	1.20	
1320054011 Orig		
1320054011 Dup		
1432026151 Orig	1.89	
1432026151 Dup	1.87	
1320062801 Orig		
1320062801 Dup		
GC22-5054-025 Orig		
GC22-5054-025 Dup		
GC22-0638-014 Orig	1.81	
GC22-0638-014 Dup	1.82	
GC22-5093-021 Orig		
GC22-5093-021 Dup		
1432027241 Orig		
1432027241 Dup		
1313003193 Orig	0.76	
1313003193 Dup	0.76	
1313002001 Orig		
1313002001 Dup		
GC22-0478-009 Orig		
GC22-0478-009 Dup		
GC22-0335-012 Orig	2.21	
GC22-0335-012 Dup	2.23	
1313003127 Orig	0.94	
1313003127 Dup	0.89	
GC22-0352-001 Orig		
GC22-0352-001 Dup		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-16738**
Report Date: **15-Feb-23**
Date Submitted: **10-Nov-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre
555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

181 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2022-12-30 11:16:55
4F-C, S	Infrared	2022-12-19 21:52:12

REPORT **A22-16738**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: no material for sample 1322047145. Sample F010308 and F010327 are insufficient for further analysis.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A22-16738**
Report Date: **15-Feb-23**
Date Submitted: **10-Nov-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre
555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

181 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-11-30 13:17:00
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-11-29 16:11:21

REPORT **A22-16738**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: no material for sample 1322047145. Sample F010308 and F010327 are insufficient for further analysis.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1431001714	51	Slight	104	9.02	139	4.05	34.18	0.77	0.2	< 0.5	68	1340	< 1	176	< 2	112	4.23	5	20	26	< 0.5	3	3.36
1431001627	155	Slight	75.0	8.64	129	2.38	54.45	1.19	0.3	1.3	61	1810	< 1	182	3	279	4.35	14	23	< 10	< 0.5	2	3.32
1323065092	178	None	19.8	8.99	36.8	2.16	17.01	1.00	0.2	< 0.5	132	1270	2	54	3	260	3.32	4	26	51	< 0.5	< 2	2.59
1431001560	76	Slight	114	8.82	136	6.19	21.89	1.07	0.2	< 0.5	57	1740	< 1	219	< 2	120	4.67	13	22	12	< 0.5	< 2	3.68
1323065033	148	Slight	15.0	8.87	53.4	1.39	38.40	0.88	0.4	< 0.5	163	1150	2	43	3	190	3.00	10	22	27	< 0.5	< 2	1.96
1431001641	44	Slight	93.6	9.02	129	3.67	35.12	0.95	< 0.2	< 0.5	91	1700	< 1	151	2	171	4.15	13	19	< 10	< 0.5	< 2	3.53
1323065025	243	None	-86.5	8.11	29.2	0.252	115.73	2.01	0.7	2.6	168	1190	< 1	40	5	804	3.11	32	24	14	< 0.5	< 2	1.19
1431003217	70	Slight	-1.77	8.95	91.3	0.981	93.04	1.50	< 0.2	< 0.5	13	761	< 1	43	2	52	1.37	5	17	19	< 0.5	< 2	2.90
1431003379	63	Slight	29.7	9.49	74.6	1.66	44.88	0.61	< 0.2	< 0.5	30	520	2	17	7	57	1.15	4	19	21	< 0.5	< 2	2.38
1320053035	618	Slight	-1.99	9.17	39.7	0.952	41.69	0.76	0.5	6.7	127	1020	2	6	69	1700	1.33	37	26	25	< 0.5	< 2	1.54
1431003328	72	Slight	-2.56	8.78	80.1	0.969	82.71	2.48	< 0.2	< 0.5	64	807	2	39	2	65	1.08	6	21	13	< 0.5	< 2	2.57
1431001148	648	Slight	45.0	8.56	134	1.50	89.07	1.79	0.7	< 0.5	248	1460	< 1	60	< 2	144	3.74	8	23	< 10	< 0.5	< 2	3.20
1323065110	44	Slight	49.4	9.38	59.7	5.79	10.31	0.62	0.2	0.9	41	1100	< 1	21	4	250	3.47	7	30	105	< 0.5	< 2	2.62
1431001613	225	Slight	114	9.16	140	5.28	26.51	0.83	0.4	< 0.5	64	1460	< 1	161	2	151	5.29	20	18	< 10	< 0.5	< 2	3.74
1323065116	19	Slight	52.2	9.34	62.5	6.08	10.27	0.59	< 0.2	< 0.5	57	938	< 1	25	3	152	3.00	4	27	51	< 0.5	< 2	2.57
1431001150	30	Slight	8.16	8.93	100	1.09	92.14	1.23	< 0.2	< 0.5	85	1390	< 1	57	< 2	103	3.28	5	16	12	< 0.5	2	2.59
1431001725	56	Slight	-1.65	8.50	98.3	0.983	99.92	2.83	0.3	< 0.5	71	1680	< 1	65	< 2	139	3.18	24	19	13	< 0.5	< 2	2.62
1320053097	317	None	-28.2	8.97	19.6	0.411	47.83	0.63	0.3	6.1	81	759	2	5	92	1810	1.41	41	23	17	< 0.5	< 2	0.90
1431003304	17	None	-4.02	9.53	48.8	0.924	52.80	0.59	< 0.2	< 0.5	25	269	3	9	2	24	1.19	4	19	19	< 0.5	< 2	1.83
1431003332	50	Slight	2.87	8.82	89.4	1.03	86.54	2.33	< 0.2	< 0.5	79	786	5	31	3	63	1.66	< 2	15	15	< 0.5	< 2	2.54
1431003204	71	Slight	6.89	8.77	117	1.06	109.78	4.33	0.3	< 0.5	199	999	1	47	< 2	73	2.37	6	15	13	< 0.5	< 2	2.61
F010308	> 5000																						
F010327	> 5000																						
1431001704	91	Slight	8.03	8.53	112	1.08	104.39	3.55	0.2	< 0.5	62	1820	< 1	64	< 2	143	3.04	9	19	14	< 0.5	< 2	2.50
1431003368	38	None	7.87	9.07	71.8	1.12	63.98	0.80	< 0.2	< 0.5	42	640	4	29	< 2	60	1.21	3	19	15	< 0.5	< 2	2.57
1431001735	61	Slight	-37.3	8.51	91.3	0.710	128.57	4.88	< 0.2	< 0.5	17	1160	< 1	60	2	124	2.37	5	19	< 10	< 0.5	< 2	2.20
1320053039	297	Slight	-2.94	9.10	47.8	0.942	50.75	0.73	1.8	9.1	99	969	< 1	4	355	2210	0.89	87	21	19	< 0.5	< 2	1.63
1431003009	29	Slight	22.0	9.59	48.5	1.83	26.54	0.36	< 0.2	< 0.5	30	347	3	7	3	28	1.09	4	21	32	< 0.5	< 2	1.85
1431003022	33	Slight	32.3	9.69	46.8	3.23	14.47	0.34	0.2	< 0.5	43	327	2	7	8	33	1.12	2	22	48	< 0.5	< 2	1.82
1431003026	21	Slight	33.5	9.49	51.6	2.86	18.03	0.32	< 0.2	< 0.5	23	375	< 1	10	2	40	1.32	13	26	23	< 0.5	< 2	1.96
1432086002	140	None	31.4	9.01	68.3	1.85	36.93	0.72	0.8	1.2	205	866	6	14	5	359	1.58	35	23	24	< 0.5	< 2	2.21
1431003070	80	Slight	-34.6	8.40	119	0.774	153.55	5.93	< 0.2	< 0.5	51	1010	< 1	63	3	98	1.82	6	14	< 10	< 0.5	< 2	3.34
1431004048	41	Slight	10.2	9.21	48.4	1.27	38.14	0.43	< 0.2	< 0.5	56	444	2	8	< 2	25	1.04	4	22	23	< 0.5	< 2	1.73
1431004140	21	Slight	36.2	9.41	50.0	3.64	13.73	0.30	< 0.2	< 0.5	62	263	1	6	2	29	0.97	< 2	22	36	< 0.5	< 2	1.85
1431003080	26	Slight	29.2	9.38	45.4	2.80	16.23	0.26	< 0.2	< 0.5	60	360	2	8	2	29	1.21	4	23	27	< 0.5	< 2	1.55
1431003013	16	Slight	78.1	9.72	85.9	11.0	7.80	0.51	< 0.2	< 0.5	5	484	< 1	7	< 2	39	1.07	< 2	17	23	< 0.5	< 2	2.68
1431003210	40	Slight	42.0	9.33	73.4	2.34	31.36	0.47	0.2	< 0.5	23	560	< 1	13	10	77	1.11	4	20	27	< 0.5	< 2	2.45
1431003150	42	Slight	9.51	9.25	47.3	1.25	37.79	0.47	< 0.2	< 0.5	148	380	5	11	3	37	1.22	3	19	25	< 0.5	< 2	1.81
1431003321	43	Slight	-16.7	8.78	109	0.868	126.02	3.60	0.3	< 0.5	120	1180	< 1	51	6	115	2.87	7	19	12	< 0.5	< 2	2.56
1431004004	87	None	-4.73	9.43	25.7	0.845	30.46	0.41	0.2	< 0.5	47	460	1	18	5	105	1.68	5	26	28	< 0.5	< 2	1.29
1431004042	90	None	-11.2	9.18	33.8	0.751	45.05	0.54	0.4	< 0.5	52	345	2	11	6	63	1.47	8	21	21	< 0.5	< 2	1.53
1431004161	37	Slight	37.7	9.50	55.7	3.11	17.92	0.42	< 0.2	< 0.5	95	384	< 1	7	< 2	25	0.95	4	22	32	< 0.5	< 2	1.88
1431004146	49	None	-8.44	9.40	44.8	0.842	53.27	0.81	< 0.2	< 0.5	89	489	3	17	< 2	45	1.39	5	20	24	< 0.5	< 2	2.44
1431004228	23	None	20.6	9.44	44.3	1.87	23.74	0.37	< 0.2	< 0.5	64	303	2	10	< 2	36	1.18	< 2	18	24	< 0.5	< 2	1.80
F010328	331																						
F010332	333																						
1315013044	1790	None	-20.4	9.13	9.21	0.311	29.63	0.35	0.3	< 0.5	82	499	< 1	5	4	53	1.84	9	22	31	< 0.5	< 2	0.60
1315014038	10	None	0.936	9.07	2.99	1.46	2.05	0.15	< 0.2	< 0.5	125	409	< 1	41	< 2	43	5.02	< 2	26	11	< 0.5	< 2	2.94
1315014085	8	None	12.0	8.93	14.7	5.48	2.68	0.23	< 0.2	< 0.5	122	586	< 1	52	3	82	4.07	< 2	28	< 10	< 0.5	< 2	2.40

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1315014025	106	None	-58.5	8.65	12.7	0.178	71.15	0.64	0.3	< 0.5	57	306	2	9	5	39	2.36	9	19	16	< 0.5	4	1.03
1322047206	9	Slight	55.3	9.39	71.5	4.42	16.18	0.52	< 0.2	< 0.5	9	801	< 1	27	4	121	1.98	3	26	71	< 0.5	< 2	2.79
1315014005	46	None	-36.5	8.90	9.43	0.205	45.92	0.47	< 0.2	< 0.5	68	307	< 1	14	< 2	28	2.93	5	24	19	< 0.5	< 2	1.73
1315014080	25	None	-2.27	9.28	8.43	0.788	10.70	0.23	< 0.2	< 0.5	99	389	< 1	34	< 2	47	4.67	< 2	30	40	< 0.5	< 2	2.62
1315014061	101	None	-52.7	8.82	11.1	0.174	63.88	0.59	0.4	< 0.5	131	290	4	6	6	46	2.14	9	23	16	< 0.5	3	1.11
1431005028	23	Slight	17.9	9.25	36.3	1.97	18.41	0.28	0.4	< 0.5	44	282	1	10	12	22	1.01	< 2	26	41	< 0.5	< 2	1.50
1315014044	< 5	None	13.1	9.09	13.7	20.9	0.66	0.13	< 0.2	< 0.5	108	401	< 1	46	< 2	41	5.08	< 2	26	< 10	< 0.5	< 2	2.96
1322047202	10	Slight	26.1	9.39	41.8	2.67	15.66	0.36	< 0.2	< 0.5	54	798	< 1	14	3	105	1.60	3	23	70	< 0.5	< 2	2.00
1431003382	14	Slight	34.0	9.30	68.8	1.98	34.79	0.52	< 0.2	< 0.5	25	384	< 1	11	< 2	33	0.94	3	21	28	< 0.5	< 2	2.43
1431003371	15	Slight	17.7	9.15	63.7	1.38	46.07	0.51	< 0.2	< 0.5	18	447	2	23	< 2	42	1.19	< 2	20	24	< 0.5	< 2	2.37
1322047194	13	Slight	31.1	9.35	52.3	2.46	21.20	0.44	< 0.2	< 0.5	16	808	< 1	15	7	173	1.52	11	27	49	< 0.5	< 2	2.16
1322047122	7	Slight	53.3	9.55	62.1	7.05	8.81	0.35	< 0.2	0.9	13	836	< 1	14	3	269	1.41	2	30	70	< 0.5	< 2	2.18
1315015141	80	None	-33.3	8.83	11.2	0.251	44.49	0.49	0.2	0.9	43	460	< 1	7	2	309	1.85	15	21	20	< 0.5	< 2	0.67
1322047213	19	Slight	28.2	9.37	47.6	2.46	19.33	0.32	< 0.2	< 0.5	19	907	< 1	13	2	106	1.50	5	28	42	< 0.5	< 2	2.04
1431003343	73	Slight	-7.20	8.78	79.4	0.917	86.61	1.04	< 0.2	< 0.5	93	741	< 1	33	4	58	1.98	5	17	20	< 0.5	< 2	3.00
1431005679	130	Slight	55.8	8.89	94.6	2.44	38.80	0.95	0.6	< 0.5	58	1190	< 1	130	4	91	3.20	16	22	11	< 0.5	< 2	3.10
1430097001	35	None	-26.5	8.92	28.5	0.519	55.00	0.77	< 0.2	< 0.5	53	1180	< 1	24	< 2	69	1.56	3	16	12	< 0.5	< 2	0.98
1431003298	110	None	-15.0	8.81	67.6	0.818	82.61	0.88	< 0.2	< 0.5	17	396	< 1	19	7	50	1.40	7	19	13	< 0.5	< 2	2.04
F010330	1060																						
F010334	1050																						
1431004108	58	Slight	18.3	9.62	47.9	1.62	29.59	0.47	0.2	< 0.5	59	366	1	10	4	51	1.20	5	23	28	< 0.5	< 2	1.81
1431003090	28	None	6.56	9.25	37.0	1.22	30.45	0.45	< 0.2	< 0.5	109	303	5	9	3	32	0.99	2	23	25	< 0.5	< 2	1.48
1431003086	30	Slight	16.8	9.33	48.4	1.53	31.54	0.47	< 0.2	< 0.5	33	357	3	9	< 2	35	1.10	< 2	23	31	< 0.5	< 2	1.91
1431004169	49	Slight	25.2	9.41	61.8	1.69	36.56	0.59	< 0.2	< 0.5	22	404	< 1	7	< 2	23	1.04	6	17	26	< 0.5	< 2	2.29
1431003058	24	Slight	42.0	9.70	60.8	3.23	18.79	0.42	< 0.2	< 0.5	23	477	< 1	12	< 2	39	1.39	2	21	34	< 0.5	< 2	2.32
1431004111	77	None	10.7	9.54	34.7	1.44	24.06	0.43	0.3	< 0.5	101	335	< 1	9	9	49	1.29	5	20	28	< 0.5	< 2	2.00
1431005676	77	Slight	31.0	9.60	42.1	3.79	11.10	0.33	< 0.2	< 0.5	45	353	< 1	6	< 2	26	1.27	3	22	37	< 0.5	< 2	1.72
1431004017	21	Slight	49.5	9.26	66.9	3.84	17.44	0.65	< 0.2	< 0.5	38	339	1	7	< 2	26	0.83	2	22	35	< 0.5	< 2	2.11
1431005620	67	Slight	169	8.44	196	7.30	26.82	0.98	0.3	< 0.5	71	1160	< 1	205	< 2	81	4.11	9	23	< 10	< 0.5	2	5.06
1315013097	115	None	-57.5	8.44	13.2	0.187	70.71	0.63	0.3	< 0.5	120	691	< 1	9	3	102	1.89	5	19	12	< 0.5	< 2	0.78
1315013039	833	None	-56.4	8.45	10.2	0.153	66.56	1.27	1.5	< 0.5	406	334	2	9	31	56	1.71	17	22	13	< 0.5	5	0.61
1431005617	39	Slight	105	8.62	134	4.58	29.28	0.90	0.2	< 0.5	73	1030	< 1	176	< 2	74	3.28	5	19	< 10	< 0.5	< 2	4.31
1431005065	153	Slight	88.1	8.70	133	2.98	44.52	0.97	0.4	< 0.5	121	1130	< 1	188	< 2	100	4.12	8	24	28	< 0.5	< 2	3.58
1315013069	212	None	-62.8	8.65	13.5	0.176	76.29	0.68	0.2	< 0.5	52	626	< 1	12	4	82	2.13	5	20	13	< 0.5	< 2	0.94
1315013025	36	None	-16.1	8.93	11.5	0.417	27.57	0.49	< 0.2	< 0.5	118	432	< 1	31	2	69	4.03	< 2	24	36	< 0.5	< 2	2.24
1315013030	15	None	4.35	9.09	11.8	1.58	7.49	0.25	< 0.2	< 0.5	140	378	< 1	38	< 2	39	5.05	< 2	25	14	< 0.5	< 2	2.92
1315013015	211	None	-56.6	8.54	7.39	0.115	64.04	0.70	0.2	< 0.5	185	319	1	33	7	32	2.42	8	26	15	< 0.5	< 2	1.29
1315013059	110	None	-44.8	8.60	14.8	0.248	59.65	0.59	0.5	< 0.5	84	536	< 1	13	3	82	2.21	8	25	15	< 0.5	< 2	1.11
F010329	525																						
F010315	538																						
1430097030	265	Slight	-54.9	8.27	108	0.663	163.11	4.72	0.6	< 0.5	216	738	< 1	58	5	83	1.86	10	16	< 10	< 0.5	< 2	2.36
1322047120	18	Slight	43.0	8.87	59.1	3.67	16.10	0.64	< 0.2	0.6	57	967	< 1	18	3	212	2.06	6	33	47	< 0.5	< 2	2.29
1322047177	11	Slight	53.4	9.25	58.8	10.9	5.37	0.36	< 0.2	< 0.5	18	621	< 1	23	3	113	1.47	5	23	64	< 0.5	< 2	2.35
1322047127	27	Slight	45.1	9.31	56.1	5.09	11.04	0.45	< 0.2	< 0.5	11	756	< 1	12	4	132	1.75	6	25	41	< 0.5	< 2	2.04
1322047146	11	Slight	59.6	9.17	74.3	5.07	14.66	0.64	< 0.2	< 0.5	46	1130	< 1	29	12	208	2.75	6	29	59	< 0.5	< 2	2.65
1315015155	6	None	11.9	8.94	12.4	23.4	0.53	0.29	< 0.2	< 0.5	111	522	< 1	47	< 2	89	4.69	< 2	30	< 10	< 0.5	< 2	2.73
1430097013	68	Slight	12.4	8.89	53.7	1.30	41.34	0.69	< 0.2	< 0.5	111	354	2	18	6	57	1.30	5	20	20	< 0.5	< 2	2.16
1315015169	367	None	-51.5	8.51	5.96	0.104	57.44	0.50	0.3	< 0.5	63	332	2	7	4	55	2.43	9	21	17	< 0.5	< 2	1.09
1430097065	48	Slight	-18.7	8.19	59.3	0.760	78.07	1.11	< 0.2	< 0.5	53	368	1	23	3	34	1.15	4	18	14	< 0.5	< 2	2.02

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1322047098	20	Slight	44.5	8.89	62.8	3.42	18.36	0.56	< 0.2	< 0.5	23	973	< 1	22	< 2	151	1.79	4	26	32	< 0.5	< 2	2.24
1432083112	121	Slight	-6.80	8.70	35.2	0.838	41.97	0.54	0.8	0.7	36	582	1	13	4	198	2.33	10	23	22	< 0.5	< 2	1.81
1315015047	200	None	-39.3	8.51	26.7	0.405	65.96	0.64	0.8	< 0.5	266	481	1	4	3	122	1.71	12	20	14	< 0.5	3	0.88
1321070103	146	Slight	26.8	8.58	64.1	1.72	37.32	0.47	0.5	< 0.5	26	1230	< 1	5	55	155	1.20	52	21	25	< 0.5	< 2	1.89
1430097061	74	Slight	-67.7	8.38	82.2	0.548	149.87	2.24	0.2	< 0.5	192	577	< 1	50	< 2	56	2.22	3	17	< 10	< 0.5	< 2	1.88
1315015063	43	None	-56.4	8.36	18.0	0.242	74.41	0.63	< 0.2	< 0.5	60	440	3	10	5	104	1.89	7	21	12	< 0.5	< 2	1.31
1321070144	100	None	-16.2	8.62	33.0	0.671	49.19	0.50	0.4	0.8	18	878	< 1	6	102	216	1.14	57	22	16	< 0.5	< 2	1.32
1315015012	348	None	-44.5	8.62	15.0	0.253	59.48	0.69	2.1	3.5	412	500	1	3	4	998	1.80	20	22	17	< 0.5	3	1.05
1322047075	16	Slight	58.2	9.28	68.5	6.64	10.32	0.46	< 0.2	1.6	31	956	< 1	17	5	422	1.52	7	25	44	< 0.5	< 2	2.55
1315015098	13	None	13.5	8.90	15.4	8.18	1.88	0.23	< 0.2	< 0.5	178	489	2	38	< 2	89	5.13	< 2	28	< 10	< 0.5	< 2	3.01
1315015050	45	None	-56.4	8.36	13.7	0.195	70.04	0.58	0.2	< 0.5	84	386	7	17	5	50	1.85	4	24	14	< 0.5	< 2	1.11
1315015016	117	None	-25.0	8.70	13.0	0.341	37.99	0.45	< 0.2	< 0.5	73	341	< 1	8	< 2	53	1.89	5	22	16	< 0.5	< 2	1.02
1321070143	87	Slight	-2.16	8.78	45.2	0.954	47.37	0.51	0.3	< 0.5	39	967	1	7	44	178	1.01	62	20	19	< 0.5	< 2	1.66
1321070006	203	Slight	-0.183	8.44	39.3	0.995	39.47	0.50	0.5	0.6	26	611	< 1	7	40	243	1.07	9	24	24	< 0.5	< 2	1.52
1321070120	125	Slight	13.1	8.88	50.4	1.35	37.28	0.58	0.8	0.9	82	1130	1	56	45	354	2.45	15	25	28	< 0.5	< 2	2.30
F010642	1200																						
F010659	1220																						
1321070013	254	None	-10.6	9.07	24.6	0.699	35.22	0.52	1.2	3.7	57	701	< 1	8	266	1150	1.15	33	22	28	< 0.5	< 2	1.32
1321070086	275	Slight	26.9	8.96	60.5	1.80	33.64	0.50	0.5	< 0.5	80	1140	< 1	41	54	253	1.87	17	24	31	< 0.5	< 2	2.21
1321070036	51	Slight	5.89	8.77	43.4	1.16	37.56	0.46	0.3	< 0.5	22	897	< 1	5	50	152	1.70	33	26	25	< 0.5	< 2	1.83
1321070019	60	Slight	-3.34	8.03	37.0	0.917	40.29	0.55	1.6	1.2	19	745	1	7	27	310	0.81	50	24	23	< 0.5	< 2	1.44
1321070055	288	None	-13.6	8.30	23.9	0.637	37.44	0.45	0.7	0.6	46	679	< 1	6	102	249	1.51	35	26	24	< 0.5	< 2	1.33
1321070045	157	Slight	4.47	7.16	44.0	1.11	39.52	0.54	0.6	1.1	39	929	< 1	5	119	436	1.12	53	22	20	< 0.5	< 2	1.66
1432083061	430	Slight	-5.45	7.82	73.5	0.931	78.97	1.96	2.1	5.5	165	1330	< 1	59	3	589	3.46	13	23	20	< 0.5	< 2	2.84
1432083154	203	Slight	6.73	6.77	42.1	1.19	35.33	0.51	1.4	1.2	52	633	3	11	5	306	1.79	23	23	20	< 0.5	< 2	1.70
1432083104	171	Slight	35.5	7.62	74.4	1.91	38.95	0.74	0.7	0.6	43	891	2	30	< 2	191	2.04	13	21	23	< 0.5	< 2	2.35
1322047008	47	Slight	36.4	8.62	48.6	3.98	12.21	0.50	0.3	< 0.5	32	754	< 1	18	4	211	2.84	3	27	89	< 0.5	< 2	2.21
1432083028	85	Slight	58.8	8.54	80.8	3.68	21.92	0.64	0.3	4.0	72	814	< 1	36	5	664	3.33	5	21	44	< 0.5	< 2	3.04
1432083164	86	None	15.5	8.27	31.6	1.96	16.10	0.33	0.4	< 0.5	57	481	1	24	2	100	1.44	8	23	28	< 0.5	< 2	1.30
1322047042	10	Slight	61.8	8.14	76.4	5.20	14.69	0.54	< 0.2	0.5	54	961	< 1	22	3	214	2.39	3	27	68	< 0.5	< 2	2.44
1432083082	123	Slight	66.0	8.34	94.8	3.28	28.87	1.00	0.6	1.3	97	1080	< 1	27	3	311	2.80	10	20	28	< 0.5	< 2	3.12
1432082227	138	None	-10.3	8.27	17.7	0.633	27.91	0.44	0.9	0.9	29	757	< 1	19	5	262	1.54	20	24	28	< 0.5	< 2	0.72
1432082258	87	None	-4.92	8.26	19.7	0.800	24.58	0.47	0.8	1.1	71	445	< 1	33	6	309	1.88	10	23	31	< 0.5	< 2	1.02
1432082306	185	None	-79.7	6.99	1.22	0.0150	80.96	1.14	2.8	8.9	129	930	< 1	48	2	1580	3.36	31	20	11	< 0.5	< 2	0.25
F010627	537																						
F010660	536																						
1314004725	201	None	-17.2	8.42	17.9	0.511	35.09	0.36	0.3	< 0.5	167	360	< 1	6	2	41	3.01	3	25	20	< 0.5	3	1.02
1313001006	204	None	-6.25	8.42	31.2	0.833	37.49	0.58	< 0.2	< 0.5	79	425	< 1	20	3	54	2.13	7	22	19	< 0.5	3	1.32
1314004703	94	None	-17.8	7.90	13.1	0.424	30.89	0.35	0.3	< 0.5	102	361	1	6	< 2	49	2.52	4	23	29	< 0.5	2	0.86
1322047006	68	Slight	60.3	8.81	77.1	4.58	16.84	0.95	0.5	2.1	66	1190	< 1	34	7	559	2.43	9	20	42	< 0.5	< 2	2.54
1314004153	161	None	-55.2	7.52	10.2	0.155	65.40	0.59	0.6	< 0.5	103	326	< 1	9	6	52	1.88	23	20	12	< 0.5	2	0.87
1314004095	95	Slight	55.1	8.27	69.4	4.85	14.32	0.67	< 0.2	< 0.5	38	610	< 1	51	4	64	2.56	6	24	39	< 0.5	< 2	2.39
1314004716	75	None	4.35	8.56	26.5	1.20	22.11	0.40	< 0.2	< 0.5	66	497	< 1	8	3	86	2.53	2	20	45	< 0.5	< 2	1.41
1314004731	226	None	-21.4	7.75	12.8	0.374	34.23	0.50	0.3	< 0.5	91	474	< 1	9	4	162	2.71	11	25	24	< 0.5	< 2	1.06
1314004390	367	Slight	-25.3	8.65	25.0	0.497	50.21	0.50	5.2	< 0.5	66	458	1	8	6	67	1.62	26	19	17	< 0.5	< 2	1.26
1314004389	219	None	-7.28	8.69	16.2	0.690	23.45	0.61	2.8	< 0.5	95	465	1	12	6	118	1.96	26	20	16	< 0.5	3	1.19
1314004009	738	None	-25.5	8.41	10.9	0.300	36.37	0.47	< 0.2	< 0.5	104	333	< 1	5	2	40	2.77	6	22	27	< 0.5	< 2	1.06
1314004062	966	None	-64.8	8.05	9.75	0.131	74.57	0.61	2.0	< 0.5	368	294	< 1	2	< 2	27	1.90	5	20	12	< 0.5	9	0.59
1314004029	213	None	-6.50	8.75	20.2	0.756	26.68	0.33	< 0.2	< 0.5	59	356	1	5	< 2	38	3.12	4	23	35	< 0.5	< 2	1.27

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1314004141	88	None	-0.866	8.80	19.5	0.957	20.33	0.30	< 0.2	< 0.5	43	590	< 1	12	3	98	3.10	5	24	48	< 0.5	< 2	1.06
1314004131	120	None	-39.2	8.61	12.9	0.247	52.06	0.48	0.4	< 0.5	64	344	< 1	12	4	43	2.22	23	20	16	< 0.5	< 2	1.14
1313001001	436	None	-33.3	7.69	16.5	0.331	49.80	0.58	< 0.2	< 0.5	70	405	< 1	8	4	83	2.03	10	25	19	< 0.5	< 2	0.72
1314004068	104	None	1.32	8.45	22.7	1.06	21.41	0.38	< 0.2	< 0.5	20	362	< 1	21	< 2	41	2.68	3	23	33	< 0.5	< 2	1.39
1314004079	742	None	-28.5	7.75	10.3	0.265	38.77	0.53	0.4	< 0.5	142	410	1	4	< 2	52	2.26	3	22	18	< 0.5	3	0.61
1314004149	125	Slight	80.8	8.83	86.1	16.4	5.23	0.58	< 0.2	< 0.5	68	725	< 1	62	4	74	2.61	2	27	88	< 0.5	< 2	2.76
1314004071	55	None	-7.74	8.09	12.6	0.620	20.38	0.33	< 0.2	< 0.5	51	413	2	4	< 2	50	2.91	4	22	43	< 0.5	< 2	1.07
F010638	346																						
F010629	344																						
1314004387	352	None	-14.6	8.66	18.0	0.552	32.66	0.43	4.5	< 0.5	273	440	< 1	8	6	63	2.21	11	19	26	< 0.5	2	1.02
1314004414	492	None	-37.9	8.25	11.2	0.228	49.08	0.55	1.3	< 0.5	257	430	< 1	9	4	66	1.86	17	27	16	< 0.5	3	0.76
1314004739	58	None	-12.6	8.33	16.8	0.573	29.41	0.45	< 0.2	< 0.5	45	525	< 1	9	< 2	76	2.92	5	23	33	< 0.5	< 2	1.31
1314003033	296	None	-24.1	7.93	12.8	0.346	36.90	0.46	< 0.2	< 0.5	127	395	< 1	7	3	35	3.17	11	21	19	< 0.5	< 2	1.39
1314002147	263	None	-89.9	7.70	21.3	0.192	111.27	1.06	0.7	< 0.5	101	489	< 1	24	3	164	2.64	21	23	16	< 0.5	3	1.43
1324072024	83	Slight	36.8	8.19	64.5	2.33	27.61	0.83	0.6	6.2	63	551	< 1	9	2	1820	0.98	18	21	24	< 0.5	< 2	2.04
1324072193	9	Slight	34.1	8.39	48.5	3.37	14.41	0.46	< 0.2	< 0.5	6	484	1	9	2	64	1.96	5	24	40	< 0.5	< 2	1.63
1324072198	47	Slight	23.4	8.44	41.7	2.29	18.23	0.56	< 0.2	0.7	29	509	< 1	9	2	240	1.28	11	23	36	< 0.5	< 2	1.56
1324072224	25	Slight	39.6	8.76	46.9	6.44	7.29	0.48	< 0.2	1.6	34	540	< 1	7	2	480	1.15	10	19	39	< 0.5	< 2	1.62
1324072012	23	Slight	56.6	9.55	62.2	11.0	5.64	0.48	< 0.2	< 0.5	27	570	2	13	< 2	149	0.84	4	25	41	< 0.5	< 2	1.81
1324072166	18	Slight	29.2	8.98	38.1	4.28	8.90	0.37	< 0.2	< 0.5	43	544	< 1	14	3	97	1.73	3	24	49	< 0.5	< 2	1.69
1324072129	84	Slight	40.5	9.05	58.3	3.27	17.80	0.50	0.4	0.8	51	551	1	12	3	261	1.20	8	23	41	< 0.5	< 2	1.77
1324072100	26	Slight	42.1	9.39	47.4	8.96	5.29	0.36	< 0.2	< 0.5	34	487	< 1	7	3	68	1.24	5	27	44	< 0.5	< 2	1.64
1324072411	36	Slight	37.9	9.48	48.4	4.59	10.53	0.35	< 0.2	0.6	26	543	1	12	4	203	1.29	10	27	46	< 0.5	< 2	1.71
1324072131	23	Slight	53.2	8.99	58.4	11.2	5.20	0.46	< 0.2	0.6	31	496	2	11	3	204	1.17	5	24	46	< 0.5	< 2	1.84
1324072049	16	Slight	47.6	9.55	47.7	306	< 0.31	0.30	< 0.2	< 0.5	37	357	< 1	7	3	70	1.42	< 2	26	32	< 0.5	< 2	1.59
1324079157	46	Slight	40.7	9.41	44.6	11.6	3.84	0.31	< 0.2	< 0.5	20	525	< 1	7	3	63	1.21	4	26	48	< 0.5	< 2	1.52
1324072240	21	Slight	51.4	9.13	57.2	9.93	5.76	0.42	< 0.2	< 0.5	25	608	< 1	25	3	84	1.46	3	29	126	< 0.5	< 2	2.00
1324079114	84	Slight	29.6	8.88	41.6	3.47	11.99	0.50	< 0.2	< 0.5	15	527	< 1	7	5	53	1.10	5	25	32	< 0.5	< 2	1.43
1324079142	43	Slight	37.1	9.43	37.3	238	< 0.31	0.28	< 0.2	< 0.5	29	376	< 1	7	< 2	46	1.04	2	30	61	< 0.5	< 2	1.26
1324079113	41	Slight	34.8	9.32	43.2	5.16	8.37	0.33	< 0.2	< 0.5	26	482	1	8	< 2	40	1.12	5	24	32	< 0.5	< 2	1.48
1324079015	27	Slight	25.8	8.70	36.0	3.54	10.17	0.44	< 0.2	< 0.5	22	454	1	7	3	70	1.71	6	23	57	< 0.5	< 2	1.56
F010760	345																						
F010743	335																						
1314004168	201																						

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1431001714	44	85	8.48	< 10	< 1	0.05	< 10	3.55	0.043	0.044	1.18	4	7	56	0.04	< 1	< 2	< 10	135	< 10	4	5	1.79
1431001627	48	81	8.64	< 10	< 1	0.04	< 10	3.73	0.011	0.042	1.33	4	6	41	0.02	1	< 2	< 10	122	< 10	5	4	1.78
1323065092	34	40	7.48	10	< 1	0.29	< 10	1.24	0.221	0.074	0.82	5	14	55	0.24	2	< 2	< 10	173	< 10	10	6	0.49
1431001560	49	102	8.32	10	< 1	0.07	< 10	4.20	0.010	0.034	1.13	4	7	53	0.02	< 1	< 2	< 10	109	< 10	5	4	1.42
1323065033	24	45	5.94	< 10	1	0.15	< 10	1.55	0.100	0.054	1.49	6	6	47	0.13	< 1	< 2	< 10	91	15	6	13	0.75
1431001641	42	78	8.44	10	1	0.05	< 10	3.68	0.013	0.047	0.97	4	8	47	0.03	< 1	< 2	< 10	125	< 10	6	4	1.92
1323065025	29	48	11.1	< 10	< 1	0.18	< 10	1.37	0.082	0.057	3.76	5	12	33	0.16	2	< 2	< 10	161	13	9	10	0.47
1431003217	23	14	4.28	< 10	< 1	0.10	14	1.38	0.059	0.067	3.29	2	2	55	< 0.01	4	< 2	< 10	18	< 10	4	7	1.52
1431003379	10	9	2.41	< 10	< 1	0.16	15	1.06	0.071	0.050	1.75	< 2	< 1	57	< 0.01	< 1	< 2	< 10	8	< 10	3	7	1.06
1320053035	8	5	2.24	< 10	< 1	0.29	15	0.66	0.031	0.041	1.69	< 2	< 1	25	< 0.01	< 1	< 2	< 10	8	< 10	2	7	0.58
1431003328	18	14	4.01	< 10	< 1	0.13	16	1.52	0.041	0.061	3.37	2	2	46	< 0.01	< 1	< 2	< 10	15	< 10	4	6	1.60
1431001148	40	9	9.46	10	1	0.03	< 10	2.51	0.016	0.041	2.06	4	14	40	0.01	< 1	< 2	< 10	352	< 10	4	5	1.75
1323065110	15	18	4.08	< 10	< 1	0.47	18	1.32	0.315	0.058	0.53	3	5	101	0.15	1	< 2	< 10	73	< 10	5	17	0.80
1431001613	47	134	8.83	10	< 1	0.04	< 10	3.68	0.026	0.036	0.82	5	11	54	0.01	< 1	< 2	< 10	126	< 10	6	4	1.76
1323065116	18	31	4.44	< 10	< 1	0.21	14	1.36	0.217	0.059	0.54	3	6	111	0.12	3	< 2	< 10	78	< 10	6	14	0.92
1431001150	34	118	7.70	< 10	< 1	0.04	< 10	2.30	0.045	0.050	2.39	3	5	34	< 0.01	< 1	< 2	< 10	154	< 10	4	7	1.31
1431001725	37	45	7.99	< 10	1	0.06	< 10	2.57	0.023	0.058	2.93	4	6	29	0.01	2	< 2	< 10	102	< 10	6	6	1.76
1320053097	9	5	2.34	< 10	< 1	0.18	18	0.61	0.035	0.043	1.85	3	< 1	24	0.01	4	< 2	< 10	7	< 10	2	7	0.22
1431003304	13	6	2.39	< 10	< 1	0.12	15	0.83	0.070	0.040	2.02	< 2	< 1	38	< 0.01	2	< 2	< 10	6	< 10	3	13	0.66
1431003332	19	15	4.46	< 10	< 1	0.11	12	1.43	0.053	0.058	3.16	2	3	64	< 0.01	< 1	< 2	< 10	27	< 10	5	8	1.37
1431003204	35	37	6.49	< 10	< 1	0.08	< 10	1.54	0.084	0.049	3.60	4	6	46	< 0.01	3	< 2	< 10	66	< 10	6	9	1.53
F010308																							
F010327																							
1431001704	36	49	8.54	< 10	1	0.06	< 10	2.58	0.033	0.057	3.10	4	5	28	0.01	< 1	< 2	< 10	114	< 10	6	7	1.63
1431003368	14	11	3.17	< 10	< 1	0.11	17	1.34	0.047	0.062	2.30	2	1	59	< 0.01	2	< 2	< 10	13	< 10	3	4	1.26
1431001735	38	40	6.60	< 10	2	0.10	< 10	1.57	0.090	0.054	4.62	2	4	37	< 0.01	< 1	< 2	< 10	54	< 10	6	7	1.17
1320053039	7	3	2.11	< 10	< 1	0.21	12	0.65	0.014	0.041	1.98	4	< 1	18	< 0.01	< 1	< 2	< 10	5	< 10	2	7	0.66
1431003009	9	7	2.03	< 10	< 1	0.13	11	0.76	0.046	0.042	1.03	2	< 1	29	< 0.01	< 1	< 2	< 10	10	< 10	2	6	0.59
1431003022	10	8	1.89	< 10	< 1	0.14	13	0.69	0.049	0.040	0.62	< 2	< 1	29	< 0.01	< 1	< 2	< 10	11	< 10	2	6	0.59
1431003026	7	8	2.03	< 10	< 1	0.10	14	0.81	0.058	0.039	0.72	2	< 1	36	< 0.01	< 1	< 2	< 10	9	< 10	2	6	0.67
1432086002	9	12	2.75	< 10	< 1	0.21	12	1.08	0.086	0.040	1.49	2	1	42	0.01	< 1	< 2	< 10	15	< 10	3	10	1.11
1431003070	39	33	7.01	< 10	< 1	0.09	< 10	1.24	0.045	0.053	5.83	3	8	41	< 0.01	3	< 2	< 10	57	< 10	7	6	1.54
1431004048	9	9	2.45	< 10	< 1	0.09	12	0.82	0.050	0.040	1.44	< 2	< 1	36	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.67
1431004140	10	8	2.18	< 10	< 1	0.11	14	0.54	0.039	0.039	0.55	< 2	< 1	50	< 0.01	2	< 2	< 10	10	< 10	2	6	0.72
1431003080	7	8	2.01	< 10	< 1	0.11	14	0.89	0.042	0.040	0.64	< 2	< 1	23	< 0.01	< 1	< 2	< 10	11	< 10	3	5	0.56
1431003013	6	6	1.87	< 10	< 1	0.09	< 10	0.92	0.072	0.036	0.43	< 2	2	70	< 0.01	< 1	< 2	< 10	11	< 10	3	5	1.24
1431003210	10	9	2.39	< 10	< 1	0.13	< 10	0.88	0.048	0.040	1.19	< 2	1	46	< 0.01	< 1	< 2	< 10	10	< 10	2	6	1.04
1431003150	13	8	2.26	< 10	< 1	0.10	22	0.85	0.054	0.047	1.41	< 2	< 1	31	< 0.01	< 1	4	< 10	9	< 10	3	4	0.67
1431003321	36	59	7.49	< 10	1	0.05	11	2.08	0.066	0.056	3.50	4	6	30	< 0.01	3	< 2	< 10	152	< 10	4	10	1.41
1431004004	12	24	3.01	< 10	< 1	0.15	12	0.99	0.100	0.051	1.11	< 2	3	53	0.10	< 1	< 2	< 10	39	< 10	3	11	0.34
1431004042	11	10	2.52	< 10	< 1	0.10	10	0.83	0.103	0.042	1.73	2	1	66	0.01	< 1	< 2	< 10	15	< 10	2	10	0.46
1431004161	12	8	2.27	< 10	< 1	0.12	11	0.66	0.041	0.041	0.79	< 2	< 1	42	< 0.01	2	< 2	< 10	8	< 10	2	7	0.81
1431004146	14	11	3.12	< 10	< 1	0.15	29	1.16	0.051	0.077	2.10	2	2	77	< 0.01	3	< 2	< 10	21	< 10	4	3	0.98
1431004228	9	9	1.99	< 10	< 1	0.09	16	0.73	0.061	0.047	0.94	< 2	1	48	< 0.01	3	< 2	< 10	10	< 10	2	3	0.64
F010328																							
F010332																							
1315013044	7	7	2.49	< 10	< 1	0.14	13	0.94	0.092	0.039	1.09	< 2	< 1	53	< 0.01	< 1	< 2	< 10	9	< 10	2	5	0.14
1315014038	21	41	3.86	< 10	< 1	0.03	< 10	1.34	0.507	0.019	0.11	< 2	4	58	0.27	< 1	< 2	< 10	119	< 10	3	4	0.15
1315014085	25	81	4.12	< 10	< 1	0.02	< 10	1.82	0.294	0.020	0.16	3	4	60	0.30	1	< 2	< 10	103	< 10	3	5	0.23
1315014025	10	8	3.38	< 10	< 1	0.15	15	0.95	0.195	0.044	2.57	2	1	151	0.01	< 1	< 2	< 10	14	< 10	3	20	0.18
1322047206	15	12	3.07	< 10	< 1	0.31	25	1.27	0.093	0.077	0.68	< 2	3	222	0.08	2	< 2	< 10	40	< 10	5	7	1.09

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1315014005	12	17	3.03	< 10	< 1	0.17	< 10	1.07	0.206	0.033	1.65	< 2	2	58	0.12	3	< 2	< 10	41	< 10	2	18	0.13
1315014080	20	40	3.71	< 10	< 1	0.09	< 10	1.33	0.446	0.024	0.40	< 2	4	59	0.23	< 1	< 2	< 10	99	< 10	3	6	0.16
1315014061	8	9	3.13	< 10	< 1	0.17	12	0.88	0.194	0.038	2.29	< 2	2	196	0.02	< 1	< 2	< 10	16	< 10	2	19	0.20
1431005028	10	13	2.22	< 10	< 1	0.17	16	0.68	0.040	0.041	0.74	< 2	1	38	0.05	3	< 2	< 10	15	< 10	2	10	0.60
1315014044	21	53	3.55	< 10	< 1	0.02	< 10	1.59	0.458	0.016	0.08	3	4	58	0.24	4	< 2	< 10	99	< 10	3	3	0.14
1322047202	10	11	2.36	< 10	< 1	0.26	18	1.01	0.084	0.054	0.67	< 2	2	106	0.05	< 1	< 2	< 10	22	< 10	3	4	0.64
1431003382	8	11	1.95	< 10	< 1	0.13	13	0.69	0.066	0.042	1.34	< 2	< 1	61	< 0.01	1	< 2	< 10	7	< 10	2	8	1.05
1431003371	10	10	2.45	< 10	< 1	0.11	16	0.95	0.048	0.053	1.69	2	1	60	< 0.01	< 1	< 2	< 10	10	< 10	3	5	1.07
1322047194	10	13	2.55	< 10	< 1	0.28	23	0.91	0.064	0.065	0.86	2	2	38	0.08	2	< 2	< 10	19	< 10	3	7	0.80
1322047122	11	13	2.58	< 10	< 1	0.31	17	1.14	0.051	0.048	0.42	< 2	3	63	0.07	1	< 2	< 10	31	< 10	4	8	0.93
1315015141	9	8	2.68	< 10	< 1	0.19	15	1.01	0.106	0.049	1.64	< 2	1	48	0.01	1	< 2	< 10	11	< 10	3	6	0.22
1322047213	9	9	2.26	< 10	< 1	0.17	21	0.85	0.086	0.059	0.76	< 2	1	55	0.06	2	< 2	< 10	14	< 10	3	4	0.67
1431003343	14	13	4.15	< 10	< 1	0.10	59	1.89	0.066	0.136	2.77	< 2	4	75	< 0.01	4	< 2	< 10	35	< 10	8	2	1.55
1431005679	37	289	6.23	< 10	< 1	0.05	< 10	2.90	0.041	0.037	1.40	6	12	55	0.14	3	< 2	< 10	103	< 10	5	4	1.30
1430097001	14	9	3.18	< 10	< 1	0.10	22	0.95	0.072	0.064	2.08	< 2	1	46	< 0.01	2	< 2	< 10	12	< 10	3	5	0.54
1431003298	14	9	3.51	< 10	< 1	0.13	33	1.22	0.057	0.082	3.18	2	2	56	< 0.01	1	< 2	< 10	17	< 10	4	4	0.55
F010330																							
F010334																							
1431004108	10	12	2.33	< 10	< 1	0.15	11	0.73	0.066	0.044	1.17	< 2	1	52	0.01	< 1	< 2	< 10	14	< 10	2	8	0.59
1431003090	11	9	2.04	< 10	< 1	0.09	15	0.75	0.046	0.042	1.19	< 2	< 1	26	< 0.01	< 1	< 2	< 10	11	< 10	2	8	0.58
1431003086	7	12	2.45	< 10	< 1	0.12	13	0.75	0.054	0.042	1.24	< 2	1	33	< 0.01	3	< 2	< 10	12	< 10	2	10	0.68
1431004169	10	5	2.39	< 10	< 1	0.13	< 10	0.71	0.062	0.039	1.48	2	< 1	56	< 0.01	< 1	< 2	< 10	7	< 10	2	7	0.89
1431003058	8	13	2.25	< 10	< 1	0.11	16	1.02	0.049	0.046	0.80	< 2	2	48	< 0.01	2	< 2	< 10	15	< 10	3	5	0.78
1431004111	7	7	1.95	< 10	< 1	0.13	14	0.74	0.064	0.044	0.99	2	< 1	57	< 0.01	3	< 2	< 10	8	< 10	2	4	0.67
1431005676	11	8	1.76	< 10	< 1	0.12	14	0.74	0.060	0.046	0.49	< 2	< 1	32	< 0.01	< 1	< 2	< 10	10	< 10	2	4	0.56
1431004017	9	12	2.11	< 10	< 1	0.10	< 10	0.66	0.090	0.039	0.83	< 2	1	58	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.96
1431005620	45	471	6.71	< 10	2	< 0.01	< 10	4.21	0.010	0.018	0.83	4	22	102	0.01	< 1	< 2	< 10	134	< 10	3	3	2.65
1315013097	9	8	3.08	< 10	< 1	0.16	15	1.40	0.049	0.043	2.54	2	< 1	41	0.02	< 1	< 2	< 10	10	< 10	3	18	0.20
1315013039	9	7	3.45	< 10	< 1	0.19	11	0.74	0.086	0.037	2.68	2	< 1	49	< 0.01	1	< 2	< 10	7	< 10	2	24	0.15
1431005617	43	390	6.17	< 10	< 1	0.01	< 10	3.76	0.015	0.023	0.97	6	18	111	< 0.01	< 1	< 2	< 10	112	< 10	2	4	2.66
1431005065	38	405	6.94	< 10	1	0.16	< 10	4.07	0.014	0.021	1.20	4	12	59	0.17	6	< 2	< 10	113	< 10	3	4	1.66
1315013069	10	14	3.34	< 10	< 1	0.20	15	1.26	0.070	0.040	2.74	< 2	1	57	0.03	2	< 2	< 10	15	< 10	3	20	0.16
1315013025	17	30	3.32	< 10	< 1	0.13	< 10	1.24	0.351	0.032	1.03	< 2	3	66	0.14	2	< 2	< 10	64	< 10	2	12	0.11
1315013030	19	39	3.52	< 10	< 1	0.05	< 10	1.28	0.497	0.020	0.31	3	4	59	0.21	3	< 2	< 10	97	< 10	3	4	0.10
1315013015	16	50	3.80	< 10	< 1	0.17	< 10	1.20	0.128	0.032	2.33	3	2	31	0.11	5	< 2	< 10	36	< 10	2	21	0.17
1315013059	10	13	3.00	< 10	< 1	0.14	14	1.15	0.109	0.041	2.13	< 2	1	61	0.04	3	< 2	< 10	20	< 10	3	19	0.14
F010329																							
F010315																							
1430097030	45	28	7.25	< 10	< 1	0.10	< 10	1.32	0.069	0.064	5.60	3	6	46	< 0.01	< 1	< 2	< 10	56	< 10	8	6	1.46
1322047120	12	15	3.10	< 10	< 1	0.46	18	1.29	0.112	0.050	0.73	2	3	70	0.09	< 1	< 2	< 10	38	< 10	4	13	0.91
1322047177	12	17	2.37	< 10	< 1	0.24	13	1.03	0.045	0.046	0.28	< 2	2	83	0.04	< 1	< 2	< 10	24	< 10	3	3	0.86
1322047127	9	12	2.50	< 10	< 1	0.27	15	1.13	0.082	0.046	0.49	< 2	1	54	0.05	< 1	< 2	< 10	16	< 10	3	5	0.69
1322047146	22	31	5.54	< 10	< 1	0.32	11	1.47	0.084	0.062	0.67	3	11	64	0.17	6	< 2	< 10	113	< 10	8	11	0.92
1315015155	25	52	4.12	< 10	< 1	0.02	< 10	1.78	0.401	0.019	0.09	< 2	5	59	0.30	6	< 2	< 10	117	< 10	3	4	0.13
1430097013	14	14	2.79	< 10	< 1	0.12	19	0.97	0.044	0.061	1.54	< 2	2	57	< 0.01	1	< 2	< 10	21	< 10	3	4	0.84
1315015169	10	7	3.39	< 10	< 1	0.12	13	0.83	0.199	0.041	2.04	< 2	1	133	0.02	< 1	< 2	< 10	13	< 10	3	17	0.17
1430097065	18	13	3.40	< 10	< 1	0.07	< 10	0.95	0.061	0.043	2.92	< 2	2	43	< 0.01	< 1	< 2	< 10	18	< 10	4	10	0.83
1322047098	15	18	3.19	< 10	< 1	0.54	21	1.41	0.076	0.055	0.91	< 2	5	69	0.12	< 1	< 2	< 10	59	< 10	5	17	0.75
1432083112	9	13	2.57	< 10	< 1	0.19	12	0.92	0.253	0.042	1.56	2	1	83	0.02	6	< 2	< 10	17	< 10	3	11	0.52
1315015047	7	7	2.86	< 10	< 1	0.11	15	1.10	0.108	0.041	2.48	< 2	< 1	44	< 0.01	1	< 2	< 10	9	< 10	2	19	0.23
1321070103	7	4	1.87	< 10	< 1	0.18	14	0.78	0.022	0.039	1.42	< 2	< 1	21	< 0.01	< 1	< 2	< 10	5	< 10	2	4	0.70

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1430097061	36	40	6.82	< 10	< 1	0.05	< 10	1.58	0.043	0.060	4.45	5	6	36	< 0.01	< 1	< 2	< 10	72	< 10	6	7	1.08
1315015063	10	7	2.71	< 10	< 1	0.14	17	0.87	0.179	0.049	2.65	< 2	1	74	0.01	1	< 2	< 10	12	< 10	3	12	0.27
1321070144	8	3	2.00	< 10	< 1	0.21	16	0.56	0.033	0.040	1.84	2	< 1	22	< 0.01	< 1	< 2	< 10	5	< 10	2	6	0.40
1315015012	8	5	2.57	< 10	< 1	0.13	15	0.93	0.154	0.046	2.19	< 2	< 1	103	0.04	2	< 2	< 10	9	< 10	2	17	0.17
1322047075	12	16	2.79	< 10	< 1	0.25	16	1.11	0.055	0.052	0.49	< 2	2	56	0.06	< 1	< 2	< 10	26	< 10	4	6	1.02
1315015098	21	45	3.90	< 10	< 1	0.02	< 10	1.39	0.513	0.021	0.13	< 2	4	60	0.28	< 1	< 2	< 10	116	< 10	3	5	0.17
1315015050	9	9	2.68	< 10	< 1	0.15	16	0.82	0.197	0.049	2.51	< 2	1	82	0.02	4	< 2	< 10	12	< 10	3	17	0.23
1315015016	10	11	2.35	< 10	< 1	0.18	< 10	1.13	0.064	0.033	1.45	< 2	2	30	0.09	< 1	< 2	< 10	17	< 10	2	22	0.11
1321070143	7	4	1.93	< 10	< 1	0.18	15	0.50	0.020	0.037	1.81	< 2	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	2	5	0.60
1321070006	7	6	1.83	< 10	< 1	0.18	15	0.84	0.024	0.039	1.50	< 2	< 1	18	0.02	< 1	< 2	< 10	7	< 10	2	8	0.49
1321070120	20	77	3.32	< 10	< 1	0.41	13	1.43	0.061	0.049	1.36	2	4	65	0.16	4	< 2	< 10	49	< 10	4	20	0.60
F010642																							
F010659																							
1321070013	8	7	1.87	< 10	< 1	0.21	17	0.61	0.019	0.045	1.35	2	< 1	22	0.06	< 1	< 2	< 10	9	< 10	2	15	0.32
1321070086	14	71	2.71	< 10	< 1	0.27	14	1.14	0.044	0.047	1.28	2	3	46	0.11	1	< 2	< 10	36	< 10	3	17	0.60
1321070036	7	6	2.00	< 10	< 1	0.19	14	1.07	0.051	0.037	1.44	< 2	< 1	32	0.01	< 1	< 2	< 10	9	< 10	2	5	0.55
1321070019	9	4	1.83	< 10	< 1	0.19	16	0.46	0.024	0.043	1.57	3	< 1	18	< 0.01	1	< 2	< 10	4	< 10	2	4	0.49
1321070055	7	7	1.88	< 10	< 1	0.20	15	0.76	0.068	0.039	1.45	2	< 1	29	0.01	< 1	< 2	< 10	8	< 10	2	5	0.34
1321070045	7	4	1.88	< 10	< 1	0.16	11	0.79	0.021	0.035	1.54	< 2	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	2	6	0.52
1432083061	22	43	5.39	< 10	2	0.29	< 10	1.98	0.305	0.034	2.28	3	4	76	0.07	< 1	< 2	< 10	57	< 10	3	9	1.72
1432083154	8	13	2.52	< 10	< 1	0.15	12	0.89	0.156	0.039	1.39	4	1	58	0.03	1	< 2	< 10	16	< 10	3	9	0.54
1432083104	14	24	3.42	< 10	< 1	0.17	10	1.32	0.121	0.039	1.50	3	2	47	0.02	< 1	< 2	< 10	26	< 10	3	10	1.03
1322047008	14	25	3.46	< 10	< 1	0.46	14	1.07	0.258	0.056	0.54	3	4	103	0.17	2	< 2	< 10	59	< 10	5	15	0.57
1432083028	19	37	4.55	< 10	< 1	0.15	12	1.76	0.242	0.046	0.92	3	4	90	0.04	2	< 2	< 10	75	< 10	4	5	1.22
1432083164	11	27	2.44	< 10	< 1	0.11	< 10	0.87	0.094	0.034	0.64	< 2	2	43	0.07	< 1	< 2	< 10	35	< 10	3	8	0.45
1322047042	16	24	3.65	< 10	< 1	0.48	16	1.35	0.155	0.058	0.62	< 2	5	86	0.14	< 1	< 2	< 10	60	< 10	5	14	0.79
1432083082	28	20	6.86	< 10	< 1	0.10	< 10	2.00	0.087	0.042	1.14	3	8	64	0.10	< 1	< 2	< 10	242	< 10	5	8	1.51
1432082227	14	35	3.16	< 10	< 1	0.17	13	1.02	0.060	0.055	1.13	3	3	36	0.08	2	< 2	< 10	35	< 10	4	10	0.23
1432082258	17	37	3.43	< 10	< 1	0.13	< 10	1.06	0.083	0.042	0.97	2	4	34	0.11	< 1	< 2	< 10	49	< 10	4	9	0.20
1432082306	35	76	8.49	10	< 1	0.10	< 10	2.07	0.018	0.068	2.76	4	12	8	0.11	1	< 2	< 10	103	< 10	11	9	0.27
F010627																							
F010660																							
1314004725	12	8	2.88	< 10	< 1	0.11	< 10	0.79	0.172	0.036	1.24	2	1	139	0.02	< 1	< 2	< 10	13	< 10	2	8	0.07
1313001006	12	36	3.59	< 10	< 1	0.38	22	1.33	0.070	0.070	1.45	< 2	3	108	0.05	3	< 2	< 10	26	< 10	3	8	0.41
1314004703	12	7	2.62	< 10	< 1	0.08	13	0.75	0.138	0.039	1.15	< 2	1	108	0.02	1	< 2	< 10	12	< 10	2	6	0.09
1322047006	25	31	6.07	< 10	< 1	0.36	< 10	1.29	0.103	0.062	0.81	3	9	79	0.18	3	< 2	< 10	134	< 10	7	13	1.05
1314004153	8	8	3.42	< 10	< 1	0.16	13	0.66	0.113	0.042	2.33	3	< 1	66	0.02	< 1	< 2	< 10	9	< 10	2	15	0.13
1314004095	18	89	3.66	< 10	< 1	1.00	39	2.10	0.073	0.143	0.62	< 2	7	199	0.17	1	< 2	< 10	67	< 10	5	6	0.71
1314004716	7	9	2.94	< 10	< 1	0.14	13	1.03	0.113	0.039	0.83	2	1	96	0.02	< 1	< 2	< 10	11	< 10	2	4	0.42
1314004731	8	10	3.03	< 10	< 1	0.12	< 10	0.71	0.158	0.034	1.26	2	1	85	0.04	5	< 2	< 10	11	< 10	2	6	0.23
1314004390	8	7	2.27	< 10	< 1	0.19	14	0.71	0.138	0.041	1.91	< 2	1	68	0.02	3	< 2	< 10	9	< 10	2	8	0.25
1314004389	9	11	2.57	< 10	< 1	0.23	13	0.80	0.152	0.040	1.72	< 2	1	69	0.02	3	< 2	< 10	13	< 10	3	6	0.17
1314004009	7	8	3.69	< 10	< 1	0.16	12	1.02	0.156	0.039	1.39	< 2	1	119	0.03	< 1	< 2	< 10	13	< 10	2	9	0.19
1314004062	9	3	4.61	< 10	< 1	0.19	< 10	0.62	0.068	0.033	2.73	< 2	< 1	53	0.01	< 1	< 2	< 10	6	< 10	2	21	0.17
1314004029	7	9	3.35	< 10	< 1	0.16	12	1.19	0.190	0.036	0.93	< 2	1	142	0.04	< 1	< 2	< 10	16	< 10	2	8	0.14
1314004141	10	15	4.02	< 10	< 1	0.16	26	1.61	0.100	0.065	0.76	< 2	2	91	0.03	2	< 2	< 10	23	< 10	4	3	0.22
1314004131	9	18	3.20	< 10	< 1	0.18	12	0.95	0.111	0.044	1.94	2	1	83	0.04	4	< 2	< 10	15	< 10	2	14	0.14
1313001001	11	11	3.79	< 10	< 1	0.21	16	1.41	0.045	0.050	1.79	3	1	57	0.02	< 1	< 2	< 10	15	< 10	3	11	0.18
1314004068	9	46	2.96	< 10	< 1	0.14	20	1.14	0.135	0.057	0.78	< 2	2	140	0.03	2	< 2	< 10	21	< 10	3	2	0.30
1314004079	6	7	4.50	< 10	< 1	0.15	< 10	0.84	0.062	0.036	1.39	2	< 1	44	0.04	5	< 2	< 10	13	< 10	2	17	0.07
1314004149	21	134	4.03	< 10	< 1	1.01	53	2.26	0.064	0.166	0.31	2	10	185	0.20	< 1	< 2	< 10	79	< 10	6	6	1.06

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1314004071	7	9	3.16	< 10	< 1	0.13	13	1.15	0.158	0.036	0.81	< 2	1	113	0.04	< 1	< 2	< 10	12	< 10	2	6	0.20
F010638																							
F010629																							
1314004387	8	9	2.87	< 10	< 1	0.15	11	0.84	0.173	0.036	1.29	< 2	1	74	0.04	< 1	< 2	< 10	12	< 10	2	6	0.22
1314004414	9	10	3.08	< 10	< 1	0.15	12	0.75	0.155	0.037	1.79	2	1	62	0.03	4	< 2	< 10	11	< 10	2	8	0.18
1314004739	8	11	3.19	< 10	< 1	0.12	19	0.85	0.235	0.047	1.10	3	1	121	0.05	< 1	< 2	< 10	15	< 10	3	4	0.30
1314003033	12	9	3.07	< 10	< 1	0.10	12	0.94	0.195	0.035	1.38	< 2	1	145	0.01	< 1	< 2	< 10	14	< 10	2	10	0.23
1314002147	16	28	4.30	< 10	< 1	0.19	12	1.23	0.209	0.052	3.87	3	3	117	0.03	3	< 2	< 10	32	< 10	4	21	0.23
1324072024	9	7	2.35	< 10	< 1	0.22	10	0.63	0.032	0.039	1.25	< 2	< 1	36	< 0.01	< 1	< 2	< 10	7	< 10	2	5	0.85
1324072193	7	10	1.88	< 10	< 1	0.18	11	0.78	0.203	0.036	0.66	< 2	1	112	0.03	< 1	< 2	< 10	13	< 10	2	4	0.40
1324072198	9	9	2.28	< 10	< 1	0.18	12	0.75	0.058	0.036	0.79	< 2	1	33	0.03	< 1	< 2	< 10	16	< 10	3	5	0.53
1324072224	8	9	2.15	< 10	< 1	0.20	12	0.70	0.047	0.039	0.36	< 2	1	40	0.03	< 1	< 2	< 10	14	< 10	3	3	0.59
1324072012	8	11	2.22	< 10	< 1	0.18	13	0.64	0.050	0.040	0.34	< 2	< 1	35	0.04	< 1	< 2	< 10	10	< 10	3	3	0.92
1324072166	12	19	2.58	< 10	< 1	0.25	12	0.88	0.106	0.040	0.40	< 2	2	38	0.09	< 1	< 2	< 10	30	< 10	3	12	0.55
1324072129	9	13	2.39	< 10	< 1	0.21	13	0.80	0.058	0.041	0.77	< 2	1	41	0.04	< 1	< 2	< 10	16	< 10	3	5	0.76
1324072100	9	13	2.43	< 10	< 1	0.20	14	0.65	0.058	0.040	0.28	< 2	1	28	0.04	< 1	< 2	< 10	17	< 10	3	5	0.62
1324072411	8	11	2.18	< 10	< 1	0.29	12	0.83	0.057	0.040	0.46	2	1	38	0.05	< 1	< 2	< 10	17	< 10	3	6	0.63
1324072131	9	16	2.26	< 10	< 1	0.23	14	0.69	0.053	0.046	0.33	< 2	1	39	0.04	1	< 2	< 10	15	< 10	3	3	0.81
1324072049	9	10	2.05	< 10	< 1	0.17	14	0.62	0.101	0.042	0.11	< 2	1	53	0.05	< 1	< 2	< 10	15	< 10	3	3	0.53
1324079157	6	10	2.10	< 10	< 1	0.19	12	0.69	0.044	0.039	0.21	< 2	1	24	0.06	< 1	< 2	< 10	14	< 10	2	5	0.56
1324072240	11	29	2.62	< 10	< 1	0.42	16	1.24	0.041	0.059	0.32	2	3	80	0.10	4	< 2	< 10	29	< 10	3	11	0.74
1324079114	10	13	2.47	< 10	< 1	0.12	14	0.77	0.049	0.039	0.55	2	2	24	0.05	< 1	< 2	< 10	18	< 10	3	7	0.60
1324079142	6	13	2.10	< 10	< 1	0.26	12	0.63	0.062	0.039	0.10	< 2	2	28	0.08	< 1	< 2	< 10	22	< 10	3	11	0.51
1324079113	7	13	2.37	< 10	< 1	0.10	13	0.71	0.052	0.041	0.36	< 2	1	29	0.03	4	< 2	< 10	16	< 10	3	5	0.65
1324079015	10	11	2.30	< 10	< 1	0.25	14	0.69	0.136	0.040	0.46	2	1	73	0.06	3	< 2	< 10	16	< 10	3	7	0.48
F010760																							
F010743																							
1314004168																							

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
1431001714	1.35
1431001627	2.14
1323065092	0.88
1431001560	1.06
1323065033	1.52
1431001641	1.44
1323065025	4.37
1431003217	3.48
1431003379	1.64
1320053035	1.58
1431003328	3.47
1431001148	3.45
1323065110	0.54
1431001613	1.13
1323065116	0.52
1431001150	3.36
1431001725	4.14
1320053097	1.74
1431003304	1.89
1431003332	3.55
1431003204	4.95
F010308	
F010327	
1431001704	4.53
1431003368	2.31
1431001735	5.74
1320053039	1.87
1431003009	0.97
1431003022	0.58
1431003026	0.68
1432086002	1.42
1431003070	6.89
1431004048	1.38
1431004140	0.54
1431003080	0.61
1431003013	0.42
1431003210	1.16
1431003150	1.36
1431003321	5.24
1431004004	1.11
1431004042	1.62
1431004161	0.71
1431004146	1.98
1431004228	0.86
F010328	
F010332	
1315013044	1.07
1315014038	0.12
1315014085	0.16
1315014025	2.49
1322047206	0.69

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
1315014005	1.63
1315014080	0.42
1315014061	2.24
1431005028	0.68
1315014044	0.07
1322047202	0.62
1431003382	1.28
1431003371	1.65
1322047194	0.83
1322047122	0.40
1315015141	1.59
1322047213	0.73
1431003343	3.12
1431005679	1.56
1430097001	2.02
1431003298	2.94
F010330	
F010334	
1431004108	1.10
1431003090	1.12
1431003086	1.17
1431004169	1.37
1431003058	0.74
1431004111	0.91
1431005676	0.46
1431004017	0.78
1431005620	1.18
1315013097	2.44
1315013039	2.55
1431005617	1.24
1431005065	1.75
1315013069	2.67
1315013025	1.04
1315013030	0.32
1315013015	2.28
1315013059	2.11
F010329	
F010315	
1430097030	6.80
1322047120	0.73
1322047177	0.30
1322047127	0.50
1322047146	0.68
1315015155	0.11
1430097013	1.55
1315015169	2.01
1430097065	2.87
1322047098	0.77
1432083112	1.52
1315015047	2.32
1321070103	1.34

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
1430097061	5.54
1315015063	2.59
1321070144	1.74
1315015012	2.14
1322047075	0.49
1315015098	0.14
1315015050	2.44
1315015016	1.37
1321070143	1.69
1321070006	1.43
1321070120	1.44
F010642	
F010659	
1321070013	1.30
1321070086	1.25
1321070036	1.35
1321070019	1.47
1321070055	1.35
1321070045	1.45
1432083061	3.18
1432083154	1.30
1432083104	1.49
1322047008	0.56
1432083028	0.91
1432083164	0.63
1322047042	0.65
1432083082	1.26
1432082227	1.04
1432082258	0.94
1432082306	2.97
F010627	
F010660	
1314004725	1.24
1313001006	1.39
1314004703	1.11
1322047006	0.85
1314004153	2.29
1314004095	0.68
1314004716	0.84
1314004731	1.26
1314004390	1.78
1314004389	0.95
1314004009	1.32
1314004062	2.59
1314004029	0.96
1314004141	0.75
1314004131	1.83
1313001001	1.79
1314004068	0.81
1314004079	1.42
1314004149	0.36

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
1314004071	0.76
F010638	
F010629	
1314004387	1.19
1314004414	1.75
1314004739	1.09
1314003033	1.33
1314002147	3.91
1324072024	1.16
1324072193	0.61
1324072198	0.77
1324072224	0.39
1324072012	0.34
1324072166	0.41
1324072129	0.74
1324072100	0.29
1324072411	0.46
1324072131	0.33
1324072049	0.10
1324079157	0.23
1324072240	0.32
1324079114	0.55
1324079142	0.09
1324079113	0.38
1324079015	0.47
F010760	
F010743	
1314004168	

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas									< 0.2	< 0.5	65	1050	< 1	23	97	123	6.69	227	25	699	0.9	< 2	0.12
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
GXR-6 Meas									< 0.2	< 0.5	65	1050	< 1	23	97	123	6.69	227	25	699	0.9	< 2	0.12
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							42.0																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							42.4																
BaSO4 Cert							41.94																
BaSO4 Meas							41.6																
BaSO4 Cert							41.94																
BaSO4 Meas							41.6																
BaSO4 Cert							41.94																
BaSO4 Meas							42.2																
BaSO4 Cert							41.94																
BaSO4 Meas							41.5																
BaSO4 Cert							41.94																
BaSO4 Meas							41.2																
BaSO4 Cert							41.94																
BaSO4 Meas							40.3																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							40.9																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
RTS-3a Meas							29.5																
RTS-3a Cert							29.90																
RTS-3a Meas							29.6																
RTS-3a Cert							29.90																
RTS-3a Meas							29.3																
RTS-3a Cert							29.90																
RTS-3a Meas							29.6																
RTS-3a Cert							29.90																
RTS-3a Meas							29.2																
RTS-3a Cert							29.90																
RTS-3a Meas							29.3																
RTS-3a Cert							29.90																
RTS-3a Meas							29.3																

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
RTS-3a Cert							29.90																
RTS-3a Meas							29.2																
RTS-3a Cert							29.90																
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
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GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							0.11																
SiO2 Cert																							
SiO2 Meas							0.11																
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SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas			8.59																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.43																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz)			8.67																				

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.59																				
NBM-1 (slight fzz) Cert			8.53																				
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2240	789	< 1	35	65	252	2.74	6		71	0.7	8	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.5	< 0.5	2180	768	< 1	36	64	253	2.72	3		70	0.7	5	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2090	751	< 1	35	59	258	2.73	4		70	0.7	4	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2240	789	< 1	35	65	252	2.74	6		71	0.7	8	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.5	< 0.5	2180	768	< 1	36	64	253	2.72	3		70	0.7	5	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2090	751	< 1	35	59	258	2.73	4		70	0.7	4	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 923 (AQUA REGIA) Meas									1.4	< 0.5	4380	874	< 1	34	84	323	2.73	6		56	0.6	26	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.3	< 0.5	4400	877	< 1	33	80	326	2.73	5		56	0.6	18	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.3	< 0.5	4220	859	< 1	33	82	328	2.77	5		55	0.6	14	0.36

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.4	< 0.5	4380	874	< 1	34	84	323	2.73	6		56	0.6	26	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.3	< 0.5	4400	877	< 1	33	80	326	2.73	5		56	0.6	18	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.3	< 0.5	4220	859	< 1	33	82	328	2.77	5		55	0.6	14	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
Oreas 96 (Aqua Regia) Meas									10.2		> 10000				89	407						22	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.1		> 10000				89	400						8	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.2		> 10000				88	399						5	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.2		> 10000				89	407						22	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.1		> 10000				89	400						8	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.2		> 10000				88	399						5	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
OREAS 45f (Aqua Regia) Meas											318	165	< 1	237	10	25	6.80			139	1.0	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											318	165	< 1	237	10	25	6.80			139	1.0	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 238 (Fire Assay) Meas								3080															
OREAS 238 (Fire Assay) Cert								3030															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Meas								3150															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3180															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3080															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3050															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3030															
OREAS 238 (Fire Assay) Cert								3030															
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
Oreas E1336 (Fire Assay) Meas								529															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								506															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								523															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								509															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								494															
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								493															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas E1336 (Fire Assay) Cert								510.000															
Oreas E1336 (Fire Assay) Meas								497															
Oreas E1336 (Fire Assay) Cert								510.000															
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									38.6	163	1950	454	9	13	> 5000	> 10000	1.21	48		< 10	0.6	< 2	1.23
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									38.6	162	1940	437	9	13	> 5000	> 10000	1.19	49		< 10	0.6	< 2	1.23
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									38.6	163	1950	454	9	13	> 5000	> 10000	1.21	48		< 10	0.6	< 2	1.23
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									38.6	162	1940	437	9	13	> 5000	> 10000	1.19	49		< 10	0.6	< 2	1.23
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
1320053035 Orig							0.76	618															
1320053035 Dup							0.74	595															
1431001148 Orig									0.7	< 0.5	248	1460	< 1	60	< 2	144	3.74	8	23	< 10	< 0.5	< 2	3.20
1431001148 Dup									0.7	< 0.5	244	1460	< 1	59	< 2	144	3.77	10	21	< 10	< 0.5	2	2.87
1431001148 Orig									0.7	< 0.5	248	1460	< 1	60	< 2	144	3.74	8	23	< 10	< 0.5	< 2	3.20
1431001148 Dup									0.7	< 0.5	244	1460	< 1	59	< 2	144	3.77	10	21	< 10	< 0.5	2	2.87
1431003304 Orig							0.59																
1431003304 Dup							0.61																
1431003332 Orig								50															
1431003332 Dup								50															
1431003204 Orig																							
1431003204 Dup																							
1320053039 Orig									1.8	9.1	99	969	< 1	4	355	2210	0.89	87	21	19	< 0.5	< 2	1.63
1320053039 Dup									0.8	9.1	102	959	< 1	6	365	2210	0.86	107	21	19	< 0.5	< 2	1.62
1320053039 Orig									1.8	9.1	99	969	< 1	4	355	2210	0.89	87	21	19	< 0.5	< 2	1.63
1320053039 Dup									0.8	9.1	102	959	< 1	6	365	2210	0.86	107	21	19	< 0.5	< 2	1.62

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1432086002 Orig								140															
1432086002 Dup								144															
1431004048 Orig																							
1431004048 Dup																							
1431004140 Orig							0.30																
1431004140 Dup							0.32																
1431004042 Orig									0.4	< 0.5	52	345	2	11	6	63	1.47	8	21	21	< 0.5	< 2	1.53
1431004042 Dup									0.3	< 0.5	52	345	2	9	5	65	1.46	8	21	19	< 0.5	< 2	1.54
1431004042 Orig									0.4	< 0.5	52	345	2	11	6	63	1.47	8	21	21	< 0.5	< 2	1.53
1431004042 Dup									0.3	< 0.5	52	345	2	9	5	65	1.46	8	21	19	< 0.5	< 2	1.54
1431004161 Orig								37															
1431004161 Dup								38															
1431004146 Orig							0.81																
1431004146 Dup							0.87																
1431004228 Orig																							
1431004228 Dup																							
1315014025 Orig	None	-58.5		12.7	0.178	71.15																	
1315014025 Dup	None	-57.4		13.7	0.193	71.15																	
1315014061 Orig								101															
1315014061 Dup								96															
1315014044 Orig																							
1315014044 Dup																							
1431003382 Orig							0.52																
1431003382 Dup							0.50																
1430097001 Orig									< 0.2	< 0.5	53	1180	< 1	24	< 2	69	1.56	3	16	12	< 0.5	< 2	0.98
1430097001 Dup									< 0.2	< 0.5	58	1220	< 1	24	2	72	1.59	< 2	19	13	< 0.5	< 2	1.00
1430097001 Orig									< 0.2	< 0.5	53	1180	< 1	24	< 2	69	1.56	3	16	12	< 0.5	< 2	0.98
1430097001 Dup									< 0.2	< 0.5	58	1220	< 1	24	2	72	1.59	< 2	19	13	< 0.5	< 2	1.00
1431003298 Orig							0.87	109															
1431003298 Dup							0.89	111															
1431003298 Orig																							
1431003298 Dup																							
1431005676 Orig			9.60																				
1431005676 Dup			9.61																				
1315013097 Orig																							
1315013097 Dup																							
1315013039 Orig								833															
1315013039 Dup								877															
1431005065 Orig							0.97		0.4	< 0.5	121	1130	< 1	188	< 2	100	4.12	8	24	28	< 0.5	< 2	3.58
1431005065 Dup							0.97		0.5	< 0.5	125	1110	< 1	188	< 2	99	4.03	9	21	28	< 0.5	< 2	3.56
1431005065 Orig									0.4	< 0.5	121	1130	< 1	188	< 2	100	4.12	8	24	28	< 0.5	< 2	3.58
1431005065 Dup									0.5	< 0.5	125	1110	< 1	188	< 2	99	4.03	9	21	28	< 0.5	< 2	3.56
1430097030 Orig								265															
1430097030 Dup								272															
1322047177 Orig																							
1322047177 Dup																							
1322047127 Orig							0.45																
1322047127 Dup							0.44																
1315015169 Orig									0.3	< 0.5	63	332	2	7	4	55	2.43	9	21	17	< 0.5	< 2	1.09

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1315015169 Dup									0.3	< 0.5	62	326	3	6	5	56	2.41	8	21	16	< 0.5	< 2	1.08
1315015169 Orig									0.3	< 0.5	63	332	2	7	4	55	2.43	9	21	17	< 0.5	< 2	1.09
1315015169 Dup									0.3	< 0.5	62	326	3	6	5	56	2.41	8	21	16	< 0.5	< 2	1.08
1432083112 Orig	Slight	-6.80		35.2	0.838	41.97																	
1432083112 Dup	Slight	-7.35		34.6	0.825	41.97																	
1315015047 Orig								200															
1315015047 Dup								173															
1321070103 Orig																							
1321070103 Dup																							
1315015012 Orig							0.69																
1315015012 Dup							0.72																
1321070143 Orig									0.3	< 0.5	39	967	1	7	44	178	1.01	62	20	19	< 0.5	< 2	1.66
1321070143 Dup									0.4	< 0.5	37	971	< 1	7	46	179	1.02	56	21	19	< 0.5	< 2	1.66
1321070143 Orig									0.3	< 0.5	39	967	1	7	44	178	1.01	62	20	19	< 0.5	< 2	1.66
1321070143 Dup									0.4	< 0.5	37	971	< 1	7	46	179	1.02	56	21	19	< 0.5	< 2	1.66
1321070006 Orig								203															
1321070006 Dup								201															
1321070120 Orig																							
1321070120 Dup																							
1321070086 Orig							0.50																
1321070086 Dup							0.55																
1432083104 Orig								171															
1432083104 Dup								171															
1322047008 Orig																							
1322047008 Dup																							
1432083082 Orig									0.6	1.3	97	1080	< 1	27	3	311	2.80	10	20	28	< 0.5	< 2	3.12
1432083082 Dup									0.6	1.3	96	1070	< 1	27	2	314	2.77	10	19	27	< 0.5	< 2	3.08
1432083082 Orig									0.6	1.3	97	1080	< 1	27	3	311	2.80	10	20	28	< 0.5	< 2	3.12
1432083082 Dup									0.6	1.3	96	1070	< 1	27	2	314	2.77	10	19	27	< 0.5	< 2	3.08
1432082227 Orig							0.44																
1432082227 Dup							0.47																
1314004703 Orig								94															
1314004703 Dup								136															
1322047006 Orig																							
1322047006 Dup																							
1314004716 Orig							0.40																
1314004716 Dup							0.37																
1314004009 Orig									< 0.2	< 0.5	104	333	< 1	5	2	40	2.77	6	22	27	< 0.5	< 2	1.06
1314004009 Dup									< 0.2	< 0.5	103	325	1	5	2	39	2.75	7	21	24	< 0.5	2	1.06
1314004009 Orig									< 0.2	< 0.5	104	333	< 1	5	2	40	2.77	6	22	27	< 0.5	< 2	1.06
1314004009 Dup									< 0.2	< 0.5	103	325	1	5	2	39	2.75	7	21	24	< 0.5	2	1.06
1314004141 Orig																							
1314004141 Dup																							
1313001001 Orig	None	-33.3		16.5	0.331	49.80		436															
1313001001 Dup	None	-33.3		16.5	0.331	49.80		410															
1314004079 Orig			7.75																				
1314004079 Dup			7.75																				
1314004071 Orig							0.33																
1314004071 Dup							0.31																

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit			0.01			0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1314003033 Orig								305	< 0.2	< 0.5	127	395	< 1	7	3	35	3.17	11	21	19	< 0.5	< 2	1.39
1314003033 Dup								287	0.3	< 0.5	128	404	< 1	5	3	35	3.25	8	21	19	< 0.5	< 2	1.41
1314003033 Orig									< 0.2	< 0.5	127	395	< 1	7	3	35	3.17	11	21	19	< 0.5	< 2	1.39
1314003033 Dup									0.3	< 0.5	128	404	< 1	5	3	35	3.25	8	21	19	< 0.5	< 2	1.41
1314002147 Orig																							
1314002147 Dup																							
1324072224 Orig							0.48																
1324072224 Dup							0.47																
1324072131 Orig								23															
1324072131 Dup								20															
1324072240 Orig									< 0.2	< 0.5	25	608	< 1	25	3	84	1.46	3	29	126	< 0.5	< 2	2.00
1324072240 Dup									< 0.2	< 0.5	26	620	< 1	24	3	86	1.49	3	25	128	< 0.5	< 2	2.06
1324072240 Orig									< 0.2	< 0.5	25	608	< 1	25	3	84	1.46	3	29	126	< 0.5	< 2	2.00
1324072240 Dup									< 0.2	< 0.5	26	620	< 1	24	3	86	1.49	3	25	128	< 0.5	< 2	2.06
1324079113 Orig								41															
1324079113 Dup								39															
1324079015 Orig							0.44																
1324079015 Dup							0.43																
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
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Method Blank								< 5															
Method Blank								< 5															
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	45	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	45	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	38	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	38	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	1	< 2	< 2	< 0.01	< 2	43	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	1	< 2	< 2	< 0.01	< 2	43	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	35	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	35	< 10	< 0.5	< 2	< 0.01
Method Blank								< 5															
Method Blank								< 5															

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GXR-6 Meas	13	77	5.34	20	< 1	0.96	< 10	0.36	0.056	0.034	0.01	5	19	27		< 1	< 2	< 10	159	< 10	4	9	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	13	77	5.34	20	< 1	0.96	< 10	0.36	0.056	0.034	0.01	5	19	27		< 1	< 2	< 10	159	< 10	4	9	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
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RTS-3a Meas																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
RTS-3a Cert																							
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.08
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							< 0.01
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SiO2 Meas																							< 0.01
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
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NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	21	45	5.35	< 10		0.42	35	1.33	0.021	0.066	0.39	3	4	17			< 2	< 10	33	< 10	16	20	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	45	5.16	< 10		0.41	34	1.28	0.020	0.065	0.38	2	4	16			< 2	< 10	32	< 10	16	19	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	43	4.93	< 10		0.38	32	1.23	0.019	0.062	0.36	2	3	16			< 2	< 10	31	< 10	15	20	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	21	45	5.35	< 10		0.42	35	1.33	0.021	0.066	0.39	3	4	17			< 2	< 10	33	< 10	16	20	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	45	5.16	< 10		0.41	34	1.28	0.020	0.065	0.38	2	4	16			< 2	< 10	32	< 10	16	19	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	43	4.93	< 10		0.38	32	1.23	0.019	0.062	0.36	2	3	16			< 2	< 10	31	< 10	15	20	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	22	40	5.86	< 10		0.34	31	1.37		0.062	0.68	< 2	3	15			< 2	< 10	32	< 10	14	26	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	23	42	5.88	< 10		0.34	31	1.37		0.062	0.69	3	3	14			< 2	< 10	32	< 10	14	26	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	41	5.71	< 10		0.33	30	1.33		0.060	0.67	3	3	14			< 2	< 10	31	< 10	14	22	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	40	5.86	< 10		0.34	31	1.37		0.062	0.68	< 2	3	15			< 2	< 10	32	< 10	14	26	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
OREAS 923 (AQUA REGIA) Meas	23	42	5.88	< 10		0.34	31	1.37		0.062	0.69	3	3	14			< 2	< 10	32	< 10	14	26	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	41	5.71	< 10		0.33	30	1.33		0.060	0.67	3	3	14			< 2	< 10	31	< 10	14	22	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas	47										3.97	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	46										3.88	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	45										3.77	7											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	47										3.97	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	46										3.88	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	45										3.77	7											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
OREAS 45f (Aqua Regia) Meas	38	338	12.6	20	2	0.08	< 10	0.16	0.031	0.020	0.02		27	14	0.15		< 2	< 10	189		4	23	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	38	338	12.6	20	2	0.08	< 10	0.16	0.031	0.020	0.02		27	14	0.15		< 2	< 10	189		4	23	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
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GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
Oreas E1336 (Fire Assay) Meas																							
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Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							8.17
GS317-5 Cert																							8.46
GS317-5 Meas																							8.22
GS317-5 Cert																							8.46
GS317-5 Meas																							8.19
GS317-5 Cert																							8.46
GS317-5 Meas																							8.38

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS317-5 Cert																							8.46
GS317-5 Meas																							8.10
GS317-5 Cert																							8.46
GS317-5 Meas																							8.01
GS317-5 Cert																							8.46
GS317-5 Meas																							8.00
GS317-5 Cert																							8.46
Oreas 620 (Aqua Regia) Meas	14	17	2.73	< 10	2	0.30	25	0.27	0.120	0.033	2.67	63		20			< 2	< 10	8	< 10	7	59	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	17	2.66	< 10	2	0.28	24	0.27	0.115	0.029	2.60	62		19			< 2	< 10	8	< 10	7	19	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	17	2.73	< 10	2	0.30	25	0.27	0.120	0.033	2.67	63		20			< 2	< 10	8	< 10	7	59	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	17	2.66	< 10	2	0.28	24	0.27	0.115	0.029	2.60	62		19			< 2	< 10	8	< 10	7	19	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
1320053035 Orig																							0.58
1320053035 Dup																							0.59
1431001148 Orig	40	9	9.46	10	1	0.03	< 10	2.51	0.016	0.041	2.06	4	14	40	0.01	< 1	< 2	< 10	352	< 10	4	5	
1431001148 Dup	39	10	9.38	10	< 1	0.03	< 10	2.50	0.016	0.041	1.78	4	14	40	0.01	< 1	< 2	< 10	348	< 10	4	5	
1431001148 Orig	40	9	9.46	10	1	0.03	< 10	2.51	0.016	0.041	2.06	4	14	40	0.01	< 1	< 2	< 10	352	< 10	4	5	
1431001148 Dup	39	10	9.38	10	< 1	0.03	< 10	2.50	0.016	0.041	1.78	4	14	40	0.01	< 1	< 2	< 10	348	< 10	4	5	
1431003304 Orig																							
1431003304 Dup																							
1431003332 Orig																							
1431003332 Dup																							
1431003204 Orig																							1.53
1431003204 Dup																							1.52
1320053039 Orig	7	3	2.11	< 10	< 1	0.21	12	0.65	0.014	0.041	1.98	4	< 1	18	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
1320053039 Dup	7	3	2.09	< 10	< 1	0.21	12	0.64	0.013	0.042	1.98	4	< 1	18	< 0.01	< 1	< 2	< 10	4	< 10	2	6	
1320053039 Orig	7	3	2.11	< 10	< 1	0.21	12	0.65	0.014	0.041	1.98	4	< 1	18	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
1320053039 Dup	7	3	2.09	< 10	< 1	0.21	12	0.64	0.013	0.042	1.98	4	< 1	18	< 0.01	< 1	< 2	< 10	4	< 10	2	6	
1432086002 Orig																							
1432086002 Dup																							
1431004048 Orig																							0.67
1431004048 Dup																							0.67
1431004140 Orig																							
1431004140 Dup																							
1431004042 Orig	11	10	2.52	< 10	< 1	0.10	10	0.83	0.103	0.042	1.73	2	1	66	0.01	< 1	< 2	< 10	15	< 10	2	10	
1431004042 Dup	12	10	2.53	< 10	< 1	0.10	10	0.84	0.103	0.043	1.73	3	1	67	0.01	< 1	< 2	< 10	15	< 10	2	9	
1431004042 Orig	11	10	2.52	< 10	< 1	0.10	10	0.83	0.103	0.042	1.73	2	1	66	0.01	< 1	< 2	< 10	15	< 10	2	10	
1431004042 Dup	12	10	2.53	< 10	< 1	0.10	10	0.84	0.103	0.043	1.73	3	1	67	0.01	< 1	< 2	< 10	15	< 10	2	9	
1431004161 Orig																							
1431004161 Dup																							
1431004146 Orig																							
1431004146 Dup																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1431004228 Orig																							0.64
1431004228 Dup																							0.64
1315014025 Orig																							
1315014025 Dup																							
1315014061 Orig																							
1315014061 Dup																							
1315014044 Orig																							0.14
1315014044 Dup																							0.13
1431003382 Orig																							
1431003382 Dup																							
1430097001 Orig	14	9	3.18	< 10	< 1	0.10	22	0.95	0.072	0.064	2.08	< 2	1	46	< 0.01	2	< 2	< 10	12	< 10	3	5	
1430097001 Dup	15	10	3.23	< 10	< 1	0.11	23	0.98	0.076	0.067	2.08	2	2	47	< 0.01	< 1	< 2	< 10	12	< 10	3	5	
1430097001 Orig	14	9	3.18	< 10	< 1	0.10	22	0.95	0.072	0.064	2.08	< 2	1	46	< 0.01	2	< 2	< 10	12	< 10	3	5	
1430097001 Dup	15	10	3.23	< 10	< 1	0.11	23	0.98	0.076	0.067	2.08	2	2	47	< 0.01	< 1	< 2	< 10	12	< 10	3	5	
1431003298 Orig																							0.93
1431003298 Dup																							0.94
1431003298 Orig																							0.55
1431003298 Dup																							0.94
1431005676 Orig																							
1431005676 Dup																							
1315013097 Orig																							0.20
1315013097 Dup																							0.21
1315013039 Orig																							
1315013039 Dup																							
1431005065 Orig	38	405	6.94	< 10	1	0.16	< 10	4.07	0.014	0.021	1.20	4	12	59	0.17	6	< 2	< 10	113	< 10	3	4	
1431005065 Dup	38	396	6.84	< 10	< 1	0.16	< 10	4.03	0.014	0.021	1.17	6	12	58	0.16	4	< 2	< 10	109	< 10	3	4	
1431005065 Orig	38	405	6.94	< 10	1	0.16	< 10	4.07	0.014	0.021	1.20	4	12	59	0.17	6	< 2	< 10	113	< 10	3	4	
1431005065 Dup	38	396	6.84	< 10	< 1	0.16	< 10	4.03	0.014	0.021	1.17	6	12	58	0.16	4	< 2	< 10	109	< 10	3	4	
1430097030 Orig																							
1430097030 Dup																							
1322047177 Orig																							0.86
1322047177 Dup																							0.86
1322047127 Orig																							
1322047127 Dup																							
1315015169 Orig	10	7	3.39	< 10	< 1	0.12	13	0.83	0.199	0.041	2.04	< 2	1	133	0.02	< 1	< 2	< 10	13	< 10	3	17	
1315015169 Dup	9	7	3.34	< 10	< 1	0.12	13	0.82	0.194	0.041	2.07	< 2	1	132	0.02	2	< 2	< 10	13	< 10	2	16	
1315015169 Orig	10	7	3.39	< 10	< 1	0.12	13	0.83	0.199	0.041	2.04	< 2	1	133	0.02	< 1	< 2	< 10	13	< 10	3	17	
1315015169 Dup	9	7	3.34	< 10	< 1	0.12	13	0.82	0.194	0.041	2.07	< 2	1	132	0.02	2	< 2	< 10	13	< 10	2	16	
1432083112 Orig																							
1432083112 Dup																							
1315015047 Orig																							
1315015047 Dup																							
1321070103 Orig																							0.70
1321070103 Dup																							0.71
1315015012 Orig																							
1315015012 Dup																							
1321070143 Orig	7	4	1.93	< 10	< 1	0.18	15	0.50	0.020	0.037	1.81	< 2	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	2	5	
1321070143 Dup	7	4	1.92	< 10	< 1	0.19	14	0.50	0.020	0.037	1.82	< 2	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	2	5	
1321070143 Orig	7	4	1.93	< 10	< 1	0.18	15	0.50	0.020	0.037	1.81	< 2	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	2	5	
1321070143 Dup	7	4	1.92	< 10	< 1	0.19	14	0.50	0.020	0.037	1.82	< 2	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	2	5	
1321070006 Orig																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1321070006 Dup																							
1321070120 Orig																							0.60
1321070120 Dup																							0.59
1321070086 Orig																							
1321070086 Dup																							
1432083104 Orig																							
1432083104 Dup																							
1322047008 Orig																							0.57
1322047008 Dup																							0.57
1432083082 Orig	28	20	6.86	< 10	< 1	0.10	< 10	2.00	0.087	0.042	1.14	3	8	64	0.10	< 1	< 2	< 10	242	< 10	5	8	
1432083082 Dup	28	20	6.75	< 10	1	0.10	< 10	1.97	0.085	0.041	1.12	4	8	63	0.10	< 1	< 2	< 10	243	< 10	5	8	
1432083082 Orig	28	20	6.86	< 10	< 1	0.10	< 10	2.00	0.087	0.042	1.14	3	8	64	0.10	< 1	< 2	< 10	242	< 10	5	8	
1432083082 Dup	28	20	6.75	< 10	1	0.10	< 10	1.97	0.085	0.041	1.12	4	8	63	0.10	< 1	< 2	< 10	243	< 10	5	8	
1432082227 Orig																							
1432082227 Dup																							
1314004703 Orig																							
1314004703 Dup																							
1322047006 Orig																							1.05
1322047006 Dup																							1.05
1314004716 Orig																							
1314004716 Dup																							
1314004009 Orig	7	8	3.69	< 10	< 1	0.16	12	1.02	0.156	0.039	1.39	< 2	1	119	0.03	< 1	< 2	< 10	13	< 10	2	9	
1314004009 Dup	7	8	3.61	< 10	< 1	0.16	12	1.00	0.153	0.038	1.36	3	1	120	0.03	< 1	< 2	< 10	12	< 10	2	9	
1314004009 Orig	7	8	3.69	< 10	< 1	0.16	12	1.02	0.156	0.039	1.39	< 2	1	119	0.03	< 1	< 2	< 10	13	< 10	2	9	
1314004009 Dup	7	8	3.61	< 10	< 1	0.16	12	1.00	0.153	0.038	1.36	3	1	120	0.03	< 1	< 2	< 10	12	< 10	2	9	
1314004141 Orig																							0.22
1314004141 Dup																							0.22
1313001001 Orig																							
1313001001 Dup																							
1314004079 Orig																							
1314004079 Dup																							
1314004071 Orig																							
1314004071 Dup																							
1314003033 Orig	12	9	3.07	< 10	< 1	0.10	12	0.94	0.195	0.035	1.38	< 2	1	145	0.01	< 1	< 2	< 10	14	< 10	2	10	
1314003033 Dup	12	9	3.08	< 10	< 1	0.10	12	0.96	0.197	0.035	1.39	2	1	146	0.01	< 1	< 2	< 10	14	< 10	2	12	
1314003033 Orig	12	9	3.07	< 10	< 1	0.10	12	0.94	0.195	0.035	1.38	< 2	1	145	0.01	< 1	< 2	< 10	14	< 10	2	10	
1314003033 Dup	12	9	3.08	< 10	< 1	0.10	12	0.96	0.197	0.035	1.39	2	1	146	0.01	< 1	< 2	< 10	14	< 10	2	12	
1314002147 Orig																							0.23
1314002147 Dup																							0.23
1324072224 Orig																							
1324072224 Dup																							
1324072131 Orig																							0.81
1324072131 Dup																							0.75
1324072240 Orig	11	29	2.62	< 10	< 1	0.42	16	1.24	0.041	0.059	0.32	2	3	80	0.10	4	< 2	< 10	29	< 10	3	11	
1324072240 Dup	11	30	2.66	< 10	< 1	0.42	16	1.27	0.041	0.060	0.32	< 2	3	80	0.10	< 1	< 2	< 10	29	< 10	3	10	
1324072240 Orig	11	29	2.62	< 10	< 1	0.42	16	1.24	0.041	0.059	0.32	2	3	80	0.10	4	< 2	< 10	29	< 10	3	11	
1324072240 Dup	11	30	2.66	< 10	< 1	0.42	16	1.27	0.041	0.060	0.32	< 2	3	80	0.10	< 1	< 2	< 10	29	< 10	3	10	
1324079113 Orig																							
1324079113 Dup																							
1324079015 Orig																							
1324079015 Dup																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Method Blank																							
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Method Blank																							
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Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																							
Method Blank																							

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	13.7
BaSO4 Cert	14.0
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	13.9
BaSO4 Cert	14.0
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	13.2
BaSO4 Cert	14.0
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	13.7
BaSO4 Cert	14.0
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	14.0
BaSO4 Cert	14.0
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	14.2
BaSO4 Cert	14.0
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	14.0
BaSO4 Cert	14.0
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	
RTS-3a Cert	
RTS-3a Meas	

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
RTS-3a Cert	
GS311-4 Meas	0.57
GS311-4 Cert	0.54
GS311-4 Meas	0.56
GS311-4 Cert	0.54
GS311-4 Meas	0.56
GS311-4 Cert	0.54
GS311-4 Meas	0.55
GS311-4 Cert	0.54
GS311-4 Meas	0.54
GS311-4 Cert	0.54
GS311-4 Meas	0.54
GS311-4 Cert	0.54
GS311-4 Meas	0.54
GS311-4 Cert	0.54
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	< 0.01
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	0.01
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	< 0.01
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	< 0.01
SiO2 Cert	
SiO2 Meas	
SiO2 Cert	
SiO2 Meas	< 0.01
SiO2 Cert	
SiO2 Meas	< 0.01
SiO2 Cert	
SiO2 Meas	< 0.01
SiO2 Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
NBM-1 (slight fzz) Meas	

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
NBM-1 (slight fzz) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
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OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire	

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
GS316-3 Meas	0.36
GS316-3 Cert	0.340
GS316-3 Meas	0.36
GS316-3 Cert	0.340
GS316-3 Meas	0.34
GS316-3 Cert	0.340
GS316-3 Meas	0.32
GS316-3 Cert	0.340
GS316-3 Meas	0.30
GS316-3 Cert	0.340
GS316-3 Meas	0.32
GS316-3 Cert	0.340
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
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Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
GS317-5 Meas	14.6
GS317-5 Cert	15.5
GS317-5 Meas	15.0
GS317-5 Cert	15.5
GS317-5 Meas	14.8
GS317-5 Cert	15.5
GS317-5 Meas	14.8

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
GS317-5 Cert	15.5
GS317-5 Meas	14.7
GS317-5 Cert	15.5
GS317-5 Meas	15.1
GS317-5 Cert	15.5
GS317-5 Meas	15.2
GS317-5 Cert	15.5
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	
Oreas 620 (Aqua Regia) Meas	
Oreas 620 (Aqua Regia) Cert	
1320053035 Orig	1.58
1320053035 Dup	1.59
1431001148 Orig	
1431001148 Dup	
1431001148 Orig	
1431001148 Dup	
1431003304 Orig	
1431003304 Dup	
1431003332 Orig	
1431003332 Dup	
1431003204 Orig	4.95
1431003204 Dup	4.97
1320053039 Orig	
1320053039 Dup	
1320053039 Orig	
1320053039 Dup	
1432086002 Orig	
1432086002 Dup	
1431004048 Orig	1.38
1431004048 Dup	1.35
1431004140 Orig	
1431004140 Dup	
1431004042 Orig	
1431004042 Dup	
1431004042 Orig	
1431004042 Dup	
1431004161 Orig	
1431004161 Dup	
1431004146 Orig	
1431004146 Dup	

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
1431004228 Orig	0.86
1431004228 Dup	0.90
1315014025 Orig	
1315014025 Dup	
1315014061 Orig	
1315014061 Dup	
1315014044 Orig	0.07
1315014044 Dup	0.07
1431003382 Orig	
1431003382 Dup	
1430097001 Orig	
1430097001 Dup	
1430097001 Orig	
1430097001 Dup	
1431003298 Orig	2.96
1431003298 Dup	2.92
1431003298 Orig	
1431003298 Dup	
1431005676 Orig	
1431005676 Dup	
1315013097 Orig	2.44
1315013097 Dup	2.51
1315013039 Orig	
1315013039 Dup	
1431005065 Orig	
1431005065 Dup	
1431005065 Orig	
1431005065 Dup	
1430097030 Orig	
1430097030 Dup	
1322047177 Orig	0.30
1322047177 Dup	0.29
1322047127 Orig	
1322047127 Dup	
1315015169 Orig	
1315015169 Dup	
1315015169 Orig	
1315015169 Dup	
1432083112 Orig	
1432083112 Dup	
1315015047 Orig	
1315015047 Dup	
1321070103 Orig	1.34
1321070103 Dup	1.36
1315015012 Orig	
1315015012 Dup	
1321070143 Orig	
1321070143 Dup	
1321070143 Orig	
1321070143 Dup	
1321070006 Orig	

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
1321070006 Dup	
1321070120 Orig	1.44
1321070120 Dup	1.33
1321070086 Orig	
1321070086 Dup	
1432083104 Orig	
1432083104 Dup	
1322047008 Orig	0.56
1322047008 Dup	0.56
1432083082 Orig	
1432083082 Dup	
1432083082 Orig	
1432083082 Dup	
1432082227 Orig	
1432082227 Dup	
1314004703 Orig	
1314004703 Dup	
1322047006 Orig	0.85
1322047006 Dup	0.86
1314004716 Orig	
1314004716 Dup	
1314004009 Orig	
1314004009 Dup	
1314004009 Orig	
1314004009 Dup	
1314004141 Orig	0.75
1314004141 Dup	0.75
1313001001 Orig	
1313001001 Dup	
1314004079 Orig	
1314004079 Dup	
1314004071 Orig	
1314004071 Dup	
1314003033 Orig	
1314003033 Dup	
1314003033 Orig	
1314003033 Dup	
1314002147 Orig	3.91
1314002147 Dup	3.92
1324072224 Orig	
1324072224 Dup	
1324072131 Orig	0.33
1324072131 Dup	0.31
1324072240 Orig	
1324072240 Dup	
1324072240 Orig	
1324072240 Dup	
1324079113 Orig	
1324079113 Dup	
1324079015 Orig	
1324079015 Dup	

Analyte Symbol	Total S
Unit Symbol	%
Lower Limit	0.01
Method Code	CS
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
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Method Blank	
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Method Blank	
Method Blank	
Method Blank	

Report No.: **A22-17874**
Report Date: **24-Mar-23**
Date Submitted: **29-Nov-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9 Canada
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

353 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-01-17 21:38:09
4F-C, S	Infrared	2023-01-12 21:02:18

REPORT **A22-17874**

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

Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: **A22-17874**
Report Date: **24-Mar-23**
Date Submitted: **29-Nov-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9 Canada
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

353 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-12-15 15:04:50
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-12-23 09:30:24
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-12-15 13:47:05

REPORT **A22-17874**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

ACTIVATION LABORATORIES LTD.
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0435-009	263	Slight	-7.15	8.73	46.7	0.867	53.83	0.85	0.5	< 0.5	138	877	1	333	16	123	2.53	32	31	46	< 0.5	< 2	2.00
1317022123	283	Slight	-24.0	8.87	29.7	0.553	53.74	0.45	2.6	0.9	41	846	1	13	78	253	2.28	21	26	31	< 0.5	5	2.15
GC22-0447-003	61	Slight	-23.7	8.90	24.0	0.503	47.68	0.41	1.1	0.7	24	898	< 1	10	111	215	1.35	39	27	32	< 0.5	< 2	1.61
GC22-0557-009	345	Slight	-8.02	9.02	32.6	0.803	40.61	0.40	0.9	1.0	27	1140	< 1	8	70	330	1.31	57	26	21	< 0.5	< 2	1.86
1317022077	260	Slight	0.560	8.76	49.6	1.01	49.06	0.43	1.6	1.1	36	807	1	10	44	289	2.12	18	29	33	< 0.5	< 2	1.83
GC22-0509-009	110	Slight	-36.6	8.72	19.7	0.350	56.24	0.47	1.6	0.8	79	772	< 1	8	105	360	0.77	45	28	20	< 0.5	< 2	1.31
GC22-0552-010	140	Slight	-18.7	8.93	30.6	0.620	49.27	0.38	0.3	< 0.5	9	584	< 1	7	27	72	2.00	41	30	24	< 0.5	< 2	1.41
GC22-0440-007	2460	Slight	-29.0	8.55	23.7	0.449	52.71	0.90	36.3	12.3	146	326	2	6	1960	3680	0.42	50	32	42	< 0.5	< 2	0.98
GC22-0546-011	443	Slight	22.2	8.89	52.6	1.73	30.40	0.40	1.2	1.2	32	2050	< 1	7	84	447	1.36	52	26	23	< 0.5	< 2	2.75
GC22-0556-004	76	Slight	17.7	8.68	75.0	1.31	57.34	0.49	0.7	0.8	20	1570	< 1	9	164	312	0.35	104	21	25	< 0.5	< 2	2.09
1317022089	307	Slight	-11.9	8.69	41.3	0.776	53.22	0.52	1.5	0.7	41	864	< 1	10	41	210	1.19	33	27	31	< 0.5	< 2	1.79
GC22-0494-010	38	Slight	-15.8	8.81	26.7	0.627	42.51	0.38	0.3	< 0.5	17	872	2	9	18	127	1.70	6	31	36	< 0.5	< 2	1.68
1319062073	252	Slight	-28.8	8.58	23.2	0.447	51.99	0.48	5.6	1.3	64	580	< 1	15	285	490	0.48	94	29	20	< 0.5	< 2	0.96
1317022026	49	None	-44.5	8.57	14.2	0.242	58.66	0.43	0.5	0.8	26	505	< 1	10	74	230	1.18	12	27	29	< 0.5	< 2	0.91
1319061016	176	Slight	10.0	8.13	26.1	1.62	16.10	0.29	7.7	1.2	21	496	< 1	25	173	416	0.88	14	31	46	< 0.5	< 2	1.22
GC22-0513-002	105	Slight	-15.3	9.31	17.5	0.533	32.76	0.28	0.3	< 0.5	14	685	< 1	7	38	112	2.36	33	29	23	< 0.5	< 2	1.19
1319061041	556	Slight	17.1	9.30	27.9	2.60	10.71	0.28	3.9	0.7	106	317	< 1	26	168	253	0.87	7	33	40	< 0.5	< 2	1.55
1319062043	422	Slight	1.40	8.77	40.2	1.04	38.78	0.44	43.9	1.4	67	469	< 1	7	412	618	0.49	45	28	27	< 0.5	< 2	1.66
1317022029	62	Slight	-29.2	8.80	27.6	0.487	56.79	0.54	0.9	< 0.5	80	827	3	9	50	122	2.55	14	23	36	< 0.5	< 2	1.97
GC22-0512-001	91	Slight	12.5	9.03	57.2	1.28	44.68	0.39	0.8	< 0.5	20	1420	< 1	6	40	103	1.13	62	22	21	< 0.5	< 2	2.26
GC22-0454-007	814	Slight	41.2	8.86	83.5	1.97	42.32	0.57	1.1	< 0.5	47	1520	< 1	75	12	198	1.82	23	28	32	< 0.5	< 2	3.17
F011944	> 5000																						
F011921	> 5000																						
1319061317	152	None	0.506	9.19	10.5	1.05	9.97	0.18	3.2	< 0.5	39	230	1	12	11	135	1.15	11	32	32	< 0.5	< 2	0.73
1319061303	231	Slight	-39.8	8.71	19.9	0.334	59.74	0.52	3.2	6.2	38	862	< 1	18	104	1550	1.70	63	31	17	< 0.5	< 2	1.06
1319062450	14	Slight	20.6	8.57	23.2	8.90	2.61	0.29	0.5	< 0.5	124	584	< 1	49	3	59	3.97	4	36	< 10	< 0.5	3	2.72
GC22-0453-001	517	Slight	22.8	8.89	45.6	2.00	22.75	0.41	0.5	< 0.5	79	1370	< 1	57	22	174	1.36	30	29	28	< 0.5	< 2	2.13
GC22-0508-009	95	Slight	2.45	9.24	41.2	1.06	38.72	0.40	0.7	< 0.5	26	1070	< 1	13	55	93	1.31	19	34	34	< 0.5	< 2	1.81
1317022025	96	Slight	-42.4	8.48	18.6	0.305	61.08	0.42	0.3	0.6	27	519	< 1	9	11	215	1.57	14	23	24	< 0.5	< 2	0.78
1319062433	37	Slight	0.587	8.95	45.3	1.01	44.74	0.42	0.7	0.6	15	783	< 1	6	27	169	1.20	30	33	27	< 0.5	< 2	1.78
1431014108	34	Slight	-13.5	8.73	12.4	0.480	25.94	0.38	< 0.2	< 0.5	135	468	2	18	3	96	1.80	< 2	27	38	< 0.5	< 2	0.51
GC22-0372-004	1120	None	-18.9	8.01	4.75	0.200	23.69	0.63	8.5	18.6	220	1320	< 1	92	< 2	3710	3.89	11	24	34	< 0.5	< 2	0.13
GC22-0434-010	617	Slight	-6.32	8.75	48.6	0.885	54.87	0.57	2.6	5.8	104	1580	< 1	7	855	1610	1.00	38	22	26	< 0.5	< 2	1.91
GC22-0499-009	129	None	-45.0	8.50	9.96	0.181	54.98	0.40	1.1	1.0	29	455	1	8	192	360	1.00	70	25	31	< 0.5	< 2	0.52
GC22-0455-013	1980	Slight	-25.4	8.65	57.1	0.693	82.46	0.72	5.5	7.0	47	1140	< 1	7	210	1790	0.58	98	31	24	< 0.5	< 2	1.86
1319062417	247	Slight	7.64	8.71	63.8	1.14	56.17	0.55	6.5	2.5	34	878	< 1	8	316	755	0.59	74	24	24	< 0.5	< 2	2.35
GC22-0538-010	62	Slight	-26.0	9.13	18.0	0.409	43.93	0.37	0.3	< 0.5	14	495	< 1	7	29	106	1.72	33	28	28	< 0.5	< 2	1.00
1319062048	1680	Slight	-21.2	8.77	38.1	0.642	59.29	0.56	13.1	2.6	10	937	< 1	6	496	832	0.37	183	29	31	< 0.5	< 2	1.68
F011917	356																						
F011926	355																						
1319060017	229	Slight	-14.7	8.97	22.5	0.604	37.20	0.39	0.4	1.3	25	790	< 1	6	32	367	1.29	36	31	32	< 0.5	< 2	1.50
1313010004	575	Slight	-47.2	8.23	45.2	0.489	92.41	0.67	0.6	< 0.5	61	510	1	50	4	65	2.76	24	27	27	< 0.5	7	1.80
1431015041	116	Slight	5.28	9.06	45.8	1.13	40.52	0.44	< 0.2	< 0.5	110	214	2	9	3	29	1.01	3	23	34	< 0.5	< 2	1.75
GC22-0580-014	86	Slight	11.3	9.08	41.9	1.37	30.58	0.40	0.6	< 0.5	18	831	< 1	10	15	92	1.23	87	31	24	< 0.5	< 2	1.89
1431015047	66	Slight	-7.53	9.22	23.6	0.758	31.16	0.38	0.4	< 0.5	110	237	2	11	4	36	0.94	2	25	29	< 0.5	< 2	0.93
GC22-0579-011	475	Slight	-4.73	8.88	58.7	0.925	63.47	0.53	3.8	2.2	29	664	< 1	6	257	695	0.39	99	27	23	< 0.5	< 2	2.23
1319060190	1230	Slight	-33.4	8.95	31.7	0.487	65.10	0.73	2.4	11.7	81	870	< 1	4	1970	3030	0.43	84	29	17	< 0.5	< 2	1.24
1319060292	176	Slight	11.0	8.90	43.8	1.34	32.82	0.51	0.5	1.9	14	1090	< 1	13	14	571	1.24	16	29	40	< 0.5	< 2	1.67
1319060018	110	Slight	-15.7	8.92	24.7	0.612	40.47	0.42	0.5	1.8	19	930	< 1	7	47	468	1.56	39	32	34	< 0.5	< 2	1.76

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1319060169	304	Slight	-19.9	9.07	25.2	0.558	45.16	0.44	0.5	2.7	25	722	< 1	8	142	665	1.32	43	26	37	< 0.5	< 2	1.16
GC22-0587-012	59	Slight	6.90	9.20	38.1	1.22	31.23	0.43	3.4	2.9	66	543	2	11	197	703	0.71	61	28	21	< 0.5	< 2	1.71
1319060071	792	None	-24.3	8.95	16.9	0.411	41.19	0.46	0.4	4.2	122	868	< 1	11	207	1090	1.79	27	34	52	< 0.5	< 2	1.05
1431015117	58	Slight	39.5	8.99	56.7	3.29	17.22	0.41	< 0.2	< 0.5	86	367	2	14	3	74	1.28	4	28	33	< 0.5	< 2	2.29
1319060315	89	None	-3.52	8.97	23.2	0.868	26.70	0.70	0.8	< 0.5	725	502	< 1	1330	6	123	3.24	10	28	26	< 0.5	< 2	1.04
1319060115	391	Slight	-16.2	8.90	23.7	0.595	39.86	0.45	1.0	3.2	37	955	< 1	8	227	821	1.86	45	25	33	< 0.5	< 2	1.62
1319060086	316	Slight	-15.6	8.91	21.2	0.575	36.82	0.41	0.6	2.5	31	1040	< 1	11	134	769	1.87	38	27	38	< 0.5	< 2	1.13
GC22-0430-010	800	Slight	-13.5	8.46	46.3	0.774	59.76	0.52	4.0	3.1	67	486	< 1	8	223	944	0.43	372	24	11	< 0.5	< 2	1.97
GC22-0441-002	466	Slight	-44.2	8.70	34.7	0.440	78.94	0.54	22.3	1.6	69	352	< 1	10	70	509	0.50	72	22	20	< 0.5	< 2	1.43
GC22-0427-001	173	Slight	-28.6	8.90	49.4	0.634	78.03	0.77	1.8	11.9	104	677	< 1	44	18	3020	1.00	63	27	24	< 0.5	< 2	1.99
F011963	547																						
F011924	560																						
GC22-0436-008	213	Slight	-2.33	8.76	46.0	0.952	48.31	0.53	2.1	5.5	34	455	2	7	515	1420	0.62	93	27	18	< 0.5	< 2	1.87
GC22-0448-007	459	Slight	-14.5	9.13	22.4	0.607	36.90	0.40	0.6	1.4	26	721	1	9	35	416	1.54	39	30	34	< 0.5	< 2	1.44
GC22-0666-015	330	Slight	-0.569	8.52	22.0	0.975	22.53	0.43	0.3	< 0.5	130	262	2	7	3	32	2.24	4	23	24	< 0.5	3	1.30
GC22-0446-001	143	Slight	44.2	9.00	81.7	2.18	37.51	0.52	0.8	< 0.5	109	1660	< 1	165	30	152	1.40	542	27	46	< 0.5	< 2	3.17
1319060236	784	Slight	-34.5	8.71	29.7	0.462	64.22	0.57	0.7	5.4	58	745	< 1	10	107	1420	0.91	87	27	30	< 0.5	< 2	1.27
1319060173	897	Slight	-23.5	8.91	42.9	0.646	66.34	0.74	0.8	13.1	96	1380	< 1	7	143	3450	0.57	329	28	26	< 0.5	< 2	1.31
1319060078	158	Slight	8.44	8.90	60.0	1.16	51.60	0.50	0.4	0.6	19	1280	< 1	6	95	179	0.50	71	28	32	< 0.5	< 2	2.15
1319060077	88	Slight	30.3	8.96	80.2	1.61	49.94	0.49	0.4	1.2	20	1790	1	6	112	377	0.49	37	26	31	< 0.5	< 2	2.40
1431014033	86	None	-87.4	8.54	14.5	0.142	101.91	0.62	< 0.2	< 0.5	54	396	5	25	3	130	1.57	10	30	26	< 0.5	< 2	0.67
1317021038	246	Slight	-85.3	8.12	27.4	0.243	112.71	1.39	3.9	2.0	51	695	1	13	76	535	1.45	37	27	27	< 0.5	< 2	1.40
1317021023	94	None	-49.5	8.32	13.7	0.216	63.23	0.43	1.6	< 0.5	29	329	2	7	27	79	1.07	14	24	31	< 0.5	< 2	0.65
1319060030	360	Slight	-0.195	9.12	19.5	0.990	19.67	0.32	1.2	0.8	23	842	< 1	10	39	326	2.19	13	32	62	< 0.5	< 2	1.18
GC22-0444-011	1750	None	-203	8.16	62.7	0.236	265.73	8.27	7.0	2.1	6990	579	< 1	> 10000	6	139	2.00	19	26	< 10	< 0.5	4	1.74
1431014025	73	None	-17.8	8.89	15.7	0.470	33.49	0.70	0.4	< 0.5	279	1030	6	71	3	239	3.12	6	24	41	< 0.5	< 2	0.62
GC22-0498-011	112	Slight	-11.5	8.81	39.0	0.772	50.48	0.57	1.2	1.4	33	1140	< 1	8	262	445	0.91	81	24	40	< 0.5	< 2	1.57
GC22-0449-004	1410	Slight	23.0	8.95	53.3	1.76	30.28	0.68	17.1	2.0	41	479	< 1	9	88	621	0.41	40	31	45	< 0.5	< 2	2.20
1317021099	169	Slight	-27.7	8.73	27.9	0.501	55.62	0.62	0.5	3.3	53	634	1	10	21	740	2.34	23	23	29	< 0.5	< 2	1.86
1431014079	36	None	-86.8	8.34	25.6	0.228	112.47	1.85	< 0.2	< 0.5	54	673	2	30	4	106	1.96	3	26	22	< 0.5	< 2	1.03
1317021073	328	Slight	-33.0	8.73	20.7	0.386	53.69	0.58	1.9	1.3	20	555	< 1	9	25	317	2.39	18	33	33	< 0.5	< 2	1.57
1431014146	35	Slight	11.5	8.90	76.8	1.18	65.33	1.00	< 0.2	< 0.5	139	716	4	28	< 2	60	1.90	3	21	38	< 0.5	< 2	2.72
1431014124	54	Slight	3.84	8.77	84.1	1.05	80.22	0.94	< 0.2	< 0.5	93	785	10	23	< 2	76	1.49	3	23	28	< 0.5	< 2	2.42
1431014114	58	Slight	-26.5	8.55	64.9	0.710	91.39	0.99	< 0.2	< 0.5	55	942	7	28	3	97	1.56	5	23	27	< 0.5	< 2	1.67
1431014086	38	Slight	-20.3	8.62	41.6	0.672	61.93	0.87	< 0.2	< 0.5	79	1340	6	25	2	119	1.42	2	19	36	< 0.5	< 2	1.09
F011843	1240																						
F011969	1260																						
1319070108	32	Slight	33.3	9.33	40.5	5.64	7.18	0.37	0.3	< 0.5	21	577	< 1	10	5	177	1.58	5	31	68	< 0.5	< 2	1.79
GC22-0786-011	1720	Slight	-41.1	9.00	18.4	0.309	59.57	0.84	10.1	11.5	63	225	2	6	384	2790	0.75	122	34	27	< 0.5	< 2	0.61
1319070095	33	Slight	20.8	8.84	53.4	1.64	32.55	0.90	0.4	2.9	45	994	< 1	25	2	670	1.67	10	24	64	< 0.5	< 2	2.24
GC22-0736-007	227	Slight	-17.2	8.85	39.7	0.697	56.94	1.71	1.9	2.7	82	784	3	80	19	487	1.60	14	37	30	< 0.5	< 2	1.65
1319070043	24	Slight	42.9	9.51	46.9	11.7	4.02	0.37	< 0.2	< 0.5	13	424	< 1	6	< 2	161	1.11	< 2	31	53	< 0.5	< 2	1.81
1312002039	86	None	-63.5	8.57	9.48	0.130	72.99	0.73	0.7	< 0.5	59	380	3	7	4	48	2.05	15	30	35	< 0.5	8	0.82
GC22-0698-002	101	Slight	2.45	9.07	38.1	1.07	35.69	0.57	1.8	5.5	37	626	< 1	6	219	1310	1.19	55	34	36	< 0.5	< 2	1.61
GC22-0707-003	1190	Slight	-26.3	9.10	23.4	0.470	49.75	0.77	2.8	7.0	51	398	< 1	6	1210	2060	0.49	74	31	45	< 0.5	< 2	0.97
1319066084	74	Slight	36.9	9.24	50.8	3.64	13.97	0.47	0.3	< 0.5	16	767	1	21	3	130	1.72	6	35	76	< 0.5	< 2	2.03
GC22-0737-006	196	Slight	30.3	8.99	63.8	1.91	33.47	0.49	0.6	0.9	18	731	< 1	8	237	304	0.42	41	29	27	< 0.5	< 2	2.51
GC22-0864-004	948	None	-22.9	9.03	31.6	0.580	54.53	0.71	1.8	4.2	60	1210	1	9	1090	1260	0.42	69	29	40	< 0.5	< 2	1.01
GC22-0863-004	1150	Slight	24.3	9.13	58.1	1.72	33.78	0.69	1.4	3.7	50	1740	< 1	7	592	968	0.62	61	28	56	< 0.5	< 2	2.02

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0719-012	665	Slight	-28.2	9.01	25.2	0.472	53.41	0.94	0.8	18.5	31	410	< 1	10	15	4360	0.66	74	24	27	< 0.5	< 2	1.01
1319066331	338	Slight	11.7	8.65	55.8	1.27	44.10	1.82	1.8	1.2	102	1290	< 1	58	4	458	3.60	4	26	33	< 0.5	< 2	2.65
1319066070	47	Slight	36.4	9.23	45.0	5.25	8.56	0.45	< 0.2	< 0.5	18	678	< 1	15	5	85	1.23	8	32	52	< 0.5	< 2	2.12
GC22-0733-003	86	Slight	23.7	9.12	43.6	2.19	19.92	0.41	< 0.2	< 0.5	16	724	< 1	34	7	100	1.87	44	31	45	< 0.5	< 2	1.99
1319066342	79	Slight	88.3	8.56	126	3.33	37.97	1.47	0.5	< 0.5	72	1480	< 1	51	2	240	3.89	6	27	43	< 0.5	< 2	4.13
1319066110	55	Slight	45.6	9.28	55.1	5.82	9.46	0.40	0.4	< 0.5	19	785	< 1	11	4	70	1.10	7	28	63	< 0.5	< 2	2.00
1319070113	59	Slight	-5.80	8.69	51.0	0.898	56.76	1.46	0.6	0.5	89	1330	< 1	46	2	279	2.84	13	29	34	< 0.5	< 2	2.19
GC22-0745-014	21	Slight	-15.3	8.92	28.0	0.646	43.31	0.47	0.6	< 0.5	27	549	1	10	25	90	1.55	25	26	35	< 0.5	< 2	1.60
1319070518	38	Slight	33.1	8.86	67.2	1.97	34.10	1.16	0.4	1.0	82	1220	< 1	40	6	364	3.08	10	31	46	< 0.5	< 2	2.89
1319070188	60	Slight	54.3	8.85	74.7	3.66	20.43	0.62	0.3	< 0.5	15	801	< 1	28	4	141	2.15	5	34	75	< 0.5	< 2	2.81
1319066091	17	Slight	62.9	9.52	63.0	403	< 0.31	0.37	< 0.2	< 0.5	14	619	< 1	27	2	96	1.73	3	31	108	< 0.5	< 2	2.14
GC22-0866-002	557	Slight	-3.10	9.31	31.9	0.911	35.02	0.53	2.0	5.5	122	513	< 1	9	1050	1800	0.46	64	36	43	< 0.5	< 2	1.08
1319066094	53	Slight	39.2	9.38	47.1	5.98	7.87	0.42	0.4	< 0.5	21	753	1	12	4	84	1.36	6	32	61	< 0.5	< 2	1.90
F012549	1240																						
1431016137	57	Slight	-8.75	8.96	54.1	0.861	62.87	0.79	< 0.2	< 0.5	88	452	< 1	30	< 2	54	1.50	< 2	24	34	< 0.5	< 2	2.63
GC22-0591-003	2360	None	-30.9	8.32	13.2	0.300	44.18	0.38	0.2	< 0.5	169	208	< 1	3	< 2	25	3.32	5	29	31	< 0.5	8	1.54
1431016027	68	Slight	20.1	9.05	80.6	1.33	60.45	0.67	< 0.2	< 0.5	48	464	< 1	21	< 2	39	1.01	3	28	29	< 0.5	< 2	2.75
GC22-0573-007	909	None	-37.3	8.58	8.97	0.194	46.26	0.40	0.3	< 0.5	350	227	< 1	3	< 2	23	2.42	6	27	30	< 0.5	3	0.95
GC22-0511-020	56	Slight	56.8	8.64	97.4	2.40	40.68	0.71	0.2	< 0.5	10	1170	< 1	32	2	70	1.43	19	24	40	< 0.5	< 2	3.63
GC22-2045-001	449	None	-63.7	8.23	7.98	0.111	71.71	0.57	0.4	< 0.5	234	213	< 1	3	< 2	20	2.21	5	24	33	< 0.5	4	0.79
GC22-0518-014	133	Slight	40.9	8.61	89.1	1.85	48.25	0.74	0.7	< 0.5	30	1230	< 1	22	4	104	1.68	15	23	42	< 0.5	< 2	2.93
GC22-0518-018	202	Slight	17.7	8.56	87.5	1.25	69.86	0.98	1.1	< 0.5	55	1350	< 1	59	4	136	3.95	20	23	33	< 0.5	< 2	3.31
1431016157	81	Slight	0.277	9.06	35.2	1.01	34.89	0.46	0.3	< 0.5	67	375	1	17	9	78	1.17	9	31	31	< 0.5	< 2	1.43
1431017033	260	None	-38.2	8.78	9.49	0.199	47.68	0.48	0.5	< 0.5	243	246	3	20	3	115	1.80	< 2	25	46	< 0.5	< 2	0.38
1431017077	44	None	-58.1	8.13	6.99	0.107	65.06	0.75	< 0.2	< 0.5	31	1730	< 1	24	2	187	1.75	4	23	25	< 0.5	< 2	0.27
GC22-0596-001	617	None	-15.1	8.99	52.4	0.777	67.43	0.64	9.6	4.9	93	804	1	12	16	965	0.67	58	26	19	< 0.5	2	1.44
GC22-0576-002	1030	None	-27.5	8.55	8.75	0.241	36.30	0.36	< 0.2	< 0.5	103	272	< 1	4	2	25	3.27	2	27	30	< 0.5	2	1.42
GC22-0575-013	559	None	-30.9	8.52	11.2	0.266	42.06	0.40	0.3	< 0.5	219	216	< 1	3	3	21	2.37	10	22	38	< 0.5	< 2	1.21
GC22-0517-007	112	Slight	-37.6	8.14	106	0.738	143.45	4.13	0.6	< 0.5	34	2120	< 1	60	6	174	3.48	34	21	16	< 0.5	4	3.04
1319063137	342	Slight	9.65	9.04	43.6	1.28	34.00	0.46	0.7	1.4	40	844	1	7	136	408	1.64	26	33	40	< 0.5	< 2	1.58
1431017035	96	None	-25.5	8.28	11.5	0.311	36.95	0.71	1.0	< 0.5	420	475	3	19	< 2	135	1.67	2	31	57	< 0.5	< 2	0.47
1317022184	2620	Slight	3.33	8.96	54.1	1.07	50.74	0.78	2.0	7.3	146	1220	1	11	82	1500	1.52	41	28	26	< 0.5	< 2	2.04
GC22-0578-001	253	None	-25.1	8.77	7.47	0.229	32.60	0.34	0.2	< 0.5	173	164	< 1	6	< 2	19	2.29	4	26	32	< 0.5	< 2	0.95
1317022156	70	Slight	0.125	9.04	53.9	1.00	53.78	0.58	0.5	2.1	57	1060	1	11	128	548	1.49	27	24	21	< 0.5	< 2	2.14
GC22-0577-001	299	None	-20.9	8.80	9.72	0.317	30.64	0.35	0.2	< 0.5	167	265	< 1	8	< 2	38	2.52	3	27	33	< 0.5	< 2	0.76
F012544	> 5000																						
GC22-0459-009	458	Slight	-6.56	8.85	36.9	0.849	43.46	0.53	1.9	1.6	61	1140	< 1	8	358	510	1.45	39	27	27	< 0.5	< 2	1.81
1317022197	195	Slight	-9.38	8.72	46.3	0.832	55.71	0.67	0.9	3.7	75	1030	1	9	59	910	1.83	40	25	26	< 0.5	< 2	2.27
1319061098	58	None	10.3	8.93	17.7	2.38	7.42	0.51	< 0.2	< 0.5	383	547	< 1	372	4	57	4.90	< 2	35	10	< 0.5	< 2	3.04
1431016425	66	Slight	33.5	9.11	53.5	2.67	20.04	0.39	< 0.2	< 0.5	50	284	< 1	13	5	47	1.17	6	30	39	< 0.5	< 2	1.94
1431016002	50	Slight	36.7	9.14	59.5	2.61	22.75	0.35	0.2	< 0.5	70	296	3	8	< 2	36	1.26	< 2	25	32	< 0.5	< 2	1.89
GC22-0433-005	204	Slight	7.67	8.59	62.7	1.14	55.08	0.54	0.8	0.6	18	1530	1	7	194	188	0.75	73	26	25	< 0.5	< 2	2.20
GC22-0553-002	143	Slight	62.0	8.95	90.4	3.18	28.43	0.45	0.2	< 0.5	18	1700	< 1	6	27	83	0.60	43	24	20	< 0.5	< 2	2.99
GC22-0429-001	64	None	-18.6	8.84	14.7	0.441	33.29	0.44	0.3	< 0.5	30	714	1	24	38	130	2.50	12	36	41	< 0.5	< 2	1.22
GC22-0450-009	66	Slight	59.3	8.82	82.0	3.61	22.74	0.48	< 0.2	< 0.5	20	902	< 1	36	5	97	2.79	5	21	22	< 0.5	< 2	3.27
GC22-0562-007	148	Slight	0.380	9.01	30.6	1.01	30.26	0.34	0.3	< 0.5	17	667	< 1	9	67	113	1.94	46	27	31	< 0.5	< 2	1.33
1317022013	613	Slight	1.90	8.97	50.8	1.04	48.94	0.49	1.3	1.4	57	1090	< 1	10	28	358	1.54	23	24	34	< 0.5	< 2	2.12
1431016097	70	Slight	16.6	9.01	51.2	1.48	34.51	0.43	0.4	< 0.5	46	434	< 1	15	8	90	0.96	10	30	29	< 0.5	< 2	1.95
GC22-0555-010	65	Slight	24.7	8.67	78.1	1.46	53.33	0.52	0.9	< 0.5	13	1450	< 1	8	70	82	0.44	176	27	25	< 0.5	< 2	2.34

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0437-001	56	Slight	-11.6	8.69	21.0	0.644	32.56	0.38	0.3	< 0.5	26	597	< 1	6	36	110	1.75	33	30	37	< 0.5	< 2	1.05
GC22-0507-001	74	Slight	28.2	9.24	38.5	3.75	10.25	0.53	0.3	0.7	20	816	1	11	9	213	1.67	5	31	92	< 0.5	< 2	1.73
GC22-0524-002	182	Slight	11.7	8.86	45.3	1.35	33.62	0.42	0.4	0.7	26	1260	< 1	7	51	251	1.33	44	27	30	< 0.5	< 2	1.85
1431016039	206	Slight	52.5	9.48	79.1	2.97	26.69	0.55	0.2	< 0.5	68	455	< 1	12	3	55	0.65	4	29	44	< 0.5	< 2	2.44
1317022064	311	Slight	20.1	8.97	71.1	1.39	51.02	0.65	1.9	1.9	83	1450	1	11	239	497	1.21	24	25	33	< 0.5	< 2	2.55
1431016340	61	Slight	1.53	9.03	49.2	1.03	47.62	0.58	0.9	< 0.5	191	387	2	22	6	55	0.89	5	27	31	< 0.5	< 2	1.59
GC22-0492-009FD	220	Slight	-1.23	9.06	31.5	0.962	32.69	0.46	0.4	3.7	26	1130	< 1	6	15	927	1.28	32	31	34	< 0.5	< 2	1.61
GC22-0432-011	154	Slight	-1.44	9.08	40.4	0.965	41.80	0.49	0.3	0.7	37	881	1	37	18	203	1.17	33	30	42	< 0.5	< 2	1.69
GC22-0431-009FD	873	Slight	-13.0	8.98	22.9	0.638	35.95	0.34	0.5	< 0.5	32	716	< 1	7	37	154	0.77	87	28	28	< 0.5	< 2	0.99
GC22-0443-009FD	595	Slight	-43.0	8.80	37.9	0.469	80.88	0.77	20.5	3.5	18	462	< 1	10	158	1120	0.49	54	26	22	< 0.5	3	1.95
GC22-0560-004	138	Slight	-11.5	9.06	50.4	0.814	61.88	0.71	2.6	3.1	59	1590	1	7	920	1250	0.30	171	24	28	< 0.5	< 2	1.87
GC22-0569-009	123	Slight	32.5	8.84	89.2	1.57	56.72	0.70	1.0	1.4	32	2120	2	7	202	500	0.40	178	28	32	< 0.5	< 2	2.37
F012543	1050																						
1319064064	1070	None	-39.7	8.95	8.19	0.171	47.92	0.92	1.5	16.3	107	786	< 1	5	39	3920	0.96	77	32	33	< 0.5	< 2	0.56
1319064003	201	Slight	-18.1	9.07	23.4	0.564	41.55	0.47	1.0	4.4	57	564	< 1	8	109	951	0.77	120	29	17	< 0.5	< 2	0.95
1319067815	85	Slight	9.60	9.03	44.3	1.28	34.70	0.42	0.6	< 0.5	46	850	1	6	47	115	1.54	34	29	27	< 0.5	< 2	1.82
1319067808	185	Slight	3.07	9.05	39.6	1.08	36.55	0.45	0.6	1.5	15	896	< 1	5	122	484	2.11	35	31	28	< 0.5	< 2	1.87
1319067604	304	Slight	7.07	8.90	49.8	1.17	42.74	0.50	0.9	< 0.5	25	1120	< 1	8	87	159	1.11	90	26	23	< 0.5	< 2	1.80
GC22-0632-011	421	Slight	-48.7	8.27	65.0	0.572	113.68	2.39	0.7	< 0.5	63	1230	6	46	< 2	169	2.20	8	21	26	< 0.5	5	2.05
1319067803	182	Slight	1.95	8.98	33.1	1.06	31.14	0.57	0.8	1.3	28	771	< 1	8	97	409	2.14	37	25	28	< 0.5	< 2	1.58
1319067625	92	Slight	10.5	9.17	32.1	1.48	21.67	0.44	0.2	< 0.5	28	734	< 1	11	13	115	2.77	27	27	31	< 0.5	< 2	1.58
1319067694	180	Slight	18.2	9.29	39.1	1.88	20.82	0.39	0.8	< 0.5	20	561	3	7	28	136	2.01	25	27	47	< 0.5	< 2	1.88
GC22-0643-004	55	None	-119	8.32	20.6	0.148	139.28	1.83	0.7	0.8	137	1750	2	40	9	414	3.77	17	22	19	< 0.5	4	0.59
GC22-0722-011	48	Slight	1.37	8.64	80.8	1.02	79.46	1.46	< 0.2	< 0.5	81	1910	1	34	< 2	257	3.26	13	26	17	< 0.5	< 2	3.41
GC22-0728-004	70	None	-101	7.89	9.25	0.0838	110.38	1.35	0.4	< 0.5	95	2280	< 1	60	< 2	390	3.90	3	18	13	< 0.5	4	0.39
GC22-0549-009FD	365	Slight	-44.6	8.05	120	0.729	164.74	6.86	2.1	< 0.5	80	1830	< 1	68	5	222	3.17	46	19	17	< 0.5	4	3.09
GC22-0510-009FD	358	Slight	20.5	8.61	80.7	1.34	60.20	1.21	4.7	2.7	57	2240	< 1	38	< 2	1020	2.48	26	20	42	< 0.5	3	2.45
STUG22-0175	1480	None	-56.5	9.00	7.50	0.117	63.98	0.63	10.4	4.9	100	224	1	8	455	1320	0.55	81	20	29	< 0.5	< 2	0.14
GC22-0363-003	76	Slight	54.5	9.00	77.6	3.35	23.14	0.70	1.6	1.2	79	1120	< 1	39	2	669	2.00	20	20	47	< 0.5	< 2	2.53
1319068923	41	Slight	15.2	9.21	29.2	2.09	13.96	0.37	< 0.2	< 0.5	121	557	< 1	34	< 2	83	4.10	4	28	24	< 0.5	< 2	2.77
GC22-0634-010	455	None	-5.97	9.18	45.8	0.885	51.74	0.51	4.6	0.6	62	732	3	11	79	184	1.07	35	22	31	< 0.5	< 2	1.41
1319067822	676	Slight	15.3	9.14	46.4	1.49	31.13	0.49	1.0	0.6	28	869	< 1	7	91	223	1.71	81	20	29	< 0.5	< 2	1.97
GC22-0725-001	139	Slight	-22.9	9.14	63.3	0.734	86.28	1.28	0.3	< 0.5	68	1320	5	46	< 2	241	2.96	5	19	25	< 0.5	4	1.60
GC22-0726-010	309	Slight	-32.3	8.73	74.5	0.698	106.78	1.52	0.9	11.0	307	2000	4	41	< 2	521	2.68	6	17	20	< 0.5	< 2	2.24
1319067629	120	Slight	89.9	8.51	100	9.73	10.30	0.79	0.3	2.2	91	1160	< 1	40	3	554	2.88	23	23	64	< 0.5	< 2	3.73
GC22-0648-013	395	Slight	14.7	9.17	69.5	1.27	54.81	0.63	3.2	2.5	24	809	1	10	63	529	0.95	18	20	33	< 0.5	< 2	1.72
F012548	1100																						
1319063228	160	Slight	27.7	9.26	36.2	4.25	8.53	0.32	1.4	< 0.5	68	608	< 1	18	6	105	1.19	5	28	54	< 0.5	< 2	1.44
1319063189	57	Slight	16.5	9.40	38.4	1.75	21.94	0.41	0.7	< 0.5	24	678	1	17	7	172	1.63	11	26	41	< 0.5	< 2	1.95
GC22-0610-001	205	Slight	23.6	8.79	72.6	1.48	48.92	0.52	2.5	< 0.5	35	818	< 1	10	19	62	1.11	20	20	23	< 0.5	< 2	1.99
1317023001	252	Slight	-50.5	9.10	16.9	0.251	67.35	0.73	1.0	1.5	65	616	1	11	24	378	1.19	97	22	25	< 0.5	< 2	0.68
GC22-0613-014	575	None	2.34	8.52	42.2	1.06	39.87	0.42	5.0	1.5	26	865	< 1	9	18	316	0.69	29	21	25	< 0.5	< 2	1.33
1317023009	308	Slight	-23.2	8.82	35.0	0.602	58.19	0.58	0.7	0.6	84	842	3	9	13	161	1.06	107	23	24	< 0.5	< 2	1.47
GC22-0628-011	1350	None	-40.5	8.64	26.1	0.392	66.65	0.48	5.5	0.9	46	501	< 1	13	42	240	0.53	36	21	22	< 0.5	2	0.72
1317023087	760	Slight	-36.7	8.36	7.11	0.162	43.83	0.52	0.7	< 0.5	26	636	1	10	28	146	1.47	63	21	33	< 0.5	< 2	0.31

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1317023063	840	Slight	-25.0	8.75	15.2	0.378	40.26	0.50	0.7	0.8	84	885	< 1	11	15	273	1.78	70	19	26	< 0.5	< 2	0.58
1319063419	50	Slight	-9.93	8.58	54.8	0.847	64.69	1.45	0.7	1.0	147	1170	2	50	6	354	3.12	14	24	31	< 0.5	4	2.98
GC22-0604-004	215	Slight	-5.17	8.85	38.6	0.882	43.77	0.43	1.5	1.0	28	642	< 1	13	32	221	0.94	33	23	23	< 0.5	< 2	1.28
GC22-0617-002	79	Slight	-28.0	8.68	19.7	0.412	47.65	0.60	0.5	< 0.5	61	465	< 1	25	8	150	1.46	12	27	30	< 0.5	< 2	1.00
1319064462	76	Slight	-4.38	9.04	24.2	0.847	28.61	0.39	0.4	< 0.5	30	686	< 1	6	47	142	2.19	30	23	21	< 0.5	< 2	1.51
GC22-0616-009	> 5000	None	-23.8	9.07	31.2	0.567	54.99	0.50	7.6	1.0	44	561	< 1	10	34	249	0.68	42	17	24	< 0.5	< 2	0.94
GC22-0621-002	61	Slight	-11.1	8.73	19.5	0.638	30.54	0.38	0.4	< 0.5	56	444	< 1	22	8	139	1.39	7	24	38	< 0.5	< 2	1.13
1317023112	739	Slight	-24.2	8.88	8.73	0.265	32.94	0.33	0.6	0.7	10	705	< 1	10	40	205	1.55	46	19	22	< 0.5	< 2	0.58
GC22-0395-018	277	Moderate	-19.4	7.94	149	0.885	168.06	8.22	1.3	< 0.5	35	1970	2	56	5	124	2.11	35	17	< 10	< 0.5	5	4.00
GC22-0373-008	201	Slight	49.6	8.97	93.6	2.13	44.02	0.74	1.3	2.0	63	1270	< 1	17	< 2	414	0.82	27	15	37	< 0.5	< 2	2.55
GC22-0506-016	50	Slight	-41.6	8.16	107	0.721	149.09	2.76	0.6	0.7	120	1600	< 1	51	2	329	3.24	12	15	14	< 0.5	< 2	2.26
GC22-0363-008	10	Slight	81.7	8.76	102	4.94	20.74	0.90	< 0.2	< 0.5	109	1290	< 1	105	2	139	4.33	6	15	26	< 0.5	4	4.62
GC22-0361-020	22	Slight	5.90	8.44	83.6	1.08	77.66	2.08	< 0.2	< 0.5	20	778	5	23	3	76	1.06	14	16	20	< 0.5	< 2	2.34
GC22-0519-018	13	Slight	38.3	9.31	50.8	4.06	12.51	0.25	< 0.2	< 0.5	14	645	< 1	15	< 2	165	2.09	4	20	51	< 0.5	< 2	2.35
STUG22-0229	1760	None	-49.6	9.20	3.74	0.0702	53.35	0.38	9.2	2.1	90	108	< 1	7	264	554	0.49	55	19	23	< 0.5	< 2	0.22
GC22-0646-010	554	None	-198	6.34	4.75	0.0234	202.67	1.86	0.8	< 0.5	157	3350	3	48	< 2	401	2.24	15	16	< 10	< 0.5	2	0.25
GC22-0653-002	19	Slight	76.9	8.94	88.9	7.42	11.98	0.56	< 0.2	< 0.5	123	1190	< 1	109	< 2	152	4.73	6	15	< 10	< 0.5	2	2.02
1319068955	140	Slight	17.5	9.02	53.0	1.49	35.49	0.65	0.7	< 0.5	34	1080	< 1	16	35	146	1.56	33	21	39	< 0.5	< 2	2.15
GC22-0652-004	403	Slight	3.87	8.80	83.7	1.05	79.84	2.40	2.5	0.6	57	1650	1	40	3	201	1.41	24	18	20	< 0.5	2	2.40
GC22-0645-002	306	None	-205	7.24	7.49	0.0352	212.78	2.06	0.5	0.6	56	2500	< 1	63	3	550	2.62	26	15	< 10	< 0.5	< 2	0.25
GC22-0723-009	339	Slight	14.7	8.63	87.8	1.20	73.12	1.84	2.6	1.1	150	1210	1	34	3	425	1.40	31	18	23	< 0.5	2	2.23
GC22-0644-002	304	Slight	-78.1	8.47	57.0	0.422	135.10	2.84	0.5	< 0.5	16	2140	< 1	58	2	279	2.34	19	16	11	< 0.5	3	1.33
GC22-0647-012	271	None	8.45	8.63	62.9	1.16	54.42	0.86	0.4	< 0.5	116	1080	2	27	< 2	186	1.43	15	17	32	< 0.5	< 2	1.64
GC22-0724-012	888	Slight	-39.8	8.02	80.4	0.669	120.15	3.77	5.4	1.7	372	2690	< 1	42	< 2	625	2.95	34	16	< 10	< 0.5	2	1.29
GC22-0650-002	600	Slight	-90.6	8.20	93.8	0.509	184.46	4.95	2.8	< 0.5	32	2120	< 1	43	3	229	2.33	41	16	< 10	< 0.5	4	1.62
F012547	1220																						
1319065100	48	Slight	26.6	9.24	44.4	2.50	17.80	0.29	< 0.2	< 0.5	15	442	1	13	5	60	1.28	13	24	39	< 0.5	< 2	1.70
GC22-0750-002	222	Slight	-1.10	8.88	48.2	0.978	49.29	0.71	2.8	7.6	97	1280	< 1	6	658	1860	0.98	95	18	30	< 0.5	< 2	1.75
STUG22-0489	2120	None	-52.5	8.68	5.24	0.0907	57.77	0.42	10.2	2.3	81	99	1	8	302	598	0.60	66	21	21	< 0.5	< 2	0.10
1319065009	33	Slight	35.6	9.23	46.1	4.37	10.55	0.41	0.2	< 0.5	21	598	< 1	11	3	81	1.09	4	23	58	< 0.5	< 2	1.95
STUG22-0554	2230	None	-55.1	8.11	4.75	0.0793	59.84	0.47	11.7	2.4	81	148	< 1	8	362	629	0.77	77	20	20	< 0.5	< 2	0.20
GC22-0676-002	106	Slight	-24.6	8.86	36.4	0.597	61.06	0.87	0.5	3.2	33	1430	< 1	12	202	859	0.58	46	20	24	< 0.5	< 2	1.01
1432019046	245	Slight	7.18	8.56	91.5	1.09	84.31	1.30	1.1	< 0.5	70	1150	< 1	50	< 2	185	1.71	14	17	21	< 0.5	< 2	2.38
GC22-0689-005	575	Slight	-55.5	9.10	20.0	0.265	75.46	0.92	0.7	6.1	36	334	< 1	9	198	1700	0.62	33	27	14	< 0.5	< 2	1.12
GC22-0681-009FD	10	Slight	8.33	9.07	12.2	3.13	3.91	0.10	< 0.2	< 0.5	31	224	1	7	2	44	2.40	12	26	47	0.6	< 2	0.76
GC22-0684-013	299	Slight	4.32	9.15	33.2	1.15	28.90	0.37	0.6	0.7	35	982	1	9	279	292	0.69	289	25	42	< 0.5	< 2	1.26
GC22-0685-020	31	Slight	29.1	9.15	64.0	1.83	34.94	0.41	< 0.2	< 0.5	20	972	< 1	7	23	137	1.11	32	19	34	< 0.5	< 2	2.63
1432019289	105	Slight	35.2	8.91	73.5	1.92	38.22	0.58	0.5	< 0.5	19	934	< 1	24	3	157	1.74	163	16	35	< 0.5	< 2	2.68
1319065361	37	Slight	37.0	9.63	43.8	6.49	6.75	0.33	0.2	< 0.5	39	463	< 1	14	4	147	1.20	3	28	50	< 0.5	< 2	1.90
STUG22-0293	2770	Slight	-42.6	9.04	6.49	0.132	49.06	0.38	13.0	2.9	87	155	< 1	9	378	767	0.80	64	19	25	< 0.5	< 2	0.22
GC22-0681-019	553	Slight	-44.3	8.67	37.6	0.459	81.90	1.20	1.0	2.5	39	626	< 1	9	13	606	0.54	192	19	21	< 0.5	< 2	1.26
GC22-0674-002	60	Slight	-28.1	8.99	5.73	0.170	33.79	0.42	0.3	1.5	16	672	< 1	8	167	405	2.23	36	22	33	< 0.5	< 2	1.66
F012546	1260																						
1319064109	1590	Slight	-14.5	8.90	33.0	0.695	47.47	0.71	1.9	13.1	77	1280	< 1	5	89	3220	0.84	75	21	27	< 0.5	< 2	1.28
GC22-0623-004	630	Slight	11.4	8.90	65.6	1.21	54.19	0.54	4.4	< 0.5	99	867	< 1	11	8	86	0.75	58	15	25	< 0.5	< 2	1.55
1319064449	167	Slight	-7.03	8.92	33.7	0.828	40.76	0.44	1.4	0.8	34	933	< 1	8	151	285	1.23	60	22	20	< 0.5	< 2	1.50
GC22-0612-021	244	Slight	28.7	9.13	71.0	1.68	42.29	0.62	2.2	2.5	40	1100	< 1	8	65	597	0.88	36	21	26	< 0.5	< 2	1.75

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1319064071	2300	None	-36.6	8.69	13.2	0.265	49.88	1.10	2.8	15.0	160	1150	< 1	7	88	3890	1.05	62	26	16	< 0.5	< 2	0.48
GC22-0626-006	197	Slight	53.2	9.50	90.9	2.42	37.62	0.48	3.3	1.3	50	1310	1	6	183	430	0.91	51	16	26	< 0.5	< 2	2.08
GC22-0594-011	358	Slight	22.8	9.16	67.2	1.51	44.36	0.64	2.7	< 0.5	28	733	1	9	26	145	1.01	41	15	32	< 0.5	< 2	1.89
GC22-0609-001	381	Slight	-14.1	8.76	34.9	0.713	49.00	0.44	1.6	0.6	22	674	< 1	10	55	179	0.99	25	23	18	< 0.5	< 2	1.18
1319064408	501	Slight	-1.74	9.03	34.1	0.952	35.89	0.77	0.8	7.6	57	948	< 1	9	30	1840	1.61	42	23	25	< 0.5	< 2	1.57
GC22-0630-012	75	Slight	50.6	9.22	76.2	2.98	25.55	0.39	0.4	< 0.5	22	868	< 1	9	15	70	0.67	29	15	42	< 0.5	< 2	2.15
GC22-0641-004	498	None	-6.92	8.79	44.1	0.864	51.05	0.43	2.0	< 0.5	8	644	< 1	10	25	70	0.90	9	21	22	< 0.5	< 2	1.15
1317023146	161	Slight	-11.5	8.68	40.1	0.776	51.62	0.51	0.6	2.5	41	792	< 1	9	65	556	2.33	38	19	23	< 0.5	< 2	2.07
GC22-0627-002	103	Slight	-21.9	8.89	17.9	0.450	39.83	0.45	0.5	0.6	64	517	< 1	20	8	201	1.63	10	24	33	< 0.5	< 2	1.23
1319064031	881	None	-43.7	8.61	9.23	0.174	52.98	0.94	1.0	15.3	79	691	< 1	6	61	3650	1.17	290	22	25	< 0.5	< 2	0.31
GC22-0649-007	754	Slight	25.2	8.63	72.3	1.53	47.12	0.58	5.7	1.8	44	860	1	11	20	359	0.83	34	17	31	< 0.5	< 2	1.61
1317023131	585	Slight	-22.7	8.62	28.9	0.560	51.63	0.76	1.4	10.0	95	677	< 1	11	52	1940	2.05	51	19	20	< 0.5	< 2	1.58
1319064150	304	Slight	6.19	9.10	39.9	1.18	33.76	0.44	0.9	< 0.5	30	942	< 1	6	45	105	1.28	48	22	27	< 0.5	< 2	1.53
1319064022	483	Slight	-14.3	8.80	21.0	0.594	35.28	0.66	1.4	8.7	60	708	< 1	6	157	1990	0.87	112	20	34	< 0.5	< 2	0.69
1319064451	166	Slight	-8.20	9.04	41.4	0.835	49.56	0.53	0.9	< 0.5	25	1040	< 1	5	49	96	1.27	46	22	20	< 0.5	< 2	1.57
GC22-0618-007	48	Slight	49.5	9.09	78.7	2.69	29.22	0.40	1.3	< 0.5	10	1160	< 1	10	10	90	1.52	57	22	23	< 0.5	< 2	2.27
GC22-0633-003	815	Slight	-3.18	9.13	54.8	0.945	57.97	0.58	4.4	< 0.5	22	899	1	6	17	171	1.24	31	16	23	< 0.5	< 2	1.24
GC22-0635-011	98	Slight	51.1	9.25	83.2	2.59	32.09	0.57	1.5	< 0.5	25	614	< 1	10	15	77	1.18	38	17	38	< 0.5	< 2	3.07
GC22-0392-004	149	Slight	41.4	8.65	95.0	1.77	53.60	1.10	0.5	< 0.5	33	1340	< 1	24	3	162	1.91	19	12	35	< 0.5	< 2	2.81
GC22-0612-014	435	Slight	20.9	9.01	73.7	1.39	52.81	0.54	3.3	0.7	39	1100	1	10	18	226	0.95	40	17	25	< 0.5	< 2	1.71
F012545	1080																						
1319065169	15	Slight	67.4	9.43	67.5	432	< 0.31	0.54	< 0.2	< 0.5	23	479	1	15	< 2	66	1.26	2	23	53	< 0.5	< 2	1.90
GC22-0694-006	161	Slight	-51.2	8.24	60.4	0.541	111.53	1.44	1.2	16.3	84	362	< 1	20	21	3900	0.74	125	17	14	< 0.5	< 2	0.82
STUG22-1161	2030	None	-45.7	8.82	10.2	0.183	55.95	0.61	11.5	3.0	84	126	< 1	8	252	806	0.89	61	22	15	< 0.5	< 2	0.25
1319071045	1500	Slight	1.01	9.08	48.6	1.02	47.57	0.82	1.7	8.9	86	1200	< 1	5	104	2060	0.73	169	23	30	< 0.5	< 2	1.34
1319071054	1790	Slight	33.9	8.96	75.2	1.82	41.29	0.50	0.7	0.8	23	1620	1	6	100	253	0.49	59	19	20	< 0.5	< 2	2.15
1319069017	21	Slight	24.9	9.38	36.5	3.17	11.52	0.34	< 0.2	0.7	42	617	1	22	5	202	1.38	< 2	28	65	< 0.5	< 2	1.47
1319065310	45	Slight	40.8	9.39	49.1	5.92	8.29	0.35	< 0.2	< 0.5	34	399	< 1	9	3	108	1.33	3	25	45	< 0.5	< 2	1.42
1319065051	50	Slight	23.4	9.18	42.1	2.25	18.68	0.48	0.3	2.6	53	475	< 1	9	3	648	1.14	12	23	46	< 0.5	< 2	1.54
1319065066	16	Slight	37.8	9.52	41.4	11.5	3.60	0.41	< 0.2	< 0.5	19	500	1	8	4	127	1.22	4	25	62	< 0.5	< 2	1.54
1319065349	47	Slight	19.4	9.38	38.5	2.02	19.09	0.53	0.3	1.1	32	480	1	10	3	304	1.26	12	25	72	< 0.5	< 2	1.32
1319066056	36	Slight	37.7	9.48	45.4	5.90	7.70	0.33	< 0.2	< 0.5	10	710	< 1	12	7	88	1.22	5	21	68	< 0.5	< 2	1.82
1319065370	18	Slight	49.3	9.50	55.3	9.23	6.00	0.41	< 0.2	< 0.5	12	444	1	11	3	37	1.49	2	22	44	< 0.5	< 2	2.17
1319070189	111	Slight	35.3	9.08	54.9	2.80	19.61	0.57	0.8	3.5	28	957	< 1	11	6	828	1.27	9	25	66	< 0.5	< 2	2.11
1319065328	149	Slight	23.7	9.11	42.4	2.27	18.73	0.52	0.4	1.4	74	658	2	8	19	441	1.51	14	23	61	< 0.5	< 2	1.64
GC22-0690-001	392	Slight	-15.3	9.14	17.7	0.537	32.95	0.56	0.8	2.0	32	1130	1	14	262	547	0.53	72	23	28	< 0.5	< 2	0.95
1319066013	28	Slight	101	8.95	111	11.4	9.72	1.01	0.2	< 0.5	88	1030	3	32	5	137	3.29	5	22	41	< 0.5	< 2	3.93
1319065030	34	Slight	15.0	9.07	31.4	1.92	16.38	0.43	< 0.2	< 0.5	18	419	< 1	9	3	65	1.47	5	24	57	< 0.5	< 2	1.28
F012559	1220																						
GC22-0401-010	593	Slight	-30.4	8.17	77.3	0.718	107.73	3.17	4.1	2.7	263	2810	< 1	98	< 2	882	3.27	22	14	15	< 0.5	< 2	1.41
1431016205	149	Slight	-0.296	9.05	44.9	0.993	45.20	0.69	0.9	0.5	60	568	2	36	14	164	1.69	10	23	32	< 0.5	< 2	1.67
STUG22-0343	4540	None	-59.5	8.68	10.2	0.146	69.75	0.53	20.5	3.6	216	243	2	7	500	929	0.65	106	19	11	< 0.5	< 2	0.10
GC22-0394-005	17	Slight	43.1	8.65	63.6	3.11	20.49	0.63	0.3	< 0.5	94	1400	< 1	126	< 2	294	4.34	9	14	13	< 0.5	4	3.81
GC22-0402-005	89	Slight	82.6	8.85	110	4.03	27.24	1.07	0.4	0.5	111	1450	< 1	108	< 2	334	3.33	20	12	12	< 0.5	5	3.70
GC22-0663-021	70	Slight	-39.7	8.44	110	0.734	149.36	2.19	0.7	< 0.5	89	1300	< 1	27	4	197	2.28	12	14	11	< 0.5	3	2.67
GC22-0403-019	82	Slight	24.8	8.56	108	1.30	83.48	1.82	0.5	2.1	115	1870	1	78	< 2	1520	3.00	15	18	27	< 0.5	4	3.39
GC22-0655-004	210	None	-140	8.32	8.47	0.0571	148.28	1.99	< 0.2	< 0.5	31	2150	1	46	< 2	302	2.96	17	15	< 10	< 0.5	5	0.36
GC22-0460-021	225	None	-119	7.59	6.97	0.0552	126.24	0.94	0.7	< 0.5	28	344	< 1	20	9	85	2.13	90	18	13	< 0.5	4	0.45
GC22-5046-024	149	None	-84.6	7.41	6.97	0.0761	91.58	0.69	0.3	< 0.5	17	385	< 1	7	4	75	2.39	19	22	19	< 0.5	3	1.13

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0402-003	570	Slight	6.82	8.47	71.1	1.11	64.27	1.69	4.7	9.9	293	2220	< 1	100	< 2	2460	3.82	26	18	15	< 0.5	< 2	2.25
GC22-0377-002	1510	Slight	-59.2	8.07	14.7	0.199	73.89	2.74	8.4	10.5	288	4480	< 1	113	3	3140	3.63	42	18	14	< 0.5	3	0.33
GC22-0415-012	34	Slight	-164	7.56	77.4	0.321	241.01	4.96	2.2	< 0.5	119	1860	< 1	56	3	199	1.52	32	15	< 10	< 0.5	5	1.75
GC22-0378-011	677	Slight	-65.7	7.92	73.7	0.528	139.40	2.69	8.8	12.4	420	2800	< 1	36	< 2	3290	3.85	51	15	15	< 0.5	< 2	1.37
GC22-0416-012	72	Slight	16.5	8.77	92.4	1.22	75.88	1.05	0.6	< 0.5	45	1370	4	26	3	167	1.67	31	14	23	< 0.5	< 2	2.17
GC22-0480-020	79	Slight	21.8	8.99	36.2	2.51	14.39	0.23	0.6	< 0.5	203	445	3	21	3	45	4.92	3	20	31	< 0.5	< 2	3.02
STUG22-0066	1700	None	-50.4	8.71	6.97	0.121	57.40	0.41	8.4	2.0	63	177	< 1	8	180	545	0.65	53	17	16	< 0.5	< 2	0.12
GC22-5068-021	145	None	-67.2	7.21	4.24	0.0593	71.45	1.31	0.6	17.5	120	800	1	12	5	4740	1.97	23	19	19	< 0.5	< 2	0.46
STUG22-0069	4670	None	-58.3	8.58	3.74	0.0604	62.00	0.38	16.0	1.0	161	114	< 1	10	248	267	0.56	75	17	18	< 0.5	< 2	0.11
GC22-0477-015	142	Slight	-62.5	7.69	11.7	0.158	74.19	0.61	0.3	< 0.5	10	493	< 1	7	4	58	2.81	37	19	24	< 0.5	< 2	1.33
GC22-0416-004	234	None	-219	6.80	8.99	0.0394	228.29	2.48	1.3	3.3	183	2740	< 1	50	< 2	993	3.53	35	15	< 10	< 0.5	< 2	0.34
GC22-0402-004	1010	Slight	46.2	8.63	90.9	2.03	44.74	1.38	6.1	1.5	129	1820	< 1	99	< 2	536	3.23	15	15	11	< 0.5	2	3.43
F012558	1100																						
GC22-0481-021	141	None	-73.4	6.53	4.49	0.0576	77.92	0.57	0.5	< 0.5	16	580	< 1	14	8	96	1.67	82	17	17	< 0.5	5	0.15
GC22-5072-016	57	Slight	-0.301	8.95	12.5	0.977	12.80	0.26	< 0.2	0.7	28	876	< 1	9	5	351	3.18	9	25	42	< 0.5	< 2	1.51
1432019150	377	Slight	-30.7	8.69	26.9	0.467	57.60	1.29	0.3	0.6	37	2000	< 1	25	3	215	1.33	15	16	20	< 0.5	< 2	0.79
1432019029	123	Slight	-167	6.64	11.2	0.0631	178.03	1.62	1.2	< 0.5	72	3240	2	41	4	505	1.46	24	16	< 10	< 0.5	5	0.29
1432019349	183	Slight	-44.9	8.16	114	0.717	158.51	7.32	0.5	< 0.5	61	1900	< 1	50	5	105	1.27	35	13	12	< 0.5	2	3.73
GC22-5077-023	106	Slight	-30.9	8.70	16.5	0.348	47.36	0.66	0.3	< 0.5	112	357	1	11	5	61	3.76	15	18	28	< 0.5	3	1.45
1432019161	79	Slight	-40.9	8.40	92.7	0.694	133.65	1.85	0.6	0.5	125	1580	< 1	34	3	233	2.09	16	16	13	< 0.5	7	1.85
GC22-0712-002	262	Slight	-33.6	8.72	12.2	0.267	45.87	0.48	< 0.2	1.4	30	759	< 1	8	43	654	2.24	22	21	31	< 0.5	< 2	0.88
1432019211	175	Moderate	14.6	8.58	114	1.15	98.89	1.80	0.2	6.9	91	2120	2	37	3	674	2.39	22	18	16	< 0.5	5	2.17
GC22-0661-013	316	Slight	-28.7	8.77	37.6	0.567	66.33	0.71	0.9	6.0	49	304	< 1	8	6	1420	0.37	88	18	24	< 0.5	< 2	1.39
STUG22-0445	3180	None	-53.7	9.27	6.99	0.115	60.70	0.46	15.5	1.8	97	126	< 1	6	371	488	0.60	68	19	17	< 0.5	< 2	0.08
1432019045	51	Slight	-113	7.82	67.2	0.374	180.00	2.86	0.2	< 0.5	106	1190	1	38	< 2	184	1.74	7	14	< 10	< 0.5	4	1.38
1432019182	149	Slight	109	8.63	143	4.24	33.66	1.00	0.5	< 0.5	46	1630	< 1	115	< 2	173	3.71	11	21	19	< 0.5	< 2	3.74
1432019201	35	Moderate	31.5	8.93	77.2	1.69	45.74	0.67	< 0.2	< 0.5	59	1200	< 1	16	< 2	178	2.24	5	16	27	< 0.5	< 2	2.54
GC22-0711-001	113	Slight	29.3	9.06	59.9	1.96	30.53	0.57	0.4	3.6	22	964	< 1	10	15	825	1.11	62	23	43	< 0.5	< 2	2.27
1432019282	283	Slight	-43.3	8.21	102	0.702	145.25	4.79	1.0	< 0.5	27	1260	< 1	41	4	159	2.36	29	17	12	< 0.5	2	1.99
1432019302	190	Slight	-1.64	8.84	90.9	0.982	92.56	2.54	0.7	2.2	97	1290	2	24	4	330	1.07	18	18	18	< 0.5	< 2	2.39
1432019125	106	None	-32.8	8.67	18.7	0.364	51.55	0.92	0.6	1.0	33	2110	< 1	21	3	224	1.53	6	17	29	< 0.5	< 2	0.58
1431016331	210	Slight	-40.7	8.46	71.0	0.635	111.69	2.18	0.6	< 0.5	53	739	2	28	4	33	0.67	8	16	13	< 0.5	< 2	1.76
1432019069	205	Slight	44.1	9.19	86.1	2.05	41.99	0.74	0.8	1.4	45	1070	1	18	< 2	298	0.80	20	16	35	< 0.5	< 2	2.37
GC22-5090-016	7	Slight	15.7	8.99	16.7	17.7	0.94	0.14	< 0.2	< 0.5	99	503	< 1	49	< 2	45	4.56	< 2	22	< 10	< 0.5	3	2.84
1432019234	81	Slight	-61.5	8.32	89.7	0.593	151.26	2.25	0.3	0.7	114	1800	< 1	36	3	296	2.44	20	13	14	< 0.5	4	1.90
GC22-0679-011	37	Slight	-14.8	8.78	20.2	0.577	35.07	0.35	< 0.2	0.6	18	529	< 1	11	4	260	2.23	44	20	37	< 0.5	< 2	1.21
F012557	> 5000																						
GC22-0539-013	521	Slight	6.10	8.26	87.1	1.08	81.04	1.36	4.0	1.0	66	2490	< 1	32	6	468	2.98	26	16	33	< 0.5	< 2	2.09
GC22-0571-013	91	Slight	44.5	9.06	76.2	2.40	31.73	0.47	< 0.2	< 0.5	20	721	< 1	18	4	98	1.95	9	17	32	< 0.5	< 2	2.68
GC22-2101-013	353	Slight	-18.4	8.99	12.5	0.405	30.84	0.35	0.8	< 0.5	524	234	< 1	4	< 2	32	2.62	6	20	31	< 0.5	3	1.34
GC22-0595-004	427	Slight	-43.0	8.34	6.73	0.135	49.78	0.39	0.8	< 0.5	357	231	< 1	3	< 2	23	1.94	8	18	26	< 0.5	7	0.76
1319063113	17	Slight	34.7	9.23	37.0	16.1	2.30	0.30	< 0.2	< 0.5	69	607	< 1	340	13	116	2.73	6	23	49	< 0.5	< 2	1.68
1319063081	153	Slight	4.01	9.00	48.0	1.09	43.95	0.48	0.7	0.5	20	869	< 1	6	96	216	1.09	57	19	31	< 0.5	< 2	1.86
GC22-0563-001	163	Slight	-0.155	9.18	52.0	0.997	52.13	0.42	1.3	< 0.5	16	608	< 1	11	23	90	1.03	16	18	22	< 0.5	< 2	1.33
GC22-0599-001	324	Slight	5.23	9.22	58.7	1.10	53.48	0.41	3.6	< 0.5	7	891	< 1	9	24	54	1.12	24	19	21	< 0.5	< 2	1.50
GC22-0592-005	141	Slight	16.8	9.11	74.8	1.29	57.99	0.59	2.8	< 0.5	65	787	< 1	9	10	52	1.08	33	19	27	< 0.5	< 2	1.87
1319063405	78	Slight	13.0	9.04	42.6	1.44	29.61	0.48	1.1	0.5	41	656	1	17	3	202	1.68	9	23	45	< 0.5	< 2	1.88

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1319063082	131	Slight	15.0	8.85	56.3	1.36	41.31	0.52	1.1	1.6	25	1080	< 1	8	172	576	1.15	68	20	23	< 0.5	< 2	2.09
GC22-0614-001	132	None	-31.3	8.60	18.5	0.371	49.78	0.73	1.7	< 0.5	20	2320	< 1	12	8	165	1.12	41	17	23	< 0.5	< 2	0.63
1319063100	225	Slight	-8.00	8.80	47.3	0.855	55.28	0.59	10.1	2.3	29	724	< 1	7	492	760	0.67	30	20	25	< 0.5	< 2	1.73
GC22-0393-018	603	Slight	15.3	8.81	64.7	1.31	49.47	0.64	2.3	3.6	56	960	< 1	12	2	700	0.97	19	15	27	< 0.5	< 2	1.98
GC22-0566-006	> 5000	Slight	-39.9	8.32	22.2	0.358	62.09	0.58	18.7	< 0.5	467	324	13	9	3	44	2.83	15	20	25	< 0.5	< 2	1.36
GC22-0597-013	333	Slight	28.1	9.19	75.3	1.60	47.18	0.40	3.2	0.7	35	1240	< 1	8	52	209	0.69	38	20	19	< 0.5	< 2	1.83
1319063084	182	Slight	10.6	9.02	50.6	1.26	39.99	0.49	0.9	0.8	35	945	< 1	7	76	237	1.78	38	17	32	< 0.5	< 2	2.12
1319064423	109	Slight	-9.37	9.06	25.0	0.727	34.33	0.34	0.5	< 0.5	27	694	< 1	6	45	147	1.85	38	20	24	< 0.5	< 2	1.24
1317023037	596	Slight	-21.2	8.64	11.0	0.341	32.23	0.34	0.4	< 0.5	28	627	1	8	16	176	1.31	50	24	30	< 0.5	< 2	0.36
GC22-0598-001	286	Slight	30.9	8.98	89.5	1.53	58.60	0.67	3.8	1.3	52	836	< 1	11	11	296	0.74	32	17	20	< 0.5	< 2	1.89
GC22-0606-001	86	Slight	28.4	8.77	62.4	1.84	34.00	0.55	0.5	< 0.5	42	887	< 1	22	3	133	1.69	54	20	37	< 0.5	< 2	2.45
GC22-0615-001	259	Slight	-4.13	8.91	54.4	0.929	58.52	0.52	2.7	< 0.5	12	709	1	9	11	76	0.98	13	18	24	< 0.5	< 2	1.39
1319063187	109	Slight	-4.16	8.90	40.6	0.907	44.77	0.74	1.2	< 0.5	86	816	< 1	79	7	130	3.16	8	24	41	< 0.5	< 2	2.22
GC22-0600-002	59	None	-4.58	8.01	55.3	0.923	59.86	0.46	1.2	< 0.5	22	72	2	12	6	80	0.85	51	15	19	< 0.5	< 2	0.20
1319063136	472	Slight	-6.69	9.17	21.9	0.766	28.63	0.48	0.4	0.6	45	707	1	7	42	232	1.59	36	24	38	< 0.5	< 2	1.33
F012554	1200																						
F012542	1200																						

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0435-009	66	514	4.96	< 10	< 1	0.20	15	2.91	0.035	0.108	1.89	5	6	41	0.16	1	< 2	< 10	63	< 10	3	18	0.56
1317022123	9	6	2.23	< 10	< 1	0.16	14	0.71	0.203	0.071	1.86	2	< 1	73	0.04	< 1	< 2	< 10	5	< 10	2	19	0.42
GC22-0447-003	9	6	1.88	< 10	< 1	0.20	15	0.62	0.033	0.066	1.72	< 2	< 1	29	0.03	3	< 2	< 10	5	< 10	2	26	0.28
GC22-0557-009	7	6	1.89	< 10	< 1	0.17	15	1.02	0.022	0.060	1.42	< 2	< 1	22	< 0.01	1	< 2	< 10	6	< 10	2	22	0.58
1317022077	9	7	2.09	< 10	< 1	0.19	14	0.88	0.134	0.070	1.71	3	< 1	49	0.05	2	< 2	< 10	7	< 10	2	17	0.42
GC22-0509-009	8	5	2.12	< 10	< 1	0.17	16	0.44	0.020	0.064	2.05	< 2	< 1	15	< 0.01	1	< 2	< 10	4	< 10	2	27	0.39
GC22-0552-010	7	6	2.18	< 10	< 1	0.16	15	0.88	0.113	0.063	1.72	2	< 1	51	< 0.01	< 1	< 2	< 10	8	< 10	3	25	0.24
GC22-0440-007	8	7	1.90	< 10	2	0.27	< 10	0.05	0.011	0.065	2.06	9	< 1	22	< 0.01	1	< 2	< 10	3	< 10	2	15	0.29
GC22-0546-011	6	5	1.81	< 10	< 1	0.17	14	0.91	0.017	0.058	1.15	3	< 1	25	< 0.01	< 1	< 2	< 10	5	< 10	2	14	0.87
GC22-0556-004	7	4	2.11	< 10	< 1	0.18	< 10	0.59	0.009	0.064	2.06	3	< 1	31	< 0.01	3	< 2	< 10	2	< 10	2	14	1.02
1317022089	9	6	2.32	< 10	< 1	0.18	14	0.68	0.040	0.071	1.97	3	< 1	31	0.03	3	< 2	< 10	5	< 10	3	21	0.56
GC22-0494-010	9	7	1.84	< 10	< 1	0.25	17	0.61	0.102	0.067	1.56	< 2	< 1	66	0.02	3	< 2	< 10	6	< 10	3	20	0.31
1319062073	12	4	2.01	< 10	< 1	0.19	14	0.17	0.011	0.067	1.89	4	< 1	17	< 0.01	< 1	< 2	< 10	3	< 10	2	19	0.35
1317022026	9	5	2.18	< 10	< 1	0.14	16	0.43	0.040	0.074	2.10	2	< 1	32	< 0.01	3	< 2	< 10	5	< 10	2	17	0.24
1319061016	11	53	1.17	< 10	< 1	0.16	17	0.50	0.027	0.089	0.64	< 2	1	41	0.03	< 1	< 2	< 10	10	< 10	2	8	0.35
GC22-0513-002	7	6	1.94	< 10	< 1	0.14	16	1.23	0.133	0.059	1.08	< 2	< 1	75	< 0.01	2	< 2	< 10	7	< 10	2	18	0.17
1319061041	11	88	1.11	< 10	< 1	0.23	19	0.45	0.023	0.102	0.47	< 2	2	37	0.09	< 1	< 2	< 10	14	< 10	2	13	0.41
1319062043	5	5	1.44	< 10	< 1	0.21	17	0.09	0.020	0.074	1.49	6	< 1	19	< 0.01	2	< 2	< 10	4	< 10	2	12	0.62
1317022029	9	6	2.25	< 10	< 1	0.16	14	0.89	0.106	0.069	2.08	2	< 1	87	0.02	< 1	< 2	< 10	6	< 10	3	17	0.34
GC22-0512-001	7	4	2.04	< 10	< 1	0.16	14	0.94	0.016	0.059	1.60	3	< 1	22	< 0.01	< 1	< 2	< 10	5	< 10	2	16	0.76
GC22-0454-007	22	184	3.23	< 10	< 1	0.22	20	1.88	0.014	0.094	1.47	3	4	50	0.10	< 1	< 2	< 10	37	< 10	4	16	1.03
F011944																							
F011921																							
1319061317	10	13	1.28	< 10	< 1	0.20	< 10	0.34	0.078	0.051	0.41	< 2	2	21	0.04	3	< 2	< 10	16	< 10	2	12	0.10
1319061303	10	9	2.51	< 10	< 1	0.25	19	1.23	0.037	0.082	2.09	2	1	24	0.06	3	< 2	< 10	12	< 10	3	28	0.24
1319062450	32	82	4.98	< 10	< 1	0.04	< 10	2.31	0.312	0.036	0.18	4	10	68	0.39	< 1	< 2	< 10	152	< 10	6	6	0.15
GC22-0453-001	8	24	2.00	< 10	< 1	0.20	16	0.97	0.016	0.069	0.93	< 2	< 1	28	0.08	2	< 2	< 10	9	< 10	3	19	0.61
GC22-0508-009	8	14	1.80	< 10	< 1	0.23	16	0.80	0.042	0.068	1.41	< 2	< 1	26	< 0.01	4	< 2	< 10	6	< 10	3	19	0.52
1317022025	9	7	2.31	< 10	< 1	0.09	16	0.53	0.050	0.071	2.13	< 2	< 1	41	< 0.01	1	< 2	< 10	7	< 10	2	16	0.17
1319062433	8	3	1.96	< 10	< 1	0.19	17	0.76	0.034	0.066	1.59	2	< 1	23	< 0.01	2	< 2	< 10	4	< 10	2	13	0.60
1431014108	12	12	2.68	< 10	< 1	0.08	19	1.12	0.049	0.096	0.94	2	1	36	0.01	3	< 2	< 10	13	< 10	3	9	0.19
GC22-0372-004	33	81	8.08	< 10	2	0.09	< 10	2.57	0.011	0.076	0.89	4	8	6	0.05	6	< 2	< 10	82	< 10	10	9	0.03
GC22-0434-010	7	5	2.31	< 10	< 1	0.21	14	0.68	0.016	0.061	2.02	4	< 1	18	< 0.01	4	< 2	< 10	4	< 10	3	18	0.61
GC22-0499-009	8	6	2.05	< 10	< 1	0.17	17	0.36	0.030	0.067	1.92	4	< 1	21	< 0.01	2	< 2	< 10	4	< 10	2	24	0.10
GC22-0455-013	8	4	2.96	< 10	< 1	0.21	< 10	0.40	0.013	0.060	3.13	6	< 1	25	< 0.01	< 1	< 2	< 10	3	< 10	3	20	0.68
1319062417	8	4	2.04	< 10	< 1	0.22	< 10	0.37	0.014	0.062	2.04	5	< 1	22	< 0.01	< 1	< 2	< 10	3	< 10	2	14	0.84
GC22-0538-010	8	5	1.95	< 10	< 1	0.19	16	0.73	0.099	0.065	1.54	2	< 1	38	< 0.01	4	< 2	< 10	6	< 10	3	21	0.14
1319062048	8	3	1.97	< 10	< 1	0.23	13	0.03	0.009	0.063	2.18	4	< 1	113	< 0.01	< 1	< 2	< 10	2	< 10	3	19	0.60
F011917																							
F011926																							
1319060017	7	5	1.66	< 10	< 1	0.21	17	0.56	0.027	0.066	1.30	< 2	< 1	23	0.05	2	< 2	< 10	6	< 10	2	19	0.37
1313010004	16	89	4.55	< 10	< 1	0.10	13	1.97	0.183	0.087	3.12	4	3	128	0.01	5	< 2	< 10	39	< 10	5	22	0.60
1431015041	10	8	2.15	< 10	< 1	0.12	13	0.72	0.050	0.068	1.46	< 2	< 1	38	< 0.01	2	< 2	< 10	9	< 10	3	8	0.59
GC22-0580-014	10	5	2.09	< 10	< 1	0.18	25	0.85	0.022	0.084	1.07	2	< 1	16	< 0.01	1	< 2	< 10	8	< 10	3	11	0.57
1431015047	11	9	1.89	< 10	< 1	0.11	13	0.63	0.049	0.076	1.08	< 2	< 1	28	< 0.01	1	< 2	< 10	9	< 10	3	7	0.32
GC22-0579-011	7	4	2.18	< 10	< 1	0.20	< 10	0.20	0.009	0.062	2.28	3	< 1	27	< 0.01	< 1	< 2	< 10	2	< 10	2	14	0.77
1319060190	6	5	2.18	< 10	< 1	0.24	< 10	0.15	0.010	0.061	2.44	5	< 1	56	< 0.01	2	< 2	< 10	3	< 10	2	22	0.46
1319060292	13	4	2.04	< 10	< 1	0.20	21	0.88	0.017	0.091	1.54	5	< 1	34	< 0.01	4	< 2	< 10	7	< 10	3	15	0.36
1319060018	7	5	1.90	< 10	< 1	0.22	16	0.68	0.036	0.067	1.46	2	< 1	34	0.06	< 1	< 2	< 10	7	< 10	2	21	0.36
1319060169	8	4	2.08	< 10	< 1	0.20	18	0.67	0.020	0.070	1.62	3	< 1	18	< 0.01	2	< 2	< 10	7	< 10	3	19	0.31
GC22-0587-012	8	5	1.50	< 10	< 1	0.21	17	0.48	0.017	0.074	1.45	3	< 1	14	< 0.01	< 1	< 2	< 10	4	< 10	2	11	0.39

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1319060071	11	7	2.38	< 10	< 1	0.15	23	0.81	0.034	0.110	1.45	4	1	33	< 0.01	2	< 2	< 10	12	< 10	4	9	0.23
1431015117	12	16	2.45	< 10	< 1	0.14	14	0.86	0.057	0.078	0.68	2	2	62	0.05	< 1	< 2	< 10	22	< 10	4	11	0.84
1319060315	86	1230	4.98	< 10	< 1	0.12	< 10	4.63	0.037	0.055	0.88	9	3	25	0.08	< 1	< 2	< 10	59	< 10	2	6	0.33
1319060115	7	4	1.91	< 10	< 1	0.20	15	0.92	0.038	0.063	1.42	3	< 1	27	0.01	< 1	< 2	< 10	7	< 10	2	18	0.33
1319060086	10	8	2.48	< 10	< 1	0.15	22	0.89	0.033	0.078	1.28	4	1	30	0.02	4	< 2	< 10	12	< 10	3	18	0.27
GC22-0430-010	8	4	2.20	< 10	< 1	0.14	< 10	0.24	0.009	0.067	2.30	3	< 1	11	< 0.01	< 1	< 2	< 10	2	< 10	2	12	0.60
GC22-0441-002	8	5	2.82	< 10	< 1	0.20	18	0.20	0.013	0.076	3.11	3	< 1	13	< 0.01	< 1	< 2	< 10	3	< 10	2	11	0.45
GC22-0427-001	20	59	2.92	< 10	< 1	0.22	13	0.81	0.013	0.062	2.94	3	1	17	< 0.01	< 1	< 2	< 10	11	< 10	2	16	0.62
F011963																							
F011924																							
GC22-0436-008	7	5	1.86	< 10	< 1	0.17	13	0.44	0.011	0.065	1.79	3	< 1	11	< 0.01	< 1	< 2	< 10	2	< 10	2	10	0.56
GC22-0448-007	8	6	1.72	< 10	< 1	0.24	16	0.63	0.039	0.064	1.27	2	< 1	31	0.04	1	< 2	< 10	7	< 10	3	20	0.23
GC22-0666-015	7	7	2.95	< 10	< 1	0.09	13	1.10	0.059	0.059	1.67	2	< 1	62	0.02	3	< 2	< 10	11	< 10	4	13	0.12
GC22-0446-001	17	86	2.46	< 10	< 1	0.29	20	1.22	0.026	0.087	1.31	5	1	38	0.03	1	< 2	< 10	14	< 10	3	10	1.05
1319060236	9	4	2.54	< 10	< 1	0.20	16	0.60	0.015	0.065	2.39	5	< 1	18	< 0.01	< 1	< 2	< 10	4	< 10	2	18	0.45
1319060173	7	3	2.45	< 10	< 1	0.19	11	0.46	0.012	0.065	2.46	3	< 1	15	< 0.01	< 1	< 2	< 10	3	< 10	2	19	0.59
1319060078	7	3	1.98	< 10	< 1	0.20	< 10	0.47	0.014	0.070	1.88	5	< 1	29	< 0.01	< 1	< 2	< 10	3	< 10	2	14	0.94
1319060077	7	3	2.05	< 10	< 1	0.18	< 10	0.73	0.014	0.064	1.76	2	< 1	36	< 0.01	4	< 2	< 10	2	< 10	2	14	1.20
1431014033	21	13	4.49	< 10	< 1	0.11	16	0.98	0.055	0.109	3.46	< 2	2	41	< 0.01	2	< 2	< 10	21	< 10	5	16	0.21
1317021038	11	7	4.01	< 10	< 1	0.19	15	0.60	0.082	0.065	4.26	4	< 1	59	0.01	5	< 2	< 10	5	< 10	3	29	0.37
1317021023	9	4	2.19	< 10	< 1	0.18	15	0.20	0.079	0.075	2.24	< 2	< 1	69	< 0.01	3	< 2	< 10	4	< 10	3	18	0.20
1319060030	10	6	2.18	< 10	< 1	0.22	23	0.76	0.051	0.082	0.76	2	1	52	0.07	2	< 2	< 10	15	< 10	4	19	0.20
GC22-0444-011	453	1290	16.2	< 10	1	0.02	< 10	3.28	0.028	0.043	8.69	13	6	35	0.05	6	2	< 10	65	< 10	2	12	0.81
1431014025	31	62	5.49	< 10	< 1	0.08	13	2.30	0.046	0.083	1.17	4	4	32	0.02	< 1	< 2	< 10	64	< 10	4	10	0.30
GC22-0498-011	7	4	2.04	< 10	< 1	0.22	17	0.53	0.019	0.064	1.86	3	< 1	18	< 0.01	3	< 2	< 10	4	< 10	3	23	0.51
GC22-0449-004	8	8	1.11	< 10	< 1	0.24	12	0.05	0.012	0.060	1.13	6	< 1	39	< 0.01	< 1	< 2	< 10	2	< 10	2	9	0.69
1317021099	9	8	2.24	< 10	< 1	0.17	14	0.79	0.145	0.069	1.97	< 2	< 1	75	0.05	< 1	< 2	< 10	7	< 10	2	15	0.33
1431014079	21	12	4.92	< 10	< 1	0.06	18	1.35	0.043	0.103	4.35	3	2	37	< 0.01	< 1	< 2	< 10	19	< 10	6	17	0.48
1317021073	8	6	2.11	< 10	< 1	0.20	14	0.80	0.129	0.071	1.96	< 2	< 1	70	0.05	1	< 2	< 10	6	< 10	2	17	0.21
1431014146	18	13	4.01	< 10	< 1	0.10	18	1.35	0.063	0.091	2.44	2	2	75	< 0.01	< 1	< 2	< 10	18	< 10	4	16	1.06
1431014124	15	11	3.74	< 10	< 1	0.09	17	1.51	0.059	0.101	2.90	2	2	64	< 0.01	< 1	< 2	< 10	16	< 10	5	19	1.23
1431014114	17	11	4.17	< 10	< 1	0.09	18	1.43	0.052	0.104	3.32	3	2	57	< 0.01	2	< 2	< 10	16	< 10	5	17	0.93
1431014086	16	9	3.71	< 10	< 1	0.10	19	1.22	0.049	0.112	2.35	< 2	1	43	< 0.01	< 1	< 2	< 10	12	< 10	4	15	0.69
F011843																							
F011969																							
1319070108	8	10	2.24	< 10	< 1	0.29	17	0.64	0.120	0.076	0.36	< 2	2	111	0.10	3	< 2	< 10	21	< 10	4	15	0.51
GC22-0786-011	8	4	2.15	< 10	< 1	0.24	15	0.24	0.033	0.061	2.30	3	< 1	21	< 0.01	< 1	< 2	< 10	4	< 10	2	16	0.14
1319070095	19	24	4.59	< 10	< 1	0.28	19	0.85	0.071	0.112	1.26	< 2	5	41	0.19	< 1	< 2	< 10	80	< 10	7	22	0.70
GC22-0736-007	80	120	3.54	< 10	< 1	0.60	10	1.23	0.021	0.127	2.50	4	4	95	0.10	6	< 2	< 10	30	18	3	19	0.46
1319070043	6	6	1.90	< 10	< 1	0.17	14	0.53	0.048	0.071	0.26	< 2	< 1	33	0.01	2	< 2	< 10	11	< 10	3	11	0.60
1312002039	9	8	3.17	< 10	< 1	0.25	13	1.06	0.137	0.062	2.58	2	< 1	66	0.02	5	< 2	< 10	9	< 10	3	23	0.16
GC22-0698-002	7	4	1.61	< 10	< 1	0.23	15	0.55	0.053	0.061	1.43	3	< 1	32	< 0.01	3	< 2	< 10	4	< 10	2	14	0.42
GC22-0707-003	7	5	1.83	< 10	< 1	0.32	< 10	0.06	0.010	0.073	1.99	4	< 1	31	< 0.01	< 1	< 2	< 10	4	< 10	2	12	0.28
1319066084	15	20	3.13	< 10	< 1	0.31	17	1.10	0.091	0.090	0.67	3	4	75	0.11	< 1	< 2	< 10	47	< 10	5	16	0.69
GC22-0737-006	5	3	1.21	< 10	< 1	0.24	13	0.03	0.010	0.047	1.33	< 2	< 1	68	< 0.01	4	< 2	< 10	2	< 10	2	11	0.80
GC22-0864-004	8	7	2.14	< 10	< 1	0.28	< 10	0.19	0.008	0.067	2.13	5	< 1	60	< 0.01	< 1	< 2	< 10	3	< 10	2	14	0.41
GC22-0863-004	7	6	1.72	< 10	< 1	0.36	< 10	0.34	0.009	0.060	1.42	2	< 1	84	< 0.01	< 1	< 2	< 10	4	< 10	2	13	0.82
GC22-0719-012	9	4	1.94	< 10	< 1	0.25	12	0.19	0.018	0.070	2.17	< 2	< 1	16	< 0.01	1	< 2	< 10	3	< 10	2	16	0.27
1319066331	41	49	9.26	10	< 1	0.45	< 10	1.36	0.250	0.111	1.87	5	12	100	0.30	3	< 2	< 10	212	< 10	14	8	0.72
1319066070	9	14	2.14	< 10	< 1	0.21	15	0.77	0.059	0.070	0.45	3	2	42	0.05	< 1	< 2	< 10	19	< 10	4	13	0.75
GC22-0733-003	17	83	2.33	< 10	< 1	0.22	26	1.37	0.027	0.123	0.82	2	3	70	0.06	2	< 2	< 10	23	< 10	4	9	0.46

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1319066342	27	51	8.52	10	1	0.36	< 10	2.11	0.178	0.124	1.59	5	11	112	0.22	< 1	< 2	< 10	191	< 10	11	11	1.64
1319066110	8	11	2.14	< 10	< 1	0.21	14	0.64	0.045	0.068	0.45	2	1	43	0.04	< 1	< 2	< 10	14	< 10	4	14	0.71
1319070113	36	43	8.74	10	< 1	0.50	12	1.22	0.179	0.114	2.26	4	10	74	0.30	< 1	< 2	< 10	193	< 10	11	14	0.60
GC22-0745-014	9	7	1.92	< 10	< 1	0.19	14	0.52	0.058	0.062	1.59	< 2	< 1	39	0.03	2	< 2	< 10	6	< 10	2	20	0.34
1319070518	29	47	6.80	10	< 1	0.45	10	1.37	0.209	0.118	1.44	5	10	89	0.25	6	< 2	< 10	138	< 10	11	12	0.78
1319070188	16	17	3.46	< 10	< 1	0.62	28	1.41	0.099	0.131	0.87	< 2	3	231	0.16	3	< 2	< 10	54	< 10	6	17	0.95
1319066091	14	21	2.84	< 10	< 1	0.40	16	1.14	0.093	0.084	0.12	< 2	4	94	0.10	5	< 2	< 10	45	< 10	5	19	0.72
GC22-0866-002	10	6	1.35	< 10	< 1	0.29	< 10	0.04	0.010	0.056	1.47	9	< 1	66	< 0.01	< 1	< 2	< 10	3	< 10	2	15	0.31
1319066094	9	15	2.30	< 10	< 1	0.21	15	0.66	0.084	0.069	0.41	< 2	1	62	0.06	< 1	< 2	< 10	17	< 10	4	14	0.63
F012549																							
1431016137	11	27	3.45	< 10	< 1	0.09	< 10	1.26	0.074	0.084	2.43	3	2	76	< 0.01	3	< 2	< 10	16	< 10	3	11	1.02
GC22-0591-003	4	4	3.02	< 10	< 1	0.13	< 10	0.73	0.249	0.055	1.58	3	< 1	178	< 0.01	< 1	< 2	< 10	7	< 10	2	15	0.03
1431016027	13	10	2.98	< 10	< 1	0.09	11	0.99	0.051	0.094	2.26	2	1	66	< 0.01	1	< 2	< 10	13	< 10	3	11	1.04
GC22-0573-007	4	6	3.08	< 10	< 1	0.14	< 10	0.72	0.126	0.053	1.68	3	< 1	100	< 0.01	1	< 2	< 10	6	< 10	2	19	0.06
GC22-0511-020	11	17	2.88	< 10	< 1	0.16	11	1.45	0.042	0.109	1.57	2	< 1	53	< 0.01	2	< 2	< 10	10	< 10	4	9	1.59
GC22-2045-001	8	5	4.08	< 10	< 1	0.24	< 10	0.59	0.122	0.048	2.67	< 2	< 1	85	0.02	5	< 2	< 10	5	< 10	3	22	0.06
GC22-0518-014	13	13	3.52	< 10	< 1	0.14	13	1.39	0.057	0.081	1.82	< 2	3	41	< 0.01	< 1	< 2	< 10	31	< 10	4	10	1.21
GC22-0518-018	27	54	6.27	< 10	< 1	0.18	< 10	2.17	0.267	0.057	2.54	3	5	87	0.07	< 1	< 2	< 10	72	< 10	6	6	1.13
1431016157	12	18	2.67	< 10	< 1	0.11	12	0.80	0.060	0.066	1.36	2	2	38	0.04	2	< 2	< 10	18	< 10	3	10	0.48
1431017033	15	12	2.84	< 10	< 1	0.09	20	1.01	0.071	0.037	1.66	2	1	45	0.02	3	< 2	< 10	22	< 10	4	13	0.08
1431017077	19	15	4.51	< 10	< 1	0.09	13	1.07	0.043	0.099	2.32	2	3	21	< 0.01	3	< 2	< 10	24	< 10	6	12	0.19
GC22-0596-001	9	4	2.44	< 10	< 1	0.11	< 10	1.05	0.027	0.074	2.50	8	< 1	33	< 0.01	5	< 2	< 10	4	< 10	2	7	0.82
GC22-0576-002	6	5	2.89	< 10	< 1	0.13	< 10	0.76	0.231	0.058	1.31	2	< 1	171	0.02	< 1	< 2	< 10	6	< 10	2	13	0.03
GC22-0575-013	6	4	2.56	< 10	< 1	0.15	< 10	0.59	0.114	0.052	1.58	< 2	< 1	71	< 0.01	2	< 2	< 10	5	< 10	2	15	0.05
GC22-0517-007	37	51	10.2	10	2	0.09	< 10	3.20	0.027	0.102	5.60	5	9	41	0.01	< 1	< 2	< 10	127	< 10	11	7	1.67
1319063137	7	6	1.96	< 10	< 1	0.25	17	0.87	0.054	0.066	1.28	2	1	29	0.08	3	< 2	< 10	11	< 10	2	21	0.35
1431017035	17	13	4.39	< 10	< 1	0.14	13	0.72	0.071	0.047	1.42	3	3	39	0.03	1	< 2	< 10	36	< 10	4	13	0.27
1317022184	9	6	2.60	< 10	< 1	0.19	13	1.13	0.037	0.067	1.95	2	< 1	25	0.01	< 1	< 2	< 10	7	< 10	2	16	0.66
GC22-0578-001	5	5	2.17	< 10	< 1	0.13	< 10	0.55	0.199	0.058	1.21	< 2	< 1	163	< 0.01	< 1	< 2	< 10	6	< 10	2	14	0.04
1317022156	9	5	2.24	< 10	< 1	0.14	12	0.83	0.051	0.068	2.00	2	< 1	38	< 0.01	2	< 2	< 10	5	< 10	2	14	0.63
GC22-0577-001	9	8	3.12	< 10	< 1	0.12	< 10	0.85	0.095	0.059	1.10	2	< 1	82	0.01	< 1	5	< 10	10	< 10	3	17	0.04
F012544																							
GC22-0459-009	7	6	2.17	< 10	< 1	0.19	14	0.86	0.029	0.063	1.69	5	< 1	20	0.04	< 1	< 2	< 10	7	< 10	2	22	0.42
1317022197	9	6	2.41	< 10	< 1	0.15	14	0.77	0.091	0.070	2.10	2	< 1	94	< 0.01	< 1	< 2	< 10	5	< 10	3	16	0.61
1319061098	35	116	4.50	< 10	< 1	0.04	< 10	1.85	0.532	0.033	0.35	4	6	61	0.24	< 1	< 2	< 10	113	< 10	4	4	0.06
1431016425	7	11	2.23	< 10	< 1	0.12	14	0.75	0.047	0.075	0.83	< 2	1	50	< 0.01	< 1	< 2	< 10	12	< 10	3	9	0.70
1431016002	9	7	2.12	< 10	< 1	0.11	18	0.84	0.046	0.089	0.85	3	< 1	42	< 0.01	< 1	< 2	< 10	9	< 10	3	10	0.61
GC22-0433-005	7	4	2.22	< 10	< 1	0.16	12	0.60	0.017	0.060	2.07	2	< 1	30	< 0.01	3	< 2	< 10	3	< 10	3	16	0.94
GC22-0553-002	6	4	1.57	< 10	< 1	0.16	< 10	0.57	0.014	0.060	1.10	< 2	< 1	36	< 0.01	< 1	< 2	< 10	3	< 10	2	7	1.25
GC22-0429-001	10	21	2.60	< 10	< 1	0.25	14	1.11	0.171	0.071	1.24	2	2	87	0.08	< 1	< 2	< 10	15	< 10	3	22	0.10
GC22-0450-009	18	27	3.84	< 10	< 1	0.10	17	1.43	0.189	0.076	0.90	3	3	80	0.02	< 1	< 2	< 10	33	< 10	5	9	1.04
GC22-0562-007	8	7	2.00	< 10	< 1	0.19	16	1.13	0.094	0.070	1.17	2	< 1	59	< 0.01	< 1	< 2	< 10	8	< 10	2	9	0.30
1317022013	9	5	2.29	< 10	< 1	0.20	13	0.89	0.081	0.067	1.88	3	< 1	33	0.02	< 1	< 2	< 10	5	< 10	2	13	0.66
1431016097	10	14	2.33	< 10	< 1	0.09	11	0.71	0.047	0.082	1.31	< 2	2	53	0.03	< 1	< 2	< 10	15	< 10	3	8	0.70
GC22-0555-010	7	4	2.12	< 10	< 1	0.17	< 10	0.55	0.012	0.062	1.98	4	< 1	31	< 0.01	< 1	< 2	< 10	2	< 10	3	13	1.07
GC22-0437-001	8	5	1.88	< 10	< 1	0.25	15	0.83	0.068	0.070	1.23	< 2	< 1	33	< 0.01	< 1	< 2	< 10	6	< 10	3	14	0.29
GC22-0507-001	8	14	2.26	< 10	< 1	0.40	14	0.69	0.078	0.064	0.53	2	2	33	0.12	< 1	< 2	< 10	18	< 10	3	15	0.44
GC22-0524-002	7	5	1.87	< 10	< 1	0.20	17	0.90	0.028	0.064	1.27	< 2	< 1	23	< 0.01	< 1	< 2	< 10	6	< 10	2	15	0.60
1431016039	9	11	2.03	< 10	< 1	0.12	14	0.74	0.071	0.079	1.03	2	1	62	0.01	2	< 2	< 10	9	< 10	3	7	1.22
1317022064	8	8	2.33	< 10	< 1	0.19	11	0.95	0.033	0.067	1.92	3	< 1	26	< 0.01	4	< 2	< 10	6	< 10	2	13	0.97
1431016340	10	14	2.47	< 10	< 1	0.14	< 10	0.75	0.055	0.064	1.82	3	1	42	0.02	5	< 2	< 10	12	< 10	3	10	0.66

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0492-009FD	7	7	1.87	< 10	< 1	0.23	16	0.71	0.018	0.063	1.26	< 2	< 1	21	0.06	< 1	< 2	< 10	6	< 10	3	19	0.37
GC22-0432-011	14	80	2.26	< 10	< 1	0.26	16	0.94	0.013	0.080	1.63	3	2	33	0.04	< 1	< 2	< 10	15	< 10	2	13	0.50
GC22-0431-009FD	7	5	1.62	< 10	< 1	0.22	16	0.42	0.012	0.067	1.35	< 2	< 1	16	0.02	< 1	< 2	< 10	4	< 10	2	15	0.26
GC22-0443-009FD	8	4	2.80	< 10	< 1	0.22	15	0.15	0.014	0.078	3.12	3	< 1	13	< 0.01	< 1	< 2	< 10	3	< 10	3	13	0.54
GC22-0560-004	9	5	2.35	< 10	< 1	0.17	< 10	0.62	0.008	0.070	2.34	3	< 1	129	< 0.01	< 1	< 2	< 10	2	< 10	2	17	0.98
GC22-0569-009	8	6	2.47	< 10	< 1	0.21	< 10	0.83	0.011	0.058	2.20	4	< 1	65	< 0.01	3	< 2	< 10	2	< 10	2	14	1.30
F012543																							
1319064064	7	6	2.38	< 10	< 1	0.28	13	0.64	0.011	0.061	1.89	3	< 1	32	0.01	< 1	< 2	< 10	6	< 10	2	20	0.18
1319064003	8	5	1.83	< 10	< 1	0.17	14	0.40	0.025	0.067	1.53	2	< 1	16	< 0.01	< 1	< 2	< 10	6	< 10	2	14	0.30
1319067815	7	6	1.95	< 10	< 1	0.21	16	1.02	0.035	0.064	1.34	3	< 1	39	0.01	< 1	< 2	< 10	6	< 10	3	14	0.60
1319067808	7	5	1.99	< 10	< 1	0.24	15	1.10	0.091	0.061	1.35	2	< 1	63	0.01	2	< 2	< 10	9	< 10	3	20	0.47
1319067604	8	6	2.31	< 10	< 1	0.20	13	0.83	0.022	0.064	1.59	3	< 1	31	< 0.01	< 1	< 2	< 10	10	< 10	3	17	0.73
GC22-0632-011	32	28	7.78	< 10	< 1	0.12	< 10	1.62	0.031	0.104	4.38	4	4	24	< 0.01	1	< 2	< 10	58	< 10	10	9	0.98
1319067803	8	7	2.47	< 10	< 1	0.20	14	1.19	0.062	0.061	1.24	2	1	46	0.01	1	< 2	< 10	14	< 10	3	16	0.39
1319067625	13	12	3.14	< 10	< 1	0.15	17	1.08	0.067	0.091	0.85	3	2	48	0.04	3	< 2	< 10	28	< 10	4	14	0.34
1319067694	7	8	2.03	< 10	< 1	0.20	17	0.70	0.181	0.073	0.82	< 2	1	145	0.04	< 1	< 2	< 10	12	< 10	3	14	0.46
GC22-0643-004	39	43	9.60	10	< 1	0.06	< 10	2.67	0.026	0.132	4.82	4	11	19	< 0.01	3	< 2	< 10	119	< 10	14	8	0.28
GC22-0722-011	34	35	8.88	< 10	< 1	0.06	< 10	2.47	0.029	0.118	2.92	5	7	49	< 0.01	2	< 2	< 10	136	< 10	11	7	1.60
GC22-0728-004	42	74	10.3	10	< 1	0.04	< 10	2.47	0.030	0.127	4.03	6	10	21	< 0.01	< 1	< 2	< 10	166	< 10	12	6	0.14
GC22-0549-009FD	45	48	10.9	< 10	< 1	0.10	< 10	2.51	0.084	0.093	6.66	5	9	57	0.10	1	< 2	< 10	130	< 10	11	7	1.75
GC22-0510-009FD	30	38	7.00	< 10	< 1	0.13	< 10	1.90	0.020	0.107	2.22	4	7	20	0.11	< 1	< 2	< 10	72	< 10	13	8	1.46
STUG22-0175	9	6	2.44	< 10	< 1	0.20	< 10	0.18	0.022	0.060	2.44	11	< 1	8	< 0.01	< 1	< 2	< 10	3	< 10	2	12	< 0.01
GC22-0363-003	24	19	4.18	< 10	< 1	0.18	11	1.47	0.034	0.076	1.01	3	2	25	< 0.01	4	< 2	< 10	19	< 10	6	11	1.19
1319068923	21	50	4.38	< 10	< 1	0.10	< 10	1.48	0.374	0.046	0.59	3	4	57	0.22	< 1	< 2	< 10	98	< 10	4	8	0.24
GC22-0634-010	9	6	2.07	< 10	< 1	0.15	< 10	1.08	0.049	0.073	1.98	6	< 1	51	< 0.01	2	< 2	< 10	5	< 10	1	11	0.77
1319067822	8	5	2.16	< 10	< 1	0.20	13	0.99	0.038	0.063	1.21	< 2	< 1	37	< 0.01	2	< 2	< 10	7	< 10	3	14	0.62
GC22-0725-001	35	44	8.67	< 10	< 1	0.10	< 10	2.48	0.030	0.107	3.01	5	7	19	< 0.01	2	< 2	< 10	103	< 10	9	7	0.92
GC22-0726-010	33	38	10.0	< 10	< 1	0.08	< 10	1.98	0.028	0.111	3.68	5	6	27	< 0.01	< 1	< 2	< 10	116	< 10	12	5	1.04
1319067629	36	45	6.46	< 10	1	0.39	< 10	1.11	0.148	0.103	0.56	4	13	53	0.20	< 1	< 2	< 10	147	< 10	13	5	1.17
GC22-0648-013	8	6	2.22	< 10	< 1	0.16	< 10	1.22	0.047	0.060	2.07	3	< 1	48	< 0.01	2	< 2	< 10	4	< 10	2	10	0.95
F012548																							
1319063228	9	13	1.97	< 10	< 1	0.27	14	0.67	0.047	0.064	0.39	2	2	24	0.12	< 1	< 2	< 10	20	< 10	4	15	0.44
1319063189	15	18	3.09	< 10	< 1	0.19	13	0.82	0.064	0.075	0.96	< 2	3	44	0.17	2	< 2	< 10	43	< 10	6	14	0.47
GC22-0610-001	7	6	2.01	< 10	< 1	0.10	< 10	1.17	0.036	0.058	1.82	4	< 1	39	< 0.01	6	< 2	< 10	5	< 10	2	7	0.95
1317023001	9	13	3.47	< 10	< 1	0.25	15	0.67	0.015	0.067	2.50	2	< 1	19	0.04	< 1	< 2	< 10	7	< 10	3	22	0.21
GC22-0613-014	8	4	1.67	< 10	< 1	0.13	< 10	0.90	0.031	0.065	1.59	3	< 1	36	< 0.01	2	< 2	< 10	3	< 10	2	8	0.73
1317023009	9	6	3.15	< 10	< 1	0.21	15	0.67	0.014	0.067	2.24	3	< 1	26	< 0.01	< 1	< 2	< 10	6	< 10	3	18	0.53
GC22-0628-011	8	3	2.34	< 10	< 1	0.12	< 10	0.49	0.023	0.057	2.55	6	< 1	20	< 0.01	< 1	< 2	< 10	2	< 10	1	8	0.40
1317023087	9	8	2.94	< 10	< 1	0.23	14	0.94	0.018	0.072	1.71	2	< 1	14	< 0.01	< 1	< 2	< 10	7	< 10	3	15	0.09
1317023063	8	7	3.45	< 10	< 1	0.19	13	1.29	0.014	0.070	1.57	< 2	< 1	14	0.02	< 1	< 2	< 10	8	< 10	3	12	0.14
1319063419	42	52	7.85	< 10	< 1	0.49	< 10	1.11	0.149	0.104	2.55	4	8	72	0.37	6	< 2	< 10	154	< 10	13	9	0.80
GC22-0604-004	10	14	2.30	< 10	< 1	0.11	< 10	0.82	0.040	0.066	1.72	< 2	1	38	0.03	< 1	< 2	< 10	14	< 10	3	9	0.55
GC22-0617-002	17	30	3.53	< 10	< 1	0.13	10	1.05	0.057	0.083	1.82	3	3	34	0.09	< 1	< 2	< 10	46	< 10	4	11	0.26
1319064462	8	4	1.83	< 10	< 1	0.16	16	1.11	0.128	0.063	1.15	< 2	< 1	52	0.04	2	< 2	< 10	8	< 10	3	16	0.27
GC22-0616-009	8	4	2.12	< 10	< 1	0.16	< 10	0.66	0.036	0.054	2.11	5	< 1	30	< 0.01	2	< 2	< 10	3	< 10	1	10	0.49
GC22-0621-002	15	36	3.13	< 10	< 1	0.13	16	0.95	0.075	0.113	1.15	3	4	46	0.12	< 1	< 2	< 10	46	< 10	6	11	0.26
1317023112	9	6	2.28	< 10	< 1	0.19	15	1.19	0.021	0.072	1.22	2	< 1	13	0.01	< 1	< 2	< 10	6	< 10	3	7	0.23

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0395-018	38	32	9.68	< 10	2	0.16	< 10	2.09	0.024	0.099	7.77	6	6	72	< 0.01	5	< 2	< 10	72	< 10	9	7	2.18
GC22-0373-008	10	6	2.97	< 10	< 1	0.19	16	1.27	0.035	0.088	1.71	2	1	32	< 0.01	4	< 2	< 10	8	< 10	3	7	1.57
GC22-0506-016	35	53	8.10	10	1	0.08	< 10	2.92	0.102	0.110	4.87	4	8	51	< 0.01	1	< 2	< 10	98	< 10	11	10	1.42
GC22-0363-008	40	138	7.68	10	< 1	0.04	< 10	2.84	0.152	0.044	0.93	5	12	64	< 0.01	< 1	< 2	< 10	148	< 10	5	3	2.21
GC22-0361-020	13	8	3.38	< 10	< 1	0.16	17	1.28	0.044	0.087	3.12	3	1	41	< 0.01	< 1	< 2	< 10	9	< 10	4	13	1.20
GC22-0519-018	10	11	2.24	< 10	< 1	0.14	18	1.13	0.141	0.080	0.47	3	1	76	< 0.01	< 1	< 2	< 10	11	< 10	4	3	0.68
STUG22-0229	8	5	1.83	< 10	< 1	0.15	11	0.12	0.032	0.074	1.98	9	< 1	13	< 0.01	< 1	< 2	< 10	3	< 10	2	14	0.01
GC22-0646-010	44	32	10.9	< 10	1	0.12	< 10	1.20	0.029	0.123	6.98	6	7	11	< 0.01	2	< 2	< 10	65	< 10	6	7	0.50
GC22-0653-002	45	256	8.06	10	< 1	0.02	< 10	4.41	0.039	0.039	0.50	6	21	31	< 0.01	< 1	< 2	< 10	160	< 10	5	3	1.33
1319068955	14	14	2.93	< 10	< 1	0.22	11	0.82	0.088	0.068	1.39	2	3	42	0.04	< 1	< 2	< 10	34	< 10	4	14	0.70
GC22-0652-004	24	24	5.67	< 10	< 1	0.16	< 10	1.83	0.034	0.098	3.15	3	4	30	< 0.01	7	< 2	< 10	26	< 10	3	14	1.77
GC22-0645-002	49	56	10.9	< 10	1	0.13	< 10	1.70	0.033	0.123	7.92	6	9	11	< 0.01	< 1	< 2	< 10	88	< 10	5	6	0.32
GC22-0723-009	20	18	5.11	< 10	< 1	0.12	< 10	1.75	0.027	0.098	3.06	3	2	19	< 0.01	6	< 2	< 10	18	< 10	2	10	1.39
GC22-0644-002	30	46	8.63	< 10	< 1	0.10	< 10	1.60	0.035	0.132	5.10	5	8	18	< 0.01	2	< 2	< 10	74	< 10	4	5	0.90
GC22-0647-012	19	16	4.51	< 10	< 1	0.16	< 10	1.18	0.040	0.090	2.10	3	3	27	< 0.01	2	< 2	< 10	31	< 10	3	8	0.99
GC22-0724-012	43	37	11.9	< 10	< 1	0.08	< 10	2.14	0.025	0.113	6.56	6	11	14	< 0.01	5	< 2	< 10	107	< 10	3	7	0.99
GC22-0650-002	34	34	10.5	< 10	< 1	0.10	< 10	2.26	0.028	0.113	6.66	5	8	21	< 0.01	3	< 2	< 10	77	< 10	9	6	1.61
F012547																							
1319065100	8	12	2.48	< 10	< 1	0.12	15	0.79	0.047	0.069	0.70	2	1	31	< 0.01	< 1	< 2	< 10	15	< 10	4	10	0.54
GC22-0750-002	7	5	2.26	< 10	< 1	0.21	< 10	0.75	0.012	0.061	1.87	4	< 1	21	< 0.01	< 1	< 2	< 10	4	< 10	2	17	0.64
STUG22-0489	8	9	2.06	< 10	< 1	0.24	< 10	0.09	0.028	0.060	2.13	10	< 1	10	< 0.01	< 1	< 2	< 10	3	< 10	2	12	< 0.01
1319065009	8	11	1.94	< 10	< 1	0.20	13	0.66	0.053	0.067	0.51	2	1	33	0.05	< 1	< 2	< 10	15	< 10	4	11	0.64
STUG22-0554	9	7	2.19	< 10	< 1	0.29	10	0.14	0.040	0.072	2.23	13	< 1	15	< 0.01	< 1	< 2	< 10	5	< 10	2	15	0.02
GC22-0676-002	9	6	2.38	< 10	< 1	0.25	< 10	0.43	0.013	0.071	2.44	8	< 1	18	< 0.01	< 1	< 2	< 10	3	< 10	2	14	0.50
1432019046	26	41	5.26	< 10	< 1	0.12	< 10	1.77	0.061	0.087	2.95	3	4	40	0.01	5	< 2	< 10	42	< 10	5	10	1.48
GC22-0689-005	8	4	2.59	< 10	< 1	0.35	< 10	0.05	0.009	0.062	2.95	4	< 1	37	< 0.01	< 1	< 2	< 10	4	< 10	2	16	0.37
GC22-0681-009FD	8	8	1.37	< 10	< 1	0.08	< 10	0.40	0.062	0.052	0.17	3	< 1	80	< 0.01	1	< 2	< 10	9	12	1	7	0.10
GC22-0684-013	7	6	1.45	< 10	< 1	0.34	12	0.47	0.013	0.062	1.18	3	< 1	16	< 0.01	1	< 2	< 10	4	< 10	2	12	0.59
GC22-0685-020	8	5	1.85	< 10	< 1	0.18	15	0.64	0.031	0.060	1.39	< 2	< 1	38	< 0.01	< 1	< 2	< 10	4	< 10	2	13	0.82
1432019289	12	12	3.18	< 10	< 1	0.12	12	1.22	0.058	0.085	1.46	3	2	44	< 0.01	< 1	< 2	< 10	25	< 10	4	8	1.06
1319065361	9	16	2.18	< 10	< 1	0.18	14	0.77	0.042	0.070	0.34	2	1	30	0.04	< 1	< 2	< 10	18	< 10	3	9	0.62
STUG22-0293	8	6	1.81	< 10	< 1	0.25	12	0.18	0.050	0.075	1.82	11	< 1	21	< 0.01	< 1	< 2	< 10	5	< 10	3	15	0.02
GC22-0681-019	7	6	3.23	< 10	< 1	0.21	< 10	0.32	0.019	0.066	3.21	3	< 1	27	< 0.01	< 1	< 2	< 10	3	< 10	2	24	0.49
GC22-0674-002	7	7	2.03	< 10	< 1	0.19	16	0.90	0.089	0.064	1.34	3	< 1	32	0.02	2	< 2	< 10	8	< 10	3	12	0.17
F012546																							
1319064109	6	4	2.31	< 10	< 1	0.24	< 10	0.62	0.010	0.062	1.94	3	< 1	26	< 0.01	< 1	< 2	< 10	5	< 10	2	9	0.62
GC22-0623-004	8	4	2.13	< 10	< 1	0.14	< 10	0.96	0.028	0.063	2.03	11	< 1	28	< 0.01	< 1	< 2	< 10	4	< 10	2	9	0.85
1319064449	7	4	1.87	< 10	< 1	0.21	15	0.97	0.021	0.057	1.58	3	< 1	25	0.01	< 1	< 2	< 10	6	< 10	2	9	0.46
GC22-0612-021	8	5	2.20	< 10	< 1	0.15	< 10	1.04	0.032	0.062	1.76	2	< 1	46	< 0.01	2	< 2	< 10	4	< 10	2	10	0.98
1319064071	13	5	2.66	< 10	< 1	0.46	< 10	0.62	0.014	0.059	2.07	3	< 1	92	0.03	1	< 2	< 10	8	< 10	2	20	0.24
GC22-0626-006	6	4	2.02	< 10	< 1	0.16	< 10	1.53	0.035	0.065	1.49	6	< 1	53	< 0.01	< 1	< 2	< 10	4	< 10	2	8	1.23
GC22-0594-011	10	7	2.16	< 10	< 1	0.18	12	1.02	0.052	0.076	1.81	3	< 1	55	< 0.01	1	< 2	< 10	5	< 10	2	12	0.92
GC22-0609-001	8	5	1.93	< 10	< 1	0.08	< 10	0.84	0.032	0.059	1.84	3	< 1	29	< 0.01	< 1	< 2	< 10	4	< 10	1	7	0.52
1319064408	9	10	2.64	< 10	< 1	0.25	14	1.19	0.032	0.069	1.43	< 2	2	33	0.05	< 1	< 2	< 10	21	< 10	3	13	0.43
GC22-0630-012	7	5	1.85	< 10	< 1	0.17	< 10	0.80	0.030	0.073	1.10	< 2	< 1	81	< 0.01	< 1	< 2	< 10	4	< 10	2	6	1.03
GC22-0641-004	7	6	2.09	< 10	< 1	0.10	< 10	0.94	0.035	0.057	1.97	< 2	< 1	31	< 0.01	< 1	< 2	< 10	4	< 10	1	7	0.59
1317023146	8	6	2.46	< 10	< 1	0.16	13	0.89	0.147	0.064	1.95	< 2	< 1	65	0.03	2	< 2	< 10	7	< 10	2	17	0.42
GC22-0627-002	15	25	3.22	< 10	< 1	0.14	< 10	0.97	0.102	0.067	1.61	2	3	36	0.09	< 1	< 2	< 10	36	< 10	4	13	0.27
1319064031	8	4	3.39	< 10	< 1	0.23	12	0.62	0.010	0.063	2.17	3	< 1	13	0.02	< 1	< 2	< 10	6	< 10	2	18	0.15
GC22-0649-007	9	6	2.22	< 10	< 1	0.17	< 10	1.20	0.034	0.067	1.82	4	< 1	47	< 0.01	4	< 2	< 10	4	< 10	2	13	1.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1317023131	9	8	2.54	< 10	< 1	0.15	12	0.85	0.100	0.063	2.07	< 2	< 1	46	0.03	1	< 2	< 10	8	< 10	2	15	0.32
1319064150	7	4	1.74	< 10	< 1	0.25	15	0.87	0.022	0.055	1.34	2	< 1	27	< 0.01	< 1	< 2	< 10	6	< 10	2	8	0.44
1319064022	7	5	2.05	< 10	< 1	0.25	15	0.46	0.012	0.068	1.48	3	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	2	13	0.25
1319064451	7	3	2.29	< 10	< 1	0.22	15	0.96	0.024	0.057	1.86	2	< 1	26	< 0.01	< 1	< 2	< 10	6	< 10	2	11	0.49
GC22-0618-007	7	7	2.23	< 10	< 1	0.09	< 10	1.35	0.049	0.066	1.17	2	1	59	< 0.01	< 1	< 2	< 10	7	< 10	1	7	1.22
GC22-0633-003	6	6	2.72	< 10	< 1	0.15	< 10	1.47	0.033	0.065	2.16	3	< 1	39	< 0.01	6	< 2	< 10	5	< 10	1	11	0.68
GC22-0635-011	8	7	2.09	< 10	< 1	0.13	< 10	0.73	0.076	0.060	1.35	3	< 1	127	< 0.01	1	< 2	< 10	5	< 10	2	10	1.06
GC22-0392-004	17	14	4.50	< 10	< 1	0.15	< 10	1.62	0.045	0.079	2.01	4	3	42	< 0.01	< 1	< 2	< 10	32	< 10	4	12	1.33
GC22-0612-014	8	6	2.44	< 10	< 1	0.14	< 10	1.29	0.032	0.068	2.08	< 2	< 1	43	< 0.01	2	< 2	< 10	5	< 10	2	12	0.98
F012545																							
1319065169	9	15	2.54	< 10	< 1	0.13	14	0.73	0.062	0.064	0.18	2	1	43	0.01	< 1	< 2	< 10	15	< 10	3	2	0.88
GC22-0694-006	14	5	3.73	< 10	< 1	0.19	13	0.13	0.022	0.060	4.32	4	< 1	37	< 0.01	< 1	< 2	< 10	3	< 10	2	23	0.24
STUG22-1161	9	6	2.15	< 10	< 1	0.33	11	0.13	0.046	0.066	2.31	11	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	2	17	0.03
1319071045	7	5	2.13	< 10	< 1	0.29	12	0.63	0.012	0.067	1.97	6	< 1	40	< 0.01	< 1	< 2	< 10	4	< 10	2	11	0.69
1319071054	8	3	2.04	< 10	< 1	0.19	< 10	0.68	0.012	0.063	1.67	3	< 1	31	< 0.01	< 1	< 2	< 10	2	< 10	2	9	1.10
1319069017	11	47	2.50	< 10	< 1	0.24	15	0.86	0.070	0.073	0.54	< 2	2	41	0.13	< 1	< 2	< 10	28	< 10	5	13	0.42
1319065310	8	11	2.42	< 10	< 1	0.14	14	0.83	0.046	0.067	0.37	< 2	2	21	0.04	< 1	< 2	< 10	19	< 10	3	9	0.47
1319065051	8	13	2.48	< 10	< 1	0.20	11	0.72	0.039	0.063	0.80	< 2	1	33	0.03	< 1	< 2	< 10	13	< 10	4	13	0.53
1319065066	8	11	2.25	< 10	< 1	0.27	12	0.69	0.051	0.065	0.25	< 2	2	30	0.08	< 1	< 2	< 10	19	< 10	4	14	0.51
1319065349	12	15	2.63	< 10	< 1	0.37	12	0.77	0.059	0.064	0.83	< 2	2	27	0.09	< 1	< 2	< 10	21	< 10	4	19	0.48
1319066056	7	11	2.02	< 10	< 1	0.23	15	0.70	0.054	0.071	0.41	< 2	1	39	0.06	< 1	< 2	< 10	17	< 10	4	11	0.55
1319065370	8	10	2.32	< 10	< 1	0.10	21	0.83	0.085	0.067	0.34	< 2	2	61	< 0.01	1	< 2	< 10	16	< 10	4	5	0.75
1319070189	9	9	2.47	< 10	< 1	0.23	12	0.71	0.051	0.065	0.89	2	1	40	0.11	< 1	< 2	< 10	15	< 10	4	15	0.71
1319065328	9	12	2.99	< 10	< 1	0.23	12	0.94	0.050	0.062	0.89	2	1	36	0.03	1	< 2	< 10	15	< 10	4	13	0.55
GC22-0690-001	10	15	1.56	< 10	< 1	0.30	< 10	0.22	0.012	0.080	1.38	3	< 1	57	< 0.01	< 1	< 2	< 10	5	< 10	2	9	0.40
1319066013	24	32	6.71	10	< 1	0.16	< 10	2.23	0.144	0.107	0.61	3	11	105	0.17	< 1	< 2	< 10	141	< 10	11	11	1.99
1319065030	10	8	2.18	< 10	< 1	0.22	14	0.78	0.096	0.065	0.70	< 2	2	53	0.04	1	< 2	< 10	16	< 10	4	9	0.41
F012559																							
GC22-0401-010	43	98	9.96	< 10	< 1	0.11	< 10	2.99	0.015	0.075	3.78	5	9	38	< 0.01	9	< 2	< 10	91	< 10	6	7	1.32
1431016205	14	63	3.31	< 10	< 1	0.15	11	1.20	0.085	0.076	1.68	3	3	50	0.04	< 1	< 2	< 10	32	< 10	4	15	0.55
STUG22-0343	8	12	2.56	< 10	< 1	0.24	< 10	0.18	0.027	0.060	2.66	22	< 1	10	< 0.01	1	< 2	< 10	4	< 10	2	10	< 0.01
GC22-0394-005	41	191	7.36	10	1	0.04	< 10	3.42	0.022	0.062	0.91	4	17	68	< 0.01	2	< 2	< 10	136	< 10	7	4	1.63
GC22-0402-005	41	125	7.70	< 10	1	0.06	< 10	3.14	0.054	0.047	1.14	5	14	44	< 0.01	4	< 2	< 10	105	< 10	3	4	2.51
GC22-0663-021	23	21	7.96	< 10	< 1	0.12	< 10	1.91	0.028	0.085	5.29	5	8	47	< 0.01	6	< 2	< 10	68	< 10	3	14	1.26
GC22-0403-019	33	147	8.30	< 10	2	0.12	11	2.98	0.030	0.133	2.70	5	8	71	< 0.01	< 1	< 2	< 10	72	< 10	7	6	2.24
GC22-0655-004	35	51	8.92	< 10	1	0.07	14	1.89	0.035	0.140	5.17	4	10	18	< 0.01	7	< 2	< 10	96	< 10	14	10	0.25
GC22-0460-021	19	10	5.06	< 10	< 1	0.17	13	1.54	0.077	0.083	4.51	4	2	48	< 0.01	< 1	< 2	< 10	19	< 10	8	29	0.02
GC22-5046-024	6	8	3.93	< 10	< 1	0.15	13	0.92	0.151	0.061	3.29	2	< 1	72	0.02	< 1	< 2	< 10	8	< 10	3	25	0.05
GC22-0402-003	39	119	9.09	< 10	< 1	0.06	< 10	3.57	0.027	0.050	2.01	5	13	20	< 0.01	< 1	< 2	< 10	110	< 10	3	4	1.89
GC22-0377-002	54	109	10.6	< 10	3	0.06	< 10	2.23	0.037	0.062	2.93	8	15	12	< 0.01	9	< 2	< 10	112	< 10	4	7	0.74
GC22-0415-012	40	28	10.3	< 10	< 1	0.11	< 10	1.39	0.031	0.124	9.24	5	6	23	< 0.01	< 1	< 2	< 10	48	< 10	3	6	1.22
GC22-0378-011	46	46	11.9	10	2	0.06	< 10	2.72	0.011	0.116	4.38	7	13	14	0.04	3	< 2	< 10	153	< 10	10	7	1.08
GC22-0416-012	17	13	4.71	< 10	< 1	0.11	< 10	1.69	0.053	0.087	2.67	2	2	36	< 0.01	1	< 2	< 10	21	< 10	2	12	1.40
GC22-0480-020	5	18	2.18	10	< 1	0.13	< 10	1.37	0.321	0.063	0.51	3	3	328	0.01	3	< 2	< 10	37	< 10	5	6	0.31
STUG22-0066	9	6	2.05	< 10	< 1	0.25	< 10	0.12	0.028	0.064	2.13	8	< 1	10	< 0.01	< 1	< 2	< 10	4	< 10	2	11	0.01
GC22-5068-021	12	12	4.16	< 10	< 1	0.17	13	1.05	0.073	0.074	2.78	3	1	34	0.05	2	< 2	< 10	14	< 10	5	25	0.05
STUG22-0069	9	7	2.21	< 10	< 1	0.22	< 10	0.10	0.026	0.062	2.25	12	< 1	10	< 0.01	1	< 2	< 10	3	< 10	2	13	< 0.01
GC22-0477-015	8	7	3.14	< 10	< 1	0.19	14	0.97	0.154	0.064	2.71	< 2	< 1	89	0.03	4	< 2	< 10	7	< 10	3	27	0.05
GC22-0416-004	46	52	13.1	10	1	0.07	< 10	2.03	0.023	0.125	7.38	7	15	7	< 0.01	< 1	< 2	< 10	138	< 10	5	7	0.39
GC22-0402-004	41	114	8.17	< 10	1	0.05	< 10	3.26	0.034	0.050	1.47	4	13	35	< 0.01	7	< 2	< 10	99	< 10	4	4	2.51
F012558																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0481-021	12	8	3.64	< 10	< 1	0.15	18	1.42	0.020	0.078	2.70	3	< 1	13	< 0.01	1	< 2	< 10	9	< 10	5	20	0.01
GC22-5072-016	8	8	2.08	< 10	< 1	0.24	14	1.23	0.274	0.062	0.49	2	1	160	0.07	< 1	< 2	< 10	14	< 10	4	9	0.11
1432019150	18	13	4.58	< 10	< 1	0.15	10	0.77	0.046	0.099	2.33	3	2	25	< 0.01	3	< 2	< 10	22	< 10	4	9	0.58
1432019029	30	22	8.18	< 10	< 1	0.16	< 10	0.76	0.041	0.111	6.38	3	5	15	< 0.01	4	< 2	< 10	38	< 10	4	14	0.50
1432019349	34	20	8.46	< 10	< 1	0.11	< 10	2.07	0.031	0.092	6.56	5	5	34	< 0.01	< 1	< 2	< 10	45	< 10	5	9	2.83
GC22-5077-023	9	10	3.33	< 10	< 1	0.13	< 10	2.13	0.163	0.060	1.73	4	1	121	< 0.01	< 1	< 2	< 10	14	< 10	3	16	0.10
1432019161	27	28	7.43	< 10	< 1	0.09	< 10	1.82	0.042	0.098	4.33	4	5	30	< 0.01	< 1	< 2	< 10	52	< 10	7	14	1.34
GC22-0712-002	11	7	2.56	< 10	< 1	0.13	25	0.84	0.034	0.078	1.73	2	1	33	< 0.01	< 1	< 2	< 10	12	< 10	3	11	0.14
1432019211	33	31	8.27	< 10	< 1	0.14	< 10	2.00	0.036	0.114	3.27	5	8	32	< 0.01	4	< 2	< 10	74	< 10	5	6	1.74
GC22-0661-013	7	5	2.31	< 10	< 1	0.19	< 10	0.13	0.013	0.063	2.50	3	< 1	41	< 0.01	2	< 2	< 10	2	< 10	2	19	0.48
STUG22-0445	8	6	2.07	< 10	< 1	0.25	< 10	0.10	0.027	0.039	2.17	14	< 1	8	< 0.01	< 1	< 2	< 10	3	< 10	2	10	< 0.01
1432019045	31	22	8.15	< 10	< 1	0.10	13	1.47	0.040	0.110	6.50	4	4	28	< 0.01	< 1	< 2	< 10	42	< 10	8	13	1.00
1432019182	37	122	7.70	10	1	0.09	< 10	2.98	0.054	0.072	1.12	4	10	52	0.02	< 1	< 2	< 10	113	< 10	8	7	1.96
1432019201	15	14	4.16	< 10	< 1	0.11	< 10	1.74	0.061	0.067	1.65	4	4	46	< 0.01	< 1	< 2	< 10	46	< 10	5	12	1.16
GC22-0711-001	8	7	1.66	< 10	< 1	0.24	15	0.89	0.017	0.068	1.16	< 2	< 1	51	< 0.01	< 1	< 2	< 10	6	< 10	2	12	0.83
1432019282	27	25	7.82	< 10	< 1	0.12	< 10	1.82	0.101	0.087	4.91	3	5	69	0.04	8	< 2	< 10	63	< 10	8	15	1.48
1432019302	19	10	5.39	< 10	< 1	0.16	< 10	1.59	0.034	0.082	3.59	4	2	30	< 0.01	< 1	< 2	< 10	17	< 10	3	11	1.79
1432019125	15	10	4.11	< 10	< 1	0.14	26	0.92	0.049	0.133	1.86	2	2	21	< 0.01	2	< 2	< 10	17	< 10	5	6	0.50
1431016331	14	7	4.24	< 10	< 1	0.18	18	0.99	0.043	0.108	4.46	4	< 1	47	< 0.01	2	< 2	< 10	7	< 10	3	15	0.99
1432019069	10	6	2.73	< 10	< 1	0.18	17	1.17	0.039	0.085	1.57	3	< 1	30	< 0.01	3	< 2	< 10	6	< 10	2	6	1.64
GC22-5090-016	25	64	4.32	< 10	< 1	0.02	< 10	1.84	0.410	0.030	0.08	2	4	58	0.34	< 1	< 2	< 10	122	< 10	4	4	0.04
1432019234	39	24	9.23	< 10	1	0.11	12	2.06	0.033	0.123	4.91	3	8	40	< 0.01	< 1	< 2	< 10	85	< 10	9	12	1.47
GC22-0679-011	11	7	2.44	< 10	< 1	0.10	24	0.70	0.048	0.094	1.24	3	1	52	< 0.01	3	< 2	< 10	12	< 10	3	6	0.27
F012557																							
GC22-0539-013	29	31	8.39	< 10	1	0.15	< 10	2.27	0.011	0.088	2.64	3	7	34	0.10	< 1	< 2	< 10	90	< 10	7	13	1.26
GC22-0571-013	13	11	3.48	< 10	< 1	0.11	19	1.49	0.039	0.082	1.17	2	2	49	< 0.01	< 1	< 2	< 10	23	< 10	4	7	0.98
GC22-2101-013	4	5	2.42	< 10	< 1	0.12	10	0.74	0.156	0.053	1.12	< 2	< 1	110	< 0.01	2	< 2	< 10	6	< 10	2	14	0.13
GC22-0595-004	4	4	2.86	< 10	< 1	0.13	11	0.51	0.103	0.051	1.69	2	< 1	70	0.02	< 1	< 2	< 10	5	< 10	2	16	0.03
1319063113	40	651	3.61	< 10	< 1	0.17	< 10	3.65	0.108	0.066	0.16	5	6	57	0.13	< 1	< 2	< 10	59	< 10	3	8	0.41
1319063081	7	3	1.82	< 10	< 1	0.22	15	0.65	0.030	0.060	1.57	3	< 1	25	< 0.01	< 1	< 2	< 10	5	< 10	2	6	0.67
GC22-0563-001	7	5	1.91	< 10	< 1	0.10	< 10	1.03	0.032	0.059	1.83	2	< 1	33	< 0.01	3	< 2	< 10	4	< 10	1	9	0.69
GC22-0599-001	7	5	2.03	< 10	< 1	0.09	< 10	1.04	0.034	0.059	1.87	< 2	< 1	34	< 0.01	3	< 2	< 10	4	< 10	1	7	0.80
GC22-0592-005	8	6	2.16	< 10	< 1	0.13	< 10	1.17	0.037	0.056	2.10	7	< 1	44	< 0.01	2	< 2	< 10	4	< 10	2	9	1.00
1319063405	13	16	2.93	< 10	< 1	0.23	16	0.80	0.076	0.081	1.05	< 2	2	59	0.10	1	< 2	< 10	30	< 10	6	16	0.53
1319063082	7	4	1.86	< 10	< 1	0.16	15	0.79	0.030	0.062	1.52	3	< 1	27	< 0.01	< 1	< 2	< 10	7	< 10	2	6	0.75
GC22-0614-001	9	7	2.85	< 10	< 1	0.12	< 10	0.51	0.044	0.072	1.87	2	< 1	34	< 0.01	4	< 2	< 10	5	< 10	2	12	0.42
1319063100	7	4	2.02	< 10	< 1	0.18	12	0.41	0.016	0.060	2.04	4	< 1	18	< 0.01	< 1	< 2	< 10	3	< 10	3	13	0.56
GC22-0393-018	9	7	2.56	< 10	< 1	0.17	< 10	0.82	0.040	0.067	1.81	< 2	< 1	31	< 0.01	3	< 2	< 10	7	< 10	3	11	0.93
GC22-0566-006	9	8	3.65	< 10	< 1	0.12	11	0.87	0.102	0.047	2.21	3	1	102	< 0.01	< 1	< 2	< 10	14	< 10	3	20	0.14
GC22-0597-013	8	4	1.96	< 10	< 1	0.11	< 10	1.11	0.022	0.063	1.78	3	< 1	37	< 0.01	< 1	< 2	< 10	3	< 10	2	10	1.06
1319063084	7	7	1.97	< 10	< 1	0.23	14	0.93	0.061	0.062	1.43	2	< 1	42	< 0.01	< 1	< 2	< 10	7	< 10	2	5	0.65
1319064423	7	6	1.98	< 10	< 1	0.19	16	0.97	0.060	0.063	1.22	2	< 1	44	0.02	< 1	< 2	< 10	7	< 10	3	7	0.25
1317023037	8	7	2.61	< 10	< 1	0.21	12	0.79	0.014	0.072	1.18	2	< 1	13	0.02	< 1	< 2	< 10	6	< 10	3	13	0.07
GC22-0598-001	8	6	2.43	< 10	< 1	0.12	< 10	1.35	0.030	0.058	2.19	6	< 1	36	< 0.01	< 1	< 2	< 10	3	< 10	2	9	1.19
GC22-0606-001	13	18	3.38	< 10	< 1	0.17	14	1.13	0.066	0.084	1.27	3	3	46	0.07	< 1	< 2	< 10	37	< 10	4	12	0.99
GC22-0615-001	8	5	2.19	< 10	< 1	0.12	< 10	1.04	0.035	0.055	2.06	3	< 1	36	< 0.01	2	< 2	< 10	4	< 10	2	9	0.75
1319063187	29	139	5.84	< 10	< 1	0.22	21	1.90	0.134	0.134	1.63	3	7	121	0.25	4	< 2	< 10	104	< 10	9	16	0.39
GC22-0600-002	10	4	2.07	< 10	< 1	0.11	< 10	0.28	0.043	0.083	2.15	3	< 1	26	< 0.01	< 1	< 2	< 10	5	< 10	2	12	0.02
1319063136	7	7	1.92	< 10	< 1	0.26	17	0.80	0.049	0.067	1.08	2	1	32	0.08	< 1	< 2	< 10	11	< 10	3	17	0.25
F012554																							
F012542																							

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0435-009	2.01	
1317022123	1.87	
GC22-0447-003	1.66	
GC22-0557-009	1.43	
1317022077	1.71	
GC22-0509-009	1.96	
GC22-0552-010	1.70	
GC22-0440-007	1.99	
GC22-0546-011	1.11	
GC22-0556-004	1.97	
1317022089	1.88	
GC22-0494-010	1.49	
1319062073	1.82	
1317022026	2.02	
1319061016	0.61	
GC22-0513-002	1.14	
1319061041	0.44	
1319062043	1.39	
1317022029	1.99	
GC22-0512-001	1.56	
GC22-0454-007	1.55	
F011944		5.48
F011921		5.52
1319061317	0.38	
1319061303	2.09	
1319062450	0.18	
GC22-0453-001	0.87	
GC22-0508-009	1.37	
1317022025	2.10	
1319062433	1.57	
1431014108	0.96	
GC22-0372-004	0.97	
GC22-0434-010	1.92	
GC22-0499-009	1.90	
GC22-0455-013	2.88	
1319062417	1.98	
GC22-0538-010	1.53	
1319062048	2.08	
F011917		
F011926		
1319060017	1.32	
1313010004	3.18	
1431015041	1.44	
GC22-0580-014	1.11	
1431015047	1.12	
GC22-0579-011	2.20	
1319060190	2.33	
1319060292	1.36	
1319060018	1.44	
1319060169	1.59	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0587-012	1.14	
1319060071	1.47	
1431015117	0.69	
1319060315	1.09	
1319060115	1.42	
1319060086	1.33	
GC22-0430-010	2.09	
GC22-0441-002	2.71	
GC22-0427-001	2.76	
F011963		
F011924		
GC22-0436-008	1.72	
GC22-0448-007	1.32	
GC22-0666-015	1.54	
GC22-0446-001	1.37	
1319060236	2.25	
1319060173	2.37	
1319060078	1.82	
1319060077	1.76	
1431014033	3.47	
1317021038	4.07	
1317021023	2.17	
1319060030	0.73	
GC22-0444-011	11.3	
1431014025	1.31	
GC22-0498-011	1.80	
GC22-0449-004	1.20	
1317021099	1.99	
1431014079	4.27	
1317021073	1.91	
1431014146	2.43	
1431014124	2.88	
1431014114	3.25	
1431014086	2.27	
F011843		
F011969		
1319070108	0.35	
GC22-0786-011	2.19	
1319070095	1.34	
GC22-0736-007	2.39	
1319070043	0.25	
1312002039	2.55	
GC22-0698-002	1.34	
GC22-0707-003	1.85	
1319066084	0.62	
GC22-0737-006	1.11	
GC22-0864-004	1.98	
GC22-0863-004	1.31	
GC22-0719-012	2.02	
1319066331	2.02	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1319066070	0.42	
GC22-0733-003	0.77	
1319066342	1.71	
1319066110	0.44	
1319070113	2.31	
GC22-0745-014	1.54	
1319070518	1.48	
1319070188	0.86	
1319066091	0.11	
GC22-0866-002	1.24	
1319066094	0.39	
F012549		
1431016137	2.28	
GC22-0591-003	1.53	
1431016027	2.16	
GC22-0573-007	1.62	
GC22-0511-020	1.54	
GC22-2045-001	2.49	
GC22-0518-014	1.79	
GC22-0518-018	2.56	
1431016157	1.27	
1431017033	1.69	
1431017077	2.33	
GC22-0596-001	2.34	
GC22-0576-002	1.28	
GC22-0575-013	1.42	
GC22-0517-007	5.97	
1319063137	1.24	
1431017035	1.42	
1317022184	1.88	
GC22-0578-001	1.16	
1317022156	1.92	
GC22-0577-001	1.10	
F012544		5.66
GC22-0459-009	1.57	
1317022197	2.01	
1319061098	0.41	
1431016425	0.77	
1431016002	0.85	
GC22-0433-005	1.94	
GC22-0553-002	1.06	
GC22-0429-001	1.21	
GC22-0450-009	0.89	
GC22-0562-007	1.08	
1317022013	1.71	
1431016097	1.26	
GC22-0555-010	1.88	
GC22-0437-001	1.17	
GC22-0507-001	0.50	
GC22-0524-002	1.22	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1431016039	1.04	
1317022064	1.85	
1431016340	1.72	
GC22-0492-009FD	1.20	
GC22-0432-011	1.50	
GC22-0431-009FD	1.16	
GC22-0443-009FD	2.83	
GC22-0560-004	2.22	
GC22-0569-009	2.05	
F012543		
1319064064	1.84	
1319064003	1.49	
1319067815	1.25	
1319067808	1.32	
1319067604	1.54	
GC22-0632-011	4.44	
1319067803	1.11	
1319067625	0.83	
1319067694	0.80	
GC22-0643-004	5.07	
GC22-0722-011	3.03	
GC22-0728-004	4.44	
GC22-0549-009FD	7.56	
GC22-0510-009FD	2.33	
STUG22-0175	2.26	
GC22-0363-003	0.97	
1319068923	0.58	
GC22-0634-010	1.83	
1319067822	1.15	
GC22-0725-001	3.19	
GC22-0726-010	3.93	
1319067629	0.59	
GC22-0648-013	1.96	
F012548		
1319063228	0.38	
1319063189	0.85	
GC22-0610-001	1.74	
1317023001	2.40	
GC22-0613-014	1.55	
1317023009	2.07	
GC22-0628-011	2.29	
1317023087	1.58	
1317023063	1.49	
1319063419	2.54	
GC22-0604-004	1.54	
GC22-0617-002	1.72	
1319064462	1.01	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0616-009	1.93	21.4
GC22-0621-002	1.10	
1317023112	1.17	
GC22-0395-018	8.06	
GC22-0373-008	1.66	
GC22-0506-016	5.69	
GC22-0363-008	0.96	
GC22-0361-020	3.18	
GC22-0519-018	0.48	
STUG22-0229	1.83	
GC22-0646-010	7.10	
GC22-0653-002	0.57	
1319068955	1.35	
GC22-0652-004	3.35	
GC22-0645-002	7.50	
GC22-0723-009	2.96	
GC22-0644-002	5.27	
GC22-0647-012	2.03	
GC22-0724-012	7.85	
GC22-0650-002	7.55	
F012547		
1319065100	0.67	
GC22-0750-002	1.81	
STUG22-0489	2.08	
1319065009	0.47	
STUG22-0554	2.07	
GC22-0676-002	2.25	
1432019046	3.13	
GC22-0689-005	2.72	
GC22-0681-009FD	0.16	
GC22-0684-013	1.05	
GC22-0685-020	1.22	
1432019289	1.42	
1319065361	0.32	
STUG22-0293	1.70	
GC22-0681-019	3.00	
GC22-0674-002	1.22	
F012546		
1319064109	1.90	
GC22-0623-004	1.91	
1319064449	1.47	
GC22-0612-021	1.72	
1319064071	1.96	
GC22-0626-006	1.38	
GC22-0594-011	1.63	
GC22-0609-001	1.85	
1319064408	1.40	
GC22-0630-012	0.98	
GC22-0641-004	1.85	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1317023146	1.91	
GC22-0627-002	1.56	
1319064031	2.08	
GC22-0649-007	1.86	
1317023131	1.99	
1319064150	1.25	
1319064022	2.10	
1319064451	1.76	
GC22-0618-007	1.12	
GC22-0633-003	2.10	
GC22-0635-011	1.23	
GC22-0392-004	2.08	
GC22-0612-014	1.87	
F012545		
1319065169	0.17	
GC22-0694-006	4.05	
STUG22-1161	1.99	
1319071045	1.79	
1319071054	1.57	
1319069017	0.50	
1319065310	0.39	
1319065051	0.79	
1319065066	0.25	
1319065349	0.79	
1319066056	0.38	
1319065370	0.33	
1319070189	0.87	
1319065328	0.83	
GC22-0690-001	1.30	
1319066013	0.64	
1319065030	0.68	
F012559		
GC22-0401-010	4.50	
1431016205	1.68	
STUG22-0343	2.41	
GC22-0394-005	1.01	
GC22-0402-005	1.28	
GC22-0663-021	5.51	
GC22-0403-019	3.28	
GC22-0655-004	5.41	
GC22-0460-021	4.35	
GC22-5046-024	3.16	
GC22-0402-003	2.61	
GC22-0377-002	3.26	
GC22-0415-012	9.37	
GC22-0378-011	5.36	
GC22-0416-012	2.78	
GC22-0480-020	0.54	
STUG22-0066	1.97	
GC22-5068-021	2.72	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
STUG22-0069	2.11	
GC22-0477-015	2.58	
GC22-0416-004	8.20	
GC22-0402-004	1.89	
F012558		
GC22-0481-021	2.69	
GC22-5072-016	0.50	
1432019150	2.27	
1432019029	6.24	
1432019349	7.52	
GC22-5077-023	1.74	
1432019161	4.89	
GC22-0712-002	1.63	
1432019211	3.77	
GC22-0661-013	2.38	
STUG22-0445	2.10	
1432019045	6.82	
1432019182	1.41	
1432019201	1.69	
GC22-0711-001	1.17	
1432019282	6.25	
1432019302	3.81	
1432019125	1.96	
1431016331	4.30	
1432019069	1.59	
GC22-5090-016	0.08	
1432019234	5.59	
GC22-0679-011	1.20	
F012557		5.75
GC22-0539-013	3.05	
GC22-0571-013	1.17	
GC22-2101-013	1.10	
GC22-0595-004	1.72	
1319063113	0.17	
1319063081	1.57	
GC22-0563-001	1.81	
GC22-0599-001	1.84	
GC22-0592-005	2.05	
1319063405	1.11	
1319063082	1.49	
GC22-0614-001	1.84	
1319063100	1.97	
GC22-0393-018	1.80	
GC22-0566-006	2.18	240
GC22-0597-013	1.73	
1319063084	1.44	
1319064423	1.23	
1317023037	1.15	
GC22-0598-001	2.09	
GC22-0606-001	1.27	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0615-001	1.97	
1319063187	1.72	
GC22-0600-002	2.09	
1319063136	1.08	
F012554		
F012542		

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas									0.2	< 0.5	69	1090	1	21	96	124	6.91	244	28	748	1.0	< 2	0.12
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
BaSO4 Meas								41.9															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.5															
BaSO4 Cert								41.94															
BaSO4 Meas								40.8															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.6															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.5															
BaSO4 Cert								41.94															
BaSO4 Meas								40.4															
BaSO4 Cert								41.94															
BaSO4 Meas								42.1															
BaSO4 Cert								41.94															
BaSO4 Meas								40.4															
BaSO4 Cert								41.94															
BaSO4 Meas								42.4															
BaSO4 Cert								41.94															
BaSO4 Meas								42.3															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								41.5															
BaSO4 Cert								41.94															
BaSO4 Meas								40.9															
BaSO4 Cert								41.94															
BaSO4 Meas								41.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								40.4															
BaSO4 Cert								41.94															
BaSO4 Meas								42.4															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								40.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Cert								41.94															
BaSO4 Meas								40.6															
BaSO4 Cert								41.94															
BaSO4 Meas								41.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								40.4															
BaSO4 Cert								41.94															
OREAS 98 (Aqua Regia) Meas									40.3		> 10000				272	1140						34	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
OREAS 98 (Aqua Regia) Meas									41.3		> 10000				279	1170						35	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
RTS-3a Meas								28.9															
RTS-3a Cert								29.90															
RTS-3a Meas								29.2															
RTS-3a Cert								29.90															
RTS-3a Meas								29.1															
RTS-3a Cert								29.90															
RTS-3a Meas								29.2															
RTS-3a Cert								29.90															
RTS-3a Meas								29.1															
RTS-3a Cert								29.90															
RTS-3a Meas								28.9															
RTS-3a Cert								29.90															
RTS-3a Meas								29.5															
RTS-3a Cert								29.90															
RTS-3a Meas								29.2															
RTS-3a Cert								29.90															
RTS-3a Meas								29.0															
RTS-3a Cert								29.90															
RTS-3a Meas								29.5															
RTS-3a Cert								29.90															
RTS-3a Meas								29.2															
RTS-3a Cert								29.90															
RTS-3a Meas								28.9															
RTS-3a Cert								29.90															
RTS-3a Meas								28.9															
RTS-3a Cert								29.90															
RTS-3a Meas								29.1															
RTS-3a Cert								29.90															
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas								0.20															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.11															
SiO2 Cert																							
SiO2 Meas								0.11															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.08															
SiO2 Cert																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SiO2 Meas								0.08															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.20															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
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SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas				8.47																			
NBM-1 (slight fzz) Cert				8.53																			
NBM-1 (slight fzz) Meas				8.55																			
NBM-1 (slight fzz) Cert				8.53																			
NBM-1 (slight fzz) Meas				8.46																			
NBM-1 (slight fzz) Cert				8.53																			
NBM-1 (slight fzz) Meas				8.50																			
NBM-1 (slight fzz) Cert				8.53																			
NBM-1 (slight fzz) Meas				8.60																			
NBM-1 (slight fzz) Cert				8.53																			
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2150	747	< 1	33	60	251	2.70	5		68	0.7	11	0.35
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2300	784	< 1	35	62	260	2.80	3		72	0.8	10	0.37
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA)									0.6	< 0.5	2280	787	< 1	35	63	255	2.79	5		73	0.8	6	0.37

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 923 (AQUA REGIA) Meas									1.5	< 0.5	4270	860	< 1	30	87	328	2.77	4		57	0.7	22	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.4	< 0.5	4450	888	< 1	31	77	333	2.80	6		57	0.7	16	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.4	< 0.5	4420	880	< 1	31	81	335	2.82	5		57	0.7	17	0.37
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
Oreas 96 (Aqua Regia) Meas									11.0		> 10000				88	407						27	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									11.0		> 10000				90	408						7	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									11.5		> 10000				91	416						46	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas											336	163	2	220	10	25	6.49			129	1.1	< 2	0.06
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											348	171	< 1	224	10	25	6.71			137	1.1	< 2	0.06
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											354	171	< 1	223	10	26	6.74			139	1.1	2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 238 (Fire Assay) Meas	3170																						
OREAS 238 (Fire	3030																						

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																							
OREAS 238 (Fire Assay) Meas	3140																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3180																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3160																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3110																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3190																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3090																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3120																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2970																						
OREAS 238 (Fire Assay) Cert	3030																						
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
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GS316-3 Meas																							
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GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	502																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	508																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	501																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	517																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	522																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	527																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	523																						
Oreas E1336 (Fire Assay) Cert	510																						

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas E1336 (Fire Assay) Meas	495																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	496																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	522																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	516																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	502																						
Oreas E1336 (Fire Assay) Cert	510																						
GS317-5 Meas																							
GS317-5 Cert																							
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GS317-5 Meas																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									40.3	162	1730	429	9	15	> 5000	> 10000	1.16	47		< 10	0.7	< 2	1.21
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									40.6	165	1820	450	10	14	> 5000	> 10000	1.22	48		10	0.7	< 2	1.26
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									41.6	166	1850	452	9	14	> 5000	> 10000	1.22	50		11	0.7	< 2	1.28
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
GC22-0556-004 Orig	76							0.49															
GC22-0556-004 Dup	73							0.49															
1319062073 Orig									5.6	1.3	64	580	< 1	15	285	490	0.48	94	29	20	< 0.5	< 2	0.96
1319062073 Dup									5.5	1.3	67	582	< 1	13	275	495	0.48	114	24	20	< 0.5	< 2	0.96
1317022029 Orig								0.54															
1317022029 Dup								0.52															
GC22-0512-001 Orig	91																						
GC22-0512-001 Dup	83																						
GC22-0454-007 Orig																							
GC22-0454-007 Dup																							
1317022025 Orig									0.3	0.6	27	519	< 1	9	11	215	1.57	14	23	24	< 0.5	< 2	0.78
1317022025 Dup									0.5	0.6	27	531	1	11	12	215	1.63	13	30	25	< 0.5	< 2	0.80
1431014108 Orig	34																						
1431014108 Dup	33																						
GC22-0434-010 Orig																							
GC22-0434-010 Dup																							
GC22-0499-009 Orig								0.40															
GC22-0499-009 Dup								0.43															
1313010004 Orig	575																						
1313010004 Dup	617																						
GC22-0580-014 Orig									0.6	< 0.5	18	831	< 1	10	15	92	1.23	87	31	24	< 0.5	< 2	1.89
GC22-0580-014 Dup									0.5	< 0.5	17	831	< 1	10	13	92	1.22	88	32	24	< 0.5	< 2	1.90

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1431015047 Orig								0.38															
1431015047 Dup								0.38															
GC22-0579-011 Orig																							
GC22-0579-011 Dup																							
1319060169 Orig		Slight	-19.9		25.2	0.558	45.16																
1319060169 Dup		Slight	-19.9		25.2	0.558	45.16																
1319060315 Orig	89																						
1319060315 Dup	81																						
1319060086 Orig																							
1319060086 Dup																							
GC22-0441-002 Orig								0.54	22.3	1.6	69	352	< 1	10	70	509	0.50	72	22	20	< 0.5	< 2	1.43
GC22-0441-002 Dup								0.58	22.0	1.6	67	345	< 1	10	64	494	0.49	72	26	21	< 0.5	< 2	1.42
1319060173 Orig	897																						
1319060173 Dup	1180																						
1319060077 Orig								0.49															
1319060077 Dup								0.50															
GC22-0498-011 Orig				8.81																			
GC22-0498-011 Dup				8.85																			
1431014079 Orig																							
1431014079 Dup																							
1317021073 Orig	328																						
1317021073 Dup	337																						
1431014124 Orig								0.94															
1431014124 Dup								0.94															
1431014114 Orig									< 0.2	< 0.5	55	942	7	28	3	97	1.56	5	23	27	< 0.5	< 2	1.67
1431014114 Dup									< 0.2	< 0.5	55	943	8	28	3	98	1.55	4	22	28	< 0.5	< 2	1.67
GC22-0736-007 Orig	227																						
GC22-0736-007 Dup	228																						
1312002039 Orig																							
1312002039 Dup																							
GC22-0698-002 Orig								0.57															
GC22-0698-002 Dup								0.60															
GC22-0719-012 Orig									0.8	18.5	31	410	< 1	10	15	4360	0.66	74	24	27	< 0.5	< 2	1.01
GC22-0719-012 Dup									0.8	18.6	32	410	< 1	11	18	4380	0.69	82	27	29	< 0.5	< 2	1.01
1319066331 Orig		Slight	11.7		55.8	1.27	44.10																
1319066331 Dup		Slight	11.7		55.8	1.27	44.10																
1319066070 Orig	47																						
1319066070 Dup	44																						
GC22-0733-003 Orig																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0733-003 Dup																							
GC22-0745-014 Orig								0.47															
GC22-0745-014 Dup								0.45															
1431016137 Orig	57								< 0.2	< 0.5	88	452	< 1	30	< 2	54	1.50	< 2	24	34	< 0.5	< 2	2.63
1431016137 Dup	58								< 0.2	< 0.5	86	437	< 1	31	3	52	1.45	3	21	33	< 0.5	< 2	2.58
GC22-0591-003 Orig																							
GC22-0591-003 Dup																							
GC22-0573-007 Orig								0.40															
GC22-0573-007 Dup								0.43															
GC22-0596-001 Orig	617																						
GC22-0596-001 Dup	655																						
GC22-0517-007 Orig									0.6	< 0.5	34	2120	< 1	60	6	174	3.48	34	21	16	< 0.5	4	3.04
GC22-0517-007 Dup									0.7	< 0.5	34	2100	< 1	61	4	171	3.43	34	21	17	< 0.5	< 2	3.12
1431017035 Orig								0.71															
1431017035 Dup								0.71															
1317022197 Orig																							
1317022197 Dup																							
1319061098 Orig	58																						
1319061098 Dup	74																						
1431016002 Orig								0.35															
1431016002 Dup								0.38															
GC22-0562-007 Orig									0.3	< 0.5	17	667	< 1	9	67	113	1.94	46	27	31	< 0.5	< 2	1.33
GC22-0562-007 Dup									0.4	< 0.5	18	662	< 1	8	70	117	1.94	48	27	31	< 0.5	< 2	1.32
1431016097 Orig																							
1431016097 Dup																							
GC22-0437-001 Orig		Slight	-11.6		21.0	0.644	32.56																
GC22-0437-001 Dup		Slight	-11.7		20.9	0.640	32.56																
GC22-0524-002 Orig	182			8.86																			
GC22-0524-002 Dup	175			8.86																			
1317022064 Orig								0.65															
1317022064 Dup								0.65															
GC22-0443-009FD Orig																							
GC22-0443-009FD Dup																							
GC22-0560-004 Orig									2.6	3.1	59	1590	1	7	920	1250	0.30	171	24	28	< 0.5	< 2	1.87

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0560-004 Dup									2.7	3.1	56	1600	1	7	903	1210	0.30	195	29	30	< 0.5	< 2	1.89
GC22-0569-009 Orig	123																						
GC22-0569-009 Dup	133																						
1319064003 Orig								0.47															
1319064003 Dup								0.47															
1319067803 Orig																							
1319067803 Dup																							
1319067625 Orig																							
1319067625 Dup																							
GC22-0722-011 Orig	48																						
GC22-0722-011 Dup	46																						
GC22-0728-004 Orig									0.4	< 0.5	95	2280	< 1	60	< 2	390	3.90	3	18	13	< 0.5	4	0.39
GC22-0728-004 Dup									0.4	< 0.5	96	2320	< 1	59	< 2	395	3.92	2	17	13	< 0.5	3	0.39
STUG22-0175 Orig								0.63															
STUG22-0175 Dup								0.62															
1319067822 Orig																							
1319067822 Dup																							
1319067629 Orig	120																						
1319067629 Dup	123																						
1319063228 Orig								0.32															
1319063228 Dup								0.32															
GC22-0610-001 Orig									2.5	< 0.5	35	818	< 1	10	19	62	1.11	20	20	23	< 0.5	< 2	1.99
GC22-0610-001 Dup									2.6	< 0.5	37	824	< 1	11	26	60	1.13	18	21	23	< 0.5	< 2	2.01
GC22-0613-014 Orig																							
GC22-0613-014 Dup																							
1317023009 Orig																							
1317023009 Dup																							
1319063419 Orig	50																						
1319063419 Dup	50																						
GC22-0617-002 Orig		Slight	-28.0		19.7	0.412	47.65																
GC22-0617-002 Dup		Slight	-27.8		19.9	0.417	47.65																
GC22-0616-009 Orig								0.50															
GC22-0616-009 Dup								0.53															
GC22-0395-018 Orig	277																						
GC22-0395-018 Dup	276																						

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0519-018 Orig	13																						
GC22-0519-018 Dup	15																						
STUG22-0229 Orig								0.38															
STUG22-0229 Dup								0.38															
1319068955 Orig									0.7	< 0.5	34	1080	< 1	16	35	146	1.56	33	21	39	< 0.5	< 2	2.15
1319068955 Dup									0.7	< 0.5	37	1110	< 1	17	36	146	1.63	31	22	41	< 0.5	< 2	2.20
GC22-0652-004 Orig																							
GC22-0652-004 Dup																							
1319065100 Orig	48																						
1319065100 Dup	50																						
STUG22-0489 Orig								0.47															
STUG22-0489 Dup								0.41															
STUG22-0489 Orig								0.42															
STUG22-0489 Dup								0.38															
STUG22-0554 Orig				8.11																			
STUG22-0554 Dup				8.11																			
1432019046 Orig									1.1	< 0.5	70	1150	< 1	50	< 2	185	1.71	14	17	21	< 0.5	< 2	2.38
1432019046 Dup									1.1	< 0.5	72	1150	1	49	2	180	1.72	15	21	25	< 0.5	< 2	2.46
GC22-0685-020 Orig	31																						
GC22-0685-020 Dup	31																						
1432019289 Orig								0.58															
1432019289 Dup								0.60															
GC22-0681-019 Orig																							
GC22-0681-019 Dup																							
GC22-0612-021 Orig									2.2	2.5	40	1100	< 1	8	65	597	0.88	36	21	26	< 0.5	< 2	1.75
GC22-0612-021 Dup									2.0	2.3	40	1070	< 1	7	64	578	0.84	35	18	25	< 0.5	< 2	1.72
1319064071 Orig	2300																						
1319064071 Dup	2190																						
GC22-0609-001 Orig								0.44															
GC22-0609-001 Dup								0.45															
1319064408 Orig		Slight	-1.74		34.1	0.952	35.89	0.77															
1319064408 Dup		Slight	-1.78		34.1	0.950	35.89	0.72															
GC22-0630-012 Orig																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0630-012 Dup																							
1317023146 Orig																							
1317023146 Dup																							
1317023131 Orig	585																						
1317023131 Dup	697																						
1319064022 Orig								0.68	1.5	8.8	59	716	< 1	6	160	2010	0.88	110	22	34	< 0.5	< 2	0.70
1319064022 Dup								0.62	1.3	8.7	61	701	< 1	6	153	1970	0.87	113	19	34	< 0.5	< 2	0.69
1319064022 Orig								0.66															
1319064022 Dup								0.71															
GC22-0618-007 Orig																							
GC22-0618-007 Dup																							
GC22-0618-007 Orig																							
GC22-0618-007 Dup																							
GC22-0633-003 Orig																							
GC22-0633-003 Dup																							
1319069017 Orig																							
1319069017 Dup																							
1319065310 Orig								0.35															
1319065310 Dup								0.36															
1319065349 Orig									0.3	1.1	32	480	1	10	3	304	1.26	12	25	72	< 0.5	< 2	1.32
1319065349 Dup									0.2	1.0	31	480	1	9	3	302	1.25	15	25	68	< 0.5	< 2	1.32
1319066013 Orig	28							1.01															
1319066013 Dup	30							0.94															
1319065030 Orig																							
1319065030 Dup																							
GC22-0403-019 Orig									0.5	2.1	115	1870	1	78	< 2	1520	3.00	15	18	27	< 0.5	4	3.39
GC22-0403-019 Dup									0.4	2.1	115	1850	1	77	4	1500	2.93	16	14	28	< 0.5	6	2.96
GC22-0402-003 Orig	570																						
GC22-0402-003 Dup	567																						
GC22-0377-002 Orig								2.74															
GC22-0377-002 Dup								2.62															
GC22-0378-011 Orig		Slight	-65.7		73.7	0.528	139.40																
GC22-0378-011 Dup		Slight	-70.0		69.4	0.498	139.40																
GC22-5068-021 Orig				7.21																			
GC22-5068-021 Dup				7.21																			
GC22-0477-015									0.3	< 0.5	10	493	< 1	7	4	58	2.81	37	19	24	< 0.5	< 2	1.33

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Orig																							
GC22-0477-015 Dup									0.3	< 0.5	10	480	< 1	7	4	55	2.75	33	19	21	< 0.5	< 2	1.29
GC22-0416-004 Orig								2.48															
GC22-0416-004 Dup								2.51															
1432019211 Orig	175																						
1432019211 Dup	168																						
GC22-0661-013 Orig																							
GC22-0661-013 Dup																							
1432019045 Orig								2.86	0.2	< 0.5	106	1190	1	38	< 2	184	1.74	7	14	< 10	< 0.5	4	1.38
1432019045 Dup								3.47	< 0.2	< 0.5	109	1200	1	39	2	186	1.74	5	17	10	< 0.5	3	1.46
1432019069 Orig	205																						
1432019069 Dup	208																						
GC22-5090-016 Orig								0.14															
GC22-5090-016 Dup								0.15															
GC22-0599-001 Orig	324																						
GC22-0599-001 Dup	357																						
1319063082 Orig								0.52															
1319063082 Dup								0.50															
GC22-0614-001 Orig									1.7	< 0.5	20	2320	< 1	12	8	165	1.12	41	17	23	< 0.5	< 2	0.63
GC22-0614-001 Dup									1.8	< 0.5	20	2370	< 1	12	7	170	1.16	41	18	25	< 0.5	< 2	0.64
GC22-0566-006 Orig		Slight	-39.9		22.2	0.358	62.09																
GC22-0566-006 Dup		Slight	-40.4		21.7	0.349	62.09																
1319064423 Orig																							
1319064423 Dup																							
1317023037 Orig																							
1317023037 Dup																							
GC22-0598-001 Orig								0.67															
GC22-0598-001 Dup								0.63															
1319063187 Orig			-4.16		40.6	0.907	44.77																
1319063187 Dup			-5.20		39.6	0.884	44.77																
GC22-0600-002 Orig								0.60															
GC22-0600-002 Dup								0.46															
GC22-0600-002 Orig								0.46															
1319063136 Orig		Slight	-6.69	9.17	21.9	0.766	28.63																
1319063136 Dup		Slight	-6.38	9.17	22.2	0.777	28.63																

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	37	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	36	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	34	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	32	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	1	< 2	< 2	< 0.01	< 2	44	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	39	< 10	< 0.5	< 2	< 0.01
Method Blank	< 5																						
Method Blank	< 5																						
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Method Blank																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GXR-6 Meas	14	80	5.79	20	< 1	1.01	< 10	0.39	0.061	0.056	0.01	7	19	28		< 1	< 2	< 10	165	< 10	5	10	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
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Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas	105											18											
OREAS 98 (Aqua Regia) Cert	111											15											
OREAS 98 (Aqua Regia) Meas	105											19											
OREAS 98 (Aqua Regia) Cert	111											15											
RTS-3a Meas																							
RTS-3a Cert																							
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RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.15
GS311-4 Cert																							1.11
GS311-4 Meas																							1.15
GS311-4 Cert																							1.11
GS311-4 Meas																							1.13
GS311-4 Cert																							1.11
GS311-4 Meas																							1.14
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas																							< 0.01
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SiO2 Meas																							< 0.01
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SiO2 Meas																							< 0.01
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Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
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SiO2 Meas																							< 0.01
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SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
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NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	19	43	5.06	< 10		0.38	33	1.27	0.019	0.098	0.37	3	3	16			< 2	< 10	31	< 10	20	19	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	44	5.32	< 10		0.39	35	1.33	0.020	0.104	0.38	< 2	4	17			< 2	< 10	32	< 10	21	20	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	44	5.26	< 10		0.39	35	1.32	0.020	0.103	0.38	3	3	17			< 2	< 10	32	< 10	21	18	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	22	40	5.90	< 10		0.33	31	1.37		0.096	0.67	3	3	14			< 2	< 10	31	< 10	19	26	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
OREAS 923 (AQUA REGIA) Meas	23	41	6.09	< 10		0.32	32	1.41		0.098	0.68	3	3	15			< 2	< 10	31	< 10	19	26	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	23	41	6.10	< 10		0.33	31	1.41		0.097	0.69	3	3	15			< 2	< 10	31	< 10	19	20	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas	46										3.81	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	48										3.93	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	48										4.11	7											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	39	336	13.4	20	1	0.09	< 10	0.16	0.032	0.032	0.02		26	14	0.14		< 2	< 10	189		5	18	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	40	350	13.8	20	2	0.09	< 10	0.17	0.033	0.033	0.02		27	14	0.15		< 2	< 10	201		5	21	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	41	352	14.0	20	< 1	0.09	< 10	0.17	0.034	0.033	0.02		27	14	0.15		< 2	< 10	201		5	20	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
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OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
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Oreas E1336 (Fire Assay) Meas																							
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Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							8.41
GS317-5 Cert																							8.46
GS317-5 Meas																							8.25
GS317-5 Cert																							8.46
GS317-5 Meas																							8.14
GS317-5 Cert																							8.46
GS317-5 Meas																							8.26
GS317-5 Cert																							8.46
GS317-5 Meas																							8.10
GS317-5 Cert																							8.46
GS317-5 Meas																							8.19
GS317-5 Cert																							8.46
GS317-5 Meas																							8.32
GS317-5 Cert																							8.46
GS317-5 Meas																							8.31
GS317-5 Cert																							8.46
GS317-5 Meas																							8.41
GS317-5 Cert																							8.46
GS317-5 Meas																							8.24
GS317-5 Cert																							8.46
GS317-5 Meas																							8.08
GS317-5 Cert																							8.46
GS317-5 Meas																							8.37
GS317-5 Cert																							8.46
GS317-5 Meas																							8.35
GS317-5 Cert																							8.46
GS317-5 Meas																							8.24
GS317-5 Cert																							8.46
GS317-5 Meas																							8.12
GS317-5 Cert																							8.46
GS317-5 Meas																							8.32
GS317-5 Cert																							8.46
GS317-5 Meas																							8.24
GS317-5 Cert																							8.46
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas	13	17	2.59	< 10	2	0.27	24	0.26	0.113	0.046	2.52	63		19			< 2	< 10	8	< 10	8	36	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	18	2.71	< 10	2	0.29	25	0.27	0.118	0.049	2.61	64		20			< 2	< 10	8	< 10	9	47	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	17	2.72	< 10	2	0.28	25	0.28	0.119	0.051	2.65	61		20			< 2	< 10	8	< 10	9	58	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
GC22-0556-004																							1.02

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Orig																							
GC22-0556-004 Dup																							1.01
1319062073 Orig	12	4	2.01	< 10	< 1	0.19	14	0.17	0.011	0.067	1.89	4	< 1	17	< 0.01	< 1	< 2	< 10	3	< 10	2	19	
1319062073 Dup	12	5	1.99	< 10	< 1	0.19	14	0.17	0.010	0.067	1.86	3	< 1	17	< 0.01	< 1	< 2	< 10	3	< 10	2	18	
1317022029 Orig																							
1317022029 Dup																							
GC22-0512-001 Orig																							
GC22-0512-001 Dup																							
GC22-0454-007 Orig																							1.03
GC22-0454-007 Dup																							1.02
1317022025 Orig	9	7	2.31	< 10	< 1	0.09	16	0.53	0.050	0.071	2.13	< 2	< 1	41	< 0.01	1	< 2	< 10	7	< 10	2	16	
1317022025 Dup	9	6	2.37	< 10	< 1	0.09	17	0.54	0.053	0.072	2.15	3	< 1	42	< 0.01	1	< 2	< 10	7	< 10	2	16	
1431014108 Orig																							
1431014108 Dup																							
GC22-0434-010 Orig																							0.61
GC22-0434-010 Dup																							0.61
GC22-0499-009 Orig																							
GC22-0499-009 Dup																							
1313010004 Orig																							
1313010004 Dup																							
GC22-0580-014 Orig	10	5	2.09	< 10	< 1	0.18	25	0.85	0.022	0.084	1.07	2	< 1	16	< 0.01	1	< 2	< 10	8	< 10	3	11	
GC22-0580-014 Dup	11	5	2.13	< 10	< 1	0.18	25	0.87	0.023	0.085	1.09	< 2	< 1	16	< 0.01	< 1	< 2	< 10	8	< 10	3	15	
1431015047 Orig																							
1431015047 Dup																							
GC22-0579-011 Orig																							0.77
GC22-0579-011 Dup																							0.76
1319060169 Orig																							
1319060169 Dup																							
1319060315 Orig																							
1319060315 Dup																							
1319060086 Orig																							0.27
1319060086 Dup																							0.26
GC22-0441-002 Orig	8	5	2.82	< 10	< 1	0.20	18	0.20	0.013	0.076	3.11	3	< 1	13	< 0.01	< 1	< 2	< 10	3	< 10	2	11	
GC22-0441-002 Dup	8	4	2.73	< 10	< 1	0.20	18	0.19	0.013	0.077	3.02	4	< 1	13	< 0.01	< 1	< 2	< 10	3	< 10	2	11	
1319060173 Orig																							
1319060173 Dup																							
1319060077 Orig																							1.20
1319060077 Dup																							1.19
GC22-0498-011 Orig																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0498-011 Dup																							
1431014079 Orig																							0.48
1431014079 Dup																							0.48
1317021073 Orig																							
1317021073 Dup																							
1431014124 Orig																							
1431014124 Dup																							
1431014114 Orig	17	11	4.17	< 10	< 1	0.09	18	1.43	0.052	0.104	3.32	3	2	57	< 0.01	2	< 2	< 10	16	< 10	5	17	
1431014114 Dup	17	10	4.15	< 10	< 1	0.09	18	1.41	0.052	0.104	3.27	< 2	2	57	< 0.01	< 1	< 2	< 10	16	< 10	5	17	
GC22-0736-007 Orig																							
GC22-0736-007 Dup																							
1312002039 Orig																							0.16
1312002039 Dup																							0.16
GC22-0698-002 Orig																							
GC22-0698-002 Dup																							
GC22-0719-012 Orig	9	4	1.94	< 10	< 1	0.25	12	0.19	0.018	0.070	2.17	< 2	< 1	16	< 0.01	1	< 2	< 10	3	< 10	2	16	
GC22-0719-012 Dup	9	4	1.95	< 10	< 1	0.26	12	0.19	0.020	0.069	2.13	2	< 1	16	< 0.01	< 1	< 2	< 10	4	< 10	2	17	
1319066331 Orig																							
1319066331 Dup																							
1319066070 Orig																							
1319066070 Dup																							
GC22-0733-003 Orig																							0.46
GC22-0733-003 Dup																							0.47
GC22-0745-014 Orig																							
GC22-0745-014 Dup																							
1431016137 Orig	11	27	3.45	< 10	< 1	0.09	< 10	1.26	0.074	0.084	2.43	3	2	76	< 0.01	3	< 2	< 10	16	< 10	3	11	
1431016137 Dup	11	26	3.37	< 10	< 1	0.09	< 10	1.23	0.072	0.083	2.35	< 2	2	74	< 0.01	< 1	< 2	< 10	16	< 10	3	11	
GC22-0591-003 Orig																							0.03
GC22-0591-003 Dup																							0.02
GC22-0573-007 Orig																							
GC22-0573-007 Dup																							
GC22-0596-001 Orig																							0.82
GC22-0596-001 Dup																							0.82
GC22-0517-007 Orig	37	51	10.2	10	2	0.09	< 10	3.20	0.027	0.102	5.60	5	9	41	0.01	< 1	< 2	< 10	127	< 10	11	7	
GC22-0517-007 Dup	37	50	10.1	10	2	0.09	< 10	3.15	0.027	0.101	5.63	5	9	41	0.01	< 1	< 2	< 10	126	< 10	11	7	
1431017035 Orig																							
1431017035 Dup																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1317022197 Orig																							0.61
1317022197 Dup																							0.62
1319061098 Orig																							
1319061098 Dup																							
1431016002 Orig																							
1431016002 Dup																							
GC22-0562-007 Orig	8	7	2.00	< 10	< 1	0.19	16	1.13	0.094	0.070	1.17	2	< 1	59	< 0.01	< 1	< 2	< 10	8	< 10	2	9	
GC22-0562-007 Dup	7	7	2.00	< 10	< 1	0.19	15	1.13	0.095	0.071	1.16	3	< 1	59	< 0.01	< 1	< 2	< 10	9	< 10	2	10	
1431016097 Orig																							0.70
1431016097 Dup																							0.70
GC22-0437-001 Orig																							
GC22-0437-001 Dup																							
GC22-0524-002 Orig																							
GC22-0524-002 Dup																							
1317022064 Orig																							
1317022064 Dup																							
GC22-0443-009FD Orig																							0.54
GC22-0443-009FD Dup																							0.55
GC22-0560-004 Orig	9	5	2.35	< 10	< 1	0.17	< 10	0.62	0.008	0.070	2.34	3	< 1	129	< 0.01	< 1	< 2	< 10	2	< 10	2	17	
GC22-0560-004 Dup	9	5	2.37	< 10	< 1	0.17	< 10	0.63	0.009	0.069	2.38	3	< 1	128	< 0.01	< 1	< 2	< 10	2	< 10	2	17	
GC22-0569-009 Orig																							
GC22-0569-009 Dup																							
1319064003 Orig																							
1319064003 Dup																							
1319067803 Orig																							0.39
1319067803 Dup																							0.40
1319067625 Orig																							0.34
1319067625 Dup																							0.32
GC22-0722-011 Orig																							
GC22-0722-011 Dup																							
GC22-0728-004 Orig	42	74	10.3	10	< 1	0.04	< 10	2.47	0.030	0.127	4.03	6	10	21	< 0.01	< 1	< 2	< 10	166	< 10	12	6	
GC22-0728-004 Dup	43	75	10.4	10	2	0.04	< 10	2.50	0.030	0.128	4.13	4	10	20	< 0.01	< 1	< 2	< 10	168	< 10	12	6	
STUG22-0175 Orig																							
STUG22-0175 Dup																							
1319067822 Orig																							0.62
1319067822 Dup																							0.62
1319067629 Orig																							
1319067629 Dup																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1319063228 Orig																							
1319063228 Dup																							
GC22-0610-001 Orig	7	6	2.01	< 10	< 1	0.10	< 10	1.17	0.036	0.058	1.82	4	< 1	39	< 0.01	6	< 2	< 10	5	< 10	2	7	
GC22-0610-001 Dup	8	6	2.05	< 10	< 1	0.10	< 10	1.19	0.037	0.059	1.88	4	< 1	39	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
GC22-0613-014 Orig																							
GC22-0613-014 Dup																							
1317023009 Orig																							0.53
1317023009 Dup																							0.53
1319063419 Orig																							
1319063419 Dup																							
GC22-0617-002 Orig																							
GC22-0617-002 Dup																							
GC22-0616-009 Orig																							
GC22-0616-009 Dup																							
GC22-0395-018 Orig																							2.18
GC22-0395-018 Dup																							2.18
GC22-0519-018 Orig																							
GC22-0519-018 Dup																							
STUG22-0229 Orig																							
STUG22-0229 Dup																							
1319068955 Orig	14	14	2.93	< 10	< 1	0.22	11	0.82	0.088	0.068	1.39	2	3	42	0.04	< 1	< 2	< 10	34	< 10	4	14	
1319068955 Dup	14	15	3.03	< 10	< 1	0.23	11	0.84	0.091	0.069	1.41	< 2	3	43	0.04	< 1	< 2	< 10	36	< 10	5	15	
GC22-0652-004 Orig																							1.77
GC22-0652-004 Dup																							1.76
1319065100 Orig																							
1319065100 Dup																							
STUG22-0489 Orig																							< 0.01
STUG22-0489 Dup																							< 0.01
STUG22-0489 Orig																							
STUG22-0489 Dup																							
STUG22-0554 Orig																							0.02
STUG22-0554 Dup																							0.02
1432019046 Orig	26	41	5.26	< 10	< 1	0.12	< 10	1.77	0.061	0.087	2.95	3	4	40	0.01	5	< 2	< 10	42	< 10	5	10	
1432019046 Dup	26	41	5.27	< 10	< 1	0.12	< 10	1.77	0.062	0.086	3.04	4	4	41	0.01	2	< 2	< 10	42	< 10	5	10	
GC22-0685-020																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Orig																							
GC22-0685-020 Dup																							
1432019289 Orig																							
1432019289 Dup																							
GC22-0681-019 Orig																							0.49
GC22-0681-019 Dup																							0.50
GC22-0612-021 Orig	8	5	2.20	< 10	< 1	0.15	< 10	1.04	0.032	0.062	1.76	2	< 1	46	< 0.01	2	< 2	< 10	4	< 10	2	10	0.98
GC22-0612-021 Dup	8	5	2.14	< 10	< 1	0.14	< 10	1.02	0.031	0.063	1.71	4	< 1	44	< 0.01	1	< 2	< 10	3	< 10	2	9	0.99
1319064071 Orig																							
1319064071 Dup																							
GC22-0609-001 Orig																							
GC22-0609-001 Dup																							
1319064408 Orig																							
1319064408 Dup																							
GC22-0630-012 Orig																							1.03
GC22-0630-012 Dup																							1.03
1317023146 Orig																							0.42
1317023146 Dup																							0.42
1317023131 Orig																							
1317023131 Dup																							
1319064022 Orig	7	5	2.07	< 10	< 1	0.25	15	0.46	0.012	0.069	1.49	3	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	2	12	
1319064022 Dup	7	5	2.03	< 10	< 1	0.25	15	0.45	0.012	0.067	1.47	2	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	2	14	
1319064022 Orig																							
1319064022 Dup																							
GC22-0618-007 Orig																							1.24
GC22-0618-007 Dup																							1.25
GC22-0618-007 Orig																							1.22
GC22-0618-007 Dup																							1.23
GC22-0633-003 Orig																							
GC22-0633-003 Dup																							
1319069017 Orig																							
1319069017 Dup																							
1319065310 Orig																							0.47
1319065310 Dup																							0.47
1319065349 Orig	12	15	2.63	< 10	< 1	0.37	12	0.77	0.059	0.064	0.83	< 2	2	27	0.09	< 1	< 2	< 10	21	< 10	4	19	
1319065349 Dup	12	14	2.62	< 10	< 1	0.37	12	0.77	0.059	0.064	0.83	3	2	26	0.09	< 1	< 2	< 10	20	< 10	4	19	
1319066013 Orig																							
1319066013 Dup																							
1319065030 Orig																							0.41
1319065030 Dup																							0.41

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0403-019 Orig	33	147	8.30	< 10	2	0.12	11	2.98	0.030	0.133	2.70	5	8	71	< 0.01	< 1	< 2	< 10	72	< 10	7	6	
GC22-0403-019 Dup	34	145	8.17	< 10	1	0.12	10	2.93	0.029	0.131	2.32	3	8	68	< 0.01	2	< 2	< 10	71	< 10	7	7	
GC22-0402-003 Orig																							1.89
GC22-0402-003 Dup																							1.89
GC22-0377-002 Orig																							
GC22-0377-002 Dup																							
GC22-0378-011 Orig																							
GC22-0378-011 Dup																							
GC22-5068-021 Orig																							
GC22-5068-021 Dup																							
GC22-0477-015 Orig	8	7	3.14	< 10	< 1	0.19	14	0.97	0.154	0.064	2.71	< 2	< 1	89	0.03	4	< 2	< 10	7	< 10	3	27	
GC22-0477-015 Dup	8	7	3.12	< 10	< 1	0.19	13	0.94	0.150	0.062	2.69	3	< 1	86	0.03	< 1	< 2	< 10	7	< 10	3	27	
GC22-0416-004 Orig																							0.39
GC22-0416-004 Dup																							0.38
1432019211 Orig																							
1432019211 Dup																							
GC22-0661-013 Orig																							0.48
GC22-0661-013 Dup																							0.47
1432019045 Orig	31	22	8.15	< 10	< 1	0.10	13	1.47	0.040	0.110	6.50	4	4	28	< 0.01	< 1	< 2	< 10	42	< 10	8	13	
1432019045 Dup	31	22	8.23	< 10	< 1	0.10	14	1.48	0.041	0.110	6.59	4	4	28	< 0.01	< 1	< 2	< 10	42	< 10	8	13	
1432019069 Orig																							1.64
1432019069 Dup																							1.65
GC22-5090-016 Orig																							
GC22-5090-016 Dup																							
GC22-0599-001 Orig																							0.80
GC22-0599-001 Dup																							0.80
1319063082 Orig																							
1319063082 Dup																							
GC22-0614-001 Orig	9	7	2.85	< 10	< 1	0.12	< 10	0.51	0.044	0.072	1.87	2	< 1	34	< 0.01	4	< 2	< 10	5	< 10	2	12	
GC22-0614-001 Dup	10	7	2.90	< 10	< 1	0.12	10	0.52	0.045	0.073	1.88	2	< 1	35	< 0.01	< 1	< 2	< 10	5	< 10	2	12	
GC22-0566-006 Orig																							
GC22-0566-006 Dup																							
1319064423 Orig																							0.25

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1319064423 Dup																							0.26
1317023037 Orig																							
1317023037 Dup																							
GC22-0598-001 Orig																							
GC22-0598-001 Dup																							
1319063187 Orig																							
1319063187 Dup																							
GC22-0600-002 Orig																							
GC22-0600-002 Dup																							
GC22-0600-002 Orig																							
1319063136 Orig																							
1319063136 Dup																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																							
Method Blank																							
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Method Blank																							

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GXR-6 Meas		
GXR-6 Cert		
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.6	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.6	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.5	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	13.8	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
SiO2 Meas	0.07	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.02	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.04	
SiO2 Cert		
SiO2 Meas	0.02	
SiO2 Cert		
SiO2 Meas	0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.01	
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
(AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.95
OREAS 229b (Fire Assay) Meas		11.4
OREAS 229b (Fire Assay) Cert		11.95
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
OREAS 257b (Fire Assay) Meas		14.9
OREAS 257b (Fire Assay) Cert		14.220
OREAS 257b (Fire Assay) Meas		14.5
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	15.1	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	
GS317-5 Cert	15.5	
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	14.4	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	
GS317-5 Cert	15.5	
GS317-5 Meas	14.6	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
GC22-0556-004 Orig	1.97	
GC22-0556-004 Dup	2.02	
1319062073 Orig		
1319062073 Dup		
1317022029 Orig		
1317022029 Dup		
GC22-0512-001 Orig		
GC22-0512-001 Dup		
GC22-0454-007 Orig	1.55	
GC22-0454-007 Dup	1.53	
1317022025 Orig		
1317022025 Dup		
1431014108 Orig		
1431014108 Dup		
GC22-0434-010 Orig	1.92	
GC22-0434-010 Dup	1.97	
GC22-0499-009 Orig		
GC22-0499-009 Dup		
1313010004 Orig		
1313010004 Dup		
GC22-0580-014 Orig		
GC22-0580-014 Dup		
1431015047 Orig		
1431015047 Dup		
GC22-0579-011 Orig	2.20	
GC22-0579-011 Dup	2.22	
1319060169 Orig		
1319060169 Dup		
1319060315 Orig		
1319060315 Dup		
1319060086 Orig	1.33	
1319060086 Dup	1.30	
GC22-0441-002		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Orig		
GC22-0441-002 Dup		
1319060173 Orig		
1319060173 Dup		
1319060077 Orig	1.76	
1319060077 Dup	1.76	
GC22-0498-011 Orig		
GC22-0498-011 Dup		
1431014079 Orig	4.27	
1431014079 Dup	4.17	
1317021073 Orig		
1317021073 Dup		
1431014124 Orig		
1431014124 Dup		
1431014114 Orig		
1431014114 Dup		
GC22-0736-007 Orig		
GC22-0736-007 Dup		
1312002039 Orig	2.55	
1312002039 Dup	2.60	
GC22-0698-002 Orig		
GC22-0698-002 Dup		
GC22-0719-012 Orig		
GC22-0719-012 Dup		
1319066331 Orig		
1319066331 Dup		
1319066070 Orig		
1319066070 Dup		
GC22-0733-003 Orig	0.77	
GC22-0733-003 Dup	0.77	
GC22-0745-014 Orig		
GC22-0745-014 Dup		
1431016137 Orig		
1431016137 Dup		
GC22-0591-003 Orig	1.53	
GC22-0591-003 Dup	1.55	
GC22-0573-007 Orig		
GC22-0573-007 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0596-001 Orig	2.34	
GC22-0596-001 Dup	2.40	
GC22-0517-007 Orig		
GC22-0517-007 Dup		
1431017035 Orig		
1431017035 Dup		
1317022197 Orig	2.01	
1317022197 Dup	2.00	
1319061098 Orig		
1319061098 Dup		
1431016002 Orig		
1431016002 Dup		
GC22-0562-007 Orig		
GC22-0562-007 Dup		
1431016097 Orig	1.26	
1431016097 Dup	1.24	
GC22-0437-001 Orig		
GC22-0437-001 Dup		
GC22-0524-002 Orig		
GC22-0524-002 Dup		
1317022064 Orig		
1317022064 Dup		
GC22-0443-009FD Orig	2.83	
GC22-0443-009FD Dup	2.86	
GC22-0560-004 Orig		
GC22-0560-004 Dup		
GC22-0569-009 Orig		
GC22-0569-009 Dup		
1319064003 Orig		
1319064003 Dup		
1319067803 Orig	1.11	
1319067803 Dup	1.08	
1319067625 Orig	0.83	
1319067625 Dup	0.84	
GC22-0722-011 Orig		
GC22-0722-011 Dup		
GC22-0728-004		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Orig		
GC22-0728-004 Dup		
STUG22-0175 Orig		
STUG22-0175 Dup		
1319067822 Orig	1.15	
1319067822 Dup	1.16	
1319067629 Orig		
1319067629 Dup		
1319063228 Orig		
1319063228 Dup		
GC22-0610-001 Orig		
GC22-0610-001 Dup		
GC22-0613-014 Orig	1.55	
GC22-0613-014 Dup	1.54	
1317023009 Orig	2.07	
1317023009 Dup	2.04	
1319063419 Orig		
1319063419 Dup		
GC22-0617-002 Orig		
GC22-0617-002 Dup		
GC22-0616-009 Orig		
GC22-0616-009 Dup		
GC22-0395-018 Orig	8.06	
GC22-0395-018 Dup	8.18	
GC22-0519-018 Orig		
GC22-0519-018 Dup		
STUG22-0229 Orig		
STUG22-0229 Dup		
1319068955 Orig		
1319068955 Dup		
GC22-0652-004 Orig	3.35	
GC22-0652-004 Dup	3.37	
1319065100 Orig		
1319065100 Dup		
STUG22-0489 Orig	1.88	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
STUG22-0489 Dup	1.91	
STUG22-0489 Orig		
STUG22-0489 Dup		
STUG22-0554 Orig	2.07	
STUG22-0554 Dup	2.09	
1432019046 Orig		
1432019046 Dup		
GC22-0685-020 Orig		
GC22-0685-020 Dup		
1432019289 Orig		
1432019289 Dup		
GC22-0681-019 Orig	3.00	
GC22-0681-019 Dup	3.04	
GC22-0612-021 Orig	1.72	
GC22-0612-021 Dup	1.67	
1319064071 Orig		
1319064071 Dup		
GC22-0609-001 Orig	1.85	
GC22-0609-001 Dup		
1319064408 Orig		
1319064408 Dup		
GC22-0630-012 Orig	0.98	
GC22-0630-012 Dup	0.95	
1317023146 Orig	1.91	
1317023146 Dup	1.89	
1317023131 Orig		
1317023131 Dup		
1319064022 Orig		
1319064022 Dup		
1319064022 Orig		
1319064022 Dup		
GC22-0618-007 Orig	1.13	
GC22-0618-007 Dup	1.15	
GC22-0618-007 Orig	1.12	
GC22-0618-007 Dup	1.08	
GC22-0633-003	2.10	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Orig		
GC22-0633-003 Dup	2.14	
1319069017 Orig	0.50	
1319069017 Dup	0.41	
1319065310 Orig	0.39	
1319065310 Dup	0.37	
1319065349 Orig		
1319065349 Dup		
1319066013 Orig		
1319066013 Dup		
1319065030 Orig	0.68	
1319065030 Dup	0.65	
GC22-0403-019 Orig		
GC22-0403-019 Dup		
GC22-0402-003 Orig	2.61	
GC22-0402-003 Dup	2.63	
GC22-0377-002 Orig		
GC22-0377-002 Dup		
GC22-0378-011 Orig		
GC22-0378-011 Dup		
GC22-5068-021 Orig		
GC22-5068-021 Dup		
GC22-0477-015 Orig		
GC22-0477-015 Dup		
GC22-0416-004 Orig	8.20	
GC22-0416-004 Dup	8.07	
1432019211 Orig		
1432019211 Dup		
GC22-0661-013 Orig	2.38	
GC22-0661-013 Dup	2.35	
1432019045 Orig		
1432019045 Dup		
1432019069 Orig	1.59	
1432019069 Dup	1.59	
GC22-5090-016 Orig		
GC22-5090-016 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0599-001 Orig	1.84	
GC22-0599-001 Dup	1.86	
1319063082 Orig		
1319063082 Dup		
GC22-0614-001 Orig		
GC22-0614-001 Dup		
GC22-0566-006 Orig		240
GC22-0566-006 Dup		226
1319064423 Orig	1.23	
1319064423 Dup	1.20	
1317023037 Orig	1.15	
1317023037 Dup	1.16	
GC22-0598-001 Orig		
GC22-0598-001 Dup		
1319063187 Orig		
1319063187 Dup		
GC22-0600-002 Orig		
GC22-0600-002 Dup		
GC22-0600-002 Orig		
1319063136 Orig		
1319063136 Dup		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02

Report No.: **A22-17878**
Report Date: **05-Apr-23**
Date Submitted: **29-Nov-22**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

313 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-02-14 21:35:10
4F-C, S	Infrared	2023-02-01 16:28:59

REPORT **A22-17878**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: **A22-17878**
Report Date: **05-Apr-23**
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ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

313 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2023-01-12 07:19:21
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2023-01-16 13:46:51
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2022-12-30 17:43:43

REPORT **A22-17878**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1319066107	45	Slight	36.0	9.15	53.8	3.02	17.78	0.52	0.3	< 0.5	17	818	1	17	5	80	1.57	8	32	76	< 0.5	3	2.15
GC22-0669-005	628	Slight	-15.5	8.89	57.4	0.788	72.88	0.64	1.0	0.9	46	1270	< 1	6	131	264	0.50	212	23	26	< 0.5	< 2	2.18
1319066150	42	Slight	29.5	9.08	60.0	1.97	30.46	0.77	0.4	2.4	40	1060	1	21	5	499	1.64	15	28	42	< 0.5	< 2	2.28
GC22-0686-005	213	Slight	16.1	9.02	54.2	1.42	38.10	0.64	0.9	5.0	29	881	< 1	6	655	1360	0.51	60	27	51	< 0.5	< 2	2.13
GC22-0865-009	120	Slight	4.89	9.42	29.2	1.20	24.30	0.43	0.9	3.2	26	773	< 1	6	357	771	1.03	42	26	38	< 0.5	< 2	1.06
1319070165	18	Slight	45.3	9.21	57.9	4.60	12.59	0.51	< 0.2	< 0.5	15	678	< 1	24	2	99	1.69	3	31	128	< 0.5	< 2	2.19
1319066164	144	Slight	-27.6	8.75	54.0	0.662	81.58	2.46	1.2	0.6	166	1660	< 1	72	4	301	3.64	17	27	21	< 0.5	3	2.54
GC22-0798-006	2740	Slight	-63.6	8.35	24.0	0.274	87.58	1.50	11.0	22.2	143	290	< 1	9	973	6440	0.41	51	28	21	< 0.5	< 2	0.89
GC22-0737-012	461	Slight	-37.8	8.82	2.49	0.0618	40.29	0.53	0.4	2.4	34	752	< 1	8	163	696	0.41	42	25	38	< 0.5	< 2	2.34
GC22-0688-005	157	Slight	-21.1	8.95	15.7	0.428	36.80	0.43	0.5	1.0	13	742	< 1	6	82	285	1.29	86	27	34	< 0.5	< 2	1.04
GC22-0668-004	690	Slight	14.3	9.19	46.1	1.45	31.81	0.41	0.6	1.4	23	1190	< 1	6	95	422	1.09	55	25	34	< 0.5	< 2	1.78
GC22-0731-004	193	Slight	2.52	9.40	43.2	1.06	40.64	0.76	0.6	14.9	38	676	< 1	9	6	3390	0.52	78	22	27	< 0.5	< 2	1.73
1319066147	31	Slight	26.9	8.82	57.0	1.89	30.10	1.11	0.5	< 0.5	77	1180	< 1	43	8	242	2.41	7	30	40	< 0.5	< 2	2.49
GC22-0683-001	> 5000	None	-70.6	8.44	3.24	0.0439	73.88	0.64	7.4	7.7	141	103	< 1	7	196	1890	0.59	215	26	27	< 0.5	< 2	0.12
GC22-0735-008	556	Slight	15.4	9.02	41.1	1.60	25.73	0.45	0.6	< 0.5	19	703	< 1	5	18	94	1.31	56	29	26	< 0.5	< 2	1.90
GC22-0709-002	17	None	9.16	8.18	14.2	2.80	5.08	0.20	< 0.2	< 0.5	107	441	< 1	36	< 2	50	5.11	< 2	34	12	< 0.5	< 2	3.09
GC22-0702-009FD	2670	None	-108	8.38	12.5	0.104	120.28	1.14	2.5	3.8	236	498	1	21	21	752	1.14	87	31	16	< 0.5	< 2	0.83
1319070047	18	Slight	49.5	8.91	68.7	3.58	19.19	0.90	0.3	1.1	51	1060	< 1	32	3	361	2.60	8	29	55	< 0.5	< 2	2.78
GC22-0704-003	78	Slight	15.3	9.31	41.0	1.60	25.66	0.37	0.7	1.6	12	944	< 1	6	113	454	1.12	76	34	29	< 0.5	< 2	1.69
GC22-0744-006	656	Slight	-37.3	8.59	42.3	0.531	79.66	1.51	1.5	30.5	55	549	< 1	8	171	7190	0.61	100	23	29	< 0.5	< 2	1.65
GC22-0688-007	428	Slight	12.1	8.86	51.6	1.31	39.54	0.61	0.9	3.1	28	1180	< 1	6	260	768	0.97	76	18	36	< 0.5	< 2	1.75
F012555	505																						
GC22-0429-015	18	Slight	-14.2	8.10	25.2	0.641	39.40	0.83	0.3	< 0.5	183	733	1	35	15	132	3.27	16	27	50	< 0.5	< 2	2.28
GC22-0454-021	692	Slight	27.6	9.07	51.0	2.18	23.46	0.53	2.5	< 0.5	21	617	< 1	5	64	168	0.50	54	25	37	< 0.5	< 2	1.91
GC22-0746-018	329	Slight	-25.9	8.89	23.7	0.478	49.66	0.96	0.4	17.6	31	474	< 1	11	14	3940	1.09	62	23	27	< 0.5	< 2	0.95
GC22-0729-014	211	Slight	13.6	9.09	48.6	1.39	34.94	0.77	0.7	14.5	39	866	< 1	8	12	3290	0.57	65	26	24	< 0.5	< 2	1.81
GC22-0730-014	13	Slight	12.9	9.26	18.0	3.56	5.05	0.15	< 0.2	< 0.5	12	401	< 1	13	15	107	2.28	7	31	< 10	< 0.5	< 2	0.95
GC22-0689-019	17	Slight	17.9	9.39	21.2	6.35	3.34	0.18	0.2	0.5	17	361	1	9	35	154	1.93	12	26	20	< 0.5	< 2	1.06
GC22-0689-020	255	Slight	-33.9	8.56	40.1	0.542	73.95	0.78	0.7	5.5	57	614	< 1	6	15	1240	0.93	116	18	32	< 0.5	< 2	1.58
GC22-5131-018	1080	None	-35.6	8.44	8.24	0.188	43.87	0.43	4.5	1.8	48	78	2	9	26	475	0.60	53	18	27	< 0.5	< 2	0.13
GC22-0664-014	155	Slight	-8.80	8.59	38.6	0.814	47.40	0.64	1.0	3.4	14	675	< 1	16	20	879	0.91	58	22	32	< 0.5	< 2	1.45
GC22-0568-016	126	Slight	8.78	9.14	29.9	1.42	21.13	0.28	< 0.2	1.2	24	802	< 1	7	16	335	1.06	23	24	50	< 0.5	< 2	1.18
GC22-0588-014	118	Slight	-68.8	7.94	56.5	0.451	125.30	1.91	10.9	< 0.5	12	452	< 1	8	61	81	0.51	89	20	22	< 0.5	< 2	2.19
GC22-0587-017	383	None	-340	7.19	13.5	0.0381	353.67	1.52	12.3	12.4	225	132	< 1	14	21	2720	0.49	373	25	< 10	< 0.5	20	0.50
1431022134	128	Slight	17.3	9.03	50.8	1.51	33.56	0.55	0.7	0.7	33	894	< 1	11	26	236	1.10	29	21	36	< 0.5	< 2	1.55
GC22-0595-014	480	Slight	-52.4	8.43	13.0	0.198	65.37	0.58	< 0.2	< 0.5	34	297	2	7	< 2	56	2.05	8	21	38	< 0.5	< 2	0.71
GC22-0579-014	882	Slight	9.40	9.02	42.2	1.29	32.79	0.47	20.1	2.4	39	554	1	7	323	753	0.37	216	24	29	< 0.5	< 2	1.70
GC22-0755-015	122	Slight	-37.4	9.11	25.4	0.404	62.82	0.68	0.4	< 0.5	33	402	< 1	7	5	59	2.33	20	20	40	< 0.5	3	1.40
GC22-5152-014	230	Slight	11.8	8.76	71.4	1.20	59.59	0.51	0.8	0.8	21	1440	< 1	9	34	228	0.86	27	20	29	< 0.5	< 2	1.71
1431021364	46	Slight	-40.8	8.27	5.49	0.119	46.26	0.34	< 0.2	< 0.5	94	174	8	16	2	80	2.07	6	23	41	< 0.5	< 2	0.32
GC22-0508-017	118	Slight	-14.1	8.75	26.9	0.657	40.99	0.38	0.6	< 0.5	19	989	< 1	8	76	151	1.04	47	24	29	< 0.5	< 2	1.29
1431022020	258	Slight	15.9	9.17	68.2	1.30	52.29	0.58	3.6	1.8	40	718	< 1	10	173	482	1.04	43	22	29	< 0.5	< 2	1.72
F012553	> 5000																						
GC22-0543-017	88	Slight	22.1	8.88	64.2	1.53	42.03	0.40	0.8	< 0.5	26	962	< 1	8	32	167	0.97	31	18	24	< 0.5	< 2	1.80
GC22-0855-017	142	Slight	-2.57	9.06	36.0	0.933	38.55	0.34	0.5	< 0.5	20	888	< 1	6	60	124	1.33	35	20	22	< 0.5	< 2	1.51
GC22-5132-014	293	Slight	5.05	8.80	66.8	1.08	61.75	0.56	3.4	1.5	74	1280	2	9	62	398	1.22	54	20	28	< 0.5	< 2	1.63
GC22-5132-015	189	Slight	1.63	8.80	60.5	1.03	58.85	0.68	3.8	1.0	69	1010	3	10	88	267	1.18	47	24	26	< 0.5	3	1.50
GC22-0855-001	28	Slight	27.0	9.38	44.9	2.51	17.93	0.39	< 0.2	< 0.5	31	842	< 1	11	10	222	1.24	10	33	73	< 0.5	< 2	1.76

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0878-007	194	Slight	-13.6	9.24	33.1	0.709	46.68	0.54	0.7	< 0.5	20	599	< 1	10	23	88	1.23	62	24	36	< 0.5	< 2	1.43
GC22-0716-018	535	None	-18.7	8.54	10.7	0.365	29.44	0.47	< 0.2	< 0.5	135	175	< 1	2	7	23	2.58	3	29	57	< 0.5	< 2	1.50
GC22-0878-014	42	Slight	-0.0392	9.28	25.5	0.998	25.58	0.39	0.3	< 0.5	16	673	< 1	6	30	104	2.33	24	26	38	< 0.5	< 2	1.50
STUG22-1061	> 5000	None	-108	7.88	5.23	0.0463	113.17	1.00	65.4	8.6	388	269	1	14	2240	2230	0.57	216	22	21	< 0.5	< 2	0.19
GC22-5135-020	298	Slight	-9.21	8.65	45.8	0.833	55.01	0.61	2.2	1.5	49	1240	< 1	9	132	370	0.73	51	24	33	< 0.5	< 2	1.16
GC22-0879-017	279	Slight	33.7	8.69	64.3	2.10	30.67	0.55	0.2	0.8	17	1790	< 1	6	29	209	0.67	59	28	29	< 0.5	< 2	1.76
STUG22-1042	2930	None	-112	8.45	5.11	0.0438	116.83	0.92	35.9	4.3	193	200	< 1	14	755	1170	0.61	143	33	15	< 0.5	< 2	0.21
1312005039	477	None	-23.5	8.59	12.4	0.346	35.97	0.53	< 0.2	< 0.5	75	422	1	8	3	53	2.62	5	23	36	< 0.5	8	0.58
GC22-0847-016	45	Slight	24.8	9.39	38.8	2.76	14.07	0.42	< 0.2	< 0.5	18	698	< 1	6	22	88	2.80	29	21	31	< 0.5	< 2	2.24
GC22-5041-020	192	Slight	-1.48	8.71	10.2	0.874	11.71	0.28	< 0.2	< 0.5	59	248	2	5	< 2	31	2.83	7	26	17	< 0.5	< 2	1.00
1312004516	69	Slight	9.47	8.99	20.4	1.86	10.96	0.37	0.6	< 0.5	342	337	11	9	< 2	64	3.41	3	25	56	< 0.5	< 2	1.62
GC22-0851-012	108	Slight	6.96	9.14	41.1	1.20	34.09	0.46	1.5	0.8	28	1190	< 1	5	119	268	1.45	44	24	20	< 0.5	< 2	1.77
1312004448	85	Slight	-31.7	8.74	17.0	0.348	48.70	0.46	< 0.2	< 0.5	40	240	5	9	6	45	2.16	3	27	35	< 0.5	2	1.18
F012552	1060																						
GC22-0754-016	125	None	-39.5	8.84	13.5	0.255	52.94	0.54	< 0.2	< 0.5	25	394	< 1	10	4	69	3.19	9	22	41	< 0.5	3	1.60
GC22-0841-002	200	Slight	-3.12	9.14	38.7	0.925	41.81	0.51	1.0	0.5	21	625	< 1	13	18	223	1.34	53	21	36	< 0.5	< 2	1.67
GC22-0814-017	144	Slight	-46.5	8.31	13.5	0.225	60.01	0.52	3.2	2.6	90	440	4	9	392	704	0.78	43	29	19	< 0.5	< 2	0.50
GC22-0810-015	46	Slight	-5.35	8.05	24.7	0.822	30.07	0.37	< 0.2	< 0.5	3	555	< 1	9	12	65	1.05	19	27	38	< 0.5	< 2	1.10
GC22-0812-018	215	None	-1.38	8.88	50.9	0.974	52.23	0.63	1.4	0.6	29	1240	< 1	9	106	216	1.01	45	20	17	< 0.5	< 2	1.33
GC22-5153-017	402	Slight	-42.0	8.30	21.5	0.339	63.48	0.55	5.3	2.5	72	544	1	10	373	635	0.67	52	23	25	< 0.5	< 2	0.64
GC22-5150-017	128	Slight	27.5	8.73	72.2	1.61	44.76	0.49	1.0	< 0.5	24	944	< 1	7	31	101	1.20	39	27	20	< 0.5	< 2	2.02
1431023119	131	Slight	42.3	8.48	93.6	1.83	51.27	1.51	1.9	1.2	77	1640	< 1	24	3	384	2.04	17	20	37	< 0.5	< 2	3.44
GC22-0862-014	405	Slight	-21.7	8.54	6.74	0.237	28.44	0.35	< 0.2	< 0.5	153	294	< 1	3	< 2	29	2.86	3	20	30	< 0.5	4	1.23
GC22-0360-007	312	Slight	-125	7.43	21.4	0.147	146.14	1.54	4.1	2.0	110	1700	< 1	40	2	702	3.11	45	25	13	< 0.5	< 2	0.54
GC22-0346-014	230	Slight	8.07	8.44	47.5	1.20	39.38	0.56	1.3	0.8	33	732	3	12	< 2	242	1.99	12	32	56	< 0.5	< 2	1.89
GC22-0707-019	744	Slight	1.78	8.90	52.3	1.04	50.55	0.79	6.6	7.0	178	812	< 1	6	2350	1960	0.46	72	32	29	< 0.5	< 2	2.07
GC22-0760-010	45	Slight	-20.5	8.35	68.7	0.770	89.24	1.99	0.8	< 0.5	237	1470	< 1	66	< 2	126	3.61	12	17	< 10	< 0.5	2	2.82
GC22-5136-016	1520	None	-50.1	7.80	6.49	0.115	56.59	0.42	20.3	3.7	60	157	2	9	75	948	0.52	54	24	25	< 0.5	3	0.25
1318007625	187	Slight	20.2	8.83	63.2	1.47	42.93	0.53	2.3	< 0.5	30	1250	< 1	16	51	108	1.40	52	26	32	< 0.5	< 2	2.28
1318006353	121	Slight	-28.8	8.31	44.1	0.605	72.90	1.36	1.0	4.4	175	1080	< 1	57	47	858	2.14	10	26	18	< 0.5	< 2	2.00
1431023337	87	Slight	-2.16	8.40	51.8	0.960	53.96	1.76	2.2	4.0	137	2850	< 1	91	3	1350	2.84	23	19	26	< 0.5	3	1.47
1318007631	380	Slight	-62.8	8.33	15.0	0.193	77.77	0.84	1.6	9.9	73	532	< 1	8	12	2300	0.37	149	28	29	< 0.5	< 2	1.36
1431023381	41	Slight	124	8.57	152	5.42	28.01	0.89	0.6	2.5	130	1640	< 1	117	< 2	623	4.55	12	20	15	< 0.5	2	4.70
DUG22-2497	122	None	-60.7	8.79	3.99	0.0617	64.73	0.31	6.9	< 0.5	22	66	< 1	4	42	125	0.64	19	24	18	< 0.5	< 2	0.08
GC22-0814-014	221	Slight	9.62	8.82	53.8	1.22	44.13	0.39	1.2	0.8	20	1100	< 1	6	32	254	0.89	30	23	15	< 0.5	< 2	1.54
GC22-0823-017	30	Slight	25.2	8.94	67.8	1.59	42.57	0.50	2.3	< 0.5	36	1240	< 1	13	9	40	0.69	42	23	32	< 0.5	< 2	2.03
GC22-0791-014	174	Slight	15.7	8.98	39.1	1.67	23.38	0.34	0.7	1.1	23	964	< 1	9	47	276	1.59	48	23	28	< 0.5	< 2	1.72
1318012226	319	Slight	-29.5	8.81	14.4	0.327	43.88	0.69	1.0	11.6	44	561	< 1	5	50	2800	1.44	45	23	27	< 0.5	< 2	1.04
F012551	1200																						
GC22-0672-007	109	Slight	-37.8	8.49	13.2	0.259	50.95	0.43	0.6	0.8	16	443	< 1	11	57	270	0.93	85	25	41	< 0.5	< 2	0.63
GC22-0730-012	48	Slight	23.5	9.22	57.5	1.69	33.96	0.37	0.6	1.4	17	603	< 1	6	77	323	1.97	55	29	42	< 0.5	< 2	1.64
GC22-0749-012	1340	Slight	-10.2	8.41	70.1	0.873	80.34	1.61	1.4	28.9	39	1010	< 1	8	48	6860	0.62	69	22	33	< 0.5	< 2	2.63
GC22-0654-012	353	Slight	23.9	9.21	33.8	3.40	9.95	0.35	0.5	0.8	14	799	< 1	7	25	232	2.15	46	33	40	< 0.5	< 2	1.82
1318002099	159	Slight	-13.8	8.67	59.0	0.811	72.75	1.05	0.4	10.5	39	1180	1	8	35	2490	0.75	80	25	32	< 0.5	< 2	1.96
GC22-0677-013	1490	Slight	-14.5	8.76	24.4	0.628	38.92	0.88	1.5	6.3	47	699	< 1	6	691	1570	1.02	48	22	33	< 0.5	< 2	1.11
GC22-0678-013	114	None	-76.5	7.74	3.73	0.0465	80.27	0.68	0.5	1.3	22	165	< 1	11	111	366	0.61	53	25	28	< 0.5	< 2	0.18
GC22-0732-018	3220	Slight	-31.1	8.82	13.6	0.304	44.66	0.75	2.9	12.9	26	284	< 1	8	138	3060	0.79	55	23	37	< 0.5	< 2	0.87
GC22-0714-013	521	None	-23.6	8.42	10.1	0.299	33.74	0.38	0.3	< 0.5	170	198	< 1	3	< 2	20	2.56	7	20	57	< 0.5	< 2	1.34
GC22-0515-007	325	Slight	-48.4	8.07	10.7	0.181	59.08	1.36	5.4	4.0	87	2710	< 1	98	3	1140	2.85	19	20	35	< 0.5	2	0.21

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0414-018	12	Slight	20.4	8.78	25.3	5.16	4.91	0.25	< 0.2	< 0.5	116	1000	< 1	53	6	71	5.30	16	38	13	< 0.5	< 2	3.20
GC22-0353-014	85	Slight	-41.7	8.01	102	0.710	144.14	6.35	0.5	1.3	119	2140	1	35	< 2	388	1.69	16	23	20	< 0.5	3	3.53
GC22-2047-001	464	Slight	-8.65	9.10	10.7	0.553	19.36	0.31	0.7	< 0.5	504	219	< 1	1	< 2	34	2.58	2	20	52	< 0.5	9	1.10
GC22-0703-009FD	728	Slight	8.97	8.96	30.7	1.41	21.73	0.32	0.6	< 0.5	27	563	< 1	6	12	196	1.50	379	39	29	< 0.5	< 2	1.53
1318002361	334	Slight	33.8	9.13	48.0	3.38	14.18	0.35	0.3	0.9	27	645	< 1	35	11	235	1.82	26	33	35	< 0.5	< 2	1.16
GC22-0677-020	86	Slight	-31.4	8.85	12.5	0.284	43.93	0.38	0.5	0.6	16	372	< 1	10	81	179	0.59	123	25	33	< 0.5	< 2	0.59
GC22-0504-001	24	Slight	81.5	9.20	84.9	25.2	3.37	0.43	< 0.2	< 0.5	34	683	< 1	29	5	75	2.48	7	18	51	< 0.5	< 2	3.28
GC22-0745-009FD	249	Slight	-25.6	9.27	25.8	0.502	51.41	0.82	0.3	13.9	30	604	< 1	9	8	3300	0.62	76	24	33	< 0.5	< 2	1.03
GC22-0705-013	131	Slight	-21.7	8.65	40.4	0.651	62.15	0.70	2.8	2.8	42	528	< 1	10	269	752	0.60	106	23	34	< 0.5	< 2	1.75
GC22-0717-007	118	Slight	6.93	8.55	59.4	1.13	52.43	0.51	< 0.2	< 0.5	64	158	1	3	< 2	27	1.73	2	22	41	< 0.5	< 2	1.09
GC22-0862-012	873	None	-34.5	8.67	7.24	0.174	41.71	0.30	< 0.2	< 0.5	98	190	< 1	1	< 2	21	2.54	8	24	46	< 0.5	2	0.80
GC22-0716-013	93	Slight	-41.1	8.58	7.22	0.149	48.37	0.44	< 0.2	< 0.5	94	188	< 1	1	< 2	23	3.00	2	25	32	< 0.5	3	1.38
GC22-0715-019	128	None	-105	8.31	5.23	0.0477	109.78	0.72	1.1	< 0.5	21	260	< 1	11	13	66	1.40	107	22	23	< 0.5	5	0.20
GC22-0758-005	95	Slight	-64.5	8.92	18.7	0.224	83.19	0.88	0.4	< 0.5	27	840	< 1	20	8	158	2.37	35	21	34	< 0.5	3	1.25
GC22-0684-015	532	Slight	22.6	8.89	58.7	1.63	36.13	0.49	0.3	1.1	36	1420	1	7	117	293	0.56	173	26	38	< 0.5	< 2	1.88
1319070552	48	Slight	14.5	8.79	46.1	1.46	31.65	0.97	0.6	< 0.5	83	938	1	35	5	240	3.29	6	27	49	< 0.5	< 2	2.78
F012550	529																						
GC22-0417-016	8	None	16.0	9.03	17.6	10.7	1.64	0.13	< 0.2	< 0.5	124	528	< 1	48	< 2	56	4.79	2	32	20	< 0.5	< 2	2.98
GC22-0404-002	759	Slight	-236	7.66	26.6	0.101	262.41	2.86	2.7	< 0.5	188	1870	< 1	53	< 2	359	2.74	31	18	< 10	< 0.5	3	0.61
GC22-0420-021	790	None	-85.7	8.47	10.8	0.112	96.50	0.98	2.9	8.2	129	934	2	16	43	1900	1.65	169	19	26	< 0.5	< 2	0.33
GC22-0569-017	652	Slight	-11.1	8.38	39.7	0.782	50.76	1.01	0.7	16.5	116	1450	< 1	6	201	3600	0.62	58	25	39	< 0.5	< 2	1.08
GC22-0422-021	6	None	22.5	8.72	23.6	20.4	1.16	0.25	< 0.2	< 0.5	113	766	< 1	60	< 2	58	4.63	< 2	32	11	< 0.5	< 2	2.84
GC22-0556-021	246	Slight	1.66	8.86	25.7	1.07	24.01	0.38	< 0.2	< 0.5	13	954	< 1	8	13	103	2.38	7	26	47	< 0.5	< 2	1.58
1312003418	5	Slight	18.1	9.00	19.1	19.1	1.00	0.17	< 0.2	< 0.5	141	472	< 1	42	< 2	46	5.37	< 2	29	< 10	< 0.5	< 2	3.28
GC22-0525-016	101	Slight	-33.1	8.31	10.7	0.245	43.80	0.39	0.4	0.6	25	753	< 1	7	159	209	1.32	47	26	37	< 0.5	< 2	0.85
GC22-0560-020	157	Slight	20.8	8.71	47.3	1.79	26.47	0.44	0.4	4.4	38	1010	< 1	5	22	923	1.02	23	29	37	< 0.5	< 2	1.69
GC22-0439-020	671	Slight	27.7	8.75	57.9	1.92	30.15	0.47	0.5	< 0.5	12	1330	< 1	5	114	155	0.68	45	28	52	< 0.5	< 2	2.07
1312003445	25	None	9.84	8.79	16.9	2.39	7.09	0.23	< 0.2	< 0.5	126	509	< 1	47	< 2	53	4.58	< 2	29	12	< 0.5	< 2	2.83
1312003412	238	Slight	-45.2	8.88	12.5	0.217	57.69	0.64	0.3	< 0.5	333	203	1	6	3	197	1.78	5	24	29	< 0.5	5	0.84
1312003430	312	None	-39.5	8.71	14.7	0.272	54.24	0.58	0.4	< 0.5	174	463	< 1	6	2	77	2.04	19	23	32	< 0.5	5	0.68
GC22-0425-017	101	Slight	16.0	8.73	44.6	1.56	28.59	0.42	0.5	1.0	43	1110	< 1	16	19	265	1.73	44	29	23	< 0.5	< 2	1.99
GC22-0524-016	304	Slight	-10.2	8.83	13.2	0.564	23.40	0.32	< 0.2	0.9	56	1070	< 1	12	10	500	2.22	9	26	49	< 0.5	< 2	0.97
GC22-0438-018	205	Slight	-19.9	8.53	24.4	0.550	44.34	0.50	0.4	2.8	31	635	< 1	6	19	749	0.80	41	25	36	< 0.5	< 2	1.06
GC22-0586-018	1870	Slight	-2.12	8.63	42.2	0.952	44.33	0.66	4.6	5.5	69	543	1	8	1130	1850	0.42	97	27	33	< 0.5	< 2	1.73
GC22-0739-018	254	Slight	77.4	8.55	139	2.26	61.28	1.54	1.3	< 0.5	342	1130	< 1	82	2	189	3.42	27	23	17	< 0.5	< 2	4.37
1312003449	651	Slight	-5.82	8.72	49.6	0.895	55.43	0.65	0.8	< 0.5	361	390	< 1	6	2	78	2.27	20	23	37	< 0.5	5	0.57
GC22-0455-020	128	Slight	-21.6	8.61	27.2	0.558	48.78	0.46	1.2	1.5	37	702	< 1	7	75	461	0.58	111	23	27	< 0.5	< 2	1.09
GC22-0413-020	1830	Slight	-79.6	9.26	6.62	0.0768	86.17	0.81	3.7	9.6	54	823	< 1	17	391	2110	1.35	210	25	19	< 0.5	< 2	0.31
F012556	1030																						
1431022105	98	Slight	-5.15	8.59	32.9	0.865	38.01	0.51	0.5	0.8	62	648	< 1	18	15	253	1.23	26	28	29	< 0.5	< 2	1.29
GC22-0788-001	51	Slight	-9.45	8.18	19.7	0.676	29.20	0.99	0.9	1.2	233	681	< 1	294	3	565	4.79	10	24	30	0.8	< 2	0.60
GC22-0735-015	99	Slight	17.7	9.16	30.8	2.36	13.05	0.41	0.3	2.0	17	741	< 1	5	17	457	2.01	22	29	40	< 0.5	< 2	1.93
1432028201	182	Slight	10.4	9.31	56.2	1.23	45.84	0.70	2.1	6.0	103	1190	1	9	111	1520	0.87	37	24	30	< 0.5	< 2	1.94
GC22-0469-019	1020	None	-57.8	8.18	11.0	0.159	68.71	0.51	0.8	< 0.5	489	149	< 1	1	4	22	2.41	5	22	32	< 0.5	6	1.24
GC22-0784-001	136	None	-98.5	8.51	12.6	0.113	111.06	1.43	1.2	4.7	114	773	< 1	106	3	1390	3.37	10	22	13	< 0.5	4	0.32
GC22-0676-021	249	Slight	46.3	8.85	73.6	2.69	27.35	0.39	< 0.2	0.7	27	798	< 1	5	13	185	0.74	60	22	23	< 0.5	< 2	2.93
GC22-0474-017	173	None	-36.4	8.12	6.98	0.161	43.41	0.44	0.6	< 0.5	237	658	< 1	8	6	99	1.87	19	23	33	< 0.5	3	0.60

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0778-001	152	Slight	-25.5	8.81	49.6	0.661	75.09	0.89	0.5	9.9	24	906	< 1	7	8	2350	0.52	130	24	22	< 0.5	< 2	1.56
GC22-0343-016	101	Slight	105	8.54	128	5.59	23.00	0.82	0.3	< 0.5	43	1780	< 1	150	< 2	159	4.40	8	20	13	< 0.5	< 2	4.02
GC22-0791-010	416	Slight	5.70	8.75	38.8	1.17	33.14	0.75	0.8	3.5	46	700	< 1	6	12	733	0.49	148	21	26	< 0.5	< 2	1.03
GC22-0750-017	1030	Slight	-63.8	8.15	14.7	0.187	78.52	0.62	1.2	6.6	47	307	< 1	9	1000	1810	0.38	45	27	28	< 0.5	< 2	0.39
1312003401	643	None	-171	7.75	7.29	0.0409	178.10	0.86	0.4	1.5	16	301	< 1	7	4	238	1.12	21	22	16	< 0.5	6	0.36
GC22-0686-016	27	Slight	-17.8	8.43	34.4	0.659	52.24	0.43	< 0.2	0.8	11	524	< 1	8	13	196	1.33	23	23	34	< 0.5	< 2	1.55
GC22-0662-015	73	Slight	13.6	8.96	47.1	1.41	33.42	0.43	< 0.2	0.7	18	837	< 1	8	5	310	2.04	17	22	40	< 0.5	< 2	2.13
1431022022	187	Slight	27.0	9.14	71.2	1.61	44.19	0.46	1.5	1.5	37	1010	< 1	9	95	374	0.97	46	21	25	< 0.5	< 2	1.86
1432028278	291	Slight	11.8	9.18	51.7	1.30	39.83	0.41	1.0	< 0.5	34	884	2	7	34	107	0.98	20	23	25	< 0.5	< 2	1.43
GC22-0852-011	98	Slight	22.2	8.59	64.0	1.53	41.74	0.46	0.4	< 0.5	13	1230	< 1	8	39	95	1.34	40	24	34	< 0.5	< 2	2.58
GC22-5145-025	74	Slight	45.1	9.17	70.6	2.77	25.54	0.33	0.4	0.5	31	881	1	6	20	223	1.23	37	21	25	< 0.5	< 2	1.99
GC22-0790-005	158	Slight	-6.85	9.17	33.0	0.828	39.87	0.54	0.5	< 0.5	26	1090	< 1	9	19	86	3.60	60	26	36	< 0.5	< 2	2.67
GC22-0818-005	440	Slight	-14.2	8.87	65.5	0.822	79.71	0.76	2.8	0.8	52	1300	< 1	11	90	234	1.06	92	24	21	< 0.5	< 2	2.48
1432028311	186	Slight	-4.19	9.14	42.9	0.911	47.06	0.47	1.5	2.0	26	974	< 1	11	16	491	1.06	17	21	26	< 0.5	< 2	1.34
F012052	550																						
GC22-0419-020	521	None	-77.3	8.05	3.16	0.0393	80.47	0.63	0.5	7.0	38	211	1	11	17	1610	0.99	150	25	27	< 0.5	< 2	0.29
GC22-0840-002	48	Slight	3.53	9.10	14.8	1.31	11.23	0.23	< 0.2	< 0.5	24	986	< 1	9	9	151	2.20	26	30	70	< 0.5	< 2	1.04
GC22-0815-005	191	Slight	-14.4	8.90	23.3	0.618	37.74	0.45	< 0.2	< 0.5	18	683	< 1	10	24	177	2.00	16	29	60	< 0.5	< 2	1.06
GC22-0807-001	347	Slight	14.0	9.33	75.6	1.23	61.61	0.60	1.5	< 0.5	37	816	< 1	10	21	122	0.69	106	21	32	< 0.5	< 2	1.88
GC22-0806-019	84	Slight	48.7	9.15	60.8	5.04	12.07	0.46	0.9	< 0.5	21	1290	< 1	9	6	39	0.97	22	23	43	< 0.5	< 2	2.13
DUG22-2057	> 5000	Slight	-58.9	8.44	4.63	0.0729	63.57	0.39	41.7	0.6	139	43	< 1	10	57	208	0.40	139	22	26	< 0.5	< 2	0.13
1432028210	28	Slight	37.4	8.91	78.3	1.91	40.94	0.49	0.6	0.8	66	1050	3	5	55	231	0.93	32	24	25	< 0.5	< 2	2.28
GC22-0811-008	195	Slight	-3.50	9.18	28.1	0.889	31.58	0.31	< 0.2	< 0.5	18	750	< 1	9	17	130	2.45	26	30	38	< 0.5	< 2	1.71
1318004011	190	Slight	19.3	9.09	39.0	1.98	19.68	0.44	0.7	0.7	287	594	< 1	307	11	144	1.79	9	28	53	< 0.5	< 2	1.76
GC22-0821-012	101	Slight	11.6	8.88	62.5	1.23	50.92	0.52	0.3	< 0.5	12	1520	< 1	7	44	126	1.75	46	25	38	< 0.5	< 2	2.59
GC22-0834-001	120	Slight	-31.6	9.34	24.1	0.433	55.77	0.58	0.4	6.4	26	640	< 1	7	54	1550	1.14	42	24	44	< 0.5	< 2	0.87
GC22-0808-001	607	Slight	10.4	8.87	59.8	1.21	49.43	0.79	1.7	9.0	122	2420	< 1	6	808	2370	0.77	75	25	32	< 0.5	< 2	2.22
1432028253	78	Slight	18.7	8.96	59.7	1.46	40.95	0.49	0.4	1.2	26	1280	< 1	7	16	336	0.95	42	23	21	< 0.5	< 2	1.87
1432028134	81	Slight	24.8	9.38	63.6	1.64	38.81	0.42	1.3	0.8	73	1290	2	8	35	238	0.73	23	22	27	< 0.5	< 2	1.98
GC22-0831-001	629	Slight	1.86	8.65	51.3	1.04	49.42	0.54	1.3	3.4	69	953	< 1	17	24	568	1.41	34	25	22	< 0.5	< 2	1.57
GC22-0806-009FD	120	Slight	-29.3	8.78	38.3	0.566	67.64	0.77	0.6	8.7	58	1440	< 1	9	29	1900	2.47	49	24	37	< 0.5	< 2	2.41
GC22-0803-006	113	Slight	-5.74	9.50	30.9	0.843	36.63	0.45	0.9	< 0.5	21	485	< 1	10	25	174	1.07	78	21	29	< 0.5	< 2	2.26
1318004143	515	Slight	-21.5	8.98	28.4	0.569	49.87	0.55	2.0	5.9	58	799	< 1	4	346	1460	0.97	92	27	29	< 0.5	< 2	1.30
GC22-0797-012	111	Slight	-2.89	9.26	43.5	0.938	46.37	0.52	1.4	0.7	34	1350	2	7	144	216	1.41	27	20	32	< 0.5	< 2	1.23
GC22-0838-011	370	Slight	-21.9	9.39	18.5	0.458	40.36	0.44	0.4	1.3	78	679	< 1	9	64	412	1.72	23	28	47	< 0.5	< 2	1.00
GC22-0820-001	185	Slight	20.7	9.27	28.9	3.54	8.16	0.32	< 0.2	0.8	14	1160	< 1	9	53	255	2.52	24	29	80	< 0.5	< 2	1.49
1318004027	136	Slight	-5.80	9.05	35.7	0.860	41.54	0.44	1.0	0.5	32	746	< 1	8	114	230	1.28	29	24	31	< 0.5	< 2	1.52
GC22-0792-001	302	Slight	-19.5	9.17	57.0	0.745	76.47	0.71	< 0.2	0.6	22	1250	< 1	11	17	192	0.94	148	21	29	< 0.5	< 2	1.83
CG22-0830-001	73	Slight	21.7	9.38	48.6	1.81	26.85	0.53	0.3	0.9	210	1220	8	181	7	958	2.23	14	26	46	< 0.5	3	2.06
GC22-0827-012	206	Slight	7.12	9.19	53.7	1.15	46.54	0.75	1.2	< 0.5	27	516	< 1	25	14	129	1.43	15	24	40	< 0.5	< 2	1.92
GC22-0832-001	220	Slight	-10.5	9.19	21.8	0.675	32.26	0.41	0.3	1.1	27	987	< 1	8	63	400	1.61	14	26	69	< 0.5	< 2	1.08
GC22-0839-001	305	Slight	-28.3	8.97	13.5	0.323	41.79	0.45	1.7	1.4	52	684	< 1	12	28	391	2.25	17	23	58	< 0.5	< 2	0.73
GC22-0849-009FD	126	Slight	34.2	9.34	74.9	1.84	40.68	0.53	0.5	1.5	24	1500	< 1	8	29	401	0.75	41	24	36	< 0.5	< 2	2.94
F012059	> 5000																						
GC22-0770-008	1120	Slight	-19.3	8.77	39.2	0.670	58.59	0.83	1.0	7.4	36	2320	< 1	6	237	1810	0.58	104	27	29	< 0.5	< 2	1.29
GC22-0802-020	460	Slight	-42.2	9.13	16.8	0.285	59.05	0.78	2.1	5.8	131	703	< 1	7	10	1300	0.54	196	24	29	< 0.5	< 2	1.56
GC22-0801-009	302	Slight	6.87	9.38	32.1	1.27	25.21	0.47	0.7	3.7	38	811	< 1	7	40	824	1.35	83	24	32	< 0.5	< 2	1.57

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0751-003	478	Slight	-26.9	9.34	34.9	0.564	61.80	0.83	1.9	11.5	86	946	< 1	7	50	2650	0.76	61	26	35	< 0.5	< 2	1.33
GC22-0825-001	780	Slight	-15.4	9.22	21.8	0.586	37.17	0.50	0.5	3.4	34	599	< 1	7	20	886	0.74	122	22	28	< 0.5	< 2	0.90
GC22-0753-002	92	Slight	-38.9	9.33	15.8	0.289	54.79	0.55	0.5	< 0.5	13	456	< 1	6	27	68	1.48	28	24	32	< 0.5	< 2	0.83
GC22-0796-007	565	Slight	27.8	9.17	36.0	4.39	8.19	1.44	1.2	27.2	108	1250	< 1	7	39	6460	0.74	311	24	30	< 0.5	< 2	0.94
1318004039	135	Slight	-31.1	9.04	18.9	0.378	49.99	0.55	0.8	1.5	29	479	< 1	5	119	510	1.05	16	26	36	< 0.5	< 2	0.77
1318006266	330	Slight	-9.28	8.97	31.4	0.772	40.65	0.51	0.5	0.7	25	891	< 1	7	40	223	2.32	35	29	38	< 0.5	< 2	1.71
GC22-0799-001	203	Slight	-19.2	9.35	23.5	0.550	42.68	0.60	0.3	8.7	61	658	< 1	7	20	1630	1.15	39	29	47	< 0.5	< 2	1.04
GC22-0797-020	207	Slight	2.85	9.08	45.5	1.07	42.65	0.43	1.6	< 0.5	43	1340	2	6	9	69	1.07	20	26	22	< 0.5	< 2	1.59
GC22-0769-001	129	Slight	32.5	9.49	66.9	1.95	34.33	0.43	< 0.2	0.6	25	1710	< 1	5	37	186	0.92	46	24	22	< 0.5	< 2	2.08
GC22-0831-017	227	Slight	43.0	9.17	79.4	2.18	36.38	0.56	0.5	0.5	23	925	< 1	9	38	158	0.95	62	25	33	< 0.5	< 2	2.26
GC22-0794-001	334	Slight	6.56	9.35	43.0	1.18	36.49	0.52	< 0.2	3.2	30	1150	< 1	8	24	797	1.03	46	26	45	< 0.5	< 2	1.69
GC22-0799-017	1130	Slight	-19.7	9.01	28.2	0.589	47.91	0.56	0.9	2.6	36	926	< 1	7	9	627	1.56	117	26	28	< 0.5	< 2	1.38
GC22-0828-005	126	Slight	2.46	9.42	23.8	1.12	21.37	0.31	< 0.2	< 0.5	14	840	< 1	8	7	132	3.04	11	30	55	< 0.5	< 2	1.64
GC22-0810-010	1370	Slight	-13.3	9.32	25.3	0.656	38.56	0.46	0.2	1.2	7	731	< 1	9	14	552	1.18	14	29	45	< 0.5	< 2	1.11
GC22-0802-017	170	None	-59.9	8.35	33.1	0.356	93.09	0.71	0.6	< 0.5	15	546	< 1	9	8	125	0.46	179	28	25	< 0.5	< 2	1.19
1312004054	140	Slight	-79.5	8.71	10.1	0.113	89.59	0.85	0.7	< 0.5	75	413	2	13	6	213	2.19	59	24	30	< 0.5	4	0.52
F012058	1050																						
1318005023	423	Slight	-49.5	8.69	26.1	0.345	75.64	0.87	0.9	7.7	22	413	< 1	8	47	1810	0.73	103	26	24	< 0.5	< 2	1.12
1318005147	224	None	-0.572	9.15	30.8	0.982	31.33	0.50	12.0	1.1	44	348	< 1	7	181	381	0.55	36	29	40	< 0.5	< 2	1.36
MUG22-4165	> 5000	None	-110	8.78	2.76	0.0246	112.52	2.59	22.2	57.2	393	117	1	6	4500	> 10000	0.66	148	24	17	< 0.5	< 2	0.09
GC22-0714-016	1110	None	-10.3	8.61	7.75	0.430	18.02	0.53	0.6	< 0.5	393	206	< 1	< 1	11	27	1.97	10	25	45	< 0.5	3	1.00
GC22-0667-017	74	None	-40.2	8.68	14.2	0.261	54.37	0.72	0.5	0.5	88	553	< 1	15	8	151	3.15	55	22	40	< 0.5	3	0.97
1318012229	763	None	-57.2	8.71	8.90	0.135	66.14	1.51	2.6	29.5	206	632	1	5	37	6990	1.29	105	25	21	< 0.5	< 2	0.47
1318012206	245	Slight	-33.8	9.21	14.4	0.299	48.27	1.20	1.5	23.4	77	530	< 1	7	30	5490	1.24	78	30	22	< 0.5	< 2	0.61
DUG22-2261	191	Slight	-48.9	9.15	82.3	0.627	131.19	1.65	0.6	< 0.5	21	2290	< 1	9	35	87	2.23	29	26	36	< 0.5	< 2	2.98
DUG22-2270	2910	None	-68.1	9.22	7.90	0.104	75.99	0.75	5.8	3.9	129	299	< 1	13	250	1120	0.83	144	26	34	< 0.5	< 2	0.21
STUG22-1099	1530	None	-94.8	8.80	4.42	0.0446	99.23	0.79	24.0	1.8	270	798	< 1	17	458	480	0.79	95	27	27	< 0.5	< 2	0.19
STUG22-1086	2140	None	-95.3	8.74	2.93	0.0298	98.20	0.82	35.2	7.5	292	299	1	10	647	2020	0.62	114	26	24	< 0.5	< 2	0.12
1318012161	1160	Slight	-28.4	8.76	18.7	0.397	47.08	0.89	1.4	14.9	70	859	< 1	6	70	3270	1.33	85	27	27	< 0.5	< 2	0.85
DUG22-2216	150	None	-53.4	9.29	13.9	0.207	67.35	0.64	1.9	1.5	51	558	< 1	7	156	425	1.44	52	31	45	< 0.5	< 2	0.97
DUG22-2272	80	None	-42.6	9.36	5.39	0.112	48.01	0.61	1.5	0.9	21	851	< 1	8	106	300	2.15	38	33	43	< 0.5	< 2	0.98
DUG22-2176	104	None	-34.8	9.37	7.96	0.186	42.75	0.54	0.5	< 0.5	16	643	< 1	7	49	122	2.50	27	32	55	< 0.5	< 2	1.44
DUG22-2303	126	None	-9.23	9.66	11.4	0.552	20.61	0.58	0.6	< 0.5	23	793	< 1	13	23	114	2.28	10	29	38	< 0.5	< 2	1.09
GC22-0858-011	155	Slight	15.1	9.02	53.2	1.40	38.13	0.58	1.0	3.1	19	1570	< 1	4	144	823	1.01	53	20	21	< 0.5	< 2	1.86
GC22-0858-007	205	Slight	6.35	9.29	35.4	1.22	29.00	0.38	0.7	0.6	29	1100	< 1	6	52	190	1.33	38	26	19	< 0.5	< 2	1.54
1318005180	547	None	-148	8.11	8.29	0.0529	156.72	1.85	6.1	18.7	259	840	< 1	17	196	3950	1.58	371	25	24	< 0.5	2	0.32
1318005040	264	Slight	-29.6	8.84	27.7	0.483	57.21	0.90	3.5	6.5	39	1620	< 1	17	250	1680	1.82	77	30	22	< 0.5	< 2	1.24
1318005170	21	Slight	-1.79	8.84	15.7	0.898	17.51	0.27	1.4	< 0.5	11	337	< 1	8	16	60	1.29	16	27	22	< 0.5	< 2	0.79
GC22-0837-017	745	None	-17.5	9.17	31.6	0.644	49.17	1.19	1.5	21.7	109	1510	< 1	5	240	5620	0.66	57	27	41	< 0.5	< 2	0.89
GC22-0858-018	197	None	16.2	8.20	66.4	1.32	50.21	1.09	2.0	16.3	148	1690	< 1	5	585	4060	0.55	89	24	25	< 0.5	< 2	1.82
F012067	> 5000																						
1318005087	246	Slight	-15.0	8.76	51.6	0.775	66.58	0.79	14.2	1.9	21	554	< 1	17	320	717	0.72	59	25	42	< 0.5	< 2	1.79
GC22-0860-013	195	Slight	22.5	9.24	48.0	1.88	25.49	0.43	0.8	0.7	38	1190	< 1	5	32	203	1.38	38	25	25	< 0.5	< 2	1.85
GC22-0836-010	438	None	35.1	9.32	74.7	1.88	39.69	0.54	0.7	2.8	45	1960	< 1	5	278	726	0.49	62	24	22	< 0.5	< 2	2.01
GC22-0771-001	72	Slight	30.7	9.48	62.3	1.97	31.66	0.48	0.3	< 0.5	29	2200	< 1	4	50	133	0.46	75	26	27	< 0.5	< 2	2.24
1318005081	1610	Slight	9.86	9.26	44.4	1.29	34.55	0.61	26.3	3.1	33	702	< 1	8	192	955	0.64	68	29	35	< 0.5	< 2	1.90
GC22-0835-008	138	None	-59.3	8.59	12.3	0.171	71.57	0.94	0.3	1.0	17	308	< 1	23	14	242	0.69	118	23	30	< 0.5	< 2	0.72
GC22-0801-013	492	Slight	7.55	8.96	56.0	1.16	48.46	0.61	0.7	3.5	60	962	< 1	6	8	802	0.55	83	22	25	< 0.5	< 2	1.97
GC22-0857-013	2200	None	-77.1	8.89	17.6	0.186	94.70	1.06	1.9	9.8	66	980	2	4	73	2480	0.84	80	26	16	< 0.5	< 2	0.50

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0783-011	636	Slight	-22.8	8.95	40.3	0.639	63.10	1.02	1.9	18.1	86	1210	< 1	5	132	3960	0.75	84	29	38	< 0.5	< 2	1.18
GC22-0853-009	214	Slight	-15.7	9.03	32.4	0.673	48.09	0.49	1.2	0.9	33	787	< 1	5	164	288	1.17	40	24	29	< 0.5	< 2	1.28
1312004114	227	Slight	-87.0	8.95	20.2	0.188	107.11	1.23	0.9	< 0.5	78	460	< 1	19	5	80	1.94	49	24	31	< 0.5	7	0.67
1312003156	284	None	-71.6	8.41	8.24	0.103	79.82	0.68	0.3	< 0.5	11	398	< 1	6	4	94	1.93	24	24	28	< 0.5	5	0.41
GC22-0753-011	102	Slight	10.4	9.22	50.3	1.26	39.84	0.49	0.4	< 0.5	18	1240	< 1	5	29	73	1.31	52	22	34	< 0.5	< 2	1.87
GC22-0833-020	456	Slight	-36.6	8.82	40.8	0.527	77.38	0.67	1.7	1.0	67	628	< 1	7	14	245	0.70	239	20	27	< 0.5	3	1.26
GC22-0854-013	255	Slight	-1.02	8.92	58.7	0.983	59.75	0.64	0.9	2.9	44	976	< 1	7	9	661	0.58	123	18	28	< 0.5	< 2	2.03
GC22-0854-020	325	None	-80.2	8.59	12.5	0.134	92.70	0.70	1.4	4.9	88	244	< 1	6	14	1140	0.70	213	20	20	< 0.5	< 2	0.44
GC22-0800-017	475	None	-45.7	8.61	21.6	0.322	67.33	1.13	1.4	21.8	130	700	< 1	4	188	5310	0.62	489	24	40	< 0.5	< 2	0.57
GC22-0772-016	157	Slight	-75.2	9.24	22.4	0.230	97.60	0.27	0.4	0.6	71	717	< 1	9	10	339	3.03	10	25	48	< 0.5	< 2	1.52
1318008031	1000	None	-66.9	8.71	9.97	0.130	76.91	2.26	1.7	27.7	75	1380	< 1	13	275	6190	2.10	232	25	28	< 0.5	< 2	0.20
1318005049	2010	None	-63.2	8.82	6.23	0.0898	69.38	0.77	3.9	8.4	43	997	< 1	16	262	1790	1.65	161	23	22	< 0.5	< 2	0.29
1318005012	212	Slight	19.5	9.20	48.1	1.68	28.54	0.54	3.9	0.6	23	799	< 1	16	64	202	0.89	40	23	28	< 0.5	< 2	1.98
GC22-0859-001	199	Slight	3.88	9.09	35.2	1.12	31.33	0.51	0.5	1.2	28	792	< 1	6	45	272	2.44	47	22	35	< 0.5	< 2	1.91
GC22-0783-010	871	Slight	-21.3	9.22	26.9	0.558	48.21	0.75	1.4	9.4	44	1080	< 1	5	80	2290	1.15	58	23	57	< 0.5	< 2	0.84
1318005104	654	Slight	-20.4	8.87	51.1	0.714	71.50	1.02	4.2	11.6	102	1070	< 1	9	211	2560	0.93	220	22	26	< 0.5	< 2	1.90
GC22-0860-001	99	Slight	-5.65	9.22	23.7	0.807	29.34	0.40	0.4	< 0.5	17	559	< 1	5	63	212	2.55	44	22	37	< 0.5	< 2	1.59
1318005144	19	None	13.1	9.25	15.4	6.62	2.33	0.21	0.3	< 0.5	124	651	< 1	52	10	75	4.82	< 2	28	11	< 0.5	< 2	2.91
F012066	1190																						
F012057	349																						
13180120087	> 5000	Slight	-13.4	8.96	26.9	0.668	40.30	0.83	4.4	13.2	100	775	< 1	5	20	2920	1.22	374	26	49	< 0.5	< 2	0.86
13180120241	105	Slight	-0.858	8.94	21.7	0.962	22.54	0.34	0.3	0.5	17	617	< 1	5	39	196	1.92	28	21	24	< 0.5	< 2	1.19
GC22-5147-014	250	None	19.8	8.84	61.9	1.47	42.13	0.54	2.5	< 0.5	22	999	1	7	65	177	1.24	28	20	25	< 0.5	< 2	1.49
1318003019	304	Slight	-5.30	9.17	29.7	0.849	35.01	0.49	1.3	2.4	38	961	< 1	11	127	691	1.48	37	22	36	< 0.5	< 2	1.55
GC22-0706-020	267	Slight	-30.4	8.22	59.0	0.660	89.35	0.92	1.1	1.6	13	717	< 1	15	395	447	0.44	34	24	26	< 0.5	< 2	2.41
GC22-0866-021	83	Slight	0.598	9.38	33.7	1.02	33.09	0.42	1.1	1.6	30	696	2	5	63	383	1.06	97	23	37	< 0.5	< 2	1.81
GC22-0880-019	319	Slight	-7.02	9.00	46.7	0.869	53.71	1.04	0.9	18.8	57	1790	< 1	5	59	4350	1.16	74	22	22	< 0.5	< 2	1.66
13180120116	1370	Slight	-18.1	8.93	15.9	0.469	34.01	0.70	0.9	13.4	63	893	< 1	5	100	3140	1.19	62	25	55	< 0.5	< 2	0.54
GC22-0848-011	464	Slight	-16.8	9.10	18.4	0.523	35.20	0.48	0.8	1.3	18	895	1	6	34	345	2.10	48	25	30	< 0.5	< 2	1.09
GC22-0896-001	286	Slight	45.6	9.28	66.0	3.24	20.38	0.50	0.5	< 0.5	31	1120	< 1	5	18	99	1.70	70	21	39	< 0.5	< 2	2.67
13180120098	1430	Slight	-21.9	8.95	22.2	0.503	44.16	0.99	2.6	19.2	122	975	< 1	6	224	4640	1.42	67	25	34	< 0.5	< 2	0.71
GC22-0885-006	282	Slight	-10.1	9.22	23.7	0.700	33.85	0.38	0.5	< 0.5	20	605	< 1	7	32	140	2.30	32	26	31	< 0.5	< 2	1.40
GC22-0884-013	166	Slight	9.54	9.33	40.7	1.31	31.18	0.51	0.4	5.1	32	1160	< 1	5	97	1130	1.40	36	23	21	< 0.5	< 2	1.71
GC22-0778-014	152	Slight	52.7	8.85	99.9	2.11	47.26	0.72	2.9	1.4	52	1210	1	41	149	320	1.74	49	25	33	1.4	< 2	3.97
20221024001	49	None	-51.6	8.49	6.72	0.115	58.34	0.48	0.5	< 0.5	36	377	< 1	8	17	164	1.48	3	23	37	< 0.5	< 2	0.30
1318003033	43	Slight	17.5	9.07	60.5	1.41	42.94	0.93	0.5	< 0.5	116	858	< 1	204	9	212	2.46	21	23	41	< 0.5	< 2	2.42
1318003115	214	Slight	26.7	9.18	54.7	1.95	28.00	0.72	0.9	0.6	23	1430	< 1	44	75	231	1.49	47	29	32	< 0.5	< 2	2.24
DUG22-2545	91	None	-19.3	9.69	35.2	0.646	54.48	0.62	0.9	2.8	99	786	2	8	120	745	2.83	38	28	50	< 0.5	< 2	1.48
1318003112	172	Slight	2.33	9.01	33.9	1.07	31.57	0.53	0.7	0.7	25	850	< 1	24	102	268	1.34	47	26	56	< 0.5	< 2	1.70
GC22-0886-009FD	1480	Slight	29.2	9.11	58.6	1.99	29.40	0.62	2.6	2.3	133	1100	< 1	6	158	608	1.66	46	20	26	< 0.5	< 2	2.33
1318003107	337	Slight	-8.65	9.31	20.7	0.705	29.36	0.50	0.7	2.1	45	709	< 1	8	63	629	1.58	46	27	35	< 0.5	< 2	1.39
GC22-0869-001	120	Slight	34.4	9.12	67.0	2.06	32.57	0.40	0.4	0.6	22	1290	< 1	5	28	188	1.22	64	22	19	< 0.5	< 2	2.42
1318003104	24	Slight	39.6	9.27	55.9	3.42	16.32	0.58	0.3	< 0.5	39	855	< 1	26	9	150	2.67	3	26	80	< 0.5	< 2	2.72
GC22-0845-002	630	Slight	9.62	9.15	53.7	1.22	44.08	0.63	1.2	2.9	60	1190	< 1	6	188	844	1.31	87	22	29	< 0.5	< 2	1.99
GC22-0887-012	> 5000	Slight	-39.8	9.04	18.0	0.311	57.80	1.11	3.8	20.5	109	904	< 1	4	86	4940	1.39	62	29	27	< 0.5	2	0.70
F013253	1070																						
F013267	1050																						
13180120289	2100	Slight	0.105	9.18	27.9	1.00	27.82	0.47	0.4	0.9	14	949	2	17	33	334	2.25	47	31	33	< 0.5	< 2	1.31

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1430001089	76	Slight	30.9	8.85	102	1.43	71.24	1.09	0.4	< 0.5	234	1490	< 1	56	< 2	108	3.35	6	27	< 10	< 0.5	2	3.50
GC22-0848-002	> 5000	Slight	22.2	9.12	59.7	1.59	37.44	0.63	3.5	6.5	68	1500	< 1	5	195	1790	1.45	88	23	22	< 0.5	< 2	2.18
GC22-0894-008	1520	Slight	11.2	9.15	52.0	1.27	40.78	0.44	0.4	0.7	20	1220	< 1	5	44	230	0.85	84	27	26	< 0.5	< 2	1.67
13180120015	229	Slight	16.8	9.17	62.5	1.37	45.68	0.76	1.3	8.2	115	2110	< 1	6	187	1950	0.68	57	26	22	< 0.5	< 2	2.16
2022102701	154	None	-61.2	4.47	0.500	0.00811	61.65	0.62	0.9	3.1	107	419	< 1	9	22	926	1.61	13	25	31	< 0.5	< 2	0.07
1430001149	60	Slight	22.2	8.77	109	1.26	86.35	1.66	0.4	< 0.5	237	1490	< 1	63	< 2	136	3.72	5	25	16	< 0.5	3	3.47
GC22-0897-001	485	Slight	-5.00	9.20	46.1	0.902	51.08	0.94	2.3	14.0	38	1010	< 1	4	407	3220	1.42	86	23	41	< 0.5	< 2	1.69
13180120056	157	Slight	-2.59	9.29	27.0	0.912	29.55	0.44	0.4	3.0	32	683	< 1	7	49	672	0.75	68	27	24	< 0.5	< 2	0.99
13180120040	793	Slight	53.1	9.35	76.6	3.27	23.44	0.53	0.8	0.9	24	1810	< 1	5	45	249	1.03	49	28	28	< 0.5	< 2	2.45
DUG22-2631	522	None	-130	9.30	3.49	0.0262	133.15	1.19	8.5	8.9	251	605	1	19	618	2260	1.85	95	28	19	< 0.5	< 2	0.95
MUG22-4466	1510	None	-53.0	9.60	4.98	0.0860	57.98	0.55	32.4	1.3	85	701	< 1	6	251	358	1.81	69	29	42	< 0.5	< 2	0.63
13180120004	250	None	-25.7	9.29	29.6	0.535	55.36	0.80	2.0	13.1	84	943	< 1	6	502	3070	0.66	128	25	24	< 0.5	< 2	0.93
13180120156	1030	None	-37.2	9.18	6.74	0.153	43.96	0.99	1.1	16.9	65	709	< 1	6	15	3840	1.28	93	26	32	< 0.5	< 2	0.48
DUG22-2706	202	None	-31.7	9.69	17.7	0.358	49.40	0.48	5.8	1.1	48	59	< 1	4	190	290	0.57	48	26	37	< 0.5	< 2	0.92
1430001003	30	Slight	-51.1	8.62	39.2	0.434	90.30	0.94	< 0.2	< 0.5	32	382	3	24	< 2	32	1.68	< 2	24	22	< 0.5	< 2	2.31
DUG22-2700	426	None	-57.7	9.34	8.24	0.125	65.93	0.46	12.2	2.2	113	66	< 1	5	120	659	0.51	54	24	33	< 0.5	< 2	0.10
GC22-0875-001	59	Slight	32.6	9.53	57.2	2.32	24.61	0.41	0.5	< 0.5	21	956	< 1	8	26	90	1.30	32	22	29	< 0.5	< 2	2.32
GC22-0875-018	140	Slight	14.3	9.56	39.1	1.57	24.88	0.38	2.3	1.2	53	950	< 1	5	407	360	1.56	37	31	21	< 0.5	< 2	1.52
GC22-0846-013	674	Slight	24.7	9.60	49.7	1.99	25.01	0.34	0.5	< 0.5	14	972	< 1	5	31	46	1.70	103	21	30	< 0.5	< 2	2.19
1430001116	30	Slight	32.9	9.34	77.3	1.74	44.42	0.53	< 0.2	< 0.5	8	474	1	11	< 2	30	1.50	3	26	35	< 0.5	< 2	2.72
F013257	540																						
F013264	538																						
GC22-0871-004	232	None	-14.7	9.53	12.7	0.464	27.42	0.33															
1432028305	282	None	-10.5	9.28	27.9	0.726	38.47	0.43															
GC22-0624-001	23	None	-2.49	8.11	4.99	0.667	7.48	0.15															

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1319066107	12	15	2.85	< 10	< 1	0.30	19	0.93	0.090	0.057	0.77	6	2	84	0.08	< 1	< 2	< 10	27	< 10	5	17	0.75
GC22-0669-005	7	3	2.58	< 10	< 1	0.16	12	0.37	0.015	0.043	2.72	4	< 1	35	< 0.01	< 1	< 2	< 10	2	< 10	4	17	0.81
1319066150	13	16	3.49	< 10	< 1	0.37	15	0.82	0.093	0.053	1.28	< 2	2	54	0.12	6	< 2	< 10	44	< 10	5	23	0.72
GC22-0686-005	6	4	1.47	< 10	< 1	0.27	< 10	0.14	0.012	0.043	1.59	6	< 1	40	< 0.01	< 1	< 2	< 10	3	< 10	2	16	0.72
GC22-0865-009	7	4	1.67	< 10	< 1	0.29	16	0.48	0.015	0.045	1.03	< 2	< 1	11	< 0.01	< 1	< 2	< 10	4	< 10	2	17	0.28
1319070165	15	23	3.40	< 10	< 1	0.50	21	1.25	0.079	0.068	0.56	2	5	68	0.11	1	< 2	< 10	56	< 10	6	13	0.84
1319066164	44	50	11.1	10	< 1	0.51	< 10	1.39	0.268	0.072	3.04	6	13	86	0.27	2	< 2	< 10	248	< 10	13	5	0.71
GC22-0798-006	10	6	2.88	< 10	< 1	0.27	< 10	0.06	0.009	0.030	3.42	9	< 1	18	< 0.01	< 1	< 2	< 10	3	< 10	1	19	0.27
GC22-0737-012	7	4	1.56	< 10	< 1	0.21	< 10	0.07	0.011	0.044	1.67	2	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	2	15	0.71
GC22-0688-005	7	6	1.84	< 10	< 1	0.22	15	0.75	0.023	0.042	1.45	2	< 1	17	0.03	< 1	< 2	< 10	6	< 10	2	25	0.21
GC22-0668-004	7	5	1.76	< 10	< 1	0.22	15	0.74	0.015	0.040	1.25	2	< 1	16	< 0.01	< 1	< 2	< 10	4	< 10	2	18	0.54
GC22-0731-004	8	4	1.50	< 10	< 1	0.21	15	0.12	0.016	0.043	1.69	2	< 1	23	< 0.01	1	< 2	< 10	3	< 10	2	18	0.51
1319066147	31	34	6.67	< 10	1	0.43	< 10	1.01	0.145	0.060	1.33	3	10	61	0.21	2	< 2	< 10	147	< 10	10	13	0.72
GC22-0683-001	9	4	2.59	< 10	< 1	0.22	13	0.16	0.012	0.042	2.68	32	< 1	7	< 0.01	< 1	< 2	< 10	3	< 10	2	21	< 0.01
GC22-0735-008	9	3	1.81	< 10	< 1	0.22	15	0.40	0.100	0.037	1.12	2	< 1	60	< 0.01	< 1	< 2	< 10	4	< 10	2	18	0.49
GC22-0709-002	21	42	4.18	< 10	< 1	0.05	< 10	1.70	0.585	0.021	0.22	2	7	66	0.20	< 1	< 2	< 10	124	< 10	5	4	0.03
GC22-0702-009FD	9	52	4.20	< 10	< 1	0.24	14	0.64	0.019	0.046	4.17	3	2	37	0.06	< 1	< 2	< 10	13	< 10	2	16	0.10
1319070047	24	44	5.71	< 10	< 1	0.26	< 10	1.20	0.138	0.070	0.95	3	10	77	0.24	< 1	< 2	< 10	118	< 10	10	11	0.80
GC22-0704-003	8	4	1.36	< 10	< 1	0.24	16	0.53	0.056	0.049	1.02	< 2	< 1	33	0.03	2	< 2	< 10	5	< 10	2	15	0.44
GC22-0744-006	9	4	2.76	< 10	< 1	0.25	< 10	0.15	0.015	0.041	3.11	< 2	< 1	13	< 0.01	< 1	< 2	< 10	3	< 10	2	18	0.53
GC22-0688-007	7	5	1.96	< 10	< 1	0.26	13	0.63	0.014	0.038	1.53	3	< 1	18	< 0.01	< 1	< 2	< 10	4	< 10	2	19	0.64
F012555																							
GC22-0429-015	34	16	4.69	< 10	< 1	0.17	11	2.20	0.174	0.069	1.49	3	7	126	0.21	3	< 2	< 10	81	< 10	4	13	0.20
GC22-0454-021	8	4	1.15	< 10	< 1	0.28	11	0.14	0.010	0.039	1.07	< 2	< 1	30	< 0.01	< 1	< 2	< 10	3	< 10	2	15	0.61
GC22-0746-018	10	8	2.15	< 10	< 1	0.23	16	0.25	0.033	0.047	2.02	3	1	42	< 0.01	< 1	< 2	< 10	13	< 10	2	20	0.24
GC22-0729-014	7	3	1.41	< 10	< 1	0.19	15	0.16	0.019	0.042	1.53	< 2	< 1	25	< 0.01	< 1	< 2	< 10	3	< 10	2	17	0.54
GC22-0730-014	7	34	1.67	< 10	< 1	0.05	< 10	0.62	0.108	0.036	0.19	3	1	82	0.03	1	< 2	< 10	13	< 10	2	11	0.10
GC22-0689-019	8	8	1.51	< 10	< 1	0.08	< 10	0.51	0.071	0.033	0.17	< 2	< 1	63	< 0.01	1	< 2	< 10	9	< 10	1	9	0.24
GC22-0689-020	7	6	3.02	< 10	< 1	0.20	13	0.36	0.036	0.036	2.68	2	< 1	27	< 0.01	< 1	< 2	< 10	4	< 10	2	18	0.51
GC22-5131-018	8	5	2.16	< 10	< 1	0.18	< 10	0.19	0.022	0.037	2.24	5	< 1	17	< 0.01	< 1	< 2	< 10	4	< 10	< 1	13	< 0.01
GC22-0664-014	14	6	1.96	< 10	< 1	0.21	17	0.60	0.015	0.049	1.85	4	< 1	18	< 0.01	2	< 2	< 10	5	< 10	2	22	0.43
GC22-0568-016	7	6	1.65	< 10	< 1	0.25	17	0.63	0.012	0.044	0.83	3	< 1	20	< 0.01	< 1	< 2	< 10	5	< 10	2	15	0.38
GC22-0588-014	6	4	4.02	< 10	< 1	0.20	< 10	0.18	0.014	0.041	4.58	4	< 1	15	< 0.01	< 1	< 2	< 10	3	< 10	2	16	0.69
GC22-0587-017	11	7	9.43	< 10	< 1	0.20	27	0.14	0.017	0.057	11.3	6	< 1	9	< 0.01	< 1	< 2	< 10	5	< 10	4	36	0.12
1431022134	10	10	2.29	< 10	< 1	0.18	< 10	0.88	0.057	0.048	1.30	< 2	1	66	0.02	< 1	< 2	< 10	13	< 10	2	10	0.73
GC22-0595-014	13	5	3.63	< 10	< 1	0.18	10	1.08	0.076	0.041	2.27	< 2	1	51	< 0.01	1	< 2	< 10	11	< 10	3	34	0.10
GC22-0579-014	8	5	1.33	< 10	< 1	0.22	10	0.03	0.009	0.041	1.32	6	< 1	41	< 0.01	< 1	< 2	< 10	2	< 10	2	14	0.51
GC22-0755-015	7	5	2.65	< 10	< 1	0.25	13	1.07	0.088	0.039	2.28	2	1	51	0.04	3	< 2	< 10	10	< 10	3	27	0.15
GC22-5152-014	8	4	2.13	< 10	< 1	0.14	< 10	1.02	0.028	0.041	2.10	2	< 1	37	< 0.01	2	< 2	< 10	4	< 10	2	12	0.93
1431021364	11	8	2.33	< 10	< 1	0.07	19	1.21	0.057	0.064	1.59	< 2	< 1	41	< 0.01	2	< 2	< 10	11	< 10	3	10	0.01
GC22-0508-017	7	8	1.97	< 10	< 1	0.20	15	0.63	0.028	0.043	1.62	2	< 1	21	< 0.01	< 1	< 2	< 10	5	< 10	2	26	0.36
1431022020	9	4	2.16	< 10	< 1	0.16	< 10	0.95	0.038	0.040	1.85	3	< 1	51	< 0.01	2	< 2	< 10	5	< 10	2	12	0.94
F012553																							
GC22-0543-017	7	4	1.89	< 10	< 1	0.13	< 10	0.86	0.028	0.040	1.50	2	< 1	45	< 0.01	< 1	< 2	< 10	4	< 10	2	8	0.88
GC22-0855-017	7	4	1.88	< 10	< 1	0.18	14	0.83	0.043	0.039	1.40	2	< 1	32	0.02	2	< 2	< 10	5	< 10	3	27	0.38
GC22-5132-014	8	5	2.28	< 10	< 1	0.15	< 10	1.24	0.029	0.042	2.16	8	< 1	49	< 0.01	3	< 2	< 10	5	< 10	2	12	0.85
GC22-5132-015	9	6	2.14	< 10	< 1	0.13	< 10	1.11	0.030	0.046	2.04	9	< 1	48	< 0.01	2	< 2	< 10	5	< 10	1	13	0.77
GC22-0855-001	9	13	2.44	< 10	< 1	0.33	23	0.84	0.047	0.067	0.79	< 2	2	31	0.14	2	< 2	< 10	28	< 10	4	17	0.51
GC22-0878-007	9	5	2.01	< 10	< 1	0.23	14	0.68	0.063	0.045	1.73	2	< 1	39	< 0.01	2	< 2	< 10	8	< 10	3	24	0.43
GC22-0716-018	4	4	2.00	< 10	< 1	0.14	< 10	0.44	0.210	0.033	1.12	< 2	< 1	131	< 0.01	< 1	< 2	< 10	5	< 10	2	12	0.06

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0878-014	7	5	1.88	< 10	< 1	0.19	16	1.10	0.125	0.040	0.96	< 2	< 1	45	0.02	< 1	< 2	< 10	8	< 10	3	22	0.24
STUG22-1061	14	8	3.89	< 10	3	0.21	14	0.12	0.023	0.075	4.12	73	< 1	17	< 0.01	9	< 2	< 10	6	< 10	4	11	0.01
GC22-5135-020	8	5	2.03	< 10	< 1	0.17	< 10	0.70	0.026	0.039	2.03	8	< 1	33	< 0.01	< 1	< 2	< 10	3	< 10	1	12	0.61
GC22-0879-017	6	7	1.99	< 10	< 1	0.25	12	0.75	0.012	0.043	1.21	< 2	< 1	26	< 0.01	< 1	< 2	< 10	4	< 10	3	16	1.07
STUG22-1042	17	4	3.74	< 10	2	0.23	12	0.13	0.026	0.072	4.22	33	< 1	17	< 0.01	3	< 2	< 10	6	< 10	4	13	< 0.01
1312005039	7	9	4.34	< 10	< 1	0.19	14	1.58	0.043	0.042	1.22	2	1	40	< 0.01	1	< 2	< 10	13	< 10	3	23	0.16
GC22-0847-016	8	5	1.90	< 10	< 1	0.19	16	1.02	0.144	0.041	0.62	2	< 1	90	< 0.01	< 1	< 2	< 10	10	< 10	3	15	0.40
GC22-5041-020	6	9	1.61	< 10	< 1	0.09	18	0.85	0.110	0.042	0.47	< 2	1	92	< 0.01	4	< 2	< 10	13	< 10	4	13	0.07
1312004516	9	9	2.13	< 10	< 1	0.21	12	1.38	0.226	0.043	0.49	< 2	2	238	0.02	< 1	< 2	< 10	18	< 10	3	24	0.19
GC22-0851-012	7	5	1.92	< 10	< 1	0.22	15	1.12	0.015	0.038	1.26	2	< 1	25	0.04	< 1	< 2	< 10	7	< 10	2	26	0.47
1312004448	6	14	2.41	< 10	< 1	0.09	19	0.92	0.115	0.047	1.68	< 2	1	109	< 0.01	< 1	< 2	< 10	10	< 10	3	19	0.21
F012552																							
GC22-0754-016	8	8	2.95	< 10	< 1	0.18	11	1.08	0.258	0.038	1.87	2	1	152	0.02	< 1	< 2	< 10	12	< 10	3	22	0.09
GC22-0841-002	11	6	2.31	< 10	< 1	0.21	14	0.71	0.066	0.045	1.52	2	< 1	55	< 0.01	< 1	< 2	< 10	8	< 10	3	20	0.45
GC22-0814-017	9	3	2.24	< 10	< 1	0.13	< 10	0.43	0.028	0.047	2.28	4	< 1	14	< 0.01	< 1	< 2	< 10	3	< 10	1	13	0.20
GC22-0810-015	9	5	1.38	< 10	< 1	0.26	16	0.60	0.018	0.051	1.10	< 2	< 1	21	< 0.01	< 1	< 2	< 10	5	< 10	2	16	0.29
GC22-0812-018	7	3	2.18	< 10	< 1	0.12	< 10	0.93	0.032	0.040	1.95	2	< 1	25	< 0.01	< 1	< 2	< 10	4	< 10	1	10	0.67
GC22-5153-017	9	5	2.22	< 10	< 1	0.15	< 10	0.44	0.022	0.042	2.30	7	< 1	27	< 0.01	4	< 2	< 10	3	< 10	1	14	0.29
GC22-5150-017	8	4	2.15	< 10	< 1	0.11	< 10	1.04	0.033	0.040	1.61	2	< 1	49	< 0.01	1	< 2	< 10	4	< 10	2	8	1.01
1431023119	19	12	5.39	< 10	< 1	0.15	< 10	1.85	0.043	0.047	2.14	3	6	61	0.03	1	< 2	< 10	100	< 10	6	14	1.91
GC22-0862-014	2	5	2.79	< 10	< 1	0.11	11	0.69	0.172	0.034	1.08	< 2	< 1	134	< 0.01	2	< 2	< 10	7	< 10	3	14	0.06
GC22-0360-007	36	38	10.1	10	1	0.15	< 10	2.06	0.013	0.080	5.05	6	9	8	0.10	4	< 2	< 10	99	< 10	13	10	0.29
GC22-0346-014	8	10	2.79	< 10	< 1	0.22	13	1.16	0.069	0.044	1.46	2	< 1	37	< 0.01	2	< 2	< 10	11	< 10	3	10	0.59
GC22-0707-019	7	4	1.81	< 10	< 1	0.20	< 10	0.11	0.014	0.039	1.93	15	< 1	19	< 0.01	< 1	< 2	< 10	3	< 10	3	14	0.63
GC22-0760-010	41	3	10.4	10	< 1	0.02	< 10	3.07	0.015	0.039	3.25	6	13	29	0.01	< 1	< 2	< 10	383	< 10	5	5	1.01
GC22-5136-016	9	5	2.10	< 10	< 1	0.14	< 10	0.21	0.019	0.045	2.15	6	< 1	22	< 0.01	9	< 2	< 10	3	< 10	< 1	11	0.07
1318007625	10	18	2.21	< 10	< 1	0.24	14	1.26	0.031	0.047	1.57	2	1	39	< 0.01	< 1	< 2	< 10	11	< 10	3	18	0.84
1318006353	31	41	6.21	< 10	< 1	0.30	11	1.23	0.072	0.068	2.84	2	6	52	0.25	6	< 2	< 10	103	< 10	8	15	0.52
1431023337	37	84	7.54	< 10	< 1	0.09	< 10	2.21	0.026	0.047	2.28	3	7	24	< 0.01	< 1	< 2	< 10	62	< 10	8	10	1.08
1318007631	8	3	2.74	< 10	< 1	0.19	< 10	0.25	0.014	0.041	2.97	3	< 1	57	< 0.01	< 1	< 2	< 10	2	< 10	2	22	0.56
1431023381	41	142	8.05	10	1	0.03	< 10	3.05	0.085	0.029	1.03	5	11	49	< 0.01	2	< 2	< 10	152	< 10	5	4	2.08
DUG22-2497	8	4	2.23	< 10	< 1	0.26	< 10	0.10	0.021	0.035	2.32	6	< 1	10	< 0.01	< 1	< 2	< 10	3	< 10	2	11	< 0.01
GC22-0814-014	7	3	1.99	< 10	< 1	0.10	< 10	0.89	0.029	0.042	1.51	< 2	< 1	22	< 0.01	< 1	< 2	< 10	4	< 10	2	7	0.75
GC22-0823-017	12	6	2.04	< 10	< 1	0.24	10	0.67	0.019	0.048	1.52	2	< 1	51	< 0.01	< 1	< 2	< 10	4	< 10	2	18	0.97
GC22-0791-014	7	11	2.03	< 10	< 1	0.18	12	1.00	0.064	0.039	0.87	2	< 1	46	< 0.01	< 1	< 2	< 10	7	< 10	3	16	0.53
1318012226	7	4	2.04	< 10	< 1	0.27	17	0.75	0.020	0.043	1.68	< 2	< 1	33	0.03	2	< 2	< 10	7	< 10	3	23	0.20
F012551																							
GC22-0672-007	11	5	2.00	< 10	< 1	0.28	16	0.33	0.016	0.047	1.94	6	< 1	17	< 0.01	1	< 2	< 10	4	< 10	2	20	0.16
GC22-0730-012	11	5	1.65	< 10	< 1	0.22	15	0.66	0.121	0.042	1.39	< 2	< 1	58	0.01	< 1	< 2	< 10	8	< 10	2	19	0.22
GC22-0749-012	9	5	2.94	< 10	< 1	0.25	< 10	0.28	0.017	0.039	3.46	4	< 1	41	< 0.01	< 1	< 2	< 10	3	< 10	2	20	0.93
GC22-0654-012	8	6	1.86	< 10	< 1	0.31	15	0.85	0.128	0.039	0.46	3	< 1	63	0.07	< 1	< 2	< 10	10	< 10	3	14	0.38
1318002099	9	4	2.89	< 10	< 1	0.27	11	0.53	0.020	0.043	2.92	3	< 1	38	< 0.01	< 1	< 2	< 10	5	< 10	3	20	0.88
GC22-0677-013	7	5	1.85	< 10	< 1	0.25	14	0.54	0.016	0.040	1.58	3	< 1	13	< 0.01	< 1	< 2	< 10	4	< 10	2	19	0.33
GC22-0678-013	9	6	2.79	< 10	< 1	0.24	15	0.12	0.013	0.047	2.92	6	< 1	8	< 0.01	< 1	< 2	< 10	3	< 10	2	26	0.05
GC22-0732-018	8	6	1.72	< 10	< 1	0.25	13	0.12	0.047	0.040	1.78	< 2	< 1	28	0.02	< 1	< 2	< 10	4	< 10	2	22	0.18
GC22-0714-013	5	4	2.27	< 10	< 1	0.15	< 10	0.50	0.144	0.036	1.32	< 2	< 1	110	< 0.01	4	< 2	< 10	5	< 10	3	14	0.08
GC22-0515-007	38	129	6.95	< 10	1	0.14	10	1.94	0.016	0.061	2.27	4	7	8	< 0.01	6	< 2	< 10	53	< 10	7	12	0.34
GC22-0414-018	27	74	4.77	10	< 1	0.04	< 10	2.02	0.599	0.021	0.22	4	9	73	0.25	4	< 2	< 10	115	< 10	5	4	0.12
GC22-0353-014	34	24	8.22	< 10	< 1	0.10	< 10	1.61	0.055	0.057	6.65	3	7	48	< 0.01	< 1	< 2	< 10	44	< 10	8	8	1.95
GC22-2047-001	3	5	2.33	< 10	< 1	0.17	11	0.69	0.125	0.036	0.80	< 2	< 1	89	< 0.01	< 1	< 2	< 10	7	< 10	3	14	0.07
GC22-0703-	7	6	1.84	< 10	< 1	0.26	15	0.61	0.062	0.039	0.85	3	< 1	38	0.02	< 1	< 2	< 10	8	< 10	2	14	0.36

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
009FD																							
1318002361	12	58	2.09	< 10	< 1	0.26	16	1.08	0.060	0.043	0.60	< 2	1	48	0.11	3	< 2	< 10	16	< 10	3	18	0.19
GC22-0677-020	10	5	1.64	< 10	< 1	0.23	15	0.20	0.013	0.049	1.63	8	< 1	10	< 0.01	2	< 2	< 10	3	< 10	2	18	0.19
GC22-0504-001	14	20	3.02	< 10	< 1	0.20	19	1.60	0.096	0.046	0.25	3	2	51	0.04	< 1	< 2	< 10	35	< 10	4	10	1.16
GC22-0745-009FD	8	5	1.95	< 10	< 1	0.24	13	0.16	0.017	0.044	2.01	< 2	< 1	23	< 0.01	< 1	< 2	< 10	3	< 10	2	23	0.32
GC22-0705-013	8	6	2.34	< 10	< 1	0.25	17	0.17	0.015	0.044	2.37	3	< 1	16	< 0.01	< 1	< 2	< 10	4	< 10	2	16	0.52
GC22-0717-007	8	6	2.65	< 10	< 1	0.19	11	0.76	0.118	0.039	1.92	< 2	< 1	87	< 0.01	< 1	< 2	< 10	5	< 10	3	16	0.22
GC22-0862-012	5	4	2.43	< 10	< 1	0.15	10	0.45	0.116	0.035	1.46	< 2	< 1	116	< 0.01	< 1	< 2	< 10	6	< 10	3	19	0.02
GC22-0716-013	6	5	2.62	< 10	< 1	0.15	< 10	0.71	0.287	0.034	1.76	2	< 1	178	< 0.01	< 1	< 2	< 10	6	< 10	3	16	0.05
GC22-0715-019	13	5	4.11	< 10	< 1	0.20	18	1.07	0.024	0.054	3.79	3	< 1	17	< 0.01	< 1	< 2	< 10	8	< 10	4	30	0.03
GC22-0758-005	17	16	4.50	< 10	< 1	0.19	12	1.91	0.043	0.052	2.92	2	3	24	0.17	2	< 2	< 10	45	< 10	8	23	0.25
GC22-0684-015	6	6	1.78	< 10	< 1	0.29	11	0.61	0.011	0.040	1.36	3	< 1	26	< 0.01	< 1	< 2	< 10	3	< 10	2	14	0.96
1319070552	28	49	6.69	10	1	0.44	< 10	1.26	0.197	0.073	1.26	3	9	114	0.27	5	< 2	< 10	136	< 10	13	12	0.66
F012550																							
GC22-0417-016	25	58	4.73	< 10	< 1	0.05	< 10	1.95	0.476	0.021	0.09	3	7	71	0.33	< 1	< 2	< 10	134	< 10	5	4	0.07
GC22-0404-002	41	43	11.9	< 10	1	0.13	< 10	1.91	0.017	0.069	8.59	6	9	10	< 0.01	< 1	< 2	< 10	89	< 10	3	7	0.41
GC22-0420-021	12	10	4.11	< 10	< 1	0.25	22	1.35	0.018	0.064	3.41	3	1	8	< 0.01	< 1	< 2	< 10	12	< 10	3	33	0.09
GC22-0569-017	7	6	2.41	< 10	< 1	0.25	11	0.53	0.010	0.042	2.07	< 2	< 1	28	< 0.01	< 1	< 2	< 10	4	< 10	2	15	0.58
GC22-0422-021	31	98	5.48	< 10	1	0.03	< 10	3.16	0.444	0.020	0.11	4	15	95	0.31	1	< 2	< 10	155	< 10	6	4	0.13
GC22-0556-021	10	7	2.36	< 10	< 1	0.20	23	0.94	0.037	0.052	1.00	3	1	45	0.04	2	< 2	< 10	17	< 10	4	22	0.25
1312003418	23	45	4.39	< 10	< 1	0.02	< 10	1.46	0.611	0.021	0.09	< 2	5	63	0.28	1	< 2	< 10	125	< 10	5	4	0.18
GC22-0525-016	8	6	1.94	< 10	< 1	0.21	16	0.55	0.040	0.042	1.60	< 2	< 1	26	< 0.01	< 1	< 2	< 10	5	< 10	3	25	0.12
GC22-0560-020	7	6	1.89	< 10	< 1	0.18	15	0.74	0.011	0.039	1.04	3	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	2	18	0.55
GC22-0439-020	6	5	1.45	< 10	< 1	0.30	12	0.48	0.013	0.039	1.23	< 2	< 1	80	< 0.01	2	< 2	< 10	3	< 10	2	19	0.73
1312003445	25	69	4.64	< 10	< 1	0.04	< 10	1.96	0.420	0.022	0.30	3	7	68	0.32	6	< 2	< 10	125	< 10	5	6	0.10
1312003412	9	6	2.50	< 10	< 1	0.39	13	0.93	0.051	0.042	2.05	< 2	1	26	0.03	< 1	< 2	< 10	12	< 10	3	22	0.20
1312003430	10	8	3.35	< 10	< 1	0.15	14	1.26	0.080	0.044	1.89	2	< 1	35	0.02	3	< 2	< 10	11	< 10	3	24	0.19
GC22-0425-017	11	31	2.52	< 10	< 1	0.18	< 10	1.66	0.074	0.035	1.06	3	4	32	0.09	< 1	< 2	< 10	32	< 10	3	25	0.46
GC22-0524-016	12	8	2.36	< 10	< 1	0.14	23	0.73	0.038	0.066	0.94	3	1	38	0.07	1	< 2	< 10	15	18	5	11	0.14
GC22-0438-018	8	5	1.79	< 10	< 1	0.28	16	0.36	0.014	0.044	1.61	< 2	< 1	11	< 0.01	< 1	< 2	< 10	4	< 10	2	22	0.30
GC22-0586-018	7	7	1.68	< 10	< 1	0.24	< 10	0.12	0.010	0.042	1.71	4	< 1	37	< 0.01	< 1	< 2	< 10	3	< 10	2	14	0.55
GC22-0739-018	46	31	10.4	10	< 1	0.04	< 10	2.64	0.016	0.038	2.17	5	12	58	0.16	< 1	< 2	< 10	417	< 10	7	4	1.85
1312003449	9	6	3.28	< 10	< 1	0.19	14	1.26	0.088	0.041	1.91	2	< 1	40	0.01	< 1	< 2	< 10	12	< 10	3	23	0.14
GC22-0455-020	8	4	1.92	< 10	< 1	0.23	< 10	0.31	0.011	0.044	1.82	3	< 1	14	< 0.01	< 1	< 2	< 10	3	< 10	2	17	0.38
GC22-0413-020	10	7	3.67	< 10	< 1	0.19	14	1.16	0.017	0.051	3.09	4	< 1	7	< 0.01	1	< 2	< 10	8	< 10	2	20	0.09
F012556																							
1431022105	15	30	3.06	< 10	< 1	0.12	< 10	0.95	0.054	0.045	1.45	2	2	39	0.06	< 1	< 2	< 10	28	< 10	3	11	0.48
GC22-0788-001	46	622	7.76	10	1	0.09	27	4.40	0.013	0.158	1.11	7	19	21	0.02	< 1	< 2	< 10	109	< 10	17	8	0.31
GC22-0735-015	7	6	1.97	< 10	< 1	0.21	15	0.69	0.128	0.038	0.55	< 2	< 1	82	0.08	< 1	< 2	< 10	13	< 10	3	16	0.36
1432028201	8	4	2.21	< 10	< 1	0.15	< 10	0.75	0.040	0.041	1.89	< 2	< 1	39	< 0.01	< 1	< 2	< 10	4	< 10	2	12	1.00
GC22-0469-019	7	4	2.94	< 10	< 1	0.18	< 10	0.58	0.230	0.034	2.42	< 2	< 1	179	< 0.01	5	< 2	< 10	5	< 10	3	20	0.08
GC22-0784-001	42	92	7.92	< 10	1	0.15	< 10	2.60	0.015	0.045	3.78	6	8	10	0.02	< 1	< 2	< 10	78	< 10	8	9	0.11
GC22-0676-021	8	4	1.72	< 10	< 1	0.18	11	0.33	0.018	0.039	1.08	2	< 1	56	< 0.01	< 1	< 2	< 10	3	< 10	3	12	0.93
GC22-0474-017	8	7	2.85	< 10	< 1	0.19	13	0.93	0.055	0.050	1.60	< 2	< 1	38	0.01	2	< 2	< 10	9	< 10	3	22	0.03
GC22-0778-001	7	4	2.81	< 10	< 1	0.22	13	0.31	0.018	0.044	2.94	2	< 1	20	< 0.01	< 1	< 2	< 10	4	< 10	2	26	0.65
GC22-0343-016	41	114	8.18	10	< 1	0.07	< 10	3.63	0.053	0.036	0.95	4	9	55	< 0.01	< 1	< 2	< 10	108	< 10	7	5	1.96
GC22-0791-010	7	5	3.24	< 10	< 1	0.22	10	0.37	0.017	0.040	3.27	2	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	2	26	0.52
GC22-0750-017	9	5	2.54	< 10	< 1	0.20	13	0.07	0.011	0.044	2.81	8	< 1	12	< 0.01	< 1	< 2	< 10	2	< 10	2	22	0.14
1312003401	8	5	5.56	< 10	< 1	0.15	< 10	0.88	0.031	0.039	5.62	3	< 1	14	< 0.01	< 1	< 2	< 10	5	< 10	3	31	0.11
GC22-0686-016	8	5	2.11	< 10	< 1	0.14	14	0.43	0.054	0.040	1.82	< 2	< 1	43	< 0.01	5	< 2	< 10	5	< 10	2	14	0.43

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0662-015	10	6	2.45	< 10	< 1	0.13	22	0.94	0.040	0.056	1.30	< 2	1	44	< 0.01	< 1	< 2	< 10	12	< 10	3	14	0.60
1431022022	8	4	2.19	< 10	< 1	0.15	< 10	1.06	0.034	0.043	1.63	< 2	< 1	50	< 0.01	< 1	< 2	< 10	4	< 10	2	10	0.98
1432028278	8	5	2.09	< 10	< 1	0.12	< 10	0.79	0.032	0.042	1.62	< 2	< 1	44	< 0.01	< 1	< 2	< 10	4	< 10	2	10	0.74
GC22-0852-011	8	7	2.13	< 10	< 1	0.21	13	0.81	0.060	0.045	1.61	< 2	< 1	48	< 0.01	< 1	< 2	< 10	6	< 10	3	20	0.79
GC22-5145-025	6	4	1.79	< 10	< 1	0.11	< 10	0.93	0.035	0.039	1.00	< 2	< 1	47	< 0.01	4	< 2	< 10	4	< 10	1	7	0.99
GC22-0790-005	11	9	3.00	< 10	< 1	0.40	14	1.24	0.209	0.050	1.49	3	2	115	0.11	7	< 2	< 10	25	< 10	5	20	0.36
GC22-0818-005	12	4	3.06	< 10	< 1	0.20	13	0.79	0.022	0.050	2.77	3	< 1	40	< 0.01	< 1	< 2	< 10	7	< 10	3	21	0.82
1432028311	8	5	2.09	< 10	< 1	0.12	< 10	0.80	0.028	0.041	1.80	2	< 1	36	< 0.01	< 1	< 2	< 10	4	< 10	2	12	0.64
F012052																							
GC22-0419-020	10	6	2.88	< 10	< 1	0.22	13	0.14	0.038	0.043	2.80	3	< 1	24	< 0.01	< 1	< 2	< 10	4	< 10	2	32	0.04
GC22-0840-002	11	7	2.13	< 10	< 1	0.19	23	0.77	0.033	0.056	0.53	< 2	2	45	0.09	< 1	< 2	< 10	18	< 10	4	14	0.15
GC22-0815-005	11	6	2.58	< 10	< 1	0.26	21	0.82	0.031	0.056	1.61	2	1	27	< 0.01	2	< 2	< 10	14	< 10	3	25	0.24
GC22-0807-001	8	4	2.34	< 10	< 1	0.17	< 10	1.00	0.049	0.040	2.04	< 2	< 1	35	< 0.01	< 1	< 2	< 10	5	< 10	2	9	1.07
GC22-0806-019	8	4	1.98	< 10	< 1	0.25	14	0.73	0.023	0.044	1.40	< 2	< 1	59	< 0.01	< 1	< 2	< 10	5	< 10	3	18	0.85
DUG22-2057	10	7	2.33	< 10	< 1	0.18	11	0.02	0.018	0.054	2.53	12	< 1	13	< 0.01	2	< 2	< 10	3	< 10	2	15	0.01
1432028210	7	4	2.09	< 10	< 1	0.12	< 10	0.74	0.038	0.040	1.70	< 2	< 1	43	< 0.01	< 1	< 2	< 10	4	< 10	2	9	1.11
GC22-0811-008	10	6	2.28	< 10	< 1	0.23	26	1.00	0.049	0.056	1.10	3	1	44	0.03	< 1	< 2	< 10	17	< 10	4	13	0.32
1318004011	29	332	2.74	< 10	< 1	0.24	13	2.03	0.092	0.047	0.73	2	4	46	0.09	< 1	< 2	< 10	38	< 10	3	13	0.46
GC22-0821-012	8	5	2.10	< 10	< 1	0.24	12	0.94	0.069	0.041	1.68	2	< 1	78	< 0.01	< 1	< 2	< 10	6	< 10	3	19	0.73
GC22-0834-001	8	5	2.26	< 10	< 1	0.23	16	0.69	0.024	0.043	1.85	2	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	2	24	0.26
GC22-0808-001	7	4	2.43	< 10	< 1	0.21	14	0.72	0.015	0.043	2.06	5	< 1	29	< 0.01	< 1	< 2	< 10	5	< 10	3	15	1.02
1432028253	8	3	2.01	< 10	< 1	0.11	< 10	0.69	0.035	0.038	1.53	< 2	< 1	43	< 0.01	< 1	< 2	< 10	3	< 10	2	8	1.01
1432028134	8	5	2.01	< 10	< 1	0.12	< 10	0.84	0.036	0.039	1.41	< 2	< 1	33	< 0.01	< 1	< 2	< 10	4	< 10	2	9	1.09
GC22-0831-001	12	12	3.01	< 10	< 1	0.12	< 10	1.26	0.032	0.046	1.80	4	2	31	< 0.01	2	< 2	< 10	29	< 10	3	12	0.73
GC22-0806-009FD	8	8	2.70	< 10	< 1	0.30	12	0.99	0.164	0.045	2.35	2	< 1	120	0.05	< 1	< 2	< 10	10	< 10	3	26	0.47
GC22-0803-006	8	6	2.09	< 10	< 1	0.14	< 10	1.22	0.054	0.041	1.42	2	< 1	50	< 0.01	< 1	< 2	< 10	5	< 10	2	8	1.14
1318004143	7	4	2.13	< 10	< 1	0.20	15	0.59	0.016	0.039	1.87	3	< 1	14	< 0.01	< 1	< 2	< 10	4	< 10	2	23	0.43
GC22-0797-012	7	4	2.11	< 10	< 1	0.20	< 10	0.84	0.045	0.040	1.82	3	< 1	27	< 0.01	< 1	< 2	< 10	5	< 10	2	11	0.56
GC22-0838-011	10	6	2.41	< 10	< 1	0.21	23	0.79	0.031	0.055	1.60	3	1	25	0.01	< 1	< 2	< 10	13	< 10	4	26	0.22
GC22-0820-001	9	6	2.34	< 10	< 1	0.25	21	0.95	0.047	0.044	0.80	3	2	50	0.03	< 1	< 2	< 10	20	< 10	4	20	0.25
1318004027	8	10	2.02	< 10	< 1	0.20	15	0.76	0.040	0.040	1.58	< 2	< 1	24	0.02	< 1	< 2	< 10	7	< 10	3	24	0.38
GC22-0792-001	9	9	3.03	< 10	< 1	0.29	11	0.61	0.029	0.045	2.73	3	< 1	30	< 0.01	2	< 2	< 10	6	< 10	2	25	0.78
CG22-0830-001	18	2570	6.25	10	< 1	0.20	20	1.13	0.034	0.051	1.12	18	2	39	0.02	< 1	< 2	< 10	22	< 10	4	21	0.65
GC22-0827-012	11	23	2.35	< 10	< 1	0.17	13	1.03	0.054	0.050	1.82	< 2	2	55	< 0.01	< 1	< 2	< 10	15	< 10	2	12	0.65
GC22-0832-001	9	5	2.09	< 10	< 1	0.21	15	0.59	0.040	0.037	1.26	< 2	< 1	46	0.02	2	< 2	< 10	7	< 10	2	26	0.27
GC22-0839-001	16	7	2.50	< 10	< 1	0.24	25	0.57	0.042	0.051	1.58	2	1	42	0.02	< 1	< 2	< 10	13	< 10	4	26	0.09
GC22-0849-009FD	8	3	2.00	< 10	< 1	0.17	13	0.67	0.026	0.043	1.66	< 2	< 1	50	< 0.01	< 1	< 2	< 10	3	< 10	3	15	1.13
F012059																							
GC22-0770-008	7	4	2.61	< 10	< 1	0.27	< 10	0.61	0.009	0.041	2.23	2	< 1	171	< 0.01	< 1	< 2	< 10	4	< 10	2	18	0.73
GC22-0802-020	8	3	2.55	< 10	< 1	0.23	< 10	0.27	0.017	0.038	2.54	3	< 1	24	< 0.01	< 1	< 2	< 10	3	< 10	2	19	0.62
GC22-0801-009	5	5	1.55	< 10	< 1	0.19	17	0.39	0.033	0.051	1.15	3	< 1	65	< 0.01	1	< 2	< 10	5	< 10	2	15	0.39
GC22-0751-003	7	3	2.48	< 10	< 1	0.23	12	0.51	0.010	0.042	2.27	3	< 1	20	< 0.01	< 1	< 2	< 10	4	< 10	2	20	0.47
GC22-0825-001	8	3	1.91	< 10	< 1	0.19	14	0.41	0.013	0.044	1.81	3	< 1	17	< 0.01	< 1	< 2	< 10	4	< 10	2	18	0.29
GC22-0753-002	7	4	2.07	< 10	< 1	0.23	15	0.69	0.047	0.043	1.98	< 2	< 1	27	< 0.01	< 1	< 2	< 10	5	< 10	2	28	0.16
GC22-0796-007	7	3	2.55	< 10	< 1	0.31	< 10	0.51	0.009	0.041	2.52	3	< 1	64	< 0.01	< 1	< 2	< 10	4	< 10	2	15	0.48
1318004039	7	3	1.93	< 10	< 1	0.22	15	0.55	0.037	0.042	1.82	< 2	< 1	20	0.01	3	< 2	< 10	5	< 10	2	29	0.16
1318006266	7	6	2.15	< 10	< 1	0.26	15	1.03	0.132	0.042	1.43	< 2	< 1	63	< 0.01	< 1	< 2	< 10	9	< 10	3	21	0.42
GC22-0799-001	8	4	2.18	< 10	< 1	0.24	17	0.59	0.019	0.043	1.66	2	< 1	22	< 0.01	< 1	< 2	< 10	6	< 10	2	22	0.33
GC22-0797-020	7	3	1.88	< 10	< 1	0.12	< 10	0.68	0.040	0.044	1.57	< 2	< 1	34	< 0.01	< 1	< 2	< 10	3	< 10	1	9	0.68
GC22-0769-001	9	3	1.90	< 10	< 1	0.19	< 10	0.98	0.013	0.033	1.28	< 2	< 1	31	< 0.01	< 1	< 2	< 10	4	< 10	2	17	0.95

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0831-017	8	4	2.05	< 10	< 1	0.20	< 10	0.94	0.044	0.041	1.57	< 2	< 1	44	< 0.01	1	< 2	< 10	5	< 10	2	13	1.09
GC22-0794-001	10	4	2.18	< 10	< 1	0.25	21	0.57	0.014	0.051	1.48	3	< 1	20	< 0.01	< 1	< 2	< 10	7	< 10	4	19	0.61
GC22-0799-017	6	6	2.31	< 10	< 1	0.16	16	0.48	0.034	0.049	1.85	3	< 1	52	< 0.01	1	< 2	< 10	7	< 10	2	15	0.34
GC22-0828-005	10	7	2.37	< 10	< 1	0.19	25	1.02	0.079	0.057	0.81	3	1	69	0.03	< 1	< 2	< 10	16	< 10	4	12	0.22
GC22-0810-010	9	5	1.89	< 10	< 1	0.25	18	0.69	0.018	0.051	1.40	3	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	3	22	0.29
GC22-0802-017	10	3	3.17	< 10	< 1	0.18	10	0.20	0.017	0.040	3.46	< 2	< 1	25	< 0.01	1	< 2	< 10	2	< 10	2	21	0.52
1312004054	12	8	4.09	< 10	< 1	0.18	16	1.61	0.061	0.051	3.18	3	1	43	< 0.01	1	< 2	< 10	11	< 10	4	31	0.13
F012058																							
1318005023	8	4	2.54	< 10	< 1	0.24	14	0.29	0.021	0.041	2.61	2	< 1	15	< 0.01	3	< 2	< 10	5	< 10	2	21	0.36
1318005147	6	4	1.30	< 10	< 1	0.27	17	0.07	0.019	0.042	1.39	3	< 1	22	0.01	< 1	< 2	< 10	4	< 10	2	22	0.41
MUG22-4165	7	5	2.80	< 10	7	0.27	< 10	0.09	0.028	0.031	3.87	42	< 1	11	< 0.01	3	< 2	< 10	4	< 10	2	8	< 0.01
GC22-0714-016	5	5	2.62	< 10	< 1	0.13	10	0.47	0.100	0.035	1.68	< 2	< 1	86	0.01	< 1	< 2	< 10	6	< 10	3	15	0.09
GC22-0667-017	14	12	3.67	< 10	< 1	0.22	15	2.20	0.108	0.047	2.08	3	2	68	< 0.01	2	< 2	< 10	23	< 10	5	28	0.12
1318012229	7	4	2.99	< 10	< 1	0.27	14	0.85	0.014	0.036	2.56	3	< 1	14	0.04	3	< 2	< 10	8	< 10	2	30	0.11
1318012206	8	3	2.43	< 10	< 1	0.26	15	0.82	0.013	0.039	2.00	2	< 1	23	0.04	< 1	< 2	< 10	7	< 10	2	32	0.13
DUG22-2261	9	7	4.55	< 10	< 1	0.45	12	1.88	0.102	0.027	4.27	2	< 1	86	0.06	3	< 2	< 10	12	< 10	4	16	1.00
DUG22-2270	12	5	2.64	< 10	< 1	0.33	15	0.21	0.023	0.060	2.69	5	< 1	21	0.01	< 1	< 2	< 10	5	< 10	4	34	0.01
STUG22-1099	15	14	3.62	< 10	< 1	0.24	17	0.23	0.025	0.070	3.40	20	< 1	19	0.01	3	< 2	< 10	8	< 10	4	12	0.02
STUG22-1086	11	7	3.34	< 10	2	0.23	< 10	0.15	0.025	0.044	3.53	28	< 1	14	< 0.01	2	< 2	< 10	5	< 10	3	8	< 0.01
1318012161	6	5	2.70	< 10	< 1	0.36	15	0.91	0.012	0.045	1.74	3	< 1	18	0.04	3	< 2	< 10	8	< 10	2	29	0.23
DUG22-2216	9	7	2.34	< 10	< 1	0.39	11	0.55	0.067	0.038	2.38	3	< 1	62	0.03	1	< 2	< 10	7	< 10	3	22	0.14
DUG22-2272	8	10	2.31	< 10	< 1	0.45	11	1.27	0.057	0.042	1.83	2	1	58	0.06	5	< 2	< 10	13	< 10	3	18	0.02
DUG22-2176	7	7	1.90	< 10	< 1	0.56	11	0.95	0.120	0.036	1.55	< 2	1	85	0.07	3	< 2	< 10	13	< 10	2	13	0.04
DUG22-2303	10	10	2.17	< 10	< 1	0.32	17	1.08	0.088	0.062	0.82	2	< 1	85	0.09	1	< 2	< 10	14	< 10	3	21	0.05
GC22-0858-011	7	3	1.83	< 10	< 1	0.21	13	0.83	0.012	0.039	1.48	< 2	< 1	25	< 0.01	< 1	< 2	< 10	4	< 10	2	17	0.73
GC22-0858-007	7	3	1.74	< 10	< 1	0.18	15	1.06	0.016	0.039	1.16	2	< 1	20	0.01	2	< 2	< 10	7	< 10	2	23	0.44
1318005180	10	7	5.35	< 10	< 1	0.31	17	1.15	0.020	0.054	5.23	5	< 1	9	< 0.01	< 1	< 2	< 10	11	< 10	2	22	0.10
1318005040	10	9	3.10	< 10	< 1	0.33	16	1.65	0.033	0.048	2.45	4	1	14	0.03	2	< 2	< 10	14	< 10	3	28	0.38
1318005170	7	13	1.18	< 10	< 1	0.10	< 10	0.22	0.037	0.038	0.65	2	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	1	9	0.23
GC22-0837-017	6	4	2.09	< 10	< 1	0.36	< 10	0.38	0.010	0.044	2.14	< 2	< 1	191	< 0.01	< 1	< 2	< 10	4	< 10	2	20	0.48
GC22-0858-018	6	2	2.23	< 10	< 1	0.23	< 10	0.77	0.010	0.041	2.13	3	< 1	32	< 0.01	1	< 2	< 10	3	< 10	3	15	0.95
F012067																							
1318005087	10	5	2.23	< 10	< 1	0.29	16	0.12	0.021	0.048	2.39	4	< 1	28	< 0.01	< 1	< 2	< 10	4	< 10	2	17	0.55
GC22-0860-013	7	4	1.82	< 10	< 1	0.22	15	1.02	0.021	0.039	1.18	2	< 1	24	< 0.01	< 1	< 2	< 10	7	< 10	2	21	0.56
GC22-0836-010	6	3	1.95	< 10	< 1	0.21	< 10	0.83	0.011	0.040	1.52	3	< 1	29	< 0.01	< 1	< 2	< 10	3	< 10	2	12	1.14
GC22-0771-001	5	2	1.61	< 10	< 1	0.22	< 10	0.95	0.011	0.037	1.19	< 2	< 1	39	< 0.01	< 1	< 2	< 10	3	< 10	3	12	1.29
1318005081	9	7	1.46	< 10	< 1	0.26	< 10	0.19	0.017	0.040	1.34	4	< 1	37	< 0.01	1	< 2	< 10	6	< 10	2	12	0.56
GC22-0835-008	21	4	2.85	< 10	< 1	0.22	15	0.25	0.012	0.051	2.89	3	< 1	15	< 0.01	< 1	< 2	< 10	4	< 10	2	27	0.19
GC22-0801-013	6	3	2.07	< 10	< 1	0.21	14	0.29	0.016	0.044	1.87	< 2	< 1	25	< 0.01	< 1	< 2	< 10	3	< 10	2	14	0.77
GC22-0857-013	6	3	3.36	< 10	< 1	0.36	< 10	0.48	0.009	0.027	3.24	< 2	< 1	116	0.01	< 1	< 2	< 10	5	< 10	1	19	0.31
GC22-0783-011	7	3	2.67	< 10	< 1	0.26	< 10	0.62	0.010	0.036	2.54	< 2	< 1	50	< 0.01	< 1	< 2	< 10	4	< 10	2	19	0.60
GC22-0853-009	7	3	2.02	< 10	< 1	0.23	13	0.70	0.029	0.040	1.74	< 2	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	2	26	0.37
1312004114	18	10	4.60	< 10	< 1	0.20	< 10	1.73	0.024	0.042	3.81	2	2	18	< 0.01	2	< 2	< 10	19	< 10	4	28	0.21
1312003156	9	5	4.06	< 10	< 1	0.15	13	1.37	0.049	0.040	2.92	2	< 1	22	< 0.01	2	< 2	< 10	7	< 10	3	27	0.12
GC22-0753-011	7	4	1.95	< 10	< 1	0.27	15	0.85	0.020	0.040	1.46	< 2	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	2	22	0.60
GC22-0833-020	8	3	2.86	< 10	< 1	0.27	12	0.25	0.022	0.040	2.82	2	< 1	24	< 0.01	< 1	< 2	< 10	4	< 10	2	20	0.51
GC22-0854-013	7	4	2.22	< 10	< 1	0.22	12	0.30	0.017	0.038	2.19	< 2	< 1	30	< 0.01	< 1	< 2	< 10	3	< 10	2	16	0.79
GC22-0854-020	8	4	3.10	< 10	< 1	0.22	12	0.22	0.019	0.042	3.28	2	< 1	12	< 0.01	1	< 2	< 10	4	< 10	2	21	0.13
GC22-0800-017	7	3	2.54	< 10	< 1	0.25	12	0.32	0.010	0.040	2.66	3	< 1	26	< 0.01	< 1	< 2	< 10	3	< 10	2	16	0.26
GC22-0772-016	10	7	2.37	< 10	< 1	0.18	24	0.95	0.079	0.057	0.79	< 2	2	68	0.05	1	< 2	< 10	19	< 10	4	18	0.19
1318008031	9	9	4.24	< 10	< 1	0.32	11	1.62	0.021	0.047	3.33	5	1	9	< 0.01	< 1	< 2	< 10	13	< 10	2	26	0.08

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1318005049	10	7	3.39	< 10	< 1	0.24	16	1.39	0.018	0.051	2.53	3	< 1	7	< 0.01	1	< 2	< 10	10	< 10	2	14	0.10
1318005012	10	7	1.69	< 10	< 1	0.25	17	0.38	0.018	0.050	1.17	< 2	< 1	30	< 0.01	< 1	< 2	< 10	6	< 10	2	16	0.61
GC22-0859-001	8	6	2.22	< 10	< 1	0.22	14	0.87	0.141	0.041	1.27	2	1	100	0.02	< 1	< 2	< 10	12	< 10	3	22	0.39
GC22-0783-010	6	3	2.53	< 10	< 1	0.29	< 10	0.89	0.008	0.038	1.91	< 2	< 1	82	< 0.01	< 1	< 2	< 10	6	< 10	2	20	0.33
1318005104	9	5	2.78	< 10	< 1	0.27	15	0.48	0.020	0.047	2.82	5	< 1	22	< 0.01	1	< 2	< 10	6	< 10	2	20	0.64
GC22-0860-001	7	6	1.96	< 10	< 1	0.21	15	0.80	0.128	0.040	1.13	3	< 1	84	< 0.01	< 1	< 2	< 10	8	< 10	3	14	0.22
1318005144	26	63	4.55	< 10	< 1	0.04	< 10	2.09	0.502	0.021	0.12	2	9	64	0.28	2	< 2	< 10	125	< 10	5	5	0.11
F012066																							
F012057																							
13180120087	6	4	2.65	< 10	< 1	0.39	14	0.66	0.010	0.038	1.68	< 2	< 1	22	0.02	4	< 2	< 10	7	< 10	2	21	0.34
13180120241	7	5	1.83	< 10	< 1	0.15	16	0.95	0.066	0.039	0.90	2	< 1	40	0.02	4	< 2	< 10	8	< 10	3	17	0.25
GC22-5147-014	7	7	2.24	< 10	< 1	0.16	< 10	1.23	0.026	0.038	1.66	< 2	< 1	40	< 0.01	4	< 2	< 10	5	< 10	2	9	0.82
1318003019	8	18	2.03	< 10	< 1	0.23	16	1.05	0.046	0.044	1.31	4	< 1	33	0.04	1	< 2	< 10	10	< 10	3	25	0.42
GC22-0706-020	11	4	2.96	< 10	< 1	0.25	12	0.03	0.009	0.039	3.38	3	< 1	111	< 0.01	< 1	< 2	< 10	3	< 10	2	21	0.80
GC22-0866-021	7	4	1.39	< 10	< 1	0.24	15	0.47	0.065	0.042	1.26	2	< 1	43	< 0.01	2	< 2	< 10	4	< 10	2	19	0.48
GC22-0880-019	6	5	3.02	< 10	< 1	0.21	< 10	0.92	0.009	0.042	2.18	3	< 1	173	< 0.01	< 1	< 2	< 10	6	< 10	2	18	0.58
13180120116	7	4	2.45	< 10	< 1	0.28	15	0.82	0.010	0.035	1.42	< 2	< 1	34	0.01	< 1	< 2	< 10	7	< 10	2	24	0.19
GC22-0848-011	8	6	2.13	< 10	< 1	0.24	15	1.48	0.044	0.038	1.36	< 2	< 1	61	0.06	< 1	< 2	< 10	9	< 10	3	30	0.22
GC22-0896-001	6	4	1.76	< 10	< 1	0.33	14	0.96	0.021	0.038	0.87	2	< 1	31	< 0.01	3	< 2	< 10	7	< 10	3	12	0.88
13180120098	7	5	2.74	< 10	< 1	0.35	13	0.91	0.012	0.040	1.87	< 2	< 1	22	0.01	1	< 2	< 10	8	< 10	2	23	0.22
GC22-0885-006	7	4	2.03	< 10	< 1	0.20	16	0.88	0.107	0.041	1.26	2	< 1	49	< 0.01	2	< 2	< 10	8	< 10	3	22	0.20
GC22-0884-013	6	5	1.98	< 10	< 1	0.27	14	1.24	0.011	0.039	1.24	2	< 1	35	0.02	< 1	< 2	< 10	8	< 10	3	24	0.51
GC22-0778-014	20	122	3.67	< 10	< 1	0.85	33	2.06	0.020	0.268	1.76	5	9	312	0.14	< 1	< 2	< 10	50	< 10	15	7	1.55
20221024001	10	5	2.36	< 10	< 1	0.17	13	0.87	0.039	0.045	2.12	< 2	< 1	21	< 0.01	< 1	< 2	< 10	7	< 10	2	14	0.06
1318003033	45	318	5.76	< 10	< 1	0.40	< 10	2.14	0.050	0.060	1.68	4	7	54	0.30	2	< 2	< 10	107	< 10	8	7	0.68
1318003115	13	98	2.42	< 10	< 1	0.22	15	1.35	0.025	0.053	1.21	2	2	65	0.09	5	< 2	< 10	23	< 10	3	21	0.64
DUG22-2545	8	10	2.30	< 10	< 1	0.63	< 10	0.83	0.139	0.040	2.05	3	1	83	0.05	< 1	< 2	< 10	14	< 10	3	16	0.02
1318003112	11	31	2.30	< 10	< 1	0.23	21	0.78	0.026	0.049	1.23	2	1	31	0.05	2	< 2	< 10	11	< 10	4	20	0.52
GC22-0886-009FD	6	4	2.10	< 10	< 1	0.23	14	1.30	0.021	0.040	1.24	3	< 1	27	< 0.01	< 1	< 2	< 10	8	< 10	3	20	0.73
1318003107	8	7	2.04	< 10	< 1	0.22	16	0.75	0.053	0.046	1.19	< 2	1	29	0.08	2	< 2	< 10	13	< 10	3	22	0.26
GC22-0869-001	6	3	1.84	< 10	< 1	0.16	12	1.20	0.013	0.037	1.26	2	< 1	49	< 0.01	2	< 2	< 10	5	< 10	2	18	0.90
1318003104	19	34	4.20	< 10	< 1	0.40	< 10	1.06	0.170	0.051	0.72	< 2	5	127	0.22	< 1	< 2	< 10	74	< 10	6	13	0.65
GC22-0845-002	7	3	2.09	< 10	< 1	0.26	< 10	0.97	0.018	0.038	1.72	2	< 1	31	< 0.01	< 1	< 2	< 10	6	< 10	2	22	0.61
GC22-0887-012	7	6	3.25	< 10	< 1	0.36	13	1.00	0.011	0.040	2.34	< 2	< 1	16	0.04	< 1	< 2	< 10	9	< 10	2	25	0.18
F013253																							
F013267																							
13180120289	8	8	2.45	< 10	< 1	0.28	15	1.49	0.047	0.042	1.15	< 2	2	48	0.04	4	< 2	< 10	20	< 10	3	25	0.31
1430001089	36	70	8.70	10	< 1	0.03	< 10	2.50	0.023	0.044	2.37	4	13	41	< 0.01	< 1	< 2	< 10	292	< 10	7	5	1.42
GC22-0848-002	6	4	2.10	< 10	< 1	0.21	< 10	1.06	0.017	0.039	1.42	2	< 1	56	< 0.01	< 1	< 2	< 10	6	< 10	2	14	0.75
GC22-0894-008	6	3	1.84	< 10	< 1	0.22	14	0.81	0.016	0.037	1.51	2	< 1	30	< 0.01	< 1	< 2	< 10	4	< 10	3	22	0.70
13180120015	6	4	2.30	< 10	< 1	0.23	< 10	0.99	0.011	0.038	1.80	3	< 1	36	< 0.01	< 1	< 2	< 10	5	< 10	2	13	1.23
2022102701	11	5	2.52	< 10	< 1	0.09	19	0.93	0.026	0.022	2.20	< 2	< 1	26	< 0.01	2	< 2	< 10	9	< 10	2	16	< 0.01
1430001149	40	26	9.98	10	< 1	0.04	< 10	2.77	0.021	0.048	3.05	4	16	40	< 0.01	< 1	< 2	< 10	346	< 10	8	6	1.42
GC22-0897-001	7	4	2.23	< 10	< 1	0.37	15	0.84	0.023	0.039	2.03	3	< 1	37	< 0.01	< 1	< 2	< 10	6	< 10	3	24	0.58
13180120056	8	4	1.54	< 10	< 1	0.25	13	0.41	0.013	0.044	1.19	2	< 1	17	< 0.01	< 1	< 2	< 10	4	< 10	2	15	0.40
13180120040	5	4	1.72	< 10	< 1	0.29	< 10	0.90	0.014	0.037	0.99	2	< 1	34	< 0.01	3	< 2	< 10	5	< 10	2	14	1.07
DUG22-2631	16	8	4.29	< 10	< 1	0.42	< 10	0.54	0.125	0.038	4.74	11	1	71	0.07	< 1	< 2	< 10	14	< 10	5	16	0.03
MUG22-4466	8	7	2.24	< 10	< 1	0.39	10	1.07	0.062	0.041	2.11	16	< 1	41	0.03	1	< 2	< 10	9	< 10	3	19	0.03
13180120004	7	4	2.26	< 10	< 1	0.24	11	0.47	0.010	0.043	2.12	4	< 1	17	< 0.01	< 1	< 2	< 10	3	< 10	2	16	0.42
13180120156	7	5	2.72	< 10	< 1	0.31	14	0.82	0.013	0.030	1.79	3	< 1	15	0.02	2	< 2	< 10	10	< 10	2	27	0.16

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
DUG22-2706	6	5	1.68	< 10	1	0.24	< 10	0.09	0.021	0.011	1.86	14	< 1	12	< 0.01	< 1	< 2	< 10	3	< 10	1	7	0.25
1430001003	17	13	3.61	< 10	< 1	0.09	12	1.13	0.072	0.048	3.37	3	2	66	< 0.01	< 1	< 2	< 10	19	< 10	6	11	0.79
DUG22-2700	7	4	2.18	< 10	2	0.21	< 10	0.08	0.021	0.028	2.36	12	< 1	9	< 0.01	< 1	< 2	< 10	3	< 10	2	7	0.01
GC22-0875-001	8	4	1.73	< 10	< 1	0.18	12	0.84	0.046	0.041	1.08	< 2	< 1	37	< 0.01	< 1	< 2	< 10	6	< 10	3	14	0.76
GC22-0875-018	7	5	1.77	< 10	< 1	0.18	15	1.59	0.014	0.036	1.02	4	< 1	44	0.05	< 1	< 2	< 10	8	< 10	2	28	0.42
GC22-0846-013	6	3	1.64	< 10	< 1	0.22	16	0.95	0.061	0.040	1.01	2	< 1	40	< 0.01	< 1	< 2	< 10	7	< 10	3	13	0.61
1430001116	11	5	2.22	< 10	< 1	0.12	20	1.31	0.081	0.055	1.74	< 2	1	70	< 0.01	< 1	< 2	< 10	11	< 10	4	12	1.11
F013257																							
F013264																							
GC22-0871-004																							0.07
1432028305																							0.39
GC22-0624-001																							0.18

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1319066107	0.74	
GC22-0669-005	2.54	
1319066150	1.23	
GC22-0686-005	1.55	
GC22-0865-009	0.92	
1319070165	0.57	
1319066164	3.43	
GC22-0798-006	3.32	
GC22-0737-012	1.47	
GC22-0688-005	1.34	
GC22-0668-004	1.20	
GC22-0731-004	1.55	
1319066147	1.33	
GC22-0683-001	2.58	40.5
GC22-0735-008	1.09	
GC22-0709-002	0.23	
GC22-0702-009FD	4.23	
1319070047	0.91	
GC22-0704-003	0.93	
GC22-0744-006	3.05	
GC22-0688-007	1.50	
F012555		
GC22-0429-015	1.58	
GC22-0454-021	0.99	
GC22-0746-018	1.91	
GC22-0729-014	1.49	
GC22-0730-014	0.21	
GC22-0689-019	0.17	
GC22-0689-020	2.63	
GC22-5131-018	2.09	
GC22-0664-014	1.73	
GC22-0568-016	0.82	
GC22-0588-014	4.65	
GC22-0587-017	11.8	
1431022134	1.26	
GC22-0595-014	2.29	
GC22-0579-014	1.26	
GC22-0755-015	2.24	
GC22-5152-014	2.08	
1431021364	1.64	
GC22-0508-017	1.42	
1431022020	1.86	
F012553		5.71
GC22-0543-017	1.48	
GC22-0855-017	1.35	
GC22-5132-014	2.16	
GC22-5132-015	2.11	
GC22-0855-001	0.73	
GC22-0878-007	1.68	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0716-018	1.13	
GC22-0878-014	0.95	
STUG22-1061	3.75	8.45
GC22-5135-020	1.96	
GC22-0879-017	1.16	
STUG22-1042	4.04	
1312005039	1.32	
GC22-0847-016	0.59	
GC22-5041-020	0.47	
1312004516	0.47	
GC22-0851-012	1.24	
1312004448	1.71	
F012552		
GC22-0754-016	1.88	
GC22-0841-002	1.50	
GC22-0814-017	2.09	
GC22-0810-015	1.09	
GC22-0812-018	1.88	
GC22-5153-017	2.22	
GC22-5150-017	1.59	
1431023119	2.14	
GC22-0862-014	1.10	
GC22-0360-007	5.19	
GC22-0346-014	1.45	
GC22-0707-019	1.87	
GC22-0760-010	3.52	
GC22-5136-016	1.95	
1318007625	1.55	
1318006353	2.79	
1431023337	2.32	
1318007631	2.77	
1431023381	1.19	
DUG22-2497	2.17	
GC22-0814-014	1.54	
GC22-0823-017	1.53	
GC22-0791-014	0.87	
1318012226	1.63	
F012551		
GC22-0672-007	1.78	
GC22-0730-012	1.23	
GC22-0749-012	3.11	
GC22-0654-012	0.44	
1318002099	2.68	
GC22-0677-013	1.54	
GC22-0678-013	2.79	
GC22-0732-018	1.68	
GC22-0714-013	1.31	
GC22-0515-007	2.34	
GC22-0414-018	0.24	
GC22-0353-014	6.73	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-2047-001	0.72	
GC22-0703-009FD	0.80	
1318002361	0.57	
GC22-0677-020	1.53	
GC22-0504-001	0.25	
GC22-0745-009FD	1.92	
GC22-0705-013	2.22	
GC22-0717-007	1.85	
GC22-0862-012	1.45	
GC22-0716-013	1.70	
GC22-0715-019	3.75	
GC22-0758-005	2.95	
GC22-0684-015	1.32	
1319070552	1.34	
F012550		
GC22-0417-016	0.10	
GC22-0404-002	9.35	
GC22-0420-021	3.41	
GC22-0569-017	1.96	
GC22-0422-021	0.12	
GC22-0556-021	0.98	
1312003418	0.09	
GC22-0525-016	1.53	
GC22-0560-020	0.99	
GC22-0439-020	1.13	
1312003445	0.32	
1312003412	2.06	
1312003430	1.93	
GC22-0425-017	1.04	
GC22-0524-016	0.91	
GC22-0438-018	1.56	
GC22-0586-018	1.64	
GC22-0739-018	2.48	
1312003449	1.99	
GC22-0455-020	1.71	
GC22-0413-020	3.03	
F012556		
1431022105	1.39	
GC22-0788-001	1.27	
GC22-0735-015	0.56	
1432028201	1.70	
GC22-0469-019	2.37	
GC22-0784-001	4.11	
GC22-0676-021	1.00	
GC22-0474-017	1.54	
GC22-0778-001	2.86	
GC22-0343-016	1.01	
GC22-0791-010	3.18	
GC22-0750-017	2.62	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1312003401	5.81	
GC22-0686-016	1.79	
GC22-0662-015	1.25	
1431022022	1.56	
1432028278	1.55	
GC22-0852-011	1.57	
GC22-5145-025	0.99	
GC22-0790-005	1.43	
GC22-0818-005	2.70	
1432028311	1.75	
F012052		
GC22-0419-020	2.87	
GC22-0840-002	0.52	
GC22-0815-005	1.53	
GC22-0807-001	2.02	
GC22-0806-019	1.32	
DUG22-2057	2.36	5.93
1432028210	1.65	
GC22-0811-008	1.09	
1318004011	0.76	
GC22-0821-012	1.69	
GC22-0834-001	1.92	
GC22-0808-001	1.85	
1432028253	1.51	
1432028134	1.37	
GC22-0831-001	1.79	
GC22-0806-009FD	2.34	
GC22-0803-006	1.31	
1318004143	1.70	
GC22-0797-012	1.65	
GC22-0838-011	1.55	
GC22-0820-001	0.79	
1318004027	1.53	
GC22-0792-001	2.60	
CG22-0830-001	1.04	
GC22-0827-012	1.66	
GC22-0832-001	1.14	
GC22-0839-001	1.47	
GC22-0849-009FD	1.48	
F012059		5.70
GC22-0770-008	2.05	
GC22-0802-020	2.37	
GC22-0801-009	1.07	
GC22-0751-003	2.13	
GC22-0825-001	1.64	
GC22-0753-002	1.84	
GC22-0796-007	2.38	
1318004039	1.70	
1318006266	1.36	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0799-001	1.48	
GC22-0797-020	1.46	
GC22-0769-001	1.25	
GC22-0831-017	1.44	
GC22-0794-001	1.38	
GC22-0799-017	1.70	
GC22-0828-005	0.77	
GC22-0810-010	1.36	
GC22-0802-017	3.22	
1312004054	3.15	
F012058		
1318005023	2.58	
1318005147	1.33	
MUG22-4165	3.64	7.37
GC22-0714-016	1.61	
GC22-0667-017	2.06	
1318012229	2.45	
1318012206	1.94	
DUG22-2261	4.33	
DUG22-2270	2.46	
STUG22-1099	3.31	
STUG22-1086	3.28	
1318012161	1.68	
DUG22-2216	2.23	
DUG22-2272	1.75	
DUG22-2176	1.58	
DUG22-2303	0.80	
GC22-0858-011	1.33	
GC22-0858-007	1.12	
1318005180	5.24	
1318005040	2.34	
1318005170	0.63	
GC22-0837-017	1.99	
GC22-0858-018	1.98	
F012067		5.72
1318005087	2.43	
GC22-0860-013	1.24	
GC22-0836-010	1.45	
GC22-0771-001	1.17	
1318005081	1.36	
GC22-0835-008	2.77	
GC22-0801-013	1.80	
GC22-0857-013	3.18	
GC22-0783-011	2.35	
GC22-0853-009	1.71	
1312004114	3.84	
1312003156	2.78	
GC22-0753-011	1.48	
GC22-0833-020	2.70	
GC22-0854-013	2.20	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0854-020	3.20	
GC22-0800-017	2.54	
GC22-0772-016	0.81	
1318008031	3.26	
1318005049	2.48	
1318005012	1.16	
GC22-0859-001	1.23	
GC22-0783-010	1.79	
1318005104	2.63	
GC22-0860-001	1.14	
1318005144	0.14	
F012066		
F012057		
13180120087	1.57	4.72
13180120241	0.83	
GC22-5147-014	1.53	
1318003019	1.21	
GC22-0706-020	3.17	
GC22-0866-021	1.24	
GC22-0880-019	2.07	
13180120116	1.32	
GC22-0848-011	1.37	
GC22-0896-001	0.82	
13180120098	1.74	
GC22-0885-006	1.26	
GC22-0884-013	1.16	
GC22-0778-014	1.77	
20221024001	2.03	
1318003033	1.68	
1318003115	1.23	
DUG22-2545	1.95	
1318003112	1.25	
GC22-0886-009FD	1.22	
1318003107	1.21	
GC22-0869-001	1.21	
1318003104	0.72	
GC22-0845-002	1.78	
GC22-0887-012	2.18	8.13
F013253		
F013267		
13180120289	1.05	
1430001089	2.64	
GC22-0848-002	1.40	11.2
GC22-0894-008	1.48	
13180120015	1.71	
2022102701	2.18	
1430001149	3.32	
GC22-0897-001	1.95	
13180120056	1.13	
13180120040	0.94	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
DUG22-2631	4.66	
MUG22-4466	2.04	
13180120004	2.04	
13180120156	1.73	
DUG22-2706	1.73	
1430001003	3.20	
DUG22-2700	2.26	
GC22-0875-001	1.03	
GC22-0875-018	0.92	
GC22-0846-013	0.99	
1430001116	1.59	
F013257		
F013264		
GC22-0871-004	0.99	
1432028305	1.37	
GC22-0624-001	0.29	

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Meas								42.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.5															
BaSO4 Cert								41.94															
BaSO4 Meas								42.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															
BaSO4 Cert								41.94															
BaSO4 Meas								41.6															
BaSO4 Cert								41.94															
BaSO4 Meas								40.5															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								41.9															
BaSO4 Cert								41.94															
BaSO4 Meas								41.9															
BaSO4 Cert								41.94															
BaSO4 Meas								42.4															
BaSO4 Cert								41.94															
BaSO4 Meas								42.3															
BaSO4 Cert								41.94															
BaSO4 Meas								40.8															
BaSO4 Cert								41.94															
BaSO4 Meas								39.9															
BaSO4 Cert								41.94															
BaSO4 Meas								41.6															
BaSO4 Cert								41.94															
BaSO4 Meas								40.4															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								40.8															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.6															
BaSO4 Cert								41.94															
BaSO4 Meas								42.3															
BaSO4 Cert								41.94															
BaSO4 Meas								41.9															
BaSO4 Cert								41.94															
OREAS 98 (Aqua									40.0		> 10000				279	1140						34	

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
OREAS 98 (Aqua Regia) Meas									39.2		> 10000				277	1130						46	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
OREAS 98 (Aqua Regia) Meas									40.0		> 10000				281	1140						47	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
RTS-3a Meas								29.4															
RTS-3a Cert								29.90															
RTS-3a Meas								29.5															
RTS-3a Cert								29.90															
RTS-3a Meas								29.3															
RTS-3a Cert								29.90															
RTS-3a Meas								29.3															
RTS-3a Cert								29.90															
RTS-3a Meas								29.0															
RTS-3a Cert								29.90															
RTS-3a Meas								29.6															
RTS-3a Cert								29.90															
RTS-3a Meas								29.4															
RTS-3a Cert								29.90															
RTS-3a Meas								28.6															
RTS-3a Cert								29.90															
RTS-3a Meas								29.2															
RTS-3a Cert								29.90															
RTS-3a Meas								28.8															
RTS-3a Cert								29.90															
RTS-3a Meas								29.4															
RTS-3a Cert								29.90															
RTS-3a Meas								28.8															
RTS-3a Cert								29.90															
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas								0.06															
SiO2 Cert																							
SiO2 Meas								0.06															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.09															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.05															
SiO2 Cert																							
SiO2 Meas								0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.09															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.07															
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas				8.51																			
NBM-1 (slight fzz) Cert				8.53																			
NBM-1 (slight fzz) Meas				8.70																			
NBM-1 (slight fzz) Cert				8.53																			
NBM-1 (slight fzz) Meas				8.70																			
NBM-1 (slight fzz) Cert				8.53																			
NBM-1 (slight fzz) Meas				8.68																			
NBM-1 (slight fzz) Cert				8.53																			
NBM-1 (slight fzz) Meas				8.63																			
NBM-1 (slight fzz) Cert				8.53																			
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2240	780	< 1	36	60	258	2.77	4		73	0.8	7	0.37
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.6	< 0.5	2260	777	< 1	36	60	260	2.78	6		71	0.8	8	0.37
OREAS 922 (AQUA REGIA)									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2200	775	< 1	34	60	263	2.74	7		68	0.7	8	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 923 (AQUA REGIA) Meas									1.6	< 0.5	4410	894	< 1	31	80	334	2.87	6		60	0.7	24	0.38
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.5	< 0.5	4390	882	< 1	32	85	332	2.79	8		57	0.7	25	0.37
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.5	< 0.5	4320	864	< 1	30	82	329	2.69	10		54	0.7	19	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
Oreas 96 (Aqua Regia) Meas									10.9		> 10000				92	418						24	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.7		> 10000				92	413						22	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.8		> 10000				91	410						25	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas	3130																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3090																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3050																						
OREAS 238 (Fire Assay) Cert	3030																						

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3120																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3070																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2980																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3010																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2950																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2940																						
OREAS 238 (Fire Assay) Cert	3030																						
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
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GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	515																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	512																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	522																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	501																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	501																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	523																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	514																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	494																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	492																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	494																						
Oreas E1336 (Fire Assay) Cert	510																						
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
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GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
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GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									40.8	170	1850	450	9	14	> 5000	> 10000	1.24	50		12	0.7	3	1.28
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									40.3	171	1840	446	9	15	> 5000	> 10000	1.24	49		16	0.7	< 2	1.28
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
GC22-0798-006 Orig																							
GC22-0798-006 Dup																							
GC22-0737-012 Orig									0.4	2.4	34	752	< 1	8	163	696	0.41	42	25	38	< 0.5	< 2	2.34
GC22-0737-012 Dup									0.6	2.4	34	753	< 1	7	161	684	0.42	40	25	39	< 0.5	< 2	2.34
GC22-0688-005 Orig	161							0.62															
GC22-0688-005 Dup	153							0.47															

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0688-005 Orig								0.43															
GC22-0688-005 Dup								0.39															
GC22-0704-003 Orig								0.37															
GC22-0704-003 Dup								0.39															
GC22-0744-006 Orig	656																						
GC22-0744-006 Dup	698																						
GC22-0746-018 Orig									0.4	17.6	31	474	< 1	11	14	3940	1.09	62	23	27	< 0.5	< 2	0.95
GC22-0746-018 Dup									0.4	17.5	31	465	< 1	11	14	3930	1.05	62	25	26	< 0.5	< 2	0.94
GC22-5131-018 Orig																							
GC22-5131-018 Dup																							
GC22-0664-014 Orig	155																						
GC22-0664-014 Dup	139																						
GC22-0588-014 Orig								1.91															
GC22-0588-014 Dup								1.95															
GC22-0508-017 Orig																							
GC22-0508-017 Dup																							
1431022020 Orig	258							0.58															
1431022020 Dup	253							0.55															
GC22-0855-001 Orig		Slight	27.0		44.9	2.51	17.93																
GC22-0855-001 Dup		Slight	26.2		44.1	2.46	17.93																
STUG22-1061 Orig																							
STUG22-1061 Dup																							
STUG22-1061 Orig																							
STUG22-1061 Dup																							
GC22-0879-017 Orig	279								0.2	0.8	17	1790	< 1	6	29	209	0.67	59	28	29	< 0.5	< 2	1.76
GC22-0879-017 Dup	257								< 0.2	0.7	17	1780	< 1	7	29	204	0.68	58	22	30	< 0.5	< 2	1.76
1312005039 Orig								0.53															
1312005039 Dup								0.48															
GC22-0841-002 Orig																							
GC22-0841-002																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Dup																							
GC22-0810-015 Orig								0.37															
GC22-0810-015 Dup								0.38															
GC22-0812-018 Orig	215																						
GC22-0812-018 Dup	230																						
1431023119 Orig			42.3		93.6	1.83	51.27																
1431023119 Dup			42.3		93.6	1.83	51.27																
GC22-0346-014 Orig				8.44																			
GC22-0346-014 Dup				8.46																			
GC22-0707-019 Orig																							
GC22-0707-019 Dup																							
GC22-0760-010 Orig									0.8	< 0.5	237	1470	< 1	66	< 2	126	3.61	12	17	< 10	< 0.5	2	2.82
GC22-0760-010 Dup									0.8	< 0.5	232	1460	< 1	63	< 2	126	3.53	12	20	< 10	< 0.5	< 2	2.85
1431023337 Orig								1.76															
1431023337 Dup								1.78															
1318007631 Orig	380																						
1318007631 Dup	378																						
GC22-0791-014 Orig																							
GC22-0791-014 Dup																							
GC22-0730-012 Orig								0.47															
GC22-0730-012 Dup								0.49															
GC22-0730-012 Orig								0.37															
GC22-0730-012 Dup								0.40															
GC22-0749-012 Orig	1340																						
GC22-0749-012 Dup	1340																						
GC22-0654-012 Orig									0.5	0.8	14	799	< 1	7	25	232	2.15	46	33	40	< 0.5	< 2	1.82
GC22-0654-012 Dup									0.5	0.8	14	800	< 1	4	24	234	2.16	45	32	40	< 0.5	< 2	1.83
GC22-0714-013 Orig		None	-23.5		10.2	0.303	33.74																
GC22-0714-013 Dup		None	-23.8		9.99	0.296	33.74																
GC22-0714-013 Orig																							
GC22-0714-013 Dup																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-2047-001 Orig									0.7	< 0.5	504	219	< 1	1	< 2	34	2.58	2	20	52	< 0.5	9	1.10
GC22-2047-001 Dup									0.9	< 0.5	514	220	< 1	3	< 2	34	2.55	3	22	51	< 0.5	8	1.10
GC22-0703-009FD Orig	728																						
GC22-0703-009FD Dup	695																						
1318002361 Orig								0.35															
1318002361 Dup								0.33															
GC22-0862-012 Orig																							
GC22-0862-012 Dup																							
GC22-0758-005 Orig								0.88															
GC22-0758-005 Dup								0.86															
GC22-0422-021 Orig																							
GC22-0422-021 Dup																							
1312003418 Orig									< 0.2	< 0.5	141	472	< 1	42	< 2	46	5.37	< 2	29	< 10	< 0.5	< 2	3.28
1312003418 Dup									< 0.2	< 0.5	137	469	< 1	41	< 2	44	5.30	< 2	26	< 10	< 0.5	< 2	3.26
GC22-0439-020 Orig	671																						
GC22-0439-020 Dup	673																						
1312003445 Orig								0.25															
1312003445 Dup								0.26															
1312003445 Orig								0.23															
1312003445 Dup								0.21															
GC22-0438-018 Orig																							
GC22-0438-018 Dup																							
GC22-0455-020 Orig								0.46															
GC22-0455-020 Dup								0.46															
1431022105 Orig	98								0.5	0.8	62	648	< 1	18	15	253	1.23	26	28	29	< 0.5	< 2	1.29
1431022105 Dup	123								0.4	0.8	64	647	< 1	19	12	265	1.25	26	31	29	< 0.5	< 2	1.28
GC22-0784-001 Orig																							
GC22-0784-001 Dup																							
GC22-0474-017 Orig		None	-36.4		6.98	0.161	43.41																
GC22-0474-017 Dup		None	-36.7		6.74	0.155	43.41																
GC22-0750-017 Orig				8.15				0.62															
GC22-0750-017 Dup				7.92				0.69															

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0686-016 Orig	27																						
GC22-0686-016 Dup	33																						
1431022022 Orig									1.5	1.5	37	1010	< 1	9	95	374	0.97	46	21	25	< 0.5	< 2	1.86
1431022022 Dup									1.5	1.3	37	984	< 1	8	88	361	0.90	46	23	23	< 0.5	< 2	1.80
1432028278 Orig																							
1432028278 Dup																							
GC22-0818-005 Orig								0.76															
GC22-0818-005 Dup								0.69															
GC22-0419-020 Orig	521																						
GC22-0419-020 Dup	516																						
GC22-0806-019 Orig																							
GC22-0806-019 Dup																							
GC22-0808-001 Orig	607							0.79															
GC22-0808-001 Dup	696							0.80															
GC22-0806-009FD Orig																							
GC22-0806-009FD Dup																							
GC22-0820-001 Orig								0.33															
GC22-0820-001 Dup								0.31															
GC22-0820-001 Orig																							
GC22-0820-001 Dup																							
1318004027 Orig									1.0	0.5	32	746	< 1	8	114	230	1.28	29	24	31	< 0.5	< 2	1.52
1318004027 Dup									1.3	0.5	31	741	< 1	10	115	225	1.27	29	30	31	< 0.5	< 2	1.51
GC22-0792-001 Orig	302																						
GC22-0792-001 Dup	307																						
GC22-0832-001 Orig																							
GC22-0832-001 Dup																							
GC22-0751-003 Orig		Slight	-26.9		34.9	0.564	61.80																
GC22-0751-003 Dup		Slight	-26.5		35.3	0.571	61.80																
GC22-0753-002 Orig	92							0.55															
GC22-0753-002 Dup	99							0.51															
1318006266 Orig																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1318006266 Dup																							
GC22-0794-001 Orig									< 0.2	3.2	30	1150	< 1	8	24	797	1.03	46	26	45	< 0.5	< 2	1.69
GC22-0794-001 Dup									< 0.2	3.0	30	1130	< 1	8	22	788	1.01	42	22	44	< 0.5	< 2	1.66
GC22-0799-017 Orig								0.56															
GC22-0799-017 Dup								0.52															
1312004054 Orig	140																						
1312004054 Dup	145																						
DUG22-2270 Orig								0.76															
DUG22-2270 Dup								0.75															
DUG22-2270 Orig																							
DUG22-2270 Dup																							
STUG22-1099 Orig									24.0	1.8	270	798	< 1	17	458	480	0.79	95	27	27	< 0.5	< 2	0.19
STUG22-1099 Dup									25.3	1.9	273	807	< 1	18	465	496	0.81	95	26	26	< 0.5	< 2	0.20
STUG22-1086 Orig																							
STUG22-1086 Dup																							
1318012161 Orig	1160																						
1318012161 Dup	1170																						
DUG22-2216 Orig				9.29																			
DUG22-2216 Dup				9.21																			
GC22-0858-007 Orig								0.39															
GC22-0858-007 Dup								0.38															
GC22-0858-007 Orig																							
GC22-0858-007 Dup																							
1318005180 Orig									6.1	18.7	259	840	< 1	17	196	3950	1.58	371	25	24	< 0.5	2	0.32
1318005180 Dup									5.4	18.5	261	818	< 1	17	197	4010	1.57	375	22	23	< 0.5	2	0.32
1318005170 Orig																							
1318005170 Dup																							
GC22-0837-017 Orig	745																						
GC22-0837-017 Dup	731																						
GC22-0857-013 Orig		None	-77.1		17.6	0.186	94.70	1.06															
GC22-0857-013 Dup		None	-77.8		16.9	0.178	94.70	1.10															
GC22-0783-011 Orig	636																						
GC22-0783-011 Dup	706																						
GC22-0854-020 Orig									1.4	4.9	88	244	< 1	6	14	1140	0.70	213	20	20	< 0.5	< 2	0.44
GC22-0854-020									1.5	4.9	88	246	< 1	8	14	1140	0.71	223	22	21	< 0.5	< 2	0.44

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Dup																							
GC22-0800-017 Orig								1.13															
GC22-0800-017 Dup								1.17															
1318008031 Orig																							
1318008031 Dup																							
1318005049 Orig	2010																						
1318005049 Dup	2360																						
1318003019 Orig	331							0.50															
1318003019 Dup	277							0.48															
1318003019 Orig																							
1318003019 Dup																							
1318003019 Orig																							
1318003019 Dup																							
GC22-0706-020 Orig									1.1	1.6	13	717	< 1	15	395	447	0.44	34	24	26	< 0.5	< 2	2.41
GC22-0706-020 Dup									1.1	1.6	12	722	< 1	16	406	443	0.44	34	24	26	< 0.5	< 2	2.42
GC22-0884-013 Orig								0.51															
GC22-0884-013 Dup								0.50															
GC22-0884-013 Orig																							
GC22-0884-013 Dup																							
GC22-0778-014 Orig																							
GC22-0778-014 Dup																							
1318003115 Orig	214																						
1318003115 Dup	222																						
GC22-0886-009FD Orig									2.6	2.3	133	1100	< 1	6	158	608	1.66	46	20	26	< 0.5	< 2	2.33
GC22-0886-009FD Dup									2.0	2.4	128	1120	< 1	6	167	632	1.64	46	21	26	< 0.5	< 2	2.35
GC22-0887-012 Orig																							
GC22-0887-012 Dup																							
13180120289 Orig								0.47															
13180120289 Dup								0.49															
GC22-0848-002 Orig	> 5000	Slight	22.2		59.7	1.59	37.44																
GC22-0848-002 Dup	> 5000	Slight	23.3		60.7	1.62	37.44																
13180120056 Orig				9.29																			
13180120056 Dup				9.25																			
13180120040 Orig								0.53															
13180120040 Dup								0.53															

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5			0.01			0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
13180120040 Orig																							
13180120040 Dup																							
13180120040 Orig																							
13180120040 Dup																							
13180120004 Orig	250																						
13180120004 Dup	327																						
13180120156 Orig								0.99															
13180120156 Dup								0.91															
GC22-0875-001 Orig								0.41															
GC22-0875-001 Dup								0.45															
1430001116 Orig		Slight	32.9	9.34	77.3	1.74	44.42																
1430001116 Dup		Slight	33.8	9.22	78.2	1.76	44.42																
GC22-0871-004 Orig	232																						
GC22-0871-004 Dup	166																						
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	43	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	32	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	39	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	36	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	30	< 10	< 0.5	< 2	< 0.01
Method Blank	< 5																						
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Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
BaSO4 Meas																							
BaSO4 Cert																							
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BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas	107											19											
OREAS 98 (Aqua	111											15											

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Regia) Cert																							
OREAS 98 (Aqua Regia) Meas	106											21											
OREAS 98 (Aqua Regia) Cert	111											15											
OREAS 98 (Aqua Regia) Meas	107											19											
OREAS 98 (Aqua Regia) Cert	111											15											
RTS-3a Meas																							
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GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.08
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.07
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
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Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
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SiO2 Meas																							< 0.01
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NBM-1 (slight fzz) Meas																							
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NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	20	45	5.23	< 10		0.41	34	1.29	0.019	0.064	0.38	2	4	16			< 2	< 10	33	< 10	21	21	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	44	5.23	< 10		0.40	34	1.30	0.019	0.065	0.37	< 2	4	16			< 2	< 10	32	< 10	21	21	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	44	5.16	< 10		0.38	33	1.28	0.019	0.063	0.37	3	3	16			< 2	< 10	32	< 10	20	22	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	23	41	6.00	< 10		0.35	31	1.40		0.063	0.68	4	4	15			< 2	< 10	32	< 10	20	30	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	41	5.91	< 10		0.33	31	1.38		0.061	0.67	4	3	14			< 2	< 10	32	< 10	19	28	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	23	41	5.81	< 10		0.32	30	1.36		0.060	0.66	3	3	14			< 2	< 10	31	< 10	18	29	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas	49										4.07	8											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	48										3.96	7											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	47										3.89	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
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OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
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GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
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Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							8.90
GS317-5 Cert																							8.46
GS317-5 Meas																							8.76
GS317-5 Cert																							8.46
GS317-5 Meas																							8.57
GS317-5 Cert																							8.46
GS317-5 Meas																							8.39
GS317-5 Cert																							8.46
GS317-5 Meas																							8.48
GS317-5 Cert																							8.46
GS317-5 Meas																							8.46
GS317-5 Cert																							8.46
GS317-5 Meas																							8.31
GS317-5 Cert																							8.46
GS317-5 Meas																							8.39
GS317-5 Cert																							8.46
GS317-5 Meas																							8.43
GS317-5 Cert																							8.46
GS317-5 Meas																							7.90
GS317-5 Cert																							8.46
GS317-5 Meas																							7.96
GS317-5 Cert																							8.46
GS317-5 Meas																							8.27
GS317-5 Cert																							8.46
GS317-5 Meas																							8.43
GS317-5 Cert																							8.46
GS317-5 Meas																							8.42
GS317-5 Cert																							8.46

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS317-5 Meas																							8.39
GS317-5 Cert																							8.46
GS317-5 Meas																							8.31
GS317-5 Cert																							8.46
GS317-5 Meas																							8.32
GS317-5 Cert																							8.46
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas	14	18	2.72	< 10	2	0.29	24	0.27	0.117	0.033	2.62	68		20			< 2	< 10	8	< 10	9	64	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	19	2.71	< 10	2	0.29	25	0.27	0.118	0.033	2.58	71		20			< 2	< 10	8	< 10	9	68	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
GC22-0798-006 Orig																							0.27
GC22-0798-006 Dup																							0.27
GC22-0737-012 Orig	7	4	1.56	< 10	< 1	0.21	< 10	0.07	0.011	0.044	1.67	2	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	2	15	
GC22-0737-012 Dup	7	4	1.54	< 10	< 1	0.22	< 10	0.07	0.012	0.044	1.65	2	< 1	21	< 0.01	< 1	< 2	< 10	2	< 10	2	16	
GC22-0688-005 Orig																							0.21
GC22-0688-005 Dup																							0.20
GC22-0688-005 Orig																							
GC22-0688-005 Dup																							
GC22-0704-003 Orig																							0.44
GC22-0704-003 Dup																							0.44
GC22-0744-006 Orig																							
GC22-0744-006 Dup																							
GC22-0746-018 Orig	10	8	2.15	< 10	< 1	0.23	16	0.25	0.033	0.047	2.02	3	1	42	< 0.01	< 1	< 2	< 10	13	< 10	2	20	
GC22-0746-018 Dup	10	7	2.15	< 10	< 1	0.23	16	0.25	0.032	0.046	2.01	3	1	41	< 0.01	< 1	< 2	< 10	13	< 10	2	20	
GC22-5131-018 Orig																							< 0.01
GC22-5131-018 Dup																							< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0664-014 Orig																							
GC22-0664-014 Dup																							
GC22-0588-014 Orig																							
GC22-0588-014 Dup																							
GC22-0508-017 Orig																							0.36
GC22-0508-017 Dup																							0.36
1431022020 Orig																							
1431022020 Dup																							
GC22-0855-001 Orig																							
GC22-0855-001 Dup																							
STUG22-1061 Orig																							0.01
STUG22-1061 Dup																							0.01
STUG22-1061 Orig																							
STUG22-1061 Dup																							
GC22-0879-017 Orig	6	7	1.99	< 10	< 1	0.25	12	0.75	0.012	0.043	1.21	< 2	< 1	26	< 0.01	< 1	< 2	< 10	4	< 10	3	16	
GC22-0879-017 Dup	6	7	1.98	< 10	< 1	0.26	13	0.75	0.011	0.043	1.20	2	< 1	26	< 0.01	< 1	< 2	< 10	4	< 10	2	16	
1312005039 Orig																							
1312005039 Dup																							
GC22-0841-002 Orig																							0.45
GC22-0841-002 Dup																							0.46
GC22-0810-015 Orig																							
GC22-0810-015 Dup																							
GC22-0812-018 Orig																							
GC22-0812-018 Dup																							
1431023119 Orig																							
1431023119 Dup																							
GC22-0346-014 Orig																							
GC22-0346-014 Dup																							
GC22-0707-019 Orig																							0.63
GC22-0707-019 Dup																							0.63
GC22-0760-010 Orig	41	3	10.4	10	< 1	0.02	< 10	3.07	0.015	0.039	3.25	6	13	29	0.01	< 1	< 2	< 10	383	< 10	5	5	
GC22-0760-010 Dup	43	3	10.4	10	< 1	0.02	< 10	3.02	0.015	0.039	3.33	4	12	28	0.01	< 1	< 2	< 10	387	< 10	5	5	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1431023337 Orig																							
1431023337 Dup																							
1318007631 Orig																							
1318007631 Dup																							
GC22-0791-014 Orig																							0.53
GC22-0791-014 Dup																							0.53
GC22-0730-012 Orig																							0.22
GC22-0730-012 Dup																							0.23
GC22-0730-012 Orig																							
GC22-0730-012 Dup																							
GC22-0749-012 Orig																							
GC22-0749-012 Dup																							
GC22-0654-012 Orig	8	6	1.86	< 10	< 1	0.31	15	0.85	0.128	0.039	0.46	3	< 1	63	0.07	< 1	< 2	< 10	10	< 10	3	14	
GC22-0654-012 Dup	7	6	1.86	< 10	< 1	0.31	16	0.85	0.126	0.040	0.46	2	< 1	63	0.07	< 1	< 2	< 10	10	< 10	3	13	
GC22-0714-013 Orig																							0.08
GC22-0714-013 Dup																							0.08
GC22-0714-013 Orig																							
GC22-0714-013 Dup																							
GC22-2047-001 Orig	3	5	2.33	< 10	< 1	0.17	11	0.69	0.125	0.036	0.80	< 2	< 1	89	< 0.01	< 1	< 2	< 10	7	< 10	3	14	
GC22-2047-001 Dup	3	5	2.34	< 10	< 1	0.17	11	0.69	0.125	0.037	0.80	< 2	< 1	87	< 0.01	< 1	< 2	< 10	7	< 10	3	14	
GC22-0703-009FD Orig																							
GC22-0703-009FD Dup																							
1318002361 Orig																							
1318002361 Dup																							
GC22-0862-012 Orig																							0.02
GC22-0862-012 Dup																							0.02
GC22-0758-005 Orig																							
GC22-0758-005 Dup																							
GC22-0422-021 Orig																							0.13
GC22-0422-021 Dup																							0.12
1312003418 Orig	23	45	4.39	< 10	< 1	0.02	< 10	1.46	0.611	0.021	0.09	< 2	5	63	0.28	1	< 2	< 10	125	< 10	5	4	
1312003418 Dup	23	45	4.36	< 10	< 1	0.02	< 10	1.45	0.604	0.021	0.08	< 2	5	62	0.28	< 1	< 2	< 10	123	< 10	5	4	
GC22-0439-020																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Orig																							
GC22-0439-020 Dup																							
1312003445 Orig																							0.09
1312003445 Dup																							0.08
1312003445 Orig																							
1312003445 Dup																							
GC22-0438-018 Orig																							0.30
GC22-0438-018 Dup																							0.30
GC22-0455-020 Orig																							
GC22-0455-020 Dup																							
1431022105 Orig	15	30	3.06	< 10	< 1	0.12	< 10	0.95	0.054	0.045	1.45	2	2	39	0.06	< 1	< 2	< 10	28	< 10	3	11	
1431022105 Dup	15	30	3.03	< 10	< 1	0.12	< 10	0.95	0.055	0.045	1.40	< 2	2	39	0.06	< 1	< 2	< 10	28	< 10	3	11	
GC22-0784-001 Orig																							0.11
GC22-0784-001 Dup																							0.11
GC22-0474-017 Orig																							
GC22-0474-017 Dup																							
GC22-0750-017 Orig																							
GC22-0750-017 Dup																							
GC22-0686-016 Orig																							
GC22-0686-016 Dup																							
1431022022 Orig	8	4	2.19	< 10	< 1	0.15	< 10	1.06	0.034	0.043	1.63	< 2	< 1	50	< 0.01	< 1	< 2	< 10	4	< 10	2	10	
1431022022 Dup	8	4	2.11	< 10	< 1	0.14	< 10	1.02	0.031	0.041	1.61	< 2	< 1	47	< 0.01	< 1	< 2	< 10	4	< 10	2	10	
1432028278 Orig																							0.74
1432028278 Dup																							0.75
GC22-0818-005 Orig																							
GC22-0818-005 Dup																							
GC22-0419-020 Orig																							
GC22-0419-020 Dup																							
GC22-0806-019 Orig																							0.85
GC22-0806-019 Dup																							0.86
GC22-0808-001 Orig																							
GC22-0808-001 Dup																							
GC22-0806-009FD Orig																							0.47
GC22-0806-009FD Dup																							0.48

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0820-001 Orig																							0.26
GC22-0820-001 Dup																							0.25
GC22-0820-001 Orig																							
GC22-0820-001 Dup																							
1318004027 Orig	8	10	2.02	< 10	< 1	0.20	15	0.76	0.040	0.040	1.58	< 2	< 1	24	0.02	< 1	< 2	< 10	7	< 10	3	24	
1318004027 Dup	8	10	2.03	< 10	< 1	0.20	16	0.76	0.040	0.041	1.61	2	< 1	23	0.01	< 1	< 2	< 10	7	< 10	3	21	
GC22-0792-001 Orig																							
GC22-0792-001 Dup																							
GC22-0832-001 Orig																							0.27
GC22-0832-001 Dup																							0.27
GC22-0751-003 Orig																							
GC22-0751-003 Dup																							
GC22-0753-002 Orig																							
GC22-0753-002 Dup																							
1318006266 Orig																							0.42
1318006266 Dup																							0.42
GC22-0794-001 Orig	10	4	2.18	< 10	< 1	0.25	21	0.57	0.014	0.051	1.48	3	< 1	20	< 0.01	< 1	< 2	< 10	7	< 10	4	19	
GC22-0794-001 Dup	10	4	2.15	< 10	< 1	0.25	20	0.56	0.013	0.050	1.43	< 2	< 1	19	< 0.01	< 1	< 2	< 10	6	< 10	4	19	
GC22-0799-017 Orig																							
GC22-0799-017 Dup																							
1312004054 Orig																							0.13
1312004054 Dup																							0.12
DUG22-2270 Orig																							< 0.01
DUG22-2270 Dup																							< 0.01
DUG22-2270 Orig																							
DUG22-2270 Dup																							
STUG22-1099 Orig	15	14	3.62	< 10	< 1	0.24	17	0.23	0.025	0.070	3.40	20	< 1	19	0.01	3	< 2	< 10	8	< 10	4	12	
STUG22-1099 Dup	16	14	3.71	< 10	< 1	0.25	17	0.24	0.025	0.072	3.48	22	< 1	19	0.01	2	< 2	< 10	8	< 10	4	12	
STUG22-1086 Orig																							< 0.01
STUG22-1086 Dup																							< 0.01
1318012161 Orig																							
1318012161 Dup																							
DUG22-2216 Orig																							
DUG22-2216 Dup																							
GC22-0858-007 Orig																							0.46

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0858-007 Dup																							0.47
GC22-0858-007 Orig																							
GC22-0858-007 Dup																							
1318005180 Orig	10	7	5.35	< 10	< 1	0.31	17	1.15	0.020	0.054	5.23	5	< 1	9	< 0.01	< 1	< 2	< 10	11	< 10	2	22	
1318005180 Dup	10	7	5.31	< 10	< 1	0.30	17	1.13	0.020	0.054	5.33	4	< 1	8	< 0.01	< 1	< 2	< 10	11	< 10	2	22	
1318005170 Orig																							0.23
1318005170 Dup																							0.22
GC22-0837-017 Orig																							
GC22-0837-017 Dup																							
GC22-0857-013 Orig																							
GC22-0857-013 Dup																							
GC22-0783-011 Orig																							0.60
GC22-0783-011 Dup																							0.59
GC22-0854-020 Orig	8	4	3.10	< 10	< 1	0.22	12	0.22	0.019	0.042	3.28	2	< 1	12	< 0.01	1	< 2	< 10	4	< 10	2	21	
GC22-0854-020 Dup	9	4	3.16	< 10	< 1	0.23	12	0.22	0.019	0.043	3.41	3	< 1	12	< 0.01	< 1	< 2	< 10	4	< 10	2	21	
GC22-0800-017 Orig																							
GC22-0800-017 Dup																							
1318008031 Orig																							0.08
1318008031 Dup																							0.08
1318005049 Orig																							
1318005049 Dup																							
1318003019 Orig																							0.43
1318003019 Dup																							0.44
1318003019 Orig																							0.40
1318003019 Dup																							0.43
1318003019 Orig																							
1318003019 Dup																							
GC22-0706-020 Orig	11	4	2.96	< 10	< 1	0.25	12	0.03	0.009	0.039	3.38	3	< 1	111	< 0.01	< 1	< 2	< 10	3	< 10	2	21	
GC22-0706-020 Dup	11	4	2.97	< 10	< 1	0.25	12	0.03	0.009	0.039	3.40	3	< 1	111	< 0.01	< 1	< 2	< 10	3	< 10	2	21	
GC22-0884-013 Orig																							0.51
GC22-0884-013 Dup																							0.51
GC22-0884-013 Orig																							
GC22-0884-013 Dup																							
GC22-0778-014 Orig																							1.55
GC22-0778-014 Dup																							1.54

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1318003115 Orig																							
1318003115 Dup																							
GC22-0886-009FD Orig	6	4	2.10	< 10	< 1	0.23	14	1.30	0.021	0.040	1.24	3	< 1	27	< 0.01	< 1	< 2	< 10	8	< 10	3	20	
GC22-0886-009FD Dup	6	4	2.10	< 10	< 1	0.22	14	1.31	0.021	0.041	1.25	3	< 1	27	< 0.01	< 1	< 2	< 10	8	< 10	3	22	
GC22-0887-012 Orig																							0.18
GC22-0887-012 Dup																							0.19
13180120289 Orig																							
13180120289 Dup																							
GC22-0848-002 Orig																							
GC22-0848-002 Dup																							
13180120056 Orig																							
13180120056 Dup																							
13180120040 Orig																							1.07
13180120040 Dup																							1.07
13180120040 Orig																							1.07
13180120040 Dup																							1.07
13180120040 Orig																							
13180120040 Dup																							
13180120004 Orig																							
13180120004 Dup																							
13180120156 Orig																							
13180120156 Dup																							
GC22-0875-001 Orig																							
GC22-0875-001 Dup																							
1430001116 Orig																							1.11
1430001116 Dup																							1.08
GC22-0871-004 Orig																							
GC22-0871-004 Dup																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Method Blank																							
Method Blank																							
Method Blank																							
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Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.7	
BaSO4 Cert	14.0	
BaSO4 Meas	13.4	
BaSO4 Cert	14.0	
BaSO4 Meas	13.2	
BaSO4 Cert	14.0	
BaSO4 Meas	13.6	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.8	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	13.6	
BaSO4 Cert	14.0	
BaSO4 Meas	14.4	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	13.1	
BaSO4 Cert	14.0	
BaSO4 Meas	13.7	
BaSO4 Cert	14.0	
BaSO4 Meas	13.6	
BaSO4 Cert	14.0	
BaSO4 Meas	14.7	
BaSO4 Cert	14.0	
BaSO4 Meas	14.9	
BaSO4 Cert	14.0	
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
OREAS 98 (Aqua Regia) Meas		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.01	
SiO2 Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.01	
SiO2 Cert		
SiO2 Meas	0.14	
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		11.7
OREAS 229b (Fire Assay) Cert		11.95
OREAS 229b (Fire Assay) Meas		12.4
OREAS 229b (Fire Assay) Cert		11.95
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.32	
GS316-3 Cert	0.340	
OREAS 257b (Fire Assay) Meas		14.5
OREAS 257b (Fire Assay) Cert		14.220
OREAS 257b (Fire Assay) Meas		14.5
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
GS317-5 Meas	15.4	
GS317-5 Cert	15.5	
GS317-5 Meas	14.5	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	14.5	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	15.4	
GS317-5 Cert	15.5	
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS317-5 Cert	15.5	
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.5	
GS317-5 Cert	15.5	
GS317-5 Meas	14.6	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	15.1	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	15.6	
GS317-5 Cert	15.5	
GS317-5 Meas	15.5	
GS317-5 Cert	15.5	
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
GC22-0798-006 Orig	3.32	
GC22-0798-006 Dup	3.29	
GC22-0737-012 Orig		
GC22-0737-012 Dup		
GC22-0688-005 Orig	1.41	
GC22-0688-005 Dup	1.42	
GC22-0688-005 Orig	1.34	
GC22-0688-005 Dup	1.33	
GC22-0704-003 Orig	0.93	
GC22-0704-003 Dup	0.97	
GC22-0744-006 Orig		
GC22-0744-006 Dup		
GC22-0746-018 Orig		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0746-018 Dup		
GC22-5131-018 Orig	2.09	
GC22-5131-018 Dup	1.01	
GC22-0664-014 Orig		
GC22-0664-014 Dup		
GC22-0588-014 Orig		
GC22-0588-014 Dup		
GC22-0508-017 Orig	1.42	
GC22-0508-017 Dup	1.46	
1431022020 Orig		
1431022020 Dup		
GC22-0855-001 Orig		
GC22-0855-001 Dup		
STUG22-1061 Orig	3.92	
STUG22-1061 Dup	3.99	
STUG22-1061 Orig	3.75	
STUG22-1061 Dup	3.78	
GC22-0879-017 Orig		
GC22-0879-017 Dup		
1312005039 Orig		
1312005039 Dup		
GC22-0841-002 Orig	1.50	
GC22-0841-002 Dup	1.52	
GC22-0810-015 Orig		
GC22-0810-015 Dup		
GC22-0812-018 Orig		
GC22-0812-018 Dup		
1431023119 Orig		
1431023119 Dup		
GC22-0346-014 Orig		
GC22-0346-014 Dup		
GC22-0707-019	1.87	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Orig		
GC22-0707-019 Dup	1.90	
GC22-0760-010 Orig		
GC22-0760-010 Dup		
1431023337 Orig		
1431023337 Dup		
1318007631 Orig		
1318007631 Dup		
GC22-0791-014 Orig	0.87	
GC22-0791-014 Dup	0.85	
GC22-0730-012 Orig	1.18	
GC22-0730-012 Dup	1.22	
GC22-0730-012 Orig	1.23	
GC22-0730-012 Dup	1.27	
GC22-0749-012 Orig		
GC22-0749-012 Dup		
GC22-0654-012 Orig		
GC22-0654-012 Dup		
GC22-0714-013 Orig	1.22	
GC22-0714-013 Dup	1.19	
GC22-0714-013 Orig	1.31	
GC22-0714-013 Dup	1.11	
GC22-2047-001 Orig		
GC22-2047-001 Dup		
GC22-0703-009FD Orig		
GC22-0703-009FD Dup		
1318002361 Orig		
1318002361 Dup		
GC22-0862-012 Orig	1.45	
GC22-0862-012 Dup	1.42	
GC22-0758-005 Orig		
GC22-0758-005 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0422-021 Orig	0.12	
GC22-0422-021 Dup	0.12	
1312003418 Orig		
1312003418 Dup		
GC22-0439-020 Orig		
GC22-0439-020 Dup		
1312003445 Orig	0.27	
1312003445 Dup	0.28	
1312003445 Orig	0.32	
1312003445 Dup	0.30	
GC22-0438-018 Orig	1.56	
GC22-0438-018 Dup	1.61	
GC22-0455-020 Orig		
GC22-0455-020 Dup		
1431022105 Orig		
1431022105 Dup		
GC22-0784-001 Orig	4.11	
GC22-0784-001 Dup	3.95	
GC22-0474-017 Orig		
GC22-0474-017 Dup		
GC22-0750-017 Orig		
GC22-0750-017 Dup		
GC22-0686-016 Orig		
GC22-0686-016 Dup		
1431022022 Orig		
1431022022 Dup		
1432028278 Orig	1.55	
1432028278 Dup	1.54	
GC22-0818-005 Orig		
GC22-0818-005 Dup		
GC22-0419-020 Orig		
GC22-0419-020 Dup		
GC22-0806-019 Orig	1.32	
GC22-0806-019 Dup	1.35	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0808-001 Orig		
GC22-0808-001 Dup		
GC22-0806-009FD Orig	2.34	
GC22-0806-009FD Dup	2.37	
GC22-0820-001 Orig	0.78	
GC22-0820-001 Dup	0.83	
GC22-0820-001 Orig	0.79	
GC22-0820-001 Dup	0.76	
1318004027 Orig		
1318004027 Dup		
GC22-0792-001 Orig		
GC22-0792-001 Dup		
GC22-0832-001 Orig	1.14	
GC22-0832-001 Dup	1.16	
GC22-0751-003 Orig		
GC22-0751-003 Dup		
GC22-0753-002 Orig		
GC22-0753-002 Dup		
1318006266 Orig	1.36	
1318006266 Dup	1.35	
GC22-0794-001 Orig		
GC22-0794-001 Dup		
GC22-0799-017 Orig		
GC22-0799-017 Dup		
1312004054 Orig	3.15	
1312004054 Dup	3.17	
DUG22-2270 Orig	2.56	
DUG22-2270 Dup	2.52	
DUG22-2270 Orig	2.46	
DUG22-2270 Dup	2.51	
STUG22-1099 Orig		
STUG22-1099 Dup		
STUG22-1086 Orig	3.28	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
STUG22-1086 Dup	3.30	
1318012161 Orig		
1318012161 Dup		
DUG22-2216 Orig		
DUG22-2216 Dup		
GC22-0858-007 Orig	1.14	
GC22-0858-007 Dup	1.17	
GC22-0858-007 Orig	1.12	
GC22-0858-007 Dup	1.07	
1318005180 Orig		
1318005180 Dup		
1318005170 Orig	0.63	
1318005170 Dup	0.64	
GC22-0837-017 Orig		
GC22-0837-017 Dup		
GC22-0857-013 Orig		
GC22-0857-013 Dup		
GC22-0783-011 Orig	2.35	
GC22-0783-011 Dup	2.40	
GC22-0854-020 Orig		
GC22-0854-020 Dup		
GC22-0800-017 Orig		
GC22-0800-017 Dup		
1318008031 Orig	3.26	
1318008031 Dup	3.17	
1318005049 Orig		
1318005049 Dup		
1318003019 Orig	1.41	
1318003019 Dup	1.34	
1318003019 Orig	1.28	
1318003019 Dup	1.29	
1318003019 Orig	1.21	
1318003019 Dup	1.23	
GC22-0706-020 Orig		
GC22-0706-020 Dup		
GC22-0884-013 Orig	1.20	
GC22-0884-013	1.22	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Dup		
GC22-0884-013 Orig	1.16	
GC22-0884-013 Dup	1.17	
GC22-0778-014 Orig	1.77	
GC22-0778-014 Dup	1.74	
1318003115 Orig		
1318003115 Dup		
GC22-0886-009FD Orig		
GC22-0886-009FD Dup		
GC22-0887-012 Orig	2.18	
GC22-0887-012 Dup	2.26	
13180120289 Orig		
13180120289 Dup		
GC22-0848-002 Orig		
GC22-0848-002 Dup		
13180120056 Orig		
13180120056 Dup		
13180120040 Orig	0.98	
13180120040 Dup	0.97	
13180120040 Orig	0.93	
13180120040 Dup	0.93	
13180120040 Orig	0.94	
13180120040 Dup	0.94	
13180120004 Orig		
13180120004 Dup		
13180120156 Orig		
13180120156 Dup		
GC22-0875-001 Orig		
GC22-0875-001 Dup		
1430001116 Orig	1.59	
1430001116 Dup	1.61	
GC22-0871-004 Orig		
GC22-0871-004 Dup		
Method Blank		
Method Blank		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
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Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		< 0.02

Report No.: **A23-01844**
Report Date: **19-Apr-23**
Date Submitted: **08-Feb-23**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

125 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-03-09 21:37:01
4F-C, S	Infrared	2023-03-21 21:24:34

REPORT **A23-01844**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: **A23-01844**
Report Date: **19-Apr-23**
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ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

125 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2023-02-14 16:32:09
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2023-02-21 11:28:15
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2023-02-23 16:26:06

REPORT **A23-01844**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

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CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
STUG22-1367	979	None	8.72	-68.4	5.98	0.0804	74.40	0.75	15.8	2.7	89	409	< 1	12	345	770	0.59	41	< 10	24	< 0.5	< 2	0.22
1318010010	194	Slight	8.96	13.2	37.7	1.54	24.52	0.45	0.4	< 0.5	30	657	< 1	19	9	91	1.83	16	< 10	54	< 0.5	< 2	1.74
GC22-5162-002	174	None	9.05	-31.4	10.2	0.246	41.60	0.52	< 0.2	< 0.5	66	168	< 1	10	2	20	2.39	8	< 10	39	< 0.5	< 2	1.00
GC22-0935-002	117	None	8.84	-41.9	8.46	0.168	50.37	0.51	0.6	< 0.5	28	891	< 1	17	8	173	1.93	64	< 10	19	< 0.5	2	0.26
MUG22-4728	2510	None	8.92	-63.2	7.96	0.112	71.19	0.82	20.2	6.0	93	468	< 1	8	608	1470	1.09	103	< 10	14	< 0.5	< 2	0.44
1431024803	75	Slight	9.08	35.4	60.3	2.43	24.82	0.45	0.2	< 0.5	87	265	< 1	12	< 2	37	0.93	3	< 10	38	< 0.5	< 2	2.12
1312006038	93	None	8.97	5.91	16.5	1.56	10.55	0.25	< 0.2	< 0.5	44	322	4	15	< 2	58	3.29	3	< 10	48	< 0.5	< 2	1.78
GC22-5163-001	186	Slight	9.22	-5.22	18.2	0.777	23.41	0.31	< 0.2	< 0.5	113	207	< 1	5	< 2	26	2.91	5	< 10	49	< 0.5	< 2	1.58
1318010096	221	Slight	9.11	21.6	46.3	1.87	24.75	0.41	0.7	< 0.5	25	784	< 1	11	36	143	1.46	29	< 10	36	< 0.5	< 2	1.77
GC22-5166-002	175	None	8.94	-56.3	4.99	0.0814	61.26	1.01	7.5	< 0.5	1850	725	1	22	11	150	3.04	79	< 10	25	< 0.5	12	0.54
1318016672	94	Slight	9.06	5.32	25.2	1.27	19.91	0.31	1.0	< 0.5	16	453	< 1	11	7	67	1.68	17	< 10	35	< 0.5	< 2	1.23
1318010527	359	None	8.60	-3.46	38.1	0.917	41.54	0.50	0.5	3.1	38	675	< 1	12	31	879	2.42	60	< 10	33	< 0.5	< 2	1.16
GC22-5104-001	429	Slight	8.89	-42.2	18.7	0.307	60.84	0.56	0.4	< 0.5	209	225	1	5	< 2	20	2.98	8	< 10	28	< 0.5	4	1.62
1431024820	70	Slight	8.52	-43.8	55.1	0.557	98.95	1.11	< 0.2	< 0.5	151	381	1	32	< 2	37	1.42	4	< 10	19	< 0.5	< 2	2.06
GC22-5113-001	248	None	9.01	-16.5	5.99	0.267	22.44	0.24	0.4	< 0.5	180	152	< 1	2	< 2	27	2.20	4	< 10	32	< 0.5	2	0.90
1312006605	488	None	8.73	-20.7	8.99	0.303	29.66	0.35	0.5	< 0.5	199	228	1	6	4	28	2.74	8	< 10	29	< 0.5	2	1.40
GC22-5168-009	2370	None	8.77	-26.0	10.8	0.293	36.74	0.34	0.3	< 0.5	133	216	< 1	13	2	22	3.07	11	< 10	40	< 0.5	2	1.46
GC22-5167-002	205	None	8.30	-130	4.00	0.0298	134.34	0.90	1.1	< 0.5	18	326	1	22	13	63	1.51	102	< 10	15	< 0.5	4	0.23
1431025795	47	Slight	8.90	5.09	41.6	1.14	36.53	0.47	< 0.2	< 0.5	156	257	2	14	2	43	1.15	2	< 10	28	< 0.5	< 2	1.63
GC22-5087-013	252	Slight	9.08	-2.46	22.4	0.901	24.89	0.44	0.6	< 0.5	268	401	4	14	< 2	55	3.87	8	< 10	29	< 0.5	< 2	2.00
1318010301	116	Slight	8.91	-6.92	21.7	0.758	28.62	0.36	< 0.2	< 0.5	19	610	< 1	11	11	117	3.01	33	< 10	37	< 0.5	< 2	1.46
1431025681	94	Slight	8.91	-14.3	33.9	0.703	48.16	0.52	0.3	< 0.5	85	324	1	16	10	66	1.00	8	< 10	30	< 0.5	< 2	1.28
1431025648	81	Slight	8.75	2.03	51.9	1.04	49.84	0.82	0.2	< 0.5	160	219	3	15	< 2	26	0.73	3	< 10	29	< 0.5	< 2	1.51
GC22-5081-013	356	None	9.00	-14.7	19.2	0.566	33.93	0.45	0.9	< 0.5	346	161	25	12	2	30	2.41	10	< 10	27	< 0.5	< 2	0.80
1431025715	51	Slight	8.87	-10.2	26.7	0.724	36.91	0.45	0.2	< 0.5	118	258	2	9	< 2	31	1.07	5	< 10	29	< 0.5	< 2	1.03
GC22-0877-020	54	Slight	9.13	-2.47	26.9	0.916	29.39	0.41	0.3	< 0.5	19	526	< 1	9	47	114	2.18	30	< 10	32	< 0.5	< 2	1.41
GC22-5165-001	205	None	8.99	-25.4	6.50	0.204	31.92	0.40	0.6	< 0.5	232	181	< 1	3	4	27	2.76	3	< 10	33	< 0.5	< 2	1.24
F013626	524																						
F013638	522																						
GC22-0928-018	521	None	8.84	-20.4	16.2	0.442	36.60	0.41	0.2	< 0.5	182	228	< 1	2	2	22	2.76	4	< 10	44	< 0.5	2	1.41
1431025630	35	Slight	8.58	-10.3	41.1	0.800	51.35	0.78	< 0.2	< 0.5	123	1360	1	30	< 2	55	1.51	4	< 10	33	< 0.5	< 2	1.12
GC22-5137-003	240	Slight	9.00	-4.20	30.7	0.879	34.86	0.51	0.3	< 0.5	338	287	< 1	27	3	31	2.71	8	< 10	48	< 0.5	6	1.63
1431025601	52	Slight	9.00	17.4	60.5	1.40	43.15	0.60	0.2	< 0.5	69	399	2	11	3	53	0.79	6	< 10	29	< 0.5	< 2	1.74
1312006610	1270	None	8.51	-38.1	12.2	0.243	50.37	0.57	0.6	< 0.5	404	351	3	13	< 2	39	2.98	12	< 10	22	< 0.5	6	0.97
1312006308	454	None	8.78	-21.4	7.47	0.259	28.90	0.33	0.3	< 0.5	170	203	2	9	< 2	23	2.72	8	< 10	20	< 0.5	< 2	1.14
GC22-0887-017	832	Slight	9.07	-5.15	22.2	0.811	27.30	0.72	1.5	14.7	70	982	< 1	8	193	3140	1.32	55	< 10	62	< 0.5	< 2	0.79
1318008021	113	Slight	8.53	-11.2	40.4	0.782	51.66	1.25	1.2	0.7	124	1330	< 1	65	4	379	3.35	8	< 10	33	< 0.5	< 2	2.35
GC22-0934-020	401	None	8.80	-8.28	15.2	0.648	23.51	0.35	0.3	< 0.5	159	189	< 1	3	3	21	2.97	3	< 10	34	< 0.5	2	1.52
1318014037	115	Slight	9.05	42.3	83.6	2.02	41.30	0.60	0.6	< 0.5	13	1330	< 1	11	48	152	0.96	40	< 10	39	< 0.5	< 2	2.74
1431025415	54	Slight	9.06	46.9	78.4	2.49	31.54	0.64	< 0.2	< 0.5	113	388	< 1	22	2	40	1.40	< 2	< 10	45	< 0.5	< 2	2.72
GC22-0869-021	1190	None	8.74	-69.6	9.97	0.125	79.56	1.99	2.4	54.1	353	550	< 1	7	30	> 10000	1.26	94	< 10	21	< 0.5	< 2	0.30
GC22-0910-010	361	Slight	9.33	27.3	48.9	2.27	21.59	0.33	0.5	< 0.5	16	1020	< 1	6	30	71	1.78	68	< 10	29	< 0.5	< 2	2.09
GC2-0896-018	98	None	9.18	-6.34	20.4	0.763	26.78	0.36	0.5	2.0	22	723	< 1	7	44	528	1.74	28	< 10	22	< 0.5	< 2	1.67
GC22-0844-013	410	Slight	9.12	-7.13	34.6	0.829	41.73	0.43	0.9	< 0.5	16	735	< 1	8	52	78	1.68	50	< 10	20	< 0.5	< 2	1.83
1431025639	29	Slight	9.27	66.4	76.4	7.61	10.04	0.41	< 0.2	< 0.5	34	544	< 1	24	4	71	1.19	7	< 10	30	< 0.5	< 2	2.55
F013629	332																						
F013625	329																						
1431026217	74	Slight	8.68	-32.6	23.5	0.419	56.14	0.56	0.7	0.7	86	410	< 1	14	8	199	1.43	16	< 10	41	< 0.5	3	0.86
1317026135	1230	None	8.90	-18.6	41.4	0.690	59.93	1.21	1.4	22.2	111	1340	3	6	185	5130	0.67	155	< 10	35	< 0.5	< 2	1.14

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1317026582	3890	Slight	8.74	-41.1	21.0	0.338	62.07	1.75	3.5	40.6	152	943	< 1	9	58	9130	1.43	63	< 10	34	< 0.5	4	0.77
1317025704	244	Slight	9.02	-0.196	37.6	0.995	37.83	0.75	1.1	11.0	47	961	< 1	5	64	2420	1.37	46	< 10	24	< 0.5	< 2	1.52
1317028306	1130	Slight	8.90	-6.99	33.7	0.828	40.64	0.66	0.8	5.8	176	659	< 1	9	6	1400	1.67	32	< 10	34	< 0.5	< 2	1.71
GC22-0937-015	1750	None	8.41	-61.7	6.50	0.0952	68.22	0.53	1.4	< 0.5	323	164	1	5	2	21	2.06	6	< 10	36	< 0.5	21	0.89
1317028391	302	None	8.42	-68.6	6.49	0.0864	75.06	0.86	2.3	10.0	89	230	< 1	17	964	2570	0.44	138	< 10	29	< 0.5	< 2	0.28
GC22-0840-021	168	Slight	8.84	-1.72	26.4	0.939	28.12	0.45	1.0	4.3	43	535	< 1	8	29	1020	0.63	73	< 10	28	< 0.5	< 2	1.02
1317025700	705	Slight	8.45	-20.2	42.7	0.679	62.93	0.88	1.7	8.9	49	793	1	8	62	1990	1.14	63	< 10	20	< 0.5	< 2	1.37
1317025435	266	Slight	9.05	-9.48	25.8	0.732	35.31	0.65	0.7	7.6	24	789	< 1	6	55	1660	1.87	22	< 10	23	< 0.5	< 2	1.35
1317025461	530	Slight	8.69	-0.734	52.2	0.986	52.97	0.81	1.9	7.6	64	997	< 1	9	31	1620	0.77	71	< 10	16	< 0.5	< 2	1.58
1317025503	1530	Slight	8.92	-20.2	36.7	0.646	56.89	1.01	2.4	15.7	69	809	< 1	8	61	3410	0.98	101	< 10	21	< 0.5	< 2	1.28
1317025545	1910	None	8.64	-44.8	7.92	0.150	52.71	0.78	9.1	8.7	92	561	< 1	9	118	1830	1.42	82	< 10	19	< 0.5	< 2	0.41
GC22-5080-017	230	Slight	9.20	36.8	65.0	2.31	28.13	0.45	0.4	< 0.5	19	1140	< 1	7	40	79	1.42	85	< 10	29	< 0.5	< 2	2.34
GC22-0918-016	240	Slight	9.32	24.9	88.2	1.39	63.30	0.78	1.6	1.6	50	1240	< 1	10	100	429	0.69	41	< 10	40	< 0.5	< 2	2.68
GC22-0718-014	117	Slight	8.75	-54.5	25.4	0.318	79.93	1.23	1.1	23.1	22	596	< 1	6	46	5240	0.81	104	< 10	31	< 0.5	< 2	1.05
1317025440	242	Slight	8.92	-9.24	32.9	0.781	42.19	0.57	0.6	4.5	30	787	< 1	6	29	1080	1.13	35	< 10	20	< 0.5	< 2	1.29
GC22-0745-017	274	Slight	8.45	-42.2	27.7	0.396	69.88	0.90	1.1	10.5	60	508	< 1	21	50	2340	1.10	109	< 10	26	< 0.5	< 2	1.37
GC22-0795-016	61	Slight	8.77	23.8	68.9	1.53	45.13	0.60	0.4	< 0.5	12	1280	< 1	12	30	109	1.61	35	< 10	39	< 0.5	< 2	3.06
F013609	341																						
F013637	342																						
1318010005	44	Slight	8.98	12.2	29.6	1.70	17.47	0.42	< 0.2	< 0.5	31	666	< 1	14	8	172	2.36	15	< 10	31	< 0.5	< 2	1.62
1312007817	131	Slight	8.99	-22.7	11.7	0.341	34.46	0.45	0.4	< 0.5	86	361	2	22	2	74	2.83	8	< 10	34	< 0.5	< 2	1.27
1431024175	36	Slight	8.53	-1.80	78.6	0.978	80.36	0.95	< 0.2	< 0.5	49	651	4	31	< 2	51	1.85	3	< 10	26	< 0.5	< 2	2.93
1318010075	1180	None	8.43	-53.0	13.7	0.206	66.70	0.76	2.3	6.7	72	452	< 1	8	28	1830	0.92	132	< 10	34	< 0.5	< 2	0.81
1431028014	91	Slight	8.77	-2.12	31.2	0.937	33.36	0.37	0.3	< 0.5	41	652	1	20	27	132	1.08	22	< 10	25	< 0.5	< 2	1.28
1318011243	393	None	8.75	-15.8	31.0	0.663	46.82	0.45	1.6	< 0.5	29	881	< 1	9	59	163	1.13	39	< 10	29	< 0.5	< 2	1.57
STUG22-1463	1040	None	8.95	-72.2	4.98	0.0646	77.14	1.20	32.4	18.5	225	190	< 1	9	880	5270	0.58	75	< 10	30	< 0.5	< 2	0.15
1431024011	165	Slight	9.10	42.9	84.7	2.03	41.81	0.56	0.4	< 0.5	125	620	1	10	2	36	0.81	5	< 10	42	< 0.5	< 2	2.25
GC22-0922-001	1170	Slight	8.94	-31.9	16.8	0.345	48.66	0.85	1.6	< 0.5	425	264	< 1	11	16	95	3.50	8	< 10	64	< 0.5	< 2	1.56
GC22-0907-008	876	Slight	9.01	17.8	53.7	1.49	35.94	0.50	1.6	1.0	36	1310	< 1	6	137	304	1.04	80	< 10	22	< 0.5	< 2	1.93
1318010017	75	Slight	8.80	-13.7	14.5	0.514	28.19	0.41	0.5	< 0.5	21	465	< 1	9	17	71	2.44	24	< 10	34	< 0.5	< 2	1.48
GC22-0937-006	111	Slight	8.86	-4.01	19.2	0.827	23.24	0.32	< 0.2	< 0.5	34	541	1	17	< 2	59	2.40	9	< 10	106	< 0.5	< 2	0.74
1431024153	36	Slight	8.76	-27.4	43.0	0.610	70.42	0.70	< 0.2	< 0.5	101	493	1	16	4	43	1.26	5	< 10	33	< 0.5	< 2	1.50
GC22-0872-019	100	Slight	9.24	-7.28	30.4	0.807	37.71	0.44	0.6	1.9	13	849	< 1	6	33	474	2.01	37	< 10	24	< 0.5	< 2	1.56
GC22-0913-001	593	None	8.89	-29.1	5.25	0.153	34.34	0.32	0.6	< 0.5	503	127	< 1	2	< 2	18	1.29	7	< 10	25	< 0.5	4	0.41
GC22-0939-002	22	Slight	9.13	78.9	79.0	506	< 0.31	0.31	< 0.2	< 0.5	23	884	< 1	28	3	90	2.53	< 2	< 10	722	< 0.5	< 2	3.19
F013618	534																						
F013614	540																						
1318013076	549	Slight	8.67	-41.1	26.2	0.390	67.27	0.73	1.4	4.3	27	750	< 1	9	48	982	1.32	124	< 10	28	< 0.5	< 2	1.08
GC22-0903-005	343	Slight	9.07	6.49	31.0	1.26	24.50	0.39	0.7	< 0.5	17	687	2	15	22	64	2.26	29	< 10	31	< 0.5	< 2	1.59
1318013074	902	Slight	9.00	-33.3	50.7	0.603	84.00	0.89	1.5	2.9	49	692	< 1	25	33	690	1.30	76	< 10	28	0.6	< 2	1.91
GC22-0905-002	67	Slight	9.36	35.4	51.7	3.18	16.26	0.56	0.3	0.6	12	837	1	11	5	172	2.15	7	< 10	81	< 0.5	< 2	2.43
GC22-0868-013	245	Slight	8.98	-14.1	21.4	0.602	35.51	0.42	0.6	< 0.5	24	802	< 1	8	59	105	2.40	51	< 10	30	< 0.5	< 2	1.21
1431027170	413	None	9.13	27.3	74.2	1.58	46.92	0.62	3.9	0.6	28	728	< 1	10	23	224	0.86	139	< 10	33	< 0.5	< 2	1.63
GC22-5097-006	111	Slight	9.18	-3.70	17.6	0.826	21.29	0.36	0.3	< 0.5	17	748	< 1	8	20	84	2.86	20	< 10	27	< 0.5	< 2	1.52
GC22-5080-012	1980	Slight	9.17	10.7	54.1	1.25	43.41	0.53	1.5	< 0.5	14	838	< 1	6	24	86	0.93	70	< 10	25	< 0.5	< 2	2.14
1431027235	116	None	8.95	-5.13	20.9	0.803	26.00	0.33	1.0	< 0.5	13	464	< 1	10	6	136	1.32	26	< 10	27	< 0.5	< 2	0.75
1431024101	118	Slight	8.63	-36.7	67.2	0.647	103.99	1.29	0.3	< 0.5	220	681	2	31	< 2	51	1.26	4	< 10	28	< 0.5	< 2	2.77
GC22-0904-006	82	Slight	9.16	-1.36	20.4	0.938	21.75	0.52	0.7	0.7	95	664	1	12	26	249	1.63	9	< 10	59	< 0.5	< 2	1.36
1431027030	124	None	8.62	-23.7	13.9	0.370	37.58	0.32	0.4	< 0.5	75	408	< 1	14	5	116	1.26	15	< 10	26	< 0.5	< 2	0.59

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-5102-006	279	Slight	9.20	10.1	31.6	1.47	21.51	0.35	0.6	1.2	29	843	< 1	8	35	263	2.67	50	< 10	31	< 0.5	< 2	2.34
GC22-5084-007	2080	Slight	8.95	6.92	57.2	1.14	50.23	0.51	1.5	1.3	20	1130	< 1	8	98	411	1.05	91	< 10	23	< 0.5	< 2	2.03
GC22-0904-003	163	Slight	9.38	-0.976	29.7	0.968	30.68	0.43	1.1	2.8	23	602	1	12	3	648	1.08	8	< 10	65	< 0.5	< 2	1.25
1431024502	45	Slight	8.67	-1.13	75.9	0.985	77.07	0.97	< 0.2	< 0.5	62	624	2	32	4	50	1.43	5	< 10	29	< 0.5	< 2	2.43
1431027104	292	None	9.00	14.2	48.9	1.41	34.78	0.59	2.9	< 0.5	66	627	1	11	8	168	0.94	53	< 10	27	< 0.5	< 2	1.26
STUG22-0609	1900	Slight	8.76	-42.5	28.7	0.403	71.26	1.23	26.8	8.3	125	2350	< 1	70	288	2070	1.67	59	< 10	24	< 0.5	< 2	1.27
1431027167	326	None	9.12	-1.56	63.7	0.976	65.29	0.61	22.6	< 0.5	44	1210	1	10	49	101	0.43	110	< 10	23	< 0.5	< 2	1.36
GC22-0902-009	46	None	9.20	-1.70	31.2	0.948	32.88	0.39	0.5	< 0.5	17	876	< 1	8	48	139	2.79	29	< 10	32	< 0.5	< 2	1.89
1431024140	36	Slight	8.47	-123	20.0	0.139	143.38	1.91	< 0.2	< 0.5	31	765	< 1	54	< 2	48	2.77	6	< 10	12	< 0.5	3	2.98
1431024121	115	Slight	8.43	-93.4	79.2	0.459	172.65	3.24	0.3	< 0.5	156	739	< 1	62	3	58	2.24	21	< 10	16	< 0.5	3	2.69
1318011020	135	Slight	9.02	13.3	42.2	1.46	28.94	0.38	0.6	0.9	25	1240	< 1	16	68	237	1.25	39	< 10	26	< 0.5	< 2	1.45
1318011038	603	Slight	8.97	17.1	44.7	1.62	27.56	0.37	1.4	0.9	42	1370	< 1	7	158	262	1.28	43	< 10	21	< 0.5	< 2	1.68
F013630	552																						
F013622	556																						
GC22-0874-016	2530	Slight	9.12	2.02	50.6	1.04	48.60	0.71	2.9	5.9	70	1160	< 1	6	404	1690	1.00	62	< 10	25	< 0.5	< 2	1.61
1318014061	112	Slight	9.00	16.0	68.3	1.31	52.29	0.63	1.7	1.5	41	1330	1	10	66	416	1.15	49	< 10	28	< 0.5	< 2	2.36
1318008049	10	Slight	9.29	49.5	58.7	6.36	9.23	0.49	< 0.2	< 0.5	18	618	< 1	8	3	116	1.06	7	< 10	43	< 0.5	< 2	1.99
1318008011	13	None	9.54	61.4	64.2	23.4	2.75	0.27	< 0.2	< 0.5	92	500	< 1	323	8	57	2.22	5	< 10	178	< 0.5	< 2	1.64
1318008045	10	Slight	9.36	43.1	52.9	5.42	9.77	0.40	< 0.2	< 0.5	14	629	< 1	9	5	124	1.00	4	< 10	42	< 0.5	< 2	1.77
1317026126	510	None	8.70	-41.6	16.2	0.281	57.85	1.22	2.5	22.6	168	316	< 1	9	24	5230	0.63	91	< 10	31	< 0.5	< 2	0.47
1317026074	3870	None	8.57	-49.3	20.9	0.298	70.25	0.83	1.9	6.5	46	830	< 1	5	114	1420	0.71	93	< 10	35	< 0.5	< 2	0.64
GC22-5161-007	> 5000	None	6.97	-101	4.99	0.0472	105.74	1.00	7.0	< 0.5	3000	41	4	7	6	45	0.64	23	< 10	22	< 0.5	27	0.17
GC22-0907-016	352	Slight	8.85	-23.4	21.0	0.473	44.32	0.43	1.1	1.1	64	763	2	7	37	352	2.02	46	< 10	21	< 0.5	< 2	0.97
1317026082	1910	None	8.06	-69.9	13.7	0.164	83.61	1.05	2.5	12.1	126	415	< 1	7	144	2940	0.45	167	< 10	11	< 0.5	< 2	0.19
1317026100	404	None	8.89	0.154	49.1	1.00	48.98	0.85	1.4	7.6	52	1330	< 1	5	90	1830	0.43	106	< 10	43	< 0.5	< 2	1.07
1317026123	934	None	8.82	-29.8	21.5	0.419	51.29	1.33	4.5	23.6	103	1010	< 1	8	64	5260	0.84	92	< 10	43	< 0.5	< 2	0.60
1317028380	785	Slight	8.79	-7.07	30.7	0.813	37.73	0.56	1.4	4.5	48	792	< 1	6	293	1180	1.16	33	< 10	40	< 0.5	< 2	1.30

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
STUG22-1367	10	58	2.31	< 10	1	0.17	14	0.23	0.025	0.074	2.63	13	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	2	8	0.04
1318010010	11	64	2.43	< 10	< 1	0.21	18	0.95	0.087	0.081	0.99	2	2	52	0.04	< 1	< 2	< 10	20	< 10	3	10	0.49
GC22-5162-002	14	45	2.31	< 10	< 1	0.15	< 10	0.56	0.116	0.055	1.58	3	< 1	67	< 0.01	3	< 2	< 10	6	< 10	2	15	0.09
GC22-0935-002	13	63	3.22	< 10	< 1	0.13	19	1.67	0.020	0.082	1.79	3	1	12	< 0.01	2	< 2	< 10	14	< 10	4	17	0.04
MUG22-4728	8	7	2.41	< 10	2	0.33	< 10	0.44	0.038	0.067	2.78	20	< 1	25	0.01	1	< 2	< 10	6	< 10	1	13	0.05
1431024803	14	93	1.95	< 10	< 1	0.09	12	0.56	0.044	0.055	0.97	< 2	1	55	< 0.01	2	< 2	< 10	10	< 10	2	8	0.76
1312006038	7	120	1.75	< 10	< 1	0.21	11	1.45	0.111	0.058	0.40	3	2	113	0.05	< 1	< 2	< 10	19	< 10	3	17	0.18
GC22-5163-001	4	69	2.07	< 10	< 1	0.18	< 10	0.76	0.176	0.049	0.86	3	< 1	126	< 0.01	5	< 2	< 10	6	< 10	2	12	0.14
1318010096	8	6	1.89	< 10	< 1	0.18	14	0.71	0.084	0.065	0.91	2	< 1	50	< 0.01	< 1	< 2	< 10	11	< 10	2	13	0.54
GC22-5166-002	17	58	4.18	< 10	< 1	0.14	15	2.71	0.052	0.080	2.40	5	2	31	0.02	1	< 2	< 10	28	< 10	5	24	0.07
1318016672	8	8	1.75	< 10	< 1	0.14	13	0.71	0.135	0.058	0.70	< 2	< 1	63	< 0.01	1	< 2	< 10	11	< 10	2	9	0.42
1318010527	9	72	2.59	< 10	< 1	0.15	22	0.92	0.092	0.082	1.47	4	< 1	50	0.03	< 1	< 2	< 10	11	< 10	3	10	0.19
GC22-5104-001	9	6	3.39	< 10	< 1	0.12	11	0.97	0.190	0.055	2.32	< 2	< 1	156	< 0.01	< 1	< 2	< 10	6	< 10	2	11	0.15
1431024820	21	73	4.67	< 10	< 1	0.05	< 10	0.95	0.048	0.076	3.76	2	3	36	< 0.01	< 1	< 2	< 10	46	< 10	5	9	0.68
GC22-5113-001	6	5	1.67	< 10	< 1	0.11	< 10	0.44	0.138	0.060	0.80	< 2	< 1	108	< 0.01	< 1	< 2	< 10	4	< 10	2	12	0.03
1312006605	8	6	1.86	< 10	< 1	0.12	13	0.72	0.231	0.058	1.15	< 2	< 1	126	< 0.01	< 1	< 2	< 10	9	< 10	2	14	0.16
GC22-5168-009	7	10	2.39	< 10	< 1	0.12	< 10	0.68	0.250	0.050	1.33	4	< 1	165	< 0.01	3	< 2	< 10	8	< 10	2	13	0.08
GC22-5167-002	19	9	5.06	< 10	< 1	0.17	18	1.25	0.024	0.094	4.97	3	1	17	0.03	< 1	< 2	< 10	15	< 10	6	36	0.02
1431025795	6	54	2.21	< 10	< 1	0.09	13	0.79	0.062	0.065	1.37	2	< 1	38	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.49
GC22-5087-013	8	34	2.70	10	< 1	0.14	10	1.32	0.242	0.057	0.89	3	2	261	< 0.01	< 1	< 2	< 10	24	< 10	3	12	0.23
1318010301	11	8	2.68	< 10	< 1	0.13	20	0.94	0.134	0.091	1.09	3	1	70	< 0.01	< 1	< 2	< 10	14	< 10	3	5	0.21
1431025681	11	21	2.48	< 10	< 1	0.12	12	0.73	0.057	0.063	1.82	2	1	38	0.02	1	< 2	< 10	15	< 10	3	10	0.50
1431025648	10	158	2.20	< 10	< 1	0.12	13	0.66	0.057	0.059	1.92	2	< 1	38	< 0.01	< 1	< 2	< 10	6	< 10	2	10	0.74
GC22-5081-013	6	60	1.85	< 10	< 1	0.09	16	0.81	0.103	0.065	1.34	3	1	123	< 0.01	< 1	< 2	< 10	11	< 10	3	13	0.09
1431025715	11	7	1.96	< 10	1	0.11	15	0.70	0.049	0.094	1.35	3	< 1	37	< 0.01	< 1	< 2	< 10	6	< 10	2	7	0.36
GC22-0877-020	6	57	1.59	< 10	< 1	0.21	16	0.86	0.152	0.057	1.10	2	< 1	56	0.03	1	< 2	< 10	7	< 10	2	16	0.22
GC22-5165-001	5	4	2.14	< 10	< 1	0.13	< 10	0.61	0.276	0.047	1.21	3	< 1	186	< 0.01	< 1	< 2	< 10	6	< 10	2	12	0.05
F013626																							
F013638																							
GC22-0928-018	4	5	2.74	< 10	< 1	0.14	< 10	0.73	0.197	0.049	1.30	< 2	< 1	125	< 0.01	< 1	< 2	< 10	7	< 10	2	15	0.12
1431025630	16	105	3.67	< 10	< 1	0.12	17	1.22	0.041	0.120	1.96	2	2	36	< 0.01	< 1	< 2	< 10	17	< 10	4	10	0.66
GC22-5137-003	9	55	2.72	< 10	< 1	0.14	19	1.08	0.153	0.079	1.36	< 2	2	115	< 0.01	1	< 2	< 10	17	< 10	2	15	0.28
1431025601	7	8	2.11	< 10	< 1	0.15	< 10	0.75	0.047	0.057	1.56	3	< 1	36	< 0.01	< 1	< 2	< 10	8	< 10	2	7	0.81
1312006610	15	11	3.48	< 10	< 1	0.08	18	0.99	0.122	0.057	1.77	3	2	104	< 0.01	< 1	< 2	< 10	20	< 10	3	19	0.17
1312006308	6	93	1.92	< 10	< 1	0.08	< 10	0.74	0.134	0.052	1.06	3	< 1	105	< 0.01	2	< 2	< 10	10	< 10	2	13	0.11
GC22-0887-017	6	61	2.36	< 10	< 1	0.26	15	0.94	0.011	0.060	1.20	2	< 1	33	0.02	< 1	< 2	< 10	8	< 10	2	18	0.24
1318008021	42	96	11.1	10	1	0.20	< 10	1.40	0.138	0.113	1.95	2	11	104	0.27	< 1	< 2	< 10	209	11	10	5	0.44
GC22-0934-020	3	5	2.34	< 10	< 1	0.14	< 10	0.65	0.267	0.049	0.99	< 2	< 1	183	< 0.01	1	< 2	< 10	8	< 10	2	13	0.11
1318014037	7	7	1.88	< 10	< 1	0.22	12	0.81	0.035	0.059	1.51	2	< 1	37	< 0.01	< 1	< 2	< 10	4	< 10	2	14	1.14
1431025415	8	74	2.40	< 10	< 1	0.14	11	1.02	0.082	0.090	1.30	< 2	1	86	< 0.01	< 1	< 2	< 10	11	< 10	2	10	1.07
GC22-0869-021	10	4	3.43	< 10	2	0.21	16	0.88	0.013	0.054	3.40	3	< 1	12	< 0.01	< 1	< 2	< 10	6	< 10	1	32	0.07
GC22-0910-010	6	5	1.79	< 10	< 1	0.23	15	1.12	0.036	0.058	0.83	3	< 1	49	0.01	< 1	< 2	< 10	8	< 10	2	20	0.55
GC2-0896-018	5	64	1.48	< 10	< 1	0.15	15	0.82	0.028	0.056	0.99	2	< 1	21	0.06	< 1	< 2	< 10	8	< 10	2	20	0.24
GC22-0844-013	7	40	1.97	< 10	< 1	0.15	16	1.01	0.046	0.064	1.62	3	< 1	46	0.03	< 1	< 2	< 10	8	< 10	2	23	0.39
1431025639	12	14	2.35	< 10	< 1	0.10	< 10	1.01	0.045	0.068	0.46	< 2	2	55	0.02	< 1	< 2	< 10	17	< 10	2	11	1.06
F013629																							
F013625																							
1431026217	10	14	2.65	< 10	< 1	0.14	19	1.13	0.049	0.082	1.88	3	2	29	0.04	< 1	< 2	< 10	26	< 10	3	13	0.29
1317026135	7	3	2.46	< 10	< 1	0.21	< 10	0.60	0.012	0.060	2.42	4	< 1	48	< 0.01	< 1	< 2	< 10	4	< 10	1	13	0.58
1317026582	7	132	3.28	< 10	< 1	0.32	15	1.10	0.012	0.056	2.52	2	< 1	23	0.05	< 1	< 2	< 10	10	< 10	1	25	0.24
1317025704	6	4	2.03	< 10	< 1	0.27	14	1.00	0.015	0.051	1.37	4	< 1	28	0.02	< 1	< 2	< 10	7	< 10	2	26	0.52

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1317028306	10	5	2.28	< 10	< 1	0.20	26	0.80	0.037	0.088	1.57	5	1	33	< 0.01	< 1	< 2	< 10	11	< 10	3	27	0.41
GC22-0937-015	7	6	3.09	< 10	< 1	0.16	< 10	0.54	0.161	0.048	2.27	2	< 1	111	< 0.01	< 1	< 2	< 10	5	< 10	2	14	0.09
1317028391	15	3	2.18	< 10	< 1	0.19	< 10	0.10	0.013	0.064	2.64	14	< 1	9	< 0.01	< 1	< 2	< 10	2	< 10	1	21	0.11
GC22-0840-021	4	75	1.09	< 10	< 1	0.21	16	0.30	0.015	0.070	1.07	9	< 1	19	< 0.01	3	< 2	< 10	3	< 10	2	17	0.36
1317025700	10	4	2.75	< 10	< 1	0.19	15	0.94	0.018	0.060	2.30	3	< 1	23	0.01	< 1	< 2	< 10	6	< 10	2	25	0.54
1317025435	5	4	1.92	< 10	< 1	0.23	15	1.12	0.053	0.055	1.33	3	< 1	51	0.02	< 1	< 2	< 10	8	< 10	2	22	0.30
1317025461	6	52	2.30	< 10	< 1	0.17	< 10	0.71	0.012	0.050	1.99	3	< 1	28	< 0.01	< 1	< 2	< 10	4	< 10	2	19	0.66
1317025503	7	5	2.52	< 10	< 1	0.24	13	0.67	0.014	0.054	2.30	4	< 1	19	0.02	< 1	< 2	< 10	5	< 10	2	26	0.43
1317025545	7	117	3.12	< 10	< 1	0.24	16	0.98	0.012	0.055	1.93	4	< 1	12	0.04	< 1	< 2	< 10	8	< 10	1	27	0.20
GC22-5080-017	6	32	1.69	< 10	< 1	0.22	14	1.04	0.018	0.052	1.00	3	< 1	33	< 0.01	< 1	< 2	< 10	6	< 10	2	22	0.83
GC22-0918-016	8	4	2.26	< 10	< 1	0.18	< 10	0.83	0.054	0.077	2.33	3	< 1	87	< 0.01	2	< 2	< 10	4	< 10	2	15	1.18
GC22-0718-014	6	4	2.34	< 10	< 1	0.18	14	0.38	0.038	0.053	2.83	< 2	< 1	29	0.03	< 1	< 2	< 10	3	< 10	2	23	0.30
1317025440	6	3	1.83	< 10	< 1	0.21	15	0.84	0.018	0.051	1.48	2	< 1	25	0.01	5	< 2	< 10	5	< 10	2	26	0.40
GC22-0745-017	9	56	2.97	< 10	< 1	0.15	15	0.64	0.033	0.065	2.73	3	1	25	< 0.01	< 1	< 2	< 10	10	< 10	2	15	0.37
GC22-0795-016	8	23	1.99	< 10	< 1	0.21	13	0.71	0.075	0.063	1.65	2	< 1	50	0.03	< 1	< 2	< 10	7	< 10	2	18	0.78
F013609																							
F013637																							
1318010005	11	11	2.96	< 10	< 1	0.13	16	0.86	0.148	0.077	0.68	3	2	74	0.05	< 1	< 2	< 10	29	< 10	4	15	0.41
1312007817	11	70	3.15	< 10	< 1	0.12	12	1.05	0.190	0.055	1.15	3	2	121	0.04	2	< 2	< 10	25	< 10	2	15	0.17
1431024175	20	71	4.24	< 10	< 1	0.08	16	1.37	0.078	0.087	2.93	3	3	70	< 0.01	5	< 2	< 10	27	< 10	5	17	1.17
1318010075	8	4	2.45	< 10	< 1	0.16	18	0.43	0.021	0.067	2.37	4	< 1	20	< 0.01	< 1	< 2	< 10	5	< 10	2	26	0.26
1431028014	11	22	2.43	< 10	< 1	0.10	< 10	0.75	0.041	0.066	1.18	< 2	2	33	0.07	< 1	< 2	< 10	25	< 10	3	9	0.49
1318011243	7	51	1.80	< 10	< 1	0.16	12	0.60	0.073	0.056	1.63	4	< 1	36	< 0.01	< 1	< 2	< 10	5	< 10	2	18	0.52
STUG22-1463	8	36	2.24	< 10	7	0.21	< 10	0.14	0.025	0.062	2.85	31	< 1	16	< 0.01	1	< 2	< 10	4	< 10	2	6	0.03
1431024011	9	4	2.01	< 10	< 1	0.13	< 10	0.97	0.053	0.059	1.38	< 2	< 1	42	< 0.01	3	< 2	< 10	5	< 10	2	8	1.27
GC22-0922-001	6	108	3.27	< 10	< 1	0.34	11	0.86	0.255	0.059	1.76	4	1	175	< 0.01	< 1	< 2	< 10	13	< 10	2	16	0.16
GC22-0907-008	6	34	1.78	< 10	< 1	0.20	11	0.94	0.016	0.055	1.36	3	< 1	36	< 0.01	< 1	< 2	< 10	4	< 10	2	17	0.74
1318010017	8	6	1.85	< 10	< 1	0.14	14	0.65	0.177	0.061	1.03	3	< 1	71	< 0.01	< 1	< 2	< 10	8	< 10	2	14	0.23
GC22-0937-006	9	27	4.11	< 10	< 1	0.30	26	1.77	0.022	0.091	0.75	2	3	62	0.04	< 1	< 2	< 10	25	< 10	4	21	0.23
1431024153	13	49	2.97	< 10	< 1	0.10	16	0.99	0.075	0.097	2.41	2	1	56	0.01	3	< 2	< 10	14	< 10	3	17	0.68
GC22-0872-019	6	5	1.87	< 10	< 1	0.24	15	1.13	0.100	0.058	1.36	< 2	< 1	56	0.02	2	< 2	< 10	9	< 10	2	25	0.31
GC22-0913-001	4	5	1.89	< 10	< 1	0.15	12	0.40	0.049	0.066	1.21	2	< 1	38	< 0.01	1	< 2	< 10	3	< 10	2	13	0.05
GC22-0939-002	24	34	4.93	< 10	< 1	1.24	91	2.34	0.051	0.414	0.09	< 2	10	181	0.21	< 1	< 2	< 10	102	< 10	10	5	0.92
F013618																							
F013614																							
1318013076	8	4	2.87	< 10	< 1	0.25	12	0.70	0.026	0.061	2.34	3	< 1	23	< 0.01	< 1	< 2	< 10	6	< 10	2	16	0.35
GC22-0903-005	8	75	2.14	< 10	< 1	0.18	15	1.20	0.146	0.065	0.86	4	1	78	0.01	< 1	< 2	< 10	14	< 10	2	20	0.40
1318013074	12	71	3.41	< 10	< 1	0.49	24	1.12	0.015	0.201	2.74	5	4	168	0.07	< 1	< 2	< 10	26	< 10	7	27	0.64
GC22-0905-002	7	9	2.06	< 10	< 1	0.28	13	0.70	0.183	0.053	0.62	< 2	1	140	0.09	2	< 2	< 10	14	< 10	2	10	0.67
GC22-0868-013	8	6	2.46	< 10	< 1	0.14	20	0.99	0.064	0.077	1.15	2	< 1	43	< 0.01	< 1	< 2	< 10	12	< 10	3	16	0.26
1431027170	7	3	1.84	< 10	< 1	0.17	< 10	0.86	0.045	0.055	1.50	4	< 1	39	< 0.01	2	< 2	< 10	4	< 10	1	8	1.03
GC22-5097-006	9	6	2.36	< 10	< 1	0.13	18	1.10	0.117	0.077	0.75	3	1	54	0.06	3	< 2	< 10	15	< 10	2	17	0.20
GC22-5080-012	5	4	1.68	< 10	< 1	0.18	12	0.62	0.024	0.050	1.46	2	< 1	30	< 0.01	< 1	< 2	< 10	4	< 10	2	15	0.89
1431027235	7	57	1.62	< 10	< 1	0.09	< 10	0.52	0.046	0.063	0.87	2	< 1	27	< 0.01	1	< 2	< 10	7	< 10	< 1	10	0.38
1431024101	19	13	4.28	< 10	< 1	0.13	< 10	1.46	0.052	0.077	3.50	3	2	55	< 0.01	3	< 2	< 10	21	< 10	3	15	1.56
GC22-0904-006	15	12	2.87	< 10	< 1	0.23	13	0.78	0.071	0.054	0.88	2	2	40	0.13	< 1	< 2	< 10	25	< 10	3	17	0.27
1431027030	12	71	2.50	< 10	< 1	0.08	21	0.94	0.033	0.102	1.25	3	< 1	30	< 0.01	< 1	< 2	< 10	14	< 10	3	10	0.24
GC22-5102-006	7	7	1.91	< 10	< 1	0.19	15	1.18	0.083	0.055	0.75	3	< 1	64	0.06	2	< 2	< 10	11	< 10	2	20	0.39
GC22-5084-007	7	28	1.94	< 10	< 1	0.18	< 10	0.83	0.016	0.055	1.69	2	< 1	31	< 0.01	< 1	< 2	< 10	5	< 10	2	17	0.78
GC22-0904-003	9	13	2.26	< 10	< 1	0.31	15	0.66	0.053	0.061	1.13	2	2	22	0.11	1	< 2	< 10	22	< 10	3	15	0.34
1431024502	18	14	3.58	< 10	< 1	0.12	17	1.22	0.053	0.092	2.71	< 2	2	51	< 0.01	1	< 2	< 10	24	< 10	3	14	1.07

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1431027104	9	4	2.25	< 10	< 1	0.13	11	0.87	0.044	0.094	2.08	10	< 1	39	< 0.01	2	< 2	< 10	6	< 10	2	10	0.46
STUG22-0609	20	265	3.50	< 10	3	0.14	21	1.63	0.027	0.183	2.53	17	6	34	0.06	< 1	< 2	< 10	43	< 10	5	15	0.29
1431027167	8	43	2.05	< 10	< 1	0.16	< 10	0.68	0.033	0.055	2.17	15	< 1	20	< 0.01	< 1	< 2	< 10	2	< 10	1	8	0.85
GC22-0902-009	7	53	1.93	< 10	< 1	0.20	15	1.23	0.114	0.052	1.13	2	< 1	70	0.05	2	< 2	< 10	11	< 10	2	22	0.29
1431024140	43	92	8.18	< 10	< 1	0.04	< 10	1.85	0.023	0.090	4.79	4	5	40	< 0.01	1	< 2	< 10	106	< 10	5	7	0.99
1431024121	44	66	8.27	< 10	< 1	0.06	< 10	1.49	0.033	0.078	5.99	4	5	32	< 0.01	< 1	< 2	< 10	78	< 10	6	7	1.03
1318011020	6	82	1.70	< 10	< 1	0.25	13	1.00	0.021	0.055	1.05	2	< 1	30	0.01	< 1	< 2	< 10	8	< 10	2	21	0.52
1318011038	5	41	1.55	< 10	< 1	0.25	15	0.98	0.017	0.061	0.99	2	< 1	33	0.01	< 1	< 2	< 10	6	< 10	2	21	0.58
F013630																							
F013622																							
GC22-0874-016	6	3	1.95	< 10	< 1	0.21	13	0.83	0.015	0.057	1.73	5	< 1	32	< 0.01	2	< 2	< 10	4	< 10	2	21	0.62
1318014061	8	4	2.10	< 10	< 1	0.20	15	0.90	0.031	0.062	1.79	2	< 1	38	< 0.01	2	< 2	< 10	6	< 10	2	15	0.85
1318008049	7	8	1.82	< 10	< 1	0.17	12	0.55	0.047	0.055	0.42	< 2	< 1	44	0.02	< 1	< 2	< 10	12	< 10	2	13	0.74
1318008011	37	853	3.26	< 10	< 1	0.45	< 10	3.50	0.056	0.056	0.15	6	4	132	0.09	< 1	< 2	< 10	45	< 10	2	5	0.86
1318008045	7	7	1.85	< 10	< 1	0.17	12	0.55	0.041	0.055	0.40	< 2	1	42	0.03	< 1	< 2	< 10	14	< 10	2	12	0.70
1317026126	8	4	1.89	< 10	< 1	0.21	15	0.27	0.013	0.064	2.29	5	< 1	11	< 0.01	< 1	< 2	< 10	3	< 10	2	19	0.15
1317026074	6	4	2.66	< 10	< 1	0.25	11	0.51	0.011	0.053	2.60	3	< 1	40	< 0.01	< 1	< 2	< 10	3	< 10	1	18	0.39
GC22-5161-007	4	73	3.26	< 10	< 1	0.17	< 10	0.08	0.030	0.065	3.73	< 2	< 1	23	< 0.01	7	< 2	< 10	3	< 10	2	14	0.02
GC22-0907-016	8	39	2.42	< 10	< 1	0.18	13	1.56	0.048	0.062	1.56	3	< 1	39	0.01	2	< 2	< 10	8	< 10	2	25	0.23
1317026082	6	92	2.58	< 10	< 1	0.22	< 10	0.12	0.010	0.040	2.96	4	< 1	49	< 0.01	< 1	< 2	< 10	3	< 10	1	17	0.14
1317026100	6	3	1.85	< 10	< 1	0.24	11	0.49	0.010	0.051	1.84	2	< 1	70	< 0.01	< 1	< 2	< 10	2	< 10	1	15	0.79
1317026123	5	44	2.25	< 10	< 1	0.31	< 10	0.53	0.011	0.056	2.22	3	< 1	62	< 0.01	1	< 2	< 10	5	< 10	1	16	0.38
1317028380	6	3	1.70	< 10	< 1	0.22	16	0.67	0.021	0.057	1.50	3	< 1	15	< 0.01	< 1	< 2	< 10	5	< 10	2	17	0.43

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
STUG22-1367	2.63	
1318010010	0.93	
GC22-5162-002	1.51	
GC22-0935-002	1.78	
MUG22-4728	2.55	
1431024803	0.95	
1312006038	0.42	
GC22-5163-001	0.85	
1318010096	0.93	
GC22-5166-002	2.33	
1318016672	0.74	
1318010527	1.50	
GC22-5104-001	2.13	
1431024820	3.54	
GC22-5113-001	0.80	
1312006605	1.07	
GC22-5168-009	1.29	
GC22-5167-002	4.60	
1431025795	1.31	
GC22-5087-013	0.94	
1318010301	1.05	
1431025681	1.72	
1431025648	1.87	
GC22-5081-013	1.23	
1431025715	1.33	
GC22-0877-020	1.08	
GC22-5165-001	1.15	
F013626		
F013638		
GC22-0928-018	1.31	
1431025630	1.90	
GC22-5137-003	1.29	
1431025601	1.60	
1312006610	1.81	
1312006308	1.04	
GC22-0887-017	1.12	
1318008021	2.07	
GC22-0934-020	0.87	
1318014037	1.52	
1431025415	1.22	
GC22-0869-021	3.21	
GC22-0910-010	0.80	
GC2-0896-018	0.98	
GC22-0844-013	1.46	
1431025639	0.46	
F013629		
F013625		
1431026217	1.98	
1317026135	2.32	
1317026582	2.57	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1317025704	1.46	
1317028306	1.52	
GC22-0937-015	2.36	
1317028391	2.69	
GC22-0840-021	1.05	
1317025700	2.29	
1317025435	1.35	
1317025461	1.96	
1317025503	2.16	
1317025545	1.95	
GC22-5080-017	1.05	
GC22-0918-016	2.29	
GC22-0718-014	2.97	
1317025440	1.54	
GC22-0745-017	2.54	
GC22-0795-016	1.64	
F013609		
F013637		
1318010005	0.70	
1312007817	1.25	
1431024175	2.89	
1318010075	2.39	
1431028014	1.19	
1318011243	1.65	
STUG22-1463	2.87	
1431024011	1.53	
GC22-0922-001	1.84	
GC22-0907-008	1.32	
1318010017	1.03	
GC22-0937-006	0.85	
1431024153	2.49	
GC22-0872-019	1.35	
GC22-0913-001	1.20	
GC22-0939-002	0.10	
F013618		
F013614		
1318013076	2.40	
GC22-0903-005	0.91	
1318013074	2.99	
GC22-0905-002	0.71	
GC22-0868-013	1.27	
1431027170	1.71	
GC22-5097-006	0.80	
GC22-5080-012	1.57	
1431027235	0.94	
1431024101	3.76	
GC22-0904-006	0.87	
1431027030	1.31	
GC22-5102-006	0.81	
GC22-5084-007	1.78	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0904-003	1.13	
1431024502	2.80	
1431027104	1.31	
STUG22-0609	2.69	
1431027167	2.29	
GC22-0902-009	1.19	
1431024140	5.23	
1431024121	6.61	
1318011020	1.05	
1318011038	1.01	
F013630		
F013622		
GC22-0874-016	1.79	
1318014061	1.89	
1318008049	0.46	
1318008011	0.18	
1318008045	0.45	
1317026126	2.26	
1317026074	2.53	
GC22-5161-007	3.72	15.0
GC22-0907-016	1.57	
1317026082	3.03	
1317026100	1.85	
1317026123	2.09	
1317028380	1.40	

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Meas								39.8															
BaSO4 Cert								41.94															
BaSO4 Meas								41.2															
BaSO4 Cert								41.94															
BaSO4 Meas								41.4															
BaSO4 Cert								41.94															
BaSO4 Meas								41.4															
BaSO4 Cert								41.94															
BaSO4 Meas								41.4															
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															
BaSO4 Cert								41.94															
BaSO4 Meas								42.6															
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															
BaSO4 Cert								41.94															
BaSO4 Meas								41.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.1															
BaSO4 Cert								41.94															
OREAS 98 (Aqua Regia) Meas									40.8		> 10000				230	975						83	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
OREAS 98 (Aqua Regia) Meas									43.4		> 10000				269	1160						92	
OREAS 98 (Aqua Regia) Cert									42.8		147000				343	1300						93	
RTS-3a Meas								29.2															
RTS-3a Cert								29.90															
RTS-3a Meas								29.4															
RTS-3a Cert								29.90															
RTS-3a Meas								29.4															
RTS-3a Cert								29.90															
RTS-3a Meas								29.6															
RTS-3a Cert								29.90															
RTS-3a Meas								29.1															
RTS-3a Cert								29.90															
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.08															
SiO2 Cert																							
SiO2 Meas								0.08															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas			8.46																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.49																				
NBM-1 (slight fzz) Cert			8.53																				
OREAS 922 (AQUA REGIA) Meas									1.1	< 0.5	2070	752	1	36	52	222	2.69	6		69	0.7	14	0.34
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2100	750	< 1	34	56	229	2.67	7		69	0.7	6	0.34
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2190	822	< 1	37	65	265	2.85	7		75	0.7	12	0.38
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 923 (AQUA REGIA) Meas									1.5	< 0.5	4270	831	< 1	32	76	293	2.68	8		54	0.6	21	0.32
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.5	< 0.5	4170	835	< 1	30	75	287	2.66	6		54	0.6	21	0.33
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.6	< 0.5	4290	890	< 1	33	83	337	2.77	5		57	0.6	24	0.36

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
Oreas 96 (Aqua Regia) Meas									10.9		> 10000				77	351						53	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									11.6		> 10000				90	412						42	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3020																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3110																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3060																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	508																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	512																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	520																						
Oreas E1336 (Fire Assay) Cert	510																						

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas E1336 (Fire Assay) Meas	510																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	500																						
Oreas E1336 (Fire Assay) Cert	510																						
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									39.8	158	1700	448	9	13	> 5000	> 10000	1.19	49		23	0.6	3	1.22
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									38.0	157	1600	391	8	13	> 5000	> 10000	1.11	45		29	0.6	5	1.06
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									41.8	174	1750	437	8	13	> 5000	> 10000	1.21	49		10	0.6	3	1.23
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
STUG22-1367 Orig									15.8	2.7	89	409	< 1	12	345	770	0.59	41	< 10	24	< 0.5	< 2	0.22
STUG22-1367 Dup									14.3	2.8	88	390	< 1	11	332	770	0.57	39	< 10	23	< 0.5	< 2	0.21
MUG22-4728 Orig	2510																						
MUG22-4728 Dup	2710																						
GC22-5166-002 Orig								1.01															
GC22-5166-002 Dup								1.00															
1431024820 Orig									< 0.2	< 0.5	151	381	1	32	< 2	37	1.42	4	< 10	19	< 0.5	< 2	2.06
1431024820 Dup									< 0.2	< 0.5	146	352	< 1	31	2	35	1.33	4	< 10	17	< 0.5	< 2	1.83
1312006605 Orig	488																						
1312006605 Dup	550																						
GC22-5167-002 Orig				-130	4.00	0.0298	134.34																
GC22-5167-002 Dup				-130	3.99	0.0297	134.34																
1431025795 Orig								0.47															

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1431025795 Dup								0.40															
1318010301 Orig																							
1318010301 Dup																							
1431025715 Orig	51																						
1431025715 Dup	54																						
GC22-0928-018 Orig									0.2	< 0.5	182	228	< 1	2	2	22	2.76	4	< 10	44	< 0.5	2	1.41
GC22-0928-018 Dup									0.3	< 0.5	187	232	< 1	2	< 2	22	2.78	3	< 10	48	< 0.5	3	1.44
1431025601 Orig																							
1431025601 Dup																							
1312006610 Orig								0.57															
1312006610 Dup								0.61															
1431025415 Orig	54																						
1431025415 Dup	52																						
GC2-0896-018 Orig								0.36															
GC2-0896-018 Dup								0.37															
GC22-0844-013 Orig																							
GC22-0844-013 Dup																							
1317026135 Orig	1230																						
1317026135 Dup	1100																						
1317026582 Orig		Slight		-41.1	21.0	0.338	62.07																
1317026582 Dup		Slight		-41.2	20.9	0.337	62.07																
1317028306 Orig	1130																						
1317028306 Dup	1090																						
GC22-0840-021 Orig									1.0	4.3	43	535	< 1	8	29	1020	0.63	73	< 10	28	< 0.5	< 2	1.02
GC22-0840-021 Dup									0.7	4.3	44	510	< 1	8	28	1000	0.63	77	< 10	28	< 0.5	< 2	0.97
1317025700 Orig																							
1317025700 Dup																							
1317025461 Orig								0.81															
1317025461 Dup								0.80															
1318010005 Orig								0.42															
1318010005 Dup								0.44															
1431024175 Orig									< 0.2	< 0.5	49	651	4	31	< 2	51	1.85	3	< 10	26	< 0.5	< 2	2.93
1431024175 Dup									< 0.2	< 0.5	51	641	4	35	< 2	50	1.81	2	< 10	25	< 0.5	< 2	2.85
1431024011 Orig			9.10																				
1431024011 Dup			9.09																				
GC22-0907-008 Orig	876																						
GC22-0907-008 Dup	904																						
1318010017 Orig																							
1318010017 Dup																							
GC22-0872-019 Orig								0.44															
GC22-0872-019								0.45															

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Dup																							
GC22-0939-002 Orig									< 0.2	< 0.5	23	884	< 1	28	3	90	2.53	< 2	< 10	722	< 0.5	< 2	3.19
GC22-0939-002 Dup									< 0.2	< 0.5	23	884	< 1	29	3	91	2.60	3	< 10	736	< 0.5	< 2	3.20
1431027170 Orig																							
1431027170 Dup																							
GC22-5097-006 Orig	111							0.36															
GC22-5097-006 Dup	131							0.38															
GC22-5084-007 Orig		Slight		6.92	57.2	1.14	50.23		1.5	1.3	20	1130	< 1	8	98	411	1.05	91	< 10	23	< 0.5	< 2	2.03
GC22-5084-007 Dup		Slight		7.97	58.2	1.16	50.23		1.5	1.3	19	1140	< 1	7	96	402	1.07	88	< 10	24	< 0.5	< 2	2.05
1431024502 Orig																							
1431024502 Dup																							
GC22-0902-009 Orig								0.39															
GC22-0902-009 Dup								0.42															
1431024121 Orig				-93.4	79.2	0.459	172.65																
1431024121 Dup				-91.6	81.1	0.470	172.65																
1318011038 Orig	603																						
1318011038 Dup	496																						
1318008049 Orig																							
1318008049 Dup																							
1318008045 Orig								0.40															
1318008045 Dup								0.40															
1317026126 Orig									2.5	22.6	168	316	< 1	9	24	5230	0.63	91	< 10	31	< 0.5	< 2	0.47
1317026126 Dup									2.4	22.9	168	310	< 1	8	26	5170	0.62	91	< 10	31	< 0.5	3	0.46
GC22-5161-007 Orig																							
GC22-5161-007 Dup																							
GC22-0907-016 Orig	352							0.43															
GC22-0907-016 Dup	307							0.47															
1317026123 Orig			8.82																				
1317026123 Dup			8.87																				
1317028380 Orig		Slight		-7.07	30.7	0.813	37.73																
1317028380 Dup		Slight		-7.06	30.7	0.813	37.73																
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																							
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
OREAS 98 (Aqua Regia) Meas	108											19											
OREAS 98 (Aqua Regia) Cert	111											15											
OREAS 98 (Aqua Regia) Meas	124											18											
OREAS 98 (Aqua Regia) Cert	111											15											
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.07
GS311-4 Cert																							1.11
GS311-4 Meas																							1.08
GS311-4 Cert																							1.11
GS311-4 Meas																							1.08
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
SiO2 Meas																							< 0.01
SiO2 Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							0.01
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	18	48	5.10	< 10		0.38	33	1.25	0.020	0.094	0.35	2	3	15			< 2	< 10	31	< 10	16	29	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	18	42	5.07	< 10		0.37	33	1.26	0.020	0.094	0.36	2	3	16			< 2	< 10	31	< 10	16	28	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	21	47	5.32	< 10		0.40	36	1.36	0.021	0.101	0.39	2	4	17			< 2	< 10	34	< 10	17	22	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	20	38	5.82	< 10		0.31	30	1.34		0.088	0.66	< 2	3	14			< 2	< 10	29	< 10	14	30	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	20	37	5.70	< 10		0.31	30	1.32		0.088	0.65	3	3	14			< 2	< 10	30	< 10	14	32	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	41	5.79	< 10		0.32	32	1.39		0.092	0.67	3	3	14			< 2	< 10	32	< 10	15	26	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas	44										3.80	7											

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	51										3.97	7											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS317-5 Meas																							8.27
GS317-5 Cert																							8.46
GS317-5 Meas																							8.53
GS317-5 Cert																							8.46
GS317-5 Meas																							8.15
GS317-5 Cert																							8.46
GS317-5 Meas																							8.41
GS317-5 Cert																							8.46
GS317-5 Meas																							8.44
GS317-5 Cert																							8.46
GS317-5 Meas																							8.32
GS317-5 Cert																							8.46
GS317-5 Meas																							8.46
GS317-5 Cert																							8.46
Oreas 620 (Aqua Regia) Meas	13	17	2.59	< 10	2	0.28	25	0.26	0.117	0.048	2.53	66		19			< 2	< 10	8	47	7	66	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	11	16	2.34	< 10	2	0.26	23	0.24	0.108	0.043	2.35	69		18			< 2	< 10	7	22	6	63	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	13	16	2.53	< 10	2	0.28	25	0.27	0.116	0.046	2.54	67		19			< 2	< 10	8	< 10	7	54	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
STUG22-1367 Orig	10	58	2.31	< 10	1	0.17	14	0.23	0.025	0.074	2.63	13	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	2	8	
STUG22-1367 Dup	9	54	2.24	< 10	< 1	0.17	14	0.22	0.024	0.072	2.57	13	< 1	16	< 0.01	< 1	< 2	< 10	5	< 10	2	8	
MUG22-4728 Orig																							
MUG22-4728 Dup																							
GC22-5166-002 Orig																							0.07
GC22-5166-002 Dup																							0.07
1431024820 Orig	21	73	4.67	< 10	< 1	0.05	< 10	0.95	0.048	0.076	3.76	2	3	36	< 0.01	< 1	< 2	< 10	46	< 10	5	9	
1431024820 Dup	19	67	4.43	< 10	< 1	0.05	< 10	0.90	0.045	0.069	3.53	3	3	34	< 0.01	2	< 2	< 10	42	< 10	4	9	
1312006605 Orig																							
1312006605 Dup																							
GC22-5167-002 Orig																							
GC22-5167-002 Dup																							
1431025795 Orig																							
1431025795 Dup																							
1318010301 Orig																							0.21
1318010301 Dup																							0.21
1431025715 Orig																							
1431025715 Dup																							
GC22-0928-018 Orig	4	5	2.74	< 10	< 1	0.14	< 10	0.73	0.197	0.049	1.30	< 2	< 1	125	< 0.01	< 1	< 2	< 10	7	< 10	2	15	
GC22-0928-018 Dup	4	5	2.74	< 10	< 1	0.15	< 10	0.73	0.201	0.049	1.32	< 2	< 1	127	< 0.01	< 1	< 2	< 10	7	< 10	2	15	
1431025601 Orig																							0.81

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1431025601 Dup																							0.82
1312006610 Orig																							
1312006610 Dup																							
1431025415 Orig																							
1431025415 Dup																							
GC2-0896-018 Orig																							
GC2-0896-018 Dup																							
GC22-0844-013 Orig																							0.39
GC22-0844-013 Dup																							0.39
1317026135 Orig																							
1317026135 Dup																							
1317026582 Orig																							
1317026582 Dup																							
1317028306 Orig																							
1317028306 Dup																							
GC22-0840-021 Orig	4	75	1.09	< 10	< 1	0.21	16	0.30	0.015	0.070	1.07	9	< 1	19	< 0.01	3	< 2	< 10	3	< 10	2	17	
GC22-0840-021 Dup	4	73	1.07	< 10	< 1	0.21	16	0.29	0.015	0.067	1.04	8	< 1	19	< 0.01	< 1	< 2	< 10	3	< 10	2	15	
1317025700 Orig																							0.54
1317025700 Dup																							0.53
1317025461 Orig																							
1317025461 Dup																							
1318010005 Orig																							0.41
1318010005 Dup																							0.43
1431024175 Orig	20	71	4.24	< 10	< 1	0.08	16	1.37	0.078	0.087	2.93	3	3	70	< 0.01	5	< 2	< 10	27	< 10	5	17	
1431024175 Dup	19	70	4.21	< 10	< 1	0.08	16	1.35	0.078	0.085	2.91	3	3	69	< 0.01	< 1	< 2	< 10	27	< 10	5	18	
1431024011 Orig																							
1431024011 Dup																							
GC22-0907-008 Orig																							
GC22-0907-008 Dup																							
1318010017 Orig																							0.23
1318010017 Dup																							0.23
GC22-0872-019 Orig																							
GC22-0872-019 Dup																							
GC22-0939-002 Orig	24	34	4.93	< 10	< 1	1.24	91	2.34	0.051	0.414	0.09	< 2	10	181	0.21	< 1	< 2	< 10	102	< 10	10	5	
GC22-0939-002 Dup	24	34	4.93	< 10	< 1	1.25	90	2.34	0.050	0.405	0.09	2	10	181	0.21	< 1	< 2	< 10	101	< 10	10	5	
1431027170 Orig																							1.03
1431027170 Dup																							1.03
GC22-5097-006 Orig																							
GC22-5097-006 Dup																							
GC22-5084-007 Orig	7	28	1.94	< 10	< 1	0.18	< 10	0.83	0.016	0.055	1.69	2	< 1	31	< 0.01	< 1	< 2	< 10	5	< 10	2	17	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-5084-007 Dup	7	30	1.92	< 10	< 1	0.19	< 10	0.84	0.016	0.055	1.66	< 2	< 1	32	< 0.01	1	< 2	< 10	5	< 10	2	17	
1431024502 Orig																							1.07
1431024502 Dup																							1.07
GC22-0902-009 Orig																							
GC22-0902-009 Dup																							
1431024121 Orig																							
1431024121 Dup																							
1318011038 Orig																							
1318011038 Dup																							
1318008049 Orig																							0.74
1318008049 Dup																							0.74
1318008045 Orig																							
1318008045 Dup																							
1317026126 Orig	8	4	1.89	< 10	< 1	0.21	15	0.27	0.013	0.064	2.29	5	< 1	11	< 0.01	< 1	< 2	< 10	3	< 10	2	19	
1317026126 Dup	8	3	1.92	< 10	< 1	0.21	16	0.27	0.013	0.065	2.27	5	< 1	11	< 0.01	< 1	< 2	< 10	3	< 10	2	19	
GC22-5161-007 Orig																							
GC22-5161-007 Dup																							
GC22-0907-016 Orig																							
GC22-0907-016 Dup																							
1317026123 Orig																							
1317026123 Dup																							
1317028380 Orig																							0.43
1317028380 Dup																							0.45
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
BaSO4 Meas	13.6	
BaSO4 Cert	14.0	
BaSO4 Meas	14.4	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
OREAS 98 (Aqua Regia) Meas		
OREAS 98 (Aqua Regia) Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.59	
GS311-4 Cert	0.54	
GS311-4 Meas	0.58	
GS311-4 Cert	0.54	
SiO2 Meas	< 0.01	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
Oreas 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.95
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas	0.37	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
OREAS 257b (Fire Assay) Meas		14.5
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
GS317-5 Meas	15.1	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.4	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
STUG22-1367 Orig		
STUG22-1367 Dup		
MUG22-4728 Orig		
MUG22-4728 Dup		
GC22-5166-002 Orig	2.33	
GC22-5166-002 Dup	2.26	
1431024820 Orig		
1431024820 Dup		
1312006605 Orig		
1312006605 Dup		
GC22-5167-002 Orig		
GC22-5167-002 Dup		
1431025795 Orig		
1431025795 Dup		
1318010301 Orig	1.05	
1318010301 Dup	1.02	
1431025715 Orig		
1431025715 Dup		
GC22-0928-018		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Orig		
GC22-0928-018 Dup		
1431025601 Orig	1.60	
1431025601 Dup	1.57	
1312006610 Orig		
1312006610 Dup		
1431025415 Orig		
1431025415 Dup		
GC2-0896-018 Orig		
GC2-0896-018 Dup		
GC22-0844-013 Orig	1.46	
GC22-0844-013 Dup	1.50	
1317026135 Orig		
1317026135 Dup		
1317026582 Orig		
1317026582 Dup		
1317028306 Orig		
1317028306 Dup		
GC22-0840-021 Orig		
GC22-0840-021 Dup		
1317025700 Orig	2.29	
1317025700 Dup	2.32	
1317025461 Orig		
1317025461 Dup		
1318010005 Orig	0.70	
1318010005 Dup	0.71	
1431024175 Orig		
1431024175 Dup		
1431024011 Orig		
1431024011 Dup		
GC22-0907-008 Orig		
GC22-0907-008 Dup		
1318010017 Orig	1.03	
1318010017 Dup	1.05	
GC22-0872-019 Orig		
GC22-0872-019 Dup		
GC22-0939-002 Orig		
GC22-0939-002 Dup		
1431027170 Orig	1.71	
1431027170 Dup	1.71	
GC22-5097-006		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Orig		
GC22-5097-006 Dup		
GC22-5084-007 Orig		
GC22-5084-007 Dup		
1431024502 Orig	2.80	
1431024502 Dup	2.78	
GC22-0902-009 Orig		
GC22-0902-009 Dup		
1431024121 Orig		
1431024121 Dup		
1318011038 Orig		
1318011038 Dup		
1318008049 Orig	0.46	
1318008049 Dup	0.45	
1318008045 Orig		
1318008045 Dup		
1317026126 Orig		
1317026126 Dup		
GC22-5161-007 Orig		15.0
GC22-5161-007 Dup		14.3
GC22-0907-016 Orig		
GC22-0907-016 Dup		
1317026123 Orig		
1317026123 Dup		
1317028380 Orig	1.40	
1317028380 Dup	1.39	
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Quality Analysis ... *Innovative Technologies*

Report No.: **A23-01858**
Report Date: **19-Apr-23**
Date Submitted: **09-Feb-23**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

125 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-03-16 21:37:00
4F-C, S	Infrared	2023-03-22 21:47:41

REPORT **A23-01858**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: no material for GC22-5816-020.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: **A23-01858**
Report Date: **19-Apr-23**
Date Submitted: **09-Feb-23**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

125 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2023-02-14 17:33:29
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2023-03-01 22:06:24

REPORT **A23-01858**

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Notes:

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If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: no material for GC22-5816-020.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1431026011	371	None	8.72	-57.4	6.98	0.108	64.34	0.52	0.6	< 0.5	314	423	4	12	3	66	1.15	5	< 10	23	< 0.5	3	0.38
1431026010	399	Slight	9.44	24.5	61.6	1.66	37.18	0.47	0.2	< 0.5	132	328	2	9	< 2	52	1.20	6	< 10	22	< 0.5	< 2	1.70
1431026048	104	Slight	9.30	-35.4	24.2	0.406	59.59	0.64	0.9	1.6	214	555	< 1	9	8	419	1.50	12	< 10	42	< 0.5	3	1.06
1432030073	19	Slight	9.38	88.0	98.5	9.39	10.49	0.46	< 0.2	< 0.5	63	1060	< 1	61	< 2	145	1.88	39	< 10	21	< 0.5	2	3.17
GC22-2108-004	1160	None	8.63	-99.2	6.98	0.0657	106.19	1.26	7.2	16.2	284	939	< 1	22	464	3630	1.88	208	< 10	20	< 0.5	5	0.25
GC22-0749-016	83	Slight	8.56	1.43	54.2	1.03	52.78	0.60	0.5	5.7	40	751	< 1	14	22	1420	0.83	54	< 10	28	< 0.5	< 2	1.84
GC22-5161-015	23	None	9.58	11.5	15.7	3.74	4.20	0.23	< 0.2	< 0.5	50	188	6	16	< 2	40	2.91	3	< 10	29	< 0.5	< 2	1.51
GC22-2110-013	> 5000	None	8.68	-96.9	9.46	0.0889	106.40	0.80	21.3	1.8	915	974	< 1	16	54	499	2.46	179	< 10	18	< 0.5	7	0.30
GC22-5164-014	186	None	8.71	-35.0	14.6	0.294	49.57	0.42	< 0.2	< 0.5	142	156	< 1	8	< 2	18	2.20	5	< 10	29	< 0.5	2	1.27
F013639	> 5000																						
F013623	> 5000																						
GC22-0394-021	128	Slight	8.28	-67.1	79.1	0.541	146.19	3.25	0.9	< 0.5	155	1850	2	43	2	198	2.21	34	< 10	20	< 0.5	2	2.97
1318015017	37	Slight	9.36	16.0	54.5	1.42	38.43	0.49	< 0.2	< 0.5	22	950	< 1	23	4	95	1.96	6	< 10	59	< 0.5	< 2	2.40
GC22-0647-016	246	Slight	8.15	13.9	87.7	1.19	73.81	3.68	1.0	< 0.5	165	2030	< 1	33	4	189	1.74	19	< 10	17	< 0.5	< 2	3.57
GC22-0394-017	268	Slight	8.09	-159	66.8	0.296	225.93	2.95	1.2	1.0	268	2350	< 1	58	< 2	371	3.05	27	< 10	13	< 0.5	3	1.96
GC22-0644-018	287	Slight	8.22	-163	88.6	0.352	251.79	4.18	0.8	< 0.5	143	1760	2	36	3	257	2.19	16	< 10	14	< 0.5	2	2.65
STUG22-2070	3800	None	9.56	-48.5	8.19	0.145	56.65	0.56	22.9	3.8	144	223	< 1	17	359	1080	0.81	70	< 10	31	< 0.5	< 2	0.50
STUG22-2071	2940	None	9.37	-32.0	6.24	0.163	38.26	0.49	53.4	6.2	193	150	< 1	7	1090	1670	0.70	69	< 10	35	< 0.5	< 2	0.27
1318015007	124	Slight	8.95	-27.7	46.4	0.626	74.08	1.42	0.9	2.5	125	1190	< 1	51	4	775	2.97	16	< 10	36	< 0.5	< 2	1.98
1317035072	387	Slight	8.61	-48.1	45.7	0.487	93.84	0.75	1.5	2.1	89	757	< 1	7	13	531	0.43	224	< 10	22	< 0.5	< 2	1.69
GC22-0766-010	87	Slight	8.56	11.2	75.7	1.17	64.44	1.17	0.7	< 0.5	56	1670	< 1	24	5	264	3.11	25	< 10	30	< 0.5	2	3.98
GC22-0759-006	119	Slight	8.37	1.89	95.0	1.02	93.08	1.63	0.8	< 0.5	27	1650	< 1	13	5	178	3.34	15	< 10	33	< 0.5	< 2	3.86
GC22-0764-007	430	Slight	8.23	-17.8	80.2	0.818	98.03	1.92	2.3	< 0.5	113	1990	2	4	10	236	3.49	34	< 10	26	< 0.5	< 2	3.29
GC22-0764-021	300	Slight	8.58	9.45	94.4	1.11	84.91	1.25	1.1	< 0.5	105	915	< 1	51	2	189	3.52	11	< 10	26	< 0.5	< 2	3.37
GC22-0764-020	38	Slight	8.92	88.2	112	4.75	23.56	0.72	0.3	< 0.5	156	1120	< 1	47	< 2	184	3.27	7	< 10	24	< 0.5	3	3.45
1318015110	100	Slight	8.70	-1.79	71.7	0.976	73.46	0.96	0.4	< 0.5	27	1170	1	35	4	116	2.75	16	< 10	36	< 0.5	< 2	2.91
1318015082	285	Slight	9.13	25.5	70.6	1.57	45.14	0.48	< 0.2	< 0.5	25	866	2	26	51	90	1.60	13	< 10	55	< 0.5	< 2	2.08
1318015034	112	Slight	8.76	-10.2	68.8	0.871	78.97	1.96	0.9	< 0.5	233	1720	< 1	65	4	187	3.35	16	< 10	26	< 0.5	4	2.60
gc22-0759-020	443	Slight	8.47	26.0	102	1.34	75.60	1.32	2.0	< 0.5	247	1190	< 1	57	5	211	3.58	40	< 10	12	< 0.5	< 2	3.61
gc22-0767-015	31	Slight	9.25	181	181	1160	0.16	0.57	< 0.2	< 0.5	118	1200	< 1	110	5	88	2.90	61	< 10	360	0.7	< 2	6.05
gc22-0633-019	175	None	8.80	0.841	52.3	1.02	51.45	0.53	0.9	1.4	45	1630	< 1	8	317	394	0.65	92	< 10	26	< 0.5	< 2	2.06
F013534	340																						
GC22-0765-004	985	Slight	8.54	37.8	110	1.53	71.71	1.95	4.1	< 0.5	551	2110	< 1	37	6	248	3.39	93	< 10	13	< 0.5	< 2	4.13
1318015059	10	Slight	9.35	46.5	61.7	4.08	15.11	0.32	< 0.2	< 0.5	11	695	< 1	27	4	107	1.51	4	< 10	95	< 0.5	< 2	2.38
GC22-0756-003	74	Slight	8.41	-84.4	72.4	0.462	156.82	5.03	0.3	< 0.5	71	2250	< 1	61	2	211	3.11	11	< 10	14	< 0.5	3	3.28
1311002043	451	Slight	9.39	-14.7	17.5	0.543	32.18	0.28	0.8	< 0.5	357	536	1	12	3	71	2.17	16	< 10	32	< 0.5	3	1.30
1317027228	> 5000	Slight	9.34	26.7	66.6	1.67	39.92	0.44	1.2	3.6	41	1920	1	8	103	940	0.62	69	< 10	21	< 0.5	< 2	2.10
1318015037	201	Slight	8.79	-21.2	44.8	0.679	65.97	1.60	0.9	< 0.5	264	1530	< 1	60	3	217	3.37	15	< 10	28	< 0.5	< 2	2.26
1317027247	298	Slight	9.21	-28.5	15.5	0.352	43.96	0.37	0.4	2.2	40	689	1	10	29	714	1.08	28	< 10	41	< 0.5	< 2	0.79
1318015067	11	Slight	9.74	56.5	57.1	96.8	0.59	0.16	< 0.2	< 0.5	6	574	< 1	30	3	80	1.38	2	< 10	109	< 0.5	< 2	2.13
GC22-0766-012	244	Slight	8.66	63.5	97.4	2.88	33.86	1.03	1.2	< 0.5	69	2010	< 1	2	< 2	168	3.40	11	< 10	26	< 0.5	2	3.65
1317027120	83	Slight	9.12	-14.1	32.2	0.695	46.34	0.38	0.7	0.8	17	792	< 1	8	142	273	0.95	52	< 10	33	< 0.5	< 2	1.36
GC22-0766-008	157	Slight	8.44	39.6	95.9	1.70	56.30	1.12	0.7	< 0.5	63	1520	< 1	5	2	188	3.78	18	< 10	23	< 0.5	2	3.51
1318021080	95	Slight	9.29	-18.9	21.1	0.528	40.05	0.32	0.7	< 0.5	20	505	< 1	12	24	94	3.04	21	< 10	35	< 0.5	< 2	1.93
1431034090	97	None	9.06	-3.17	45.1	0.934	48.29	0.52	0.5	0.8	45	787	< 1	18	6	295	1.52	10	< 10	32	< 0.5	2	1.67
1318021104	86	Slight	9.15	-10.9	31.1	0.741	41.96	0.37	0.5	< 0.5	15	497	< 1	13	15	101	2.61	34	< 10	36	< 0.5	< 2	1.75
1311002459	417	None	8.95	-48.8	11.7	0.194	60.57	0.44	0.4	< 0.5	118	361	< 1	8	2	64	2.45	16	< 10	36	< 0.5	5	0.96
1311002453	11	None	9.15	12.7	14.9	6.67	2.23	0.19	< 0.2	< 0.5	128	442	< 1	46	< 2	47	4.91	< 2	< 10	< 10	< 0.5	< 2	2.82
1311002462	663	None	8.98	-62.1	11.4	0.155	73.43	0.59	0.7	< 0.5	183	343	1	8	4	58	2.12	16	< 10	28	< 0.5	13	0.77

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1431034146	39	Slight	9.32	88.5	114	4.52	25.14	0.50	0.5	1.6	69	1380	3	30	< 2	596	1.53	22	< 10	27	< 0.5	< 2	2.64
1431034089	57	None	9.02	8.02	55.9	1.17	47.88	0.55	0.4	0.5	45	717	< 1	18	3	245	1.45	9	< 10	32	< 0.5	2	1.82
1317036134	465	None	9.17	-22.1	11.8	0.348	33.90	0.42	0.5	0.8	22	408	< 1	8	41	340	0.94	37	< 10	40	< 0.5	< 2	0.66
1431030003	36	Slight	9.51	26.3	50.7	2.07	24.46	0.45	< 0.2	< 0.5	107	285	3	9	< 2	32	1.07	< 2	< 10	40	< 0.5	< 2	1.92
F013551	1030																						
GC22-0550-013	67	Slight	9.08	141	141	900	0.16	0.70	< 0.2	< 0.5	54	1170	< 1	198	< 2	125	3.70	8	< 10	118	0.6	< 2	4.56
GC22-0548-007	118	Slight	8.71	29.7	64.5	1.85	34.81	0.50	0.9	< 0.5	16	712	1	12	< 2	89	1.69	11	< 10	39	< 0.5	< 2	2.44
1431030109	39	Slight	9.46	22.0	54.5	1.68	32.47	0.47	< 0.2	< 0.5	118	212	2	9	< 2	33	0.77	3	< 10	24	< 0.5	< 2	1.86
1431030145	39	Slight	9.38	20.0	55.7	1.56	35.78	0.58	< 0.2	< 0.5	89	374	2	14	< 2	36	1.23	3	< 10	40	< 0.5	< 2	2.01
1431030120	387	Slight	8.79	9.03	73.5	1.14	64.51	0.63	0.4	< 0.5	108	539	3	14	3	155	0.94	6	< 10	32	< 0.5	< 2	2.28
1317025471	> 5000	Slight	9.06	-15.3	23.1	0.603	38.39	0.77	2.2	12.1	71	791	< 1	5	45	2960	1.61	63	< 10	19	< 0.5	< 2	0.90
GC22-0592-015	176	None	9.04	-13.0	31.6	0.708	44.62	0.41	0.7	< 0.5	26	874	< 1	10	11	118	1.38	24	< 10	30	< 0.5	< 2	1.06
GC22-0917-020	178	None	9.09	-21.7	25.7	0.542	47.41	0.47	1.6	1.0	37	841	< 1	7	89	426	1.15	46	< 10	22	< 0.5	< 2	0.83
GC22-5162-019	45	Slight	9.05	101	105	25.7	4.08	0.50	< 0.2	< 0.5	34	716	< 1	317	< 2	92	3.67	< 2	< 10	17	< 0.5	3	4.64
GC22-5168-017	1700	None	8.82	-26.7	9.73	0.267	36.46	0.38	< 0.2	< 0.5	197	283	< 1	10	3	25	3.02	7	< 10	35	< 0.5	3	1.71
1432030188	52	Slight	9.17	47.7	57.4	5.93	9.68	0.47	0.2	< 0.5	53	914	< 1	32	4	126	1.73	44	< 10	36	< 0.5	< 2	1.94
GC22-0916-017	256	Slight	9.31	15.4	73.7	1.26	58.27	0.58	3.2	1.5	98	581	< 1	10	39	425	0.97	47	< 10	28	< 0.5	3	2.73
GC22-0935-018	3550	Slight	8.83	-26.1	26.8	0.507	52.88	0.70	1.8	1.9	825	307	12	4	10	205	0.96	6	< 10	48	< 0.5	3	1.19
GC22-5084-017	165	Slight	9.50	-11.3	27.9	0.712	39.15	0.47	0.4	2.1	29	906	1	5	54	644	1.96	26	< 10	29	< 0.5	< 2	1.57
GC22-0919-021	218	Slight	9.48	56.1	84.9	2.95	28.78	0.57	1.7	0.7	70	736	< 1	9	87	211	0.62	49	< 10	34	< 0.5	< 2	2.94
GC22-0906-020	210	Slight	9.32	25.0	69.7	1.56	44.65	0.50	0.7	< 0.5	25	404	< 1	9	12	75	1.34	42	< 10	28	< 0.5	< 2	2.56
GC22-5103-002	240	None	8.98	24.7	67.0	1.59	42.25	0.85	2.1	1.2	36	1070	< 1	20	14	407	1.04	102	< 10	37	< 0.5	< 2	1.98
GC22-0930-019	126	None	9.30	-36.1	12.3	0.254	48.44	0.56	< 0.2	< 0.5	78	365	< 1	5	3	56	2.84	8	< 10	33	< 0.5	3	1.09
GC22-0906-001	150	None	9.08	15.6	46.9	1.50	31.28	0.47	0.6	< 0.5	35	947	1	51	6	145	2.50	24	< 10	26	< 0.5	< 2	1.78
1432030136	47	None	9.03	50.5	64.9	4.49	14.45	0.47	< 0.2	< 0.5	42	1170	< 1	42	2	164	1.65	18	< 10	21	< 0.5	< 2	2.29
F013538	334																						
1431027015	64	None	9.02	-25.9	45.0	0.635	70.83	0.47	1.5	< 0.5	41	857	2	10	10	222	1.15	50	< 10	27	< 0.5	< 2	1.34
GC22-0897-019	398	Slight	9.16	6.41	36.9	1.21	30.54	1.18	1.5	23.5	144	913	< 1	4	19	5770	1.21	44	< 10	20	< 0.5	< 2	1.41
1431024017	96	Slight	8.90	37.2	85.4	1.77	48.30	0.80	< 0.2	< 0.5	83	617	8	24	< 2	36	0.98	3	< 10	26	< 0.5	< 2	2.65
1431027029	137	Slight	9.10	15.8	41.8	1.61	26.02	0.31	< 0.2	< 0.5	72	272	< 1	12	2	78	1.31	3	< 10	27	< 0.5	< 2	1.85
1431027050	123	None	8.73	-10.4	16.2	0.609	26.60	0.41	0.2	< 0.5	64	1050	< 1	18	5	81	1.31	6	< 10	22	< 0.5	< 2	0.71
1431024042	28	Slight	9.06	16.8	67.4	1.33	50.55	0.74	< 0.2	< 0.5	74	421	2	12	< 2	32	1.40	3	< 10	39	< 0.5	< 2	2.34
1431027026	84	None	8.34	-24.8	12.2	0.330	37.07	0.42	0.2	< 0.5	95	794	1	45	4	87	2.54	6	< 10	17	< 0.5	< 2	0.49
GC22-0914-012	180	Slight	9.20	14.7	56.1	1.36	41.34	0.39	1.2	1.0	31	792	< 1	8	25	396	1.16	47	< 10	18	< 0.5	< 2	2.08
GC22-0938-001	104	None	8.61	-38.4	8.66	0.184	47.05	0.42	< 0.2	< 0.5	15	343	< 1	13	4	59	2.33	23	< 10	36	< 0.5	< 2	0.84
GC22-0892-002	112	Slight	9.11	6.00	21.4	1.39	15.40	0.21	0.3	< 0.5	16	634	< 1	8	30	87	2.60	27	< 10	26	< 0.5	< 2	1.63
GC22-0899-001	75	Slight	9.04	35.4	102	1.54	66.16	1.11	< 0.2	< 0.5	3	1210	< 1	37	3	98	2.47	11	< 10	33	< 0.5	< 2	3.59
GC22-0843-015	188	None	9.07	22.4	51.7	1.76	29.32	0.27	0.3	< 0.5	30	703	< 1	7	57	179	1.70	41	< 10	19	< 0.5	< 2	1.22
1431024008	45	Slight	9.09	29.0	72.1	1.67	43.12	0.42	< 0.2	< 0.5	26	360	< 1	15	< 2	27	0.88	< 2	< 10	29	< 0.5	< 2	2.67
STUG22-1395	560	None	8.82	-61.4	4.97	0.0749	66.33	0.44	7.1	0.9	51	713	< 1	12	138	296	0.65	37	< 10	24	< 0.5	< 2	0.21
GC22-0912-002	233	None	8.87	-45.1	7.60	0.144	52.73	0.43	0.4	< 0.5	27	436	< 1	7	5	57	2.08	17	< 10	34	< 0.5	3	0.35
GC22-0923-001	115	None	8.71	-107	10.5	0.0893	117.32	1.04	0.6	< 0.5	17	337	< 1	10	6	108	2.14	16	< 10	20	< 0.5	5	0.84
1318011040	157	Slight	8.89	6.79	39.4	1.21	32.59	0.32	0.6	< 0.5	25	1140	< 1	6	58	145	1.45	36	< 10	21	< 0.5	< 2	1.78
GC22-0928-009	101	Slight	8.92	-4.62	16.8	0.784	21.43	0.20	< 0.2	< 0.5	6	463	1	13	< 2	47	3.00	4	< 10	30	< 0.5	< 2	1.00
GC22-0926-002	381	None	8.58	-43.2	9.48	0.180	52.63	0.82	0.2	< 0.5	88	262	1	4	< 2	29	2.28	6	< 10	29	< 0.5	5	0.86
1318011007	272	Slight	8.83	8.95	33.1	1.37	24.15	0.51	0.7	< 0.5	29	717	< 1	18	41	197	2.17	42	< 10	38	< 0.5	< 2	1.75
GC22-0898-011	125	None	8.86	-14.3	22.7	0.613	37.08	0.42	0.4	< 0.5	22	637	< 1	9	43	89	1.86	42	< 10	22	< 0.5	< 2	1.52
GC22-0927-002	114	Slight	8.43	71.4	75.9	16.8	4.51	0.56	< 0.2	< 0.5	23	721	< 1	50	4	61	2.36	3	< 10	202	< 0.5	< 2	3.11
GC22-0894-015	1320	None	9.06	-13.8	19.5	0.585	33.27	0.54	1.1	4.4	26	769	< 1	7	49	1250	1.95	48	< 10	21	< 0.5	< 2	1.14

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0920-001	113	None	8.81	-66.1	6.98	0.0955	73.08	0.53	0.3	< 0.5	20	353	< 1	7	5	60	1.87	24	< 10	25	< 0.5	3	0.96
GC22-0908-005	359	Slight	8.99	-13.3	40.1	0.751	53.38	0.52	1.1	< 0.5	20	774	< 1	11	29	116	0.90	80	< 10	27	< 0.5	< 2	1.64
F013554	349																						
GC22-0911-014	98	None	8.78	-0.116	18.4	0.994	18.56	0.38	0.2	< 0.5	155	325	2	17	< 2	44	3.65	9	< 10	18	< 0.5	< 2	1.84
GC22-5137-016	342	None	7.97	-40.7	1.74	0.0410	42.40	0.41	0.5	< 0.5	295	101	9	10	< 2	19	1.31	12	< 10	20	< 0.5	2	0.22
1431030411	76	Slight	8.85	27.5	69.8	1.65	42.31	0.57	< 0.2	< 0.5	224	285	2	11	< 2	32	0.80	3	< 10	26	< 0.5	< 2	2.06
GC22-0537-017	63	Slight	7.78	-102	122	0.544	224.27	7.25	0.2	< 0.5	14	1470	< 1	49	4	93	1.66	18	< 10	10	< 0.5	3	3.60
GC22-5146-021	80	Slight	8.93	46.8	80.6	2.39	33.79	0.41	0.4	< 0.5	30	1150	< 1	7	12	166	0.99	49	< 10	23	< 0.5	< 2	2.19
1431030058	64	None	8.65	-18.0	21.9	0.549	39.97	0.45	0.3	< 0.5	99	551	3	23	3	64	1.04	7	< 10	23	< 0.5	< 2	0.97
GC22-0798-021	758	Slight	8.53	7.26	57.8	1.14	50.53	1.03	0.5	18.8	56	916	< 1	9	46	4390	0.63	118	< 10	27	< 0.5	< 2	2.32
GC22-0807-019	507	None	8.29	-30.3	30.0	0.498	60.27	0.67	1.1	< 0.5	36	1230	1	34	15	161	1.51	55	< 10	33	< 0.5	< 2	1.00
1431030116	86	Slight	8.98	0.940	37.4	1.03	36.48	0.41	0.4	< 0.5	102	356	3	22	8	104	0.95	11	< 10	23	< 0.5	< 2	1.40
GC22-0646-016	167	None	8.34	-29.5	31.4	0.516	60.88	1.07	0.3	1.9	133	1780	1	35	< 2	374	2.27	8	< 10	29	< 0.5	< 2	2.05
1431030038	65	Slight	9.19	18.8	55.5	1.51	36.69	0.53	< 0.2	< 0.5	170	279	2	14	< 2	58	0.98	8	< 10	27	< 0.5	< 2	1.96
GC22-0594-017	208	Slight	8.81	44.0	91.1	1.93	47.12	0.59	2.0	0.7	27	1040	< 1	9	50	240	0.70	49	< 10	23	< 0.5	< 2	2.17
GC22-0574-019	149	None	9.34	-1.13	14.1	0.926	15.21	0.25	0.2	< 0.5	189	205	2	6	3	29	3.18	6	< 10	34	< 0.5	< 2	1.56
1432030003	110	Slight	8.66	-12.4	27.1	0.685	39.50	0.48	0.7	0.7	69	621	< 1	30	30	197	1.23	23	< 10	33	< 0.5	< 2	1.24
1432030049	15	None	9.20	13.4	26.0	2.07	12.56	0.51	< 0.2	< 0.5	47	805	< 1	46	3	125	1.75	29	< 10	19	< 0.5	< 2	2.74
GC22-0616-017	137	Slight	8.76	12.2	52.0	1.31	39.86	0.41	2.7	< 0.5	13	369	< 1	4	29	39	0.63	29	< 10	29	< 0.5	< 2	2.14
GC22-0805-019	164	Slight	9.47	-4.65	51.3	0.917	55.95	0.61	1.7	1.5	27	409	< 1	11	18	383	1.25	26	< 10	24	< 0.5	< 2	2.03
F013541	> 5000																						
GC22-0775-002	357	Slight	8.22	-81.3	107	0.569	188.62	5.45	1.2	< 0.5	48	1260	< 1	4	3	150	2.64	23	< 10	14	< 0.5	2	2.58
GC22-0773-018	23	Slight	9.08	123	124	356	0.35	0.49	< 0.2	< 0.5	44	1450	< 1	174	< 2	134	4.78	4	< 10	< 10	< 0.5	< 2	3.55
GC22-0782-017	207	Slight	8.74	24.7	65.0	1.61	40.29	0.97	0.7	< 0.5	158	1190	< 1	56	< 2	136	3.85	9	< 10	< 10	< 0.5	< 2	3.93
GC22-0721-021	60	Slight	8.78	9.85	109	1.10	99.57	3.30	0.5	< 0.5	72	1270	< 1	33	5	159	2.93	9	< 10	24	< 0.5	2	3.39
GC22-0782-001	206	Slight	9.02	26.4	105	1.34	78.43	1.34	1.3	0.6	173	1710	< 1	30	3	329	2.72	29	< 10	28	< 0.5	< 2	3.53

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1431026011	10	110	2.78	< 10	< 1	0.06	14	0.82	0.063	0.045	2.39	< 2	1	30	< 0.01	2	< 2	< 10	11	< 10	2	12	0.16
1431026010	9	7	2.21	< 10	< 1	0.07	13	0.62	0.085	0.053	1.45	< 2	1	44	< 0.01	< 1	< 2	< 10	11	< 10	2	13	0.51
1431026048	10	7	2.51	< 10	< 1	0.14	19	1.21	0.069	0.051	2.31	2	< 1	33	< 0.01	1	< 2	< 10	10	< 10	2	22	0.30
1432030073	26	22	4.52	< 10	< 1	0.12	< 10	1.70	0.036	0.041	0.50	3	4	35	< 0.01	< 1	< 2	< 10	24	< 10	2	4	1.96
GC22-2108-004	10	99	4.57	< 10	< 1	0.20	< 10	1.64	0.019	0.050	4.01	5	< 1	6	< 0.01	< 1	< 2	< 10	10	< 10	2	18	0.07
GC22-0749-016	13	4	2.02	< 10	< 1	0.17	17	0.31	0.023	0.051	1.91	< 2	< 1	32	< 0.01	< 1	< 2	< 10	4	< 10	2	15	0.55
GC22-5161-015	5	129	0.89	< 10	< 1	0.11	< 10	0.92	0.192	0.046	0.23	2	2	200	< 0.01	2	< 2	< 10	20	< 10	3	11	0.13
GC22-2110-013	10	10	5.13	< 10	< 1	0.15	< 10	2.29	0.015	0.045	3.75	4	< 1	5	< 0.01	1	< 2	< 10	13	< 10	1	15	0.08
GC22-5164-014	5	145	2.31	< 10	< 1	0.15	< 10	0.61	0.217	0.036	1.83	2	< 1	174	< 0.01	< 1	< 2	< 10	5	< 10	2	14	0.13
F013639																							
F013623																							
GC22-0394-021	33	26	8.96	< 10	< 1	0.13	< 10	2.35	0.025	0.067	5.70	2	6	33	< 0.01	< 1	< 2	< 10	63	< 10	5	9	1.87
1318015017	14	49	3.18	< 10	< 1	0.44	22	1.25	0.084	0.073	1.54	< 2	3	88	0.11	< 1	< 2	< 10	44	< 10	4	22	0.66
GC22-0647-016	30	22	8.34	< 10	1	0.10	< 10	2.20	0.035	0.067	5.57	4	6	52	< 0.01	< 1	< 2	< 10	51	< 10	3	7	1.49
GC22-0394-017	42	49	11.7	< 10	1	0.12	< 10	2.70	0.015	0.066	8.01	7	8	31	< 0.01	< 1	< 2	< 10	90	< 10	8	7	1.16
GC22-0644-018	37	109	11.0	< 10	1	0.12	< 10	2.23	0.022	0.058	9.02	6	6	33	< 0.01	< 1	< 2	< 10	51	< 10	4	12	1.60
STUG22-2070	10	117	2.40	< 10	< 1	0.21	12	0.26	0.046	0.048	2.28	15	< 1	22	0.02	2	< 2	< 10	9	< 10	2	12	0.08
STUG22-2071	7	7	1.48	< 10	1	0.20	19	0.18	0.043	0.051	1.49	48	< 1	19	< 0.01	< 1	< 2	< 10	6	< 10	3	12	0.04
1318015007	39	44	9.70	10	1	0.40	< 10	1.31	0.119	0.074	2.80	5	7	56	0.19	< 1	< 2	< 10	207	< 10	8	10	0.53
1317035072	9	3	3.24	< 10	< 1	0.18	13	0.26	0.017	0.041	3.56	3	< 1	24	< 0.01	3	< 2	< 10	2	< 10	2	19	0.63
GC22-0766-010	29	67	10.3	10	1	0.58	13	2.47	0.045	0.148	2.48	5	13	106	0.19	4	< 2	< 10	111	< 10	14	10	1.66
GC22-0759-006	24	27	8.82	10	< 1	0.10	< 10	2.02	0.110	0.097	3.54	4	9	117	0.10	< 1	< 2	< 10	104	< 10	11	10	1.64
GC22-0764-007	35	29	10.2	10	1	0.22	< 10	1.96	0.187	0.108	3.75	4	11	87	0.14	3	< 2	< 10	88	< 10	11	7	1.53
GC22-0764-021	31	121	8.49	10	< 1	0.13	< 10	2.54	0.055	0.045	3.26	4	9	26	0.17	1	< 2	< 10	242	< 10	5	4	1.13
GC22-0764-020	33	101	7.98	10	< 1	0.14	< 10	2.57	0.035	0.050	1.00	3	14	24	0.18	< 1	< 2	< 10	279	< 10	6	4	1.27
1318015110	22	18	4.92	< 10	< 1	0.62	27	1.63	0.213	0.090	2.83	< 2	5	172	0.13	< 1	< 2	< 10	78	< 10	6	25	1.04
1318015082	15	130	3.66	< 10	< 1	0.45	21	1.20	0.050	0.070	1.64	3	4	50	0.11	< 1	< 2	< 10	51	< 10	5	23	0.66
1318015034	45	56	10.2	10	< 1	0.83	< 10	1.51	0.226	0.075	3.14	4	12	87	0.27	5	< 2	< 10	280	< 10	10	5	0.79
gc22-0759-020	38	63	8.73	< 10	< 1	0.06	< 10	2.64	0.035	0.047	2.78	5	7	41	0.13	2	< 2	< 10	216	< 10	6	5	1.39
gc22-0767-015	36	216	5.55	< 10	< 1	1.77	38	3.70	0.035	0.217	0.27	4	13	346	0.30	< 1	< 2	< 10	143	< 10	10	11	1.36
gc22-0633-019	9	8	2.27	< 10	< 1	0.14	< 10	0.87	0.028	0.046	1.96	2	< 1	33	< 0.01	1	< 2	< 10	3	< 10	2	11	1.06
F013534																							
GC22-0765-004	40	55	10.2	10	< 1	0.07	< 10	2.35	0.048	0.068	4.14	4	11	69	0.09	2	< 2	< 10	160	< 10	9	6	1.51
1318015059	15	94	2.81	< 10	< 1	0.34	20	1.14	0.046	0.062	0.59	< 2	3	86	0.08	< 1	< 2	< 10	38	< 10	4	15	0.81
GC22-0756-003	44	56	10.5	< 10	< 1	0.07	< 10	3.22	0.027	0.060	6.80	5	10	49	< 0.01	1	< 2	< 10	129	< 10	8	6	1.95
1311002043	7	90	2.09	< 10	< 1	0.11	11	0.88	0.170	0.037	1.15	2	< 1	96	0.01	1	< 2	< 10	11	< 10	2	13	0.21
1317027228	6	58	1.89	< 10	< 1	0.16	< 10	0.69	0.011	0.038	1.37	2	< 1	47	< 0.01	1	< 2	< 10	4	< 10	2	13	0.89
1318015037	41	48	9.25	10	< 1	0.45	< 10	1.40	0.195	0.073	2.48	4	12	57	0.23	3	< 2	< 10	224	< 10	10	4	0.54
1317027247	9	39	1.99	< 10	< 1	0.16	20	0.56	0.020	0.056	1.55	< 2	< 1	20	0.02	3	< 2	< 10	7	< 10	3	22	0.15
1318015067	12	96	2.55	< 10	< 1	0.40	14	1.06	0.048	0.046	0.07	< 2	3	76	0.08	3	< 2	< 10	43	< 10	4	15	0.74
GC22-0766-012	35	2	10.6	20	< 1	0.17	< 10	2.46	0.075	0.079	1.38	4	20	48	0.19	< 1	< 2	< 10	260	< 10	10	6	1.81
1317027120	7	27	1.79	< 10	< 1	0.18	14	0.52	0.024	0.041	1.71	< 2	< 1	17	< 0.01	< 1	< 2	< 10	4	< 10	2	19	0.40
GC22-0766-008	32	21	11.0	20	< 1	0.18	< 10	2.14	0.059	0.115	2.13	5	11	45	0.16	< 1	< 2	< 10	172	< 10	10	7	1.30
1318021080	9	87	2.12	< 10	< 1	0.15	12	0.79	0.234	0.039	1.49	2	< 1	122	< 0.01	2	< 2	< 10	7	< 10	3	16	0.25
1431034090	13	12	3.23	< 10	< 1	0.10	14	1.21	0.063	0.059	1.77	2	2	34	0.01	2	< 2	< 10	18	< 10	3	9	0.79
1318021104	8	79	2.15	< 10	< 1	0.16	12	0.73	0.188	0.038	1.54	< 2	< 1	91	< 0.01	< 1	< 2	< 10	7	< 10	3	16	0.25
1311002459	7	6	3.38	< 10	< 1	0.17	15	1.31	0.094	0.043	2.19	< 2	< 1	40	0.01	3	< 2	< 10	9	< 10	3	20	0.16
1311002453	25	96	4.15	< 10	< 1	0.02	< 10	1.91	0.430	0.020	0.13	2	5	57	0.31	3	< 2	< 10	133	< 10	4	5	0.09
1311002462	8	36	3.62	< 10	< 1	0.14	15	1.28	0.082	0.040	2.58	2	< 1	32	< 0.01	1	< 2	< 10	7	< 10	3	22	0.16
1431034146	16	57	3.74	< 10	< 1	0.10	< 10	1.76	0.027	0.044	0.88	< 2	2	23	< 0.01	2	< 2	< 10	13	< 10	2	7	1.68
1431034089	14	59	3.07	< 10	< 1	0.10	21	1.23	0.052	0.063	1.77	< 2	1	37	< 0.01	3	< 2	< 10	10	< 10	3	10	0.87

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1317036134	8	59	1.92	< 10	< 1	0.17	15	0.35	0.033	0.038	1.90	< 2	< 1	25	< 0.01	< 1	< 2	< 10	4	< 10	2	20	0.09
1431030003	8	8	2.05	< 10	< 1	0.13	13	0.73	0.058	0.042	1.03	< 2	< 1	55	< 0.01	< 1	< 2	< 10	9	< 10	2	7	0.70
F013551																							
GC22-0550-013	33	561	4.56	10	< 1	0.51	24	4.50	0.019	0.094	0.51	6	12	126	0.12	4	< 2	< 10	84	< 10	6	11	1.22
GC22-0548-007	9	8	2.45	< 10	< 1	0.13	15	1.08	0.068	0.041	1.31	< 2	< 1	46	< 0.01	< 1	< 2	< 10	8	< 10	3	10	0.84
1431030109	7	9	1.95	< 10	< 1	0.09	< 10	0.66	0.057	0.038	1.19	< 2	< 1	40	< 0.01	1	< 2	< 10	8	< 10	2	6	0.74
1431030145	10	7	2.35	< 10	< 1	0.15	13	0.87	0.065	0.044	1.35	< 2	1	63	< 0.01	1	< 2	< 10	11	< 10	2	8	0.79
1431030120	9	5	2.80	< 10	< 1	0.12	< 10	0.89	0.046	0.052	2.39	< 2	< 1	51	< 0.01	< 1	< 2	< 10	6	< 10	2	11	0.96
1317025471	7	4	2.56	< 10	< 1	0.22	15	1.34	0.014	0.040	1.50	3	< 1	21	0.01	2	< 2	< 10	8	< 10	2	22	0.30
GC22-0592-015	8	5	1.90	< 10	< 1	0.12	< 10	0.83	0.037	0.039	1.66	3	< 1	38	< 0.01	< 1	< 2	< 10	5	< 10	1	8	0.41
GC22-0917-020	8	5	2.14	< 10	< 1	0.13	< 10	0.80	0.035	0.054	1.73	< 2	< 1	25	< 0.01	2	< 2	< 10	4	< 10	1	8	0.33
GC22-5162-019	31	657	4.30	< 10	< 1	0.05	19	5.32	0.012	0.094	0.25	5	9	115	< 0.01	< 1	< 2	< 10	65	< 10	4	11	2.63
GC22-5168-017	4	137	2.61	< 10	< 1	0.11	< 10	0.77	0.139	0.033	1.35	3	< 1	130	< 0.01	< 1	< 2	< 10	7	< 10	2	12	0.08
1432030188	16	43	3.42	< 10	< 1	0.14	< 10	1.30	0.049	0.053	0.77	2	3	40	0.06	< 1	< 2	< 10	35	< 10	3	9	0.54
GC22-0916-017	8	4	1.95	< 10	< 1	0.13	< 10	0.69	0.044	0.036	2.08	9	< 1	35	< 0.01	2	< 2	< 10	4	< 10	1	7	1.02
GC22-0935-018	4	8	2.81	< 10	< 1	0.14	25	0.53	0.036	0.056	1.94	< 2	< 1	59	< 0.01	3	< 2	< 10	6	< 10	3	20	0.32
GC22-5084-017	5	6	1.89	< 10	< 1	0.26	14	1.31	0.031	0.035	1.40	< 2	< 1	55	0.03	< 1	< 2	< 10	9	< 10	2	30	0.33
GC22-0919-021	9	3	1.86	< 10	< 1	0.13	< 10	0.44	0.049	0.046	1.86	2	< 1	59	< 0.01	2	< 2	< 10	4	< 10	1	11	0.84
GC22-0906-020	8	5	1.72	< 10	< 1	0.14	< 10	0.88	0.046	0.036	1.56	< 2	< 1	35	< 0.01	< 1	< 2	< 10	5	< 10	2	7	0.90
GC22-5103-002	11	33	2.55	< 10	< 1	0.18	< 10	0.99	0.053	0.041	1.62	2	2	38	0.02	3	< 2	< 10	19	< 10	2	9	0.97
GC22-0930-019	7	6	3.27	< 10	< 1	0.16	12	1.48	0.105	0.037	1.67	< 2	< 1	85	< 0.01	< 1	< 2	< 10	8	< 10	2	16	0.10
GC22-0906-001	13	109	2.67	< 10	< 1	0.09	< 10	1.47	0.086	0.044	1.15	3	3	58	0.02	< 1	< 2	< 10	24	< 10	2	8	0.66
1432030136	19	88	3.64	< 10	< 1	0.09	< 10	1.57	0.034	0.048	0.57	3	3	31	0.03	1	< 2	< 10	26	< 10	3	6	1.32
F013538																							
1431027015	10	77	2.50	< 10	< 1	0.10	14	1.13	0.044	0.049	1.45	3	< 1	52	< 0.01	3	< 2	< 10	7	< 10	2	10	0.70
GC22-0897-019	7	5	2.40	< 10	< 1	0.22	14	1.02	0.013	0.039	2.00	2	< 1	36	0.01	2	< 2	< 10	6	< 10	2	26	0.48
1431024017	16	10	3.29	< 10	< 1	0.11	< 10	1.27	0.052	0.055	2.42	< 2	2	57	< 0.01	< 1	< 2	< 10	17	< 10	3	13	1.38
1431027029	9	9	2.42	< 10	< 1	0.09	17	0.87	0.040	0.055	0.98	< 2	1	39	< 0.01	< 1	< 2	< 10	14	< 10	2	9	0.55
1431027050	13	109	2.67	< 10	< 1	0.07	14	0.84	0.049	0.057	1.01	2	1	31	0.02	2	< 2	< 10	16	< 10	2	8	0.28
1431024042	12	8	2.49	< 10	< 1	0.15	< 10	1.03	0.087	0.050	1.92	< 2	2	53	< 0.01	4	< 2	< 10	12	< 10	4	15	0.90
1431027026	32	136	6.57	10	< 1	0.05	< 10	2.02	0.023	0.059	1.21	3	11	17	0.05	< 1	< 2	< 10	123	< 10	7	6	0.16
GC22-0914-012	8	4	2.03	< 10	< 1	0.10	< 10	0.83	0.032	0.042	1.53	< 2	< 1	28	< 0.01	< 1	< 2	< 10	4	< 10	1	6	0.78
GC22-0938-001	8	131	2.71	< 10	< 1	0.18	13	1.27	0.109	0.042	1.79	2	< 1	64	0.01	2	< 2	< 10	9	< 10	3	21	0.07
GC22-0892-002	7	5	1.84	< 10	< 1	0.14	16	1.06	0.117	0.040	0.59	3	< 1	63	0.02	2	< 2	< 10	10	< 10	2	17	0.22
GC22-0899-001	19	14	4.43	< 10	< 1	0.37	37	1.68	0.110	0.109	2.43	< 2	4	120	0.05	< 1	< 2	< 10	54	< 10	7	21	1.26
GC22-0843-015	6	5	1.76	< 10	< 1	0.17	16	1.14	0.025	0.039	1.04	< 2	< 1	30	0.04	4	< 2	< 10	8	< 10	2	21	0.23
1431024008	8	96	2.13	< 10	< 1	0.07	10	0.73	0.046	0.062	1.52	< 2	< 1	65	< 0.01	< 1	< 2	< 10	8	< 10	2	8	0.92
STUG22-1395	9	102	2.34	< 10	< 1	0.16	< 10	0.33	0.024	0.045	2.46	7	< 1	15	< 0.01	2	< 2	< 10	5	< 10	2	6	0.03
GC22-0912-002	8	52	3.95	< 10	< 1	0.19	13	1.26	0.031	0.037	1.85	2	< 1	23	0.02	1	< 2	< 10	8	< 10	2	19	0.06
GC22-0923-001	8	56	4.29	< 10	< 1	0.26	14	0.83	0.225	0.039	4.22	2	< 1	41	0.04	2	< 2	< 10	9	< 10	3	25	0.06
1318011040	7	6	1.83	< 10	< 1	0.18	15	1.06	0.029	0.038	1.11	< 2	< 1	32	0.01	1	< 2	< 10	8	< 10	2	20	0.52
GC22-0928-009	7	59	4.03	< 10	< 1	0.12	17	2.00	0.029	0.043	0.68	3	1	37	< 0.01	< 1	< 2	< 10	13	< 10	2	16	0.17
GC22-0926-002	6	6	3.84	< 10	< 1	0.12	< 10	0.87	0.092	0.033	1.92	< 2	< 1	71	< 0.01	3	< 2	< 10	7	< 10	2	15	0.08
1318011007	10	106	2.43	< 10	< 1	0.20	18	0.98	0.156	0.056	1.24	2	2	91	0.02	2	< 2	< 10	18	< 10	3	19	0.32
GC22-0898-011	7	60	1.90	< 10	< 1	0.16	15	0.87	0.044	0.040	1.38	2	< 1	50	0.03	< 1	< 2	< 10	7	< 10	2	26	0.29
GC22-0927-002	22	73	4.30	< 10	< 1	0.94	64	2.47	0.036	0.178	0.30	< 2	9	304	0.15	< 1	< 2	< 10	79	< 10	8	7	1.28
GC22-0894-015	7	6	1.93	< 10	< 1	0.21	16	1.47	0.040	0.040	1.34	< 2	< 1	41	0.02	1	< 2	< 10	9	< 10	2	25	0.23
GC22-0920-001	8	5	2.98	< 10	< 1	0.13	13	0.92	0.100	0.040	2.60	< 2	< 1	51	0.01	4	< 2	< 10	7	< 10	3	22	0.09
GC22-0908-005	8	41	1.93	< 10	< 1	0.17	12	0.49	0.030	0.039	1.93	2	< 1	27	< 0.01	< 1	< 2	< 10	4	< 10	2	19	0.50
F013554																							
GC22-0911-014	5	14	2.33	< 10	< 1	0.07	< 10	1.31	0.144	0.040	0.62	< 2	3	152	< 0.01	1	< 2	< 10	32	< 10	6	11	0.17

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-5137-016	8	8	2.29	< 10	< 1	0.10	11	0.38	0.056	0.037	1.49	< 2	< 1	32	< 0.01	1	< 2	< 10	9	< 10	2	15	< 0.01
1431030411	9	5	2.08	< 10	< 1	0.12	< 10	0.90	0.048	0.044	1.54	2	< 1	45	< 0.01	< 1	< 2	< 10	5	< 10	2	7	0.98
GC22-0537-017	32	20	8.77	< 10	< 1	0.11	< 10	1.77	0.057	0.054	9.46	5	6	58	< 0.01	2	< 2	< 10	52	< 10	7	10	1.75
GC22-5146-021	7	4	1.79	< 10	< 1	0.11	< 10	0.81	0.035	0.037	1.23	< 2	< 1	43	< 0.01	< 1	< 2	< 10	3	< 10	1	6	1.12
1431030058	11	217	2.49	< 10	< 1	0.10	< 10	0.70	0.056	0.046	1.51	3	1	32	0.03	2	< 2	< 10	17	< 10	2	8	0.35
GC22-0798-021	8	3	1.77	< 10	< 1	0.21	13	0.21	0.018	0.041	2.02	< 2	< 1	28	< 0.01	< 1	< 2	< 10	3	< 10	2	14	0.73
GC22-0807-019	16	29	3.11	< 10	< 1	0.12	19	1.45	0.035	0.087	2.16	2	3	30	< 0.01	< 1	< 2	< 10	18	< 10	3	13	0.50
1431030116	12	234	2.43	< 10	< 1	0.08	< 10	0.71	0.049	0.039	1.26	2	2	35	0.03	< 1	< 2	< 10	19	< 10	2	8	0.51
GC22-0646-016	30	28	6.77	< 10	< 1	0.10	< 10	1.97	0.026	0.068	2.21	4	6	26	< 0.01	< 1	< 2	< 10	71	< 10	5	7	1.31
1431030038	9	17	2.23	< 10	< 1	0.10	< 10	0.81	0.070	0.040	1.28	< 2	1	42	0.03	< 1	< 2	< 10	16	< 10	2	8	0.81
GC22-0594-017	8	5	2.11	< 10	< 1	0.13	< 10	1.21	0.040	0.034	1.72	2	< 1	99	< 0.01	2	< 2	< 10	4	< 10	2	10	1.31
GC22-0574-019	4	7	1.33	< 10	< 1	0.10	< 10	0.83	0.169	0.040	0.47	< 2	1	145	< 0.01	2	< 2	< 10	11	< 10	2	9	0.10
1432030003	16	211	3.12	< 10	< 1	0.12	< 10	0.86	0.055	0.048	1.46	3	3	32	0.09	2	< 2	< 10	41	< 10	3	8	0.36
1432030049	19	28	3.79	< 10	< 1	0.10	< 10	1.55	0.050	0.040	0.86	3	3	36	< 0.01	1	< 2	< 10	20	< 10	2	6	1.10
GC22-0616-017	5	4	1.37	< 10	< 1	0.12	< 10	0.22	0.054	0.041	1.43	< 2	< 1	78	< 0.01	2	< 2	< 10	3	< 10	1	8	0.78
GC22-0805-019	9	6	2.16	< 10	< 1	0.09	14	0.87	0.064	0.041	2.02	< 2	< 1	48	< 0.01	4	< 2	< 10	6	< 10	2	11	0.68
F013541																							
GC22-0775-002	35	4	10.0	10	< 1	0.19	< 10	1.86	0.129	0.088	7.25	4	11	57	0.16	1	< 2	< 10	97	< 10	9	9	1.31
GC22-0773-018	54	170	9.23	10	< 1	0.01	< 10	4.39	0.019	0.035	0.14	4	15	43	0.04	4	< 2	< 10	159	< 10	7	3	1.59
GC22-0782-017	34	143	8.17	10	< 1	0.03	< 10	2.51	0.094	0.042	1.41	4	8	40	0.11	< 1	< 2	< 10	212	< 10	5	4	1.61
GC22-0721-021	29	28	7.16	< 10	< 1	0.08	< 10	2.05	0.043	0.053	4.13	4	10	53	< 0.01	< 1	< 2	< 10	100	< 10	7	8	1.42
GC22-0782-001	22	12	6.99	< 10	1	0.11	< 10	2.20	0.060	0.064	2.63	3	8	70	0.05	< 1	< 2	< 10	110	< 10	8	10	1.86

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1431026011	2.23	
1431026010	1.35	
1431026048	2.12	
1432030073	0.49	
GC22-2108-004	3.82	
GC22-0749-016	1.89	
GC22-5161-015	0.21	
GC22-2110-013	3.67	5.19
GC22-5164-014	1.73	
F013639		5.76
F013623		5.39
GC22-0394-021	5.68	
1318015017	1.39	
GC22-0647-016	3.59	
GC22-0394-017	8.21	
GC22-0644-018	9.45	
STUG22-2070	2.00	
STUG22-2071	1.39	
1318015007	2.85	
1317035072	3.25	
GC22-0766-010	2.45	
GC22-0759-006	3.52	
GC22-0764-007	3.78	
GC22-0764-021	3.14	
GC22-0764-020	0.99	
1318015110	2.67	
1318015082	1.60	
1318015034	3.18	
gc22-0759-020	2.86	
gc22-0767-015	0.07	
gc22-0633-019	1.82	
F013534		
GC22-0765-004	2.95	
1318015059	0.58	
GC22-0756-003	6.84	
1311002043	1.12	
1317027228	1.42	26.9
1318015037	2.65	
1317027247	1.53	
1318015067	0.07	
GC22-0766-012	1.43	
1317027120	1.61	
GC22-0766-008	2.18	
1318021080	1.40	
1431034090	1.73	
1318021104	1.47	
1311002459	2.09	
1311002453	0.14	
1311002462	2.55	
1431034146	0.97	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1431034089	1.72	
1317036134	1.22	
1431030003	0.93	
F013551		
GC22-0550-013	0.23	
GC22-0548-007	1.27	
1431030109	1.20	
1431030145	1.34	
1431030120	2.28	
1317025471	1.49	7.50
GC22-0592-015	1.57	
GC22-0917-020	1.67	
GC22-5162-019	0.30	
GC22-5168-017	1.32	
1432030188	0.47	
GC22-0916-017	2.06	
GC22-0935-018	1.93	
GC22-5084-017	1.41	
GC22-0919-021	1.11	
GC22-0906-020	1.60	
GC22-5103-002	1.63	
GC22-0930-019	1.74	
GC22-0906-001	1.16	
1432030136	0.62	
F013538		
1431027015	1.37	
GC22-0897-019	1.81	
1431024017	2.41	
1431027029	0.94	
1431027050	0.99	
1431024042	1.86	
1431027026	1.33	
GC22-0914-012	1.45	
GC22-0938-001	1.64	
GC22-0892-002	0.56	
GC22-0899-001	2.49	
GC22-0843-015	1.03	
1431024008	1.52	
STUG22-1395	2.24	
GC22-0912-002	1.83	
GC22-0923-001	4.10	
1318011040	1.15	
GC22-0928-009	0.75	
GC22-0926-002	1.96	
1318011007	0.94	
GC22-0898-011	1.33	
GC22-0927-002	0.33	
GC22-0894-015	1.24	
GC22-0920-001	2.53	
GC22-0908-005	1.88	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
F013554		
GC22-0911-014	0.72	
GC22-5137-016	1.49	
1431030411	1.54	
GC22-0537-017	9.60	
GC22-5146-021	1.22	
1431030058	1.43	
GC22-0798-021	1.96	
GC22-0807-019	2.15	
1431030116	1.31	
GC22-0646-016	2.33	
1431030038	1.35	
GC22-0594-017	1.70	
GC22-0574-019	0.57	
1432030003	1.42	
1432030049	0.57	
GC22-0616-017	1.42	
GC22-0805-019	1.99	
F013541		5.70
GC22-0775-002	7.86	
GC22-0773-018	0.18	
GC22-0782-017	1.61	
GC22-0721-021	4.29	
GC22-0782-001	2.96	

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas									0.2	< 0.5	67	1050	1	23	97	124	7.10	246	< 10	727	0.9	< 2	0.13
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
GXR-6 Meas									0.2	< 0.5	66	1030	1	22	96	122	6.94	236	< 10	717	0.9	< 2	0.13
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
GXR-6 Meas									0.2	< 0.5	68	1070	1	23	100	128	7.06	248	< 10	727	0.9	< 2	0.13
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
BaSO4 Meas								43.1															
BaSO4 Cert								41.94															
BaSO4 Meas								43.0															
BaSO4 Cert								41.94															
BaSO4 Meas								40.6															
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															
BaSO4 Cert								41.94															
BaSO4 Meas								41.4															
BaSO4 Cert								41.94															
BaSO4 Meas								40.6															
BaSO4 Cert								41.94															
BaSO4 Meas								40.9															
BaSO4 Cert								41.94															
BaSO4 Meas								40.3															
BaSO4 Cert								41.94															
BaSO4 Meas								40.4															
BaSO4 Cert								41.94															
RTS-3a Meas								30.2															
RTS-3a Cert								29.90															
RTS-3a Meas								28.9															
RTS-3a Cert								29.90															
RTS-3a Meas								28.3															
RTS-3a Cert								29.90															
RTS-3a Meas								29.1															
RTS-3a Cert								29.90															
RTS-3a Meas								29.4															
RTS-3a Cert								29.90															
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SiO2 Cert																							
SiO2 Meas								0.07															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.14															
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas			8.50																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.83																				
NBM-1 (slight fzz) Cert			8.53																				
OREAS 922 (AQUA REGIA) Meas									0.6	< 0.5	2160	745	< 1	33	59	253	2.74	5		69	0.7	5	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2150	741	< 1	33	59	247	2.75	7		70	0.7	9	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2200	766	< 1	33	62	266	2.78	7		68	0.7	8	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 923 (AQUA REGIA) Meas									1.4	< 0.5	4300	847	< 1	30	79	323	2.83	5		57	0.6	17	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.3	< 0.5	4320	850	< 1	28	82	322	2.84	7		57	0.6	18	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.3	< 0.5	4240	855	< 1	32	80	338	2.77	6		54	0.6	15	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 229b (Fire Assay) Meas																							
OREAS 229b																							

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas											340	164	< 1	217	9	24	6.82			142	1.0	4	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											333	162	< 1	214	10	23	6.66			141	1.0	2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											342	165	< 1	220	9	24	6.52			145	1.0	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 238 (Fire Assay) Meas	3180																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3010																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3140																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3070																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3020																						
OREAS 238 (Fire Assay) Cert	3030																						
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	518																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	516																						
Oreas E1336 (Fire Assay) Cert	510																						

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas E1336 (Fire Assay) Meas	514																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	513																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	496																						
Oreas E1336 (Fire Assay) Cert	510																						
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
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GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									39.3	160	1800	430	9	13	> 5000	> 10000	1.22	48		< 10	0.6	< 2	1.27
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									39.1	158	1770	427	9	16	> 5000	> 10000	1.21	49		< 10	0.6	< 2	1.27
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									39.4	161	1760	430	9	13	> 5000	> 10000	1.17	50		16	0.6	< 2	1.29
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
GC22-2108-004 Orig				-99.2	6.98	0.0657	106.19																
GC22-2108-004 Dup				-99.2	6.98	0.0657	106.19																
GC22-5164-014 Orig	186																						
GC22-5164-014 Dup	198																						
GC22-0394-021 Orig								3.25															
GC22-0394-021 Dup								2.97															
GC22-0394-017 Orig									1.2	1.0	268	2350	< 1	58	< 2	371	3.05	27	< 10	13	< 0.5	3	1.96
GC22-0394-017 Dup									1.2	1.1	267	2360	< 1	61	< 2	371	3.05	24	< 10	14	< 0.5	3	1.94

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1317035072 Orig	387																						
1317035072 Dup	285																						
GC22-0766-010 Orig								1.17															
GC22-0766-010 Dup								1.18															
gc22-0759-020 Orig									2.0	< 0.5	247	1190	< 1	57	5	211	3.58	40	< 10	12	< 0.5	< 2	3.61
gc22-0759-020 Dup									2.0	< 0.5	236	1190	< 1	60	4	212	3.56	37	< 10	12	< 0.5	< 2	3.61
gc22-0633-019 Orig	175																						
gc22-0633-019 Dup	236																						
1318015059 Orig																							
1318015059 Dup																							
GC22-0756-003 Orig								5.03															
GC22-0756-003 Dup								5.91															
1317027120 Orig	83																						
1317027120 Dup	71																						
GC22-0766-008 Orig									0.7	< 0.5	63	1520	< 1	5	2	188	3.78	18	< 10	23	< 0.5	2	3.51
GC22-0766-008 Dup									0.7	< 0.5	61	1490	< 1	4	3	183	3.68	17	< 10	23	< 0.5	< 2	3.47
1318021080 Orig								0.32															
1318021080 Dup								0.36															
1431034090 Orig																							
1431034090 Dup																							
1311002462 Orig		None		-62.1	11.4	0.155	73.43																
1311002462 Dup		None		-62.0	11.4	0.156	73.43																
GC22-0550-013 Orig	67																						
GC22-0550-013 Dup	67																						
GC22-0548-007 Orig																							
GC22-0548-007 Dup																							
1431030145 Orig								0.58	< 0.2	< 0.5	89	374	2	14	< 2	36	1.23	3	< 10	40	< 0.5	< 2	2.01
1431030145 Dup								0.60	< 0.2	< 0.5	92	377	2	13	3	38	1.26	3	< 10	42	< 0.5	< 2	2.13
GC22-5168-017 Orig																							
GC22-5168-017 Dup																							
GC22-0935-018 Orig	3550							0.70															
GC22-0935-018 Dup	2980							0.67															
1432030136 Orig			9.03																				
1432030136 Dup			9.01																				
1431024017 Orig																							

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1431024017 Dup																							
1431027050 Orig	123																						
1431027050 Dup	129																						
1431024042 Orig								0.74															
1431024042 Dup								0.71															
1431027026 Orig									0.2	< 0.5	95	794	1	45	4	87	2.54	6	< 10	17	< 0.5	< 2	0.49
1431027026 Dup									0.2	< 0.5	107	821	2	45	4	88	2.59	5	< 10	18	< 0.5	< 2	0.50
STUG22-1395 Orig																							
STUG22-1395 Dup																							
GC22-0912-002 Orig								0.43															
GC22-0912-002 Dup								0.44															
GC22-0898-011 Orig									0.4	< 0.5	22	637	< 1	9	43	89	1.86	42	< 10	22	< 0.5	< 2	1.52
GC22-0898-011 Dup									0.4	< 0.5	22	638	< 1	8	43	87	1.86	41	< 10	23	< 0.5	< 2	1.51
GC22-0927-002 Orig		Slight																					
GC22-0927-002 Dup		Slight																					
GC22-0920-001 Orig																							
GC22-0920-001 Dup																							
1431030411 Orig	76							0.57															
1431030411 Dup	78							0.53															
1431030116 Orig									0.4	< 0.5	102	356	3	22	8	104	0.95	11	< 10	23	< 0.5	< 2	1.40
1431030116 Dup									0.5	< 0.5	102	356	2	23	8	105	0.95	10	< 10	23	< 0.5	< 2	1.39
GC22-0646-016 Orig																							
GC22-0646-016 Dup																							
1431030038 Orig	65																						
1431030038 Dup	58																						
GC22-0594-017 Orig	208							0.59															
GC22-0594-017 Dup	205							0.57															
GC22-0616-017 Orig								0.41															
GC22-0616-017 Dup								0.47															
GC22-0773-018 Orig																							
GC22-0773-018 Dup																							
GC22-0782-017 Orig																							
GC22-0782-017 Dup																							
GC22-0782-001	206	Slight	9.02	26.4	105	1.34	78.43																

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Orig																							
GC22-0782-001 Dup	210	Slight	8.97	22.2	101	1.28	78.43																
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GXR-6 Meas	14	80	5.43	20	< 1	0.98	< 10	0.38	0.062	0.033	0.01	5	23	30		1	< 2	< 10	165	< 10	5	14	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	13	78	5.30	20	< 1	0.96	< 10	0.37	0.060	0.033	0.01	4	22	30		< 1	< 2	< 10	163	< 10	5	13	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	14	80	5.44	20	1	0.95	< 10	0.38	0.061	0.034	0.01	6	23	30		< 1	< 2	< 10	166	< 10	5	12	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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RTS-3a Meas																							
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RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.07
GS311-4 Cert																							1.11
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	19	43	5.01	< 10		0.37	32	1.28	0.020	0.061	0.37	4	3	16			< 2	< 10	31	< 10	16	25	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	19	43	5.01	< 10		0.37	33	1.28	0.020	0.060	0.36	3	3	16			< 2	< 10	31	< 10	16	24	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	45	5.09	< 10		0.36	33	1.31	0.020	0.063	0.38	2	3	16			< 2	< 10	32	< 10	16	29	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	21	41	5.76	< 10		0.32	30	1.39		0.058	0.66	3	3	14			< 2	< 10	31	< 10	15	30	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	40	5.79	< 10		0.32	31	1.40		0.058	0.67	3	3	14			< 2	< 10	31	< 10	15	30	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	41	5.71	< 10		0.30	30	1.39		0.059	0.67	< 2	3	14			< 2	< 10	31	< 10	14	32	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	39	344	13.3	20	< 1	0.09	10	0.17	0.035	0.020	0.02		31	15	0.13		< 2	< 10	199		5	27	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
OREAS 45f (Aqua Regia) Meas	39	329	13.2	20	< 1	0.09	< 10	0.17	0.034	0.019	0.02		30	14	0.12		< 2	< 10	187		5	25	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	40	358	13.4	20	< 1	0.08	10	0.17	0.036	0.020	0.02		31	14	0.12		< 2	< 10	205		5	24	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							8.42
GS317-5 Cert																							8.46
GS317-5 Meas																							8.04
GS317-5 Cert																							8.46
GS317-5 Meas																							8.26
GS317-5 Cert																							8.46
GS317-5 Meas																							8.47
GS317-5 Cert																							8.46
GS317-5 Meas																							8.28
GS317-5 Cert																							8.46
GS317-5 Meas																							8.24
GS317-5 Cert																							8.46
GS317-5 Meas																							8.28
GS317-5 Cert																							8.46
Oreas 620 (Aqua Regia) Meas	13	17	2.61	< 10	2	0.27	24	0.27	0.115	0.030	2.51	66		19			< 2	< 10	8	38	7	54	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	13	21	2.59	< 10	2	0.27	24	0.27	0.115	0.030	2.51	65		19			< 2	< 10	8	37	7	58	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	17	2.57	< 10	2	0.26	24	0.27	0.112	0.030	2.55	64		19			< 2	< 10	8	< 10	7	54	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
GC22-2108-004 Orig																							
GC22-2108-004 Dup																							
GC22-5164-014 Orig																							
GC22-5164-014 Dup																							
GC22-0394-021 Orig																							1.87
GC22-0394-021 Dup																							1.89
GC22-0394-017 Orig	42	49	11.7	< 10	1	0.12	< 10	2.70	0.015	0.066	8.01	7	8	31	< 0.01	< 1	< 2	< 10	90	< 10	8	7	
GC22-0394-017 Dup	43	49	11.7	< 10	< 1	0.12	< 10	2.69	0.015	0.066	8.00	4	8	31	< 0.01	< 1	< 2	< 10	90	< 10	8	7	
1317035072 Orig																							
1317035072 Dup																							
GC22-0766-010 Orig																							
GC22-0766-010 Dup																							
gc22-0759-020 Orig	38	63	8.73	< 10	< 1	0.06	< 10	2.64	0.035	0.047	2.78	5	7	41	0.13	2	< 2	< 10	216	< 10	6	5	
gc22-0759-020 Dup	38	62	8.67	< 10	< 1	0.06	< 10	2.63	0.035	0.047	2.81	3	7	41	0.13	< 1	< 2	< 10	214	< 10	6	5	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
gc22-0633-019 Orig																							
gc22-0633-019 Dup																							
1318015059 Orig																							0.81
1318015059 Dup																							0.81
GC22-0756-003 Orig																							
GC22-0756-003 Dup																							
1317027120 Orig																							
1317027120 Dup																							
GC22-0766-008 Orig	32	21	11.0	20	< 1	0.18	< 10	2.14	0.059	0.115	2.13	5	11	45	0.16	< 1	< 2	< 10	172	< 10	10	7	
GC22-0766-008 Dup	30	21	10.7	10	< 1	0.18	< 10	2.09	0.058	0.112	2.00	5	10	44	0.16	3	< 2	< 10	168	< 10	10	7	
1318021080 Orig																							
1318021080 Dup																							
1431034090 Orig																							0.79
1431034090 Dup																							0.79
1311002462 Orig																							
1311002462 Dup																							
GC22-0550-013 Orig																							
GC22-0550-013 Dup																							
GC22-0548-007 Orig																							0.84
GC22-0548-007 Dup																							0.84
1431030145 Orig	10	7	2.35	< 10	< 1	0.15	13	0.87	0.065	0.044	1.35	< 2	1	63	< 0.01	1	< 2	< 10	11	< 10	2	8	
1431030145 Dup	10	7	2.38	< 10	< 1	0.15	14	0.88	0.067	0.045	1.34	< 2	1	63	< 0.01	< 1	< 2	< 10	12	< 10	2	9	
GC22-5168-017 Orig																							0.08
GC22-5168-017 Dup																							0.08
GC22-0935-018 Orig																							0.32
GC22-0935-018 Dup																							0.32
1432030136 Orig																							
1432030136 Dup																							
1431024017 Orig																							1.38
1431024017 Dup																							1.38
1431027050 Orig																							
1431027050 Dup																							
1431024042 Orig																							
1431024042 Dup																							
1431027026 Orig	32	136	6.57	10	< 1	0.05	< 10	2.02	0.023	0.059	1.21	3	11	17	0.05	< 1	< 2	< 10	123	< 10	7	6	
1431027026 Dup	33	139	6.72	< 10	< 1	0.05	10	2.06	0.025	0.061	1.27	4	11	18	0.05	1	< 2	< 10	125	< 10	7	7	
STUG22-1395 Orig																							0.03
STUG22-1395 Dup																							0.02
GC22-0912-002																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Orig																							
GC22-0912-002 Dup																							
GC22-0898-011 Orig	7	60	1.90	< 10	< 1	0.16	15	0.87	0.044	0.040	1.38	2	< 1	50	0.03	< 1	< 2	< 10	7	< 10	2	26	
GC22-0898-011 Dup	7	63	1.91	< 10	< 1	0.16	16	0.87	0.044	0.039	1.35	< 2	< 1	49	0.03	< 1	< 2	< 10	7	< 10	2	26	
GC22-0927-002 Orig																							
GC22-0927-002 Dup																							
GC22-0920-001 Orig																							0.09
GC22-0920-001 Dup																							0.09
1431030411 Orig																							
1431030411 Dup																							
1431030116 Orig	12	234	2.43	< 10	< 1	0.08	< 10	0.71	0.049	0.039	1.26	2	2	35	0.03	< 1	< 2	< 10	19	< 10	2	8	
1431030116 Dup	12	241	2.44	< 10	< 1	0.08	< 10	0.71	0.049	0.038	1.26	3	2	34	0.04	2	< 2	< 10	19	< 10	2	8	
GC22-0646-016 Orig																							1.31
GC22-0646-016 Dup																							1.30
1431030038 Orig																							
1431030038 Dup																							
GC22-0594-017 Orig																							
GC22-0594-017 Dup																							
GC22-0616-017 Orig																							
GC22-0616-017 Dup																							
GC22-0773-018 Orig																							1.59
GC22-0773-018 Dup																							1.58
GC22-0782-017 Orig																							1.61
GC22-0782-017 Dup																							1.61
GC22-0782-001 Orig																							
GC22-0782-001 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Method Blank																							
Method Blank																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GXR-6 Meas		
GXR-6 Cert		
GXR-6 Meas		
GXR-6 Cert		
GXR-6 Meas		
GXR-6 Cert		
BaSO4 Meas	14.4	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	13.5	
BaSO4 Cert	14.0	
BaSO4 Meas	13.8	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.4	
BaSO4 Cert	14.0	
BaSO4 Meas	14.7	
BaSO4 Cert	14.0	
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.58	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.58	
GS311-4 Cert	0.54	
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 229b (Fire Assay) Meas		11.4
OREAS 229b (Fire Assay) Cert		11.95
OREAS 45f (Aqua Regia) Meas		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
OREAS 257b (Fire Assay) Meas		14.8
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
GS317-5 Meas	14.6	
GS317-5 Cert	15.5	
GS317-5 Meas	15.3	
GS317-5 Cert	15.5	
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
GC22-2108-004 Orig		
GC22-2108-004 Dup		
GC22-5164-014 Orig		
GC22-5164-014 Dup		
GC22-0394-021 Orig	5.68	
GC22-0394-021 Dup	5.76	
GC22-0394-017 Orig		
GC22-0394-017 Dup		
1317035072 Orig		
1317035072 Dup		
GC22-0766-010 Orig		
GC22-0766-010 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
gc22-0759-020 Orig		
gc22-0759-020 Dup		
gc22-0633-019 Orig		
gc22-0633-019 Dup		
1318015059 Orig	0.58	
1318015059 Dup	0.60	
GC22-0756-003 Orig		
GC22-0756-003 Dup		
1317027120 Orig		
1317027120 Dup		
GC22-0766-008 Orig		
GC22-0766-008 Dup		
1318021080 Orig		
1318021080 Dup		
1431034090 Orig	1.73	
1431034090 Dup	1.71	
1311002462 Orig		
1311002462 Dup		
GC22-0550-013 Orig		
GC22-0550-013 Dup		
GC22-0548-007 Orig	1.27	
GC22-0548-007 Dup	1.29	
1431030145 Orig		
1431030145 Dup		
GC22-5168-017 Orig	1.32	
GC22-5168-017 Dup	1.27	
GC22-0935-018 Orig	1.93	
GC22-0935-018 Dup	1.92	
1432030136 Orig		
1432030136 Dup		
1431024017 Orig	2.41	
1431024017 Dup	2.44	
1431027050 Orig		
1431027050 Dup		
1431024042 Orig		
1431024042 Dup		
1431027026 Orig		
1431027026 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
STUG22-1395 Orig	2.24	
STUG22-1395 Dup	2.30	
GC22-0912-002 Orig		
GC22-0912-002 Dup		
GC22-0898-011 Orig		
GC22-0898-011 Dup		
GC22-0927-002 Orig		
GC22-0927-002 Dup		
GC22-0920-001 Orig	2.53	
GC22-0920-001 Dup	2.50	
1431030411 Orig		
1431030411 Dup		
1431030116 Orig		
1431030116 Dup		
GC22-0646-016 Orig	2.33	
GC22-0646-016 Dup	2.28	
1431030038 Orig		
1431030038 Dup		
GC22-0594-017 Orig		
GC22-0594-017 Dup		
GC22-0616-017 Orig		
GC22-0616-017 Dup		
GC22-0773-018 Orig	0.18	
GC22-0773-018 Dup	0.17	
GC22-0782-017 Orig	1.61	
GC22-0782-017 Dup	1.61	
GC22-0782-001 Orig		
GC22-0782-001 Dup		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Quality Analysis ... *Innovative Technologies*

Report No.: **A23-01862**
Report Date: **01-May-23**
Date Submitted: **09-Feb-23**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

134 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-03-21 14:18:03
4F-C, S	Infrared	2023-03-20 21:48:54

REPORT **A23-01862**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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

Report No.: **A23-01862**
Report Date: **01-May-23**
Date Submitted: **09-Feb-23**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

134 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2023-02-15 10:34:15
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2023-02-21 11:28:15
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2023-03-01 22:06:24

REPORT **A23-01862**

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Notes:

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If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC22-0622-015	Slight	8.93	-15.2	51.0	0.771	66.16	0.49	239	1.6	< 0.5	9	655	< 1	11	25	71	1.14	11	< 10	27	< 0.5	< 2	1.42
GC22-0774-016	Slight	8.73	128	152	6.19	24.64	0.84	29	0.6	< 0.5	280	1270	< 1	75	< 2	153	3.47	6	< 10	18	< 0.5	< 2	4.28
GC22-0776-021	Slight	9.04	92.1	97.4	18.3	5.34	0.44	14	< 0.2	< 0.5	60	1320	< 1	167	< 2	111	4.61	5	< 10	< 10	< 0.5	< 2	2.97
GC22-0723-015	Slight	7.92	-168	15.4	0.0840	183.13	5.44	329	4.2	1.1	120	1850	1	51	3	508	2.90	29	< 10	11	< 0.5	3	2.06
GC22-0777-012	Slight	8.66	3.11	111	1.03	107.96	1.94	122	0.6	< 0.5	100	1080	1	55	< 2	106	3.40	13	< 10	14	< 0.5	< 2	3.76
GC22-0659-016	Slight	7.60	-94.3	22.5	0.192	116.74	1.23	143	1.2	< 0.5	59	2340	3	32	4	287	1.50	35	< 10	25	< 0.5	3	0.64
GC22-0724-018	Slight	6.79	-251	16.5	0.0616	267.06	1.87	424	1.5	1.1	173	2500	1	53	< 2	624	2.16	33	< 10	15	< 0.5	3	0.50
1318015152	Slight	8.64	-31.2	39.3	0.558	70.51	1.43	135	1.4	3.1	154	1100	2	49	6	964	2.53	14	< 10	37	< 0.5	< 2	1.80
1318015001	Slight	9.25	34.0	56.2	2.53	22.22	0.44	18	< 0.2	< 0.5	27	753	1	14	3	182	1.24	7	< 10	74	< 0.5	< 2	2.16
GC22-0776-008	Slight	8.35	-125	2.08	0.0163	127.09	4.17	224	1.4	< 0.5	86	1620	< 1	20	4	125	2.78	28	< 10	14	< 0.5	2	3.60
1318015174	Slight	8.94	24.5	56.4	1.77	31.96	0.57	58	0.3	< 0.5	32	840	1	19	3	193	1.34	10	< 10	61	< 0.5	< 2	2.29
1317035149	Slight	8.84	16.0	55.2	1.41	39.21	0.50	142	1.0	3.3	26	827	< 1	18	39	851	0.45	69	< 10	25	< 0.5	< 2	2.04
1431030023	Slight	8.75	16.5	59.7	1.38	43.28	0.47	97	0.2	< 0.5	107	330	1	14	3	64	0.72	5	< 10	24	< 0.5	< 2	1.82
F013552								539															
1311003057	Slight	8.54	-45.8	22.2	0.327	68.04	0.78	159	0.6	< 0.5	65	530	< 1	11	5	92	3.26	38	< 10	26	< 0.5	5	1.11
1431030104	Slight	9.33	34.3	58.1	2.45	23.74	0.29	54	< 0.2	< 0.5	99	344	3	19	< 2	29	1.17	3	< 10	26	< 0.5	< 2	2.03
1431030119	Slight	9.22	14.7	46.1	1.47	31.34	0.33	80	< 0.2	< 0.5	204	268	6	19	< 2	35	1.14	< 2	< 10	22	< 0.5	< 2	1.78
1431030064	Slight	9.06	35.7	89.6	1.66	53.87	0.62	195	< 0.2	< 0.5	206	305	1	12	< 2	24	0.51	3	< 10	28	< 0.5	< 2	2.23
1318017058	Slight	9.31	36.7	37.4	52.3	0.72	0.06	9	< 0.2	< 0.5	43	343	< 1	13	< 2	80	1.13	< 2	< 10	65	< 0.5	< 2	1.53
1318017063	Slight	9.20	29.3	44.7	2.91	15.34	0.28	207	1.0	< 0.5	33	757	< 1	9	7	190	1.02	9	< 10	38	< 0.5	< 2	1.71
1318017085	Slight	9.35	49.2	56.1	8.13	6.91	0.34	54	0.3	< 0.5	34	765	< 1	9	3	155	1.32	7	< 10	54	< 0.5	< 2	2.11
1318018050	Slight	9.38	35.0	44.6	4.67	9.53	0.31	15	< 0.2	< 0.5	15	386	< 1	11	6	73	1.15	5	< 10	46	< 0.5	< 2	1.78
1318018041	Slight	9.28	25.5	45.3	2.29	19.80	0.27	29	< 0.2	< 0.5	36	384	< 1	17	6	53	1.14	5	< 10	32	< 0.5	< 2	1.71
1432078006	Slight	9.07	19.7	65.3	1.43	45.66	0.76	147	3.2	< 0.5	19	624	1	9	8	81	0.77	40	< 10	24	< 0.5	< 2	1.42
1311003608	Slight	8.63	-34.9	38.0	0.521	72.88	1.04	334	1.9	5.5	157	477	2	14	3	1350	2.43	31	< 10	29	< 0.5	4	1.37
1318017057	Slight	9.33	34.1	40.3	6.52	6.19	0.27	29	0.2	< 0.5	30	540	< 1	9	3	80	1.17	4	< 10	59	< 0.5	< 2	1.53
1318017081	Slight	9.18	45.1	53.0	6.67	7.94	0.37	41	0.2	< 0.5	23	631	1	10	3	111	1.05	9	< 10	40	< 0.5	< 2	2.05
1318018102	Slight	9.25	32.0	38.2	6.14	6.22	0.27	14	< 0.2	< 0.5	13	357	< 1	15	3	56	1.64	5	< 10	45	< 0.5	< 2	1.79
1318018083	Slight	9.18	29.7	39.7	3.94	10.08	0.28	21	< 0.2	< 0.5	25	358	< 1	10	3	52	1.61	4	< 10	33	< 0.5	< 2	1.76
1318017067	Slight	8.87	74.5	80.8	12.6	6.40	0.45	17	< 0.2	< 0.5	13	783	< 1	22	3	112	1.45	5	< 10	70	< 0.5	< 2	2.60
1311004047	None	8.42	-76.5	11.5	0.130	88.00	0.69	103	0.3	< 0.5	24	318	< 1	9	5	59	2.07	22	< 10	32	< 0.5	6	0.86
1432078038	None	7.85	-7.61	7.75	0.504	15.36	0.16	61	0.3	< 0.5	23	94	1	10	3	26	0.39	115	< 10	< 10	< 0.5	< 2	0.19
1432078087	Slight	8.87	17.3	70.3	1.33	53.03	0.56	203	3.4	< 0.5	26	529	1	11	20	155	1.11	43	< 10	24	< 0.5	< 2	1.22
1431030067	Slight	9.39	61.9	77.8	4.90	15.88	0.36	22	< 0.2	< 0.5	126	249	4	12	< 2	23	0.81	< 2	< 10	29	< 0.5	< 2	1.88
1311004111	None	8.96	10.6	43.3	1.32	32.75	0.47	104	< 0.2	< 0.5	62	367	1	9	6	60	2.36	6	< 10	61	< 0.5	5	1.10
1311004071	None	8.58	-66.4	14.0	0.174	80.33	0.73	106	< 0.2	< 0.5	13	342	< 1	11	9	49	2.73	15	< 10	31	< 0.5	4	1.21
F013558								530															
1317031037	Slight	9.14	11.6	29.4	1.65	17.82	0.34	94	0.5	< 0.5	20	558	< 1	14	16	74	2.87	20	< 10	33	< 0.5	< 2	2.07
1317031041	Slight	9.08	19.6	52.0	1.60	32.43	0.42	324	1.7	< 0.5	31	898	< 1	8	21	130	1.42	29	< 10	39	< 0.5	< 2	2.09
1317031064	Slight	8.75	-27.1	35.8	0.569	62.84	0.58	462	0.9	< 0.5	39	680	< 1	9	34	165	2.09	115	< 10	38	< 0.5	< 2	1.88
STUG22-3394	None	9.39	-51.7	8.49	0.141	60.19	0.47	1810	10.3	0.8	58	409	< 1	8	121	255	1.36	50	< 10	38	< 0.5	< 2	0.61
1317030072	Slight	9.05	-5.84	31.9	0.845	37.72	0.43	283	0.4	< 0.5	24	679	< 1	12	34	119	2.84	38	< 10	40	< 0.5	< 2	2.04
1317033055	Slight	8.86	-30.1	20.0	0.399	50.03	0.46	38	0.2	< 0.5	15	461	< 1	13	30	69	2.22	26	< 10	28	< 0.5	< 2	1.42
1317030076	Slight	9.22	37.5	60.2	2.65	22.72	0.53	74	0.4	< 0.5	31	1020	< 1	24	14	126	1.72	25	< 10	62	< 0.5	< 2	2.31
1311006044	Slight	9.14	-18.6	11.2	0.377	29.75	0.30	283	0.6	< 0.5	172	201	< 1	4	< 2	26	2.27	6	< 10	19	< 0.5	< 2	1.09
1317031001	Slight	9.06	-19.9	26.4	0.570	46.37	0.45	864	1.3	1.7	28	672	< 1	8	34	557	2.30	57	< 10	24	< 0.5	< 2	1.37
1317033088	Slight	9.14	14.9	45.9	1.48	31.03	0.36	65	< 0.2	< 0.5	95	775	4	8	12	76	1.18	2	< 10	28	< 0.5	< 2	1.94
1317033060	Slight	9.09	16.6	57.6	1.40	41.04	0.47	277	0.6	0.9	32	1020	< 1	7	111	321	1.34	47	< 10	29	< 0.5	< 2	2.21
1317030043	Slight	9.06	4.36	34.5	1.14	30.13	0.39	569	0.7	0.9	34	756	< 1	8	31	277	2.90	34	< 10	38	< 0.5	< 2	2.17

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1317042012	Slight	9.11	-10.1	44.0	0.813	54.17	0.56	119	1.5	0.8	35	1210	< 1	8	87	267	1.39	65	< 10	22	< 0.5	< 2	1.83
1317033073	Slight	9.16	-6.50	33.8	0.839	40.30	0.37	173	0.4	< 0.5	10	650	< 1	9	35	96	2.09	46	< 10	22	< 0.5	< 2	1.60
1317030092	Slight	9.04	-6.91	24.4	0.779	31.29	0.31	86	0.3	< 0.5	21	560	< 1	10	7	79	1.64	23	< 10	36	< 0.5	< 2	1.21
1317030098	None	8.81	-46.0	16.9	0.269	62.88	0.79	748	0.8	7.2	48	573	< 1	7	38	2080	1.82	97	< 10	28	< 0.5	< 2	0.75
1317029034	Slight	8.94	10.6	35.5	1.43	24.83	0.27	296	0.3	< 0.5	23	594	< 1	13	41	147	2.18	35	< 10	24	< 0.5	< 2	1.72
1317042071	Slight	8.58	-6.87	66.5	0.906	73.40	1.44	743	2.1	< 0.5	17	1220	< 1	14	28	57	0.67	172	< 10	26	< 0.5	< 2	1.93
1317042039	Slight	8.48	19.1	58.2	1.49	39.06	0.56	176	0.8	< 0.5	26	1380	< 1	33	31	152	2.14	38	< 10	49	< 0.5	< 2	2.51
1317039019	None	8.65	-60.6	15.5	0.204	76.06	0.79	1070	5.2	2.3	315	875	< 1	46	32	576	2.00	94	< 10	23	< 0.5	5	0.50
1317031093	Slight	9.18	-1.81	28.7	0.941	30.54	0.27	179	0.2	< 0.5	21	709	< 1	7	28	110	2.88	23	< 10	39	< 0.5	< 2	2.00
F013525								1770															
1430012003	Slight	8.92	3.63	74.2	1.05	70.57	0.70	49	< 0.2	< 0.5	191	671	4	21	< 2	69	1.42	2	< 10	38	< 0.5	< 2	2.42
1430012048	Slight	9.00	-38.2	18.0	0.320	56.21	0.46	34	< 0.2	< 0.5	17	462	< 1	10	2	52	1.34	5	< 10	38	< 0.5	< 2	0.60
1431034117	Slight	9.02	21.7	27.8	4.54	6.11	0.59	7	< 0.2	< 0.5	99	1310	< 1	78	< 2	139	2.58	12	< 10	< 10	< 0.5	< 2	4.85
1317040170	Slight	9.56	34.3	42.3	5.26	8.03	0.26	106	< 0.2	< 0.5	14	399	< 1	12	20	63	1.67	13	< 10	39	< 0.5	< 2	2.03
1318019019	Slight	9.48	21.4	46.0	1.87	24.56	0.29	173	0.6	< 0.5	27	476	1	8	7	74	1.22	57	< 10	34	< 0.5	< 2	1.83
1318019030	Slight	9.35	36.6	54.1	3.09	17.47	0.29	41	0.3	< 0.5	26	485	1	8	7	60	1.19	47	< 10	31	< 0.5	< 2	2.04
1431034079	Slight	8.95	55.6	82.8	3.05	27.17	0.91	53	0.6	< 0.5	120	1690	< 1	55	< 2	229	1.87	21	< 10	24	< 0.5	< 2	3.32
1432078032	Slight	9.09	-17.3	46.3	0.728	63.68	0.74	287	2.7	2.6	49	1190	1	12	41	846	0.84	109	< 10	22	< 0.5	< 2	1.20
1431034233	Slight	8.94	78.9	90.7	7.69	11.80	0.50	64	0.8	3.0	74	1420	< 1	73	3	892	2.40	7	< 10	36	< 0.5	< 2	3.10
1431034001	Slight	9.00	82.2	91.8	9.53	9.63	0.60	< 5	0.4	< 0.5	71	963	< 1	47	< 2	115	1.81	12	< 10	22	< 0.5	2	3.93
1431034122	Slight	9.03	73.6	80.0	12.5	6.38	0.37	9	< 0.2	< 0.5	45	883	< 1	38	4	127	1.46	17	< 10	21	< 0.5	< 2	3.09
1431034131	Slight	8.95	83.3	93.7	9.01	10.40	0.92	38	0.5	8.2	70	1580	< 1	80	< 2	2410	2.25	9	< 10	36	< 0.5	< 2	3.34
1431040051	Slight	9.09	-24.6	41.3	0.627	65.89	0.54	387	5.0	0.7	67	839	1	12	114	201	0.71	49	< 10	24	< 0.5	< 2	1.10
1317040010	Slight	8.53	-22.0	50.2	0.695	72.18	0.74	75	2.5	1.2	137	1250	8	16	63	366	1.33	74	< 10	26	< 0.5	< 2	2.08
1317040046	Slight	9.56	6.63	41.4	1.19	34.78	0.47	58	0.4	< 0.5	42	1070	1	17	18	191	2.21	35	< 10	57	0.6	< 2	2.08
1431040205	Slight	9.33	-5.65	49.8	0.898	55.46	0.46	360	0.8	1.2	32	1140	1	11	67	343	0.94	29	< 10	22	< 0.5	< 2	1.32
1431040146	None	9.62	-15.8	32.6	0.674	48.37	0.48	311	1.6	2.3	33	643	< 1	8	88	636	0.67	43	< 10	27	< 0.5	< 2	0.92
1431034014	Slight	9.67	38.1	73.6	2.07	35.52	0.67	54	1.2	1.6	38	799	< 1	13	< 2	529	1.09	11	< 10	32	< 0.5	< 2	2.10
1431034040	Slight	9.40	45.2	87.5	2.07	42.30	1.29	36	0.9	1.6	125	1640	< 1	67	< 2	549	2.32	22	< 10	19	< 0.5	< 2	3.86
1317037090	Slight	10.0	15.5	30.8	2.02	15.29	0.28	35	< 0.2	< 0.5	40	652	2	118	22	121	2.00	4	< 10	113	< 0.5	< 2	1.48
1318019005	Slight	9.94	33.2	45.6	3.67	12.42	0.25	33	< 0.2	< 0.5	13	484	< 1	9	6	61	1.31	38	< 10	31	< 0.5	< 2	1.85
1431034297	Slight	9.41	57.0	75.0	4.17	18.00	0.49	39	0.5	2.8	82	1290	< 1	61	3	478	2.37	11	< 10	21	< 0.5	2	2.32
1431040174	Slight	9.30	-8.65	39.4	0.820	48.01	0.49	437	3.1	4.0	86	994	1	8	228	1000	0.89	49	< 10	23	< 0.5	< 2	1.31
1317040085	Slight	9.46	-16.6	21.2	0.560	37.81	0.52	92	1.2	1.9	162	510	3	13	13	450	1.41	29	< 10	36	< 0.5	< 2	1.18
1317040167	Slight	9.59	29.9	47.0	2.75	17.07	0.40	136	0.3	0.6	26	632	< 1	18	14	182	1.37	60	< 10	39	< 0.5	< 2	2.03
1431034015	Slight	9.62	43.4	62.5	3.27	19.10	0.38	12	0.3	0.6	26	628	< 1	19	14	184	1.38	62	< 10	39	< 0.5	< 2	2.01
1431034114	Slight	9.52	86.3	98.1	8.30	11.81	0.65	21	0.3	1.3	88	1470	< 1	58	< 2	434	2.23	12	< 10	20	< 0.5	4	3.97
F013532								995															
STUG22-3245	Slight	8.88	-50.0	11.4	0.186	61.36	0.43	1360	12.3	1.8	61	338	1	18	178	547	0.63	42	< 10	27	< 0.5	< 2	0.49
1317039303	Slight	9.14	-93.4	12.6	0.119	106.01	1.52	920	4.3	20.2	76	1050	< 1	18	462	4450	1.94	220	< 10	15	< 0.5	3	0.39
1431040069	Slight	9.60	-14.5	45.4	0.758	59.88	0.58	112	6.4	3.5	27	576	< 1	11	34	873	1.30	206	< 10	24	< 0.5	2	1.18
1317038025	None	9.26	-51.3	11.7	0.186	63.06	0.43	82	1.3	< 0.5	30	339	< 1	12	15	142	1.18	34	< 10	27	< 0.5	< 2	0.63
1317040108	None	9.46	2.32	23.0	1.11	20.68	0.27	50	0.3	0.7	81	627	< 1	39	5	190	3.72	20	10	21	< 0.5	< 2	2.18
1317038437	None	9.08	-40.8	12.5	0.234	53.32	0.43	510	2.2	0.7	60	382	2	13	59	237	1.61	40	< 10	37	< 0.5	< 2	0.63
DUG22-4214	Slight	9.58	27.0	59.5	1.83	32.49	0.47	60	2.7	0.5	59	2120	2	5	100	237	1.43	10	< 10	16	< 0.5	< 2	2.16
DUG22-4171	Slight	9.78	-34.8	12.2	0.259	47.01	0.40	30	0.5	< 0.5	26	381	1	18	12	109	1.86	9	< 10	30	< 0.5	< 2	0.89
1431040223	Slight	9.60	13.2	78.3	1.20	65.09	0.51	316	2.7	1.0	56	1440	< 1	14	57	294	0.95	62	< 10	22	< 0.5	< 2	1.98
DUG22-4266	Slight	9.80	-13.6	24.1	0.640	37.68	0.61	110	2.1	< 0.5	44	885	2	11	46	136	1.47	17	< 10	39	< 0.5	< 2	1.24
1317038004	Slight	9.30	-10.5	32.1	0.753	42.60	0.43	183	0.7	1.1	35	961	< 1	44	87	392	1.36	31	< 10	39	< 0.5	< 2	1.57

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1317039018	Slight	9.09	-64.0	27.7	0.302	91.72	1.16	1050	20.8	7.5	861	750	< 1	57	74	1670	1.75	358	< 10	27	< 0.5	6	1.00
1317034117	Slight	9.02	-65.3	21.1	0.244	86.48	0.73	1590	1.4	4.0	171	605	< 1	7	57	1070	1.22	163	< 10	27	< 0.5	< 2	0.90
CUG22-2648	None	9.52	-51.7	3.46	0.0627	55.15	0.33	52	2.6	< 0.5	9	241	1	18	69	116	0.48	10	< 10	29	< 0.5	< 2	0.11
1317038451	Slight	9.17	-18.9	37.7	0.665	56.63	0.52	46	3.2	< 0.5	23	511	< 1	37	24	291	1.07	16	< 10	27	< 0.5	< 2	1.83
1317040109	Slight	9.29	-69.3	16.7	0.194	86.00	0.80	171	1.2	2.2	116	626	< 1	32	15	615	2.16	44	< 10	35	< 0.5	3	0.72
1431040732	Slight	9.19	-53.2	18.3	0.256	71.42	0.51	522	6.3	1.1	38	415	< 1	11	59	306	0.55	80	< 10	19	< 0.5	4	0.52
1317034031	Slight	9.61	-38.7	23.2	0.375	61.85	0.57	303	1.4	4.0	68	562	< 1	18	16	994	0.78	110	< 10	23	< 0.5	< 2	0.91
1431040005	Slight	9.85	-32.0	41.1	0.563	73.08	0.55	349	6.8	0.9	89	667	2	13	62	273	0.74	85	< 10	27	< 0.5	< 2	1.03
F013537								998															
1317041156	Slight	9.65	-17.4	34.1	0.662	51.59	0.47	382	2.6	< 0.5	18	1100	< 1	17	52	191	1.76	74	< 10	22	< 0.5	< 2	1.63
1430010071	Slight	9.67	91.3	117	4.51	26.01	0.48	26	< 0.2	< 0.5	88	774	< 1	23	< 2	49	1.86	< 2	< 10	70	< 0.5	< 2	3.26
1317031155	Slight	9.82	39.2	56.0	3.32	16.86	0.27	45	< 0.2	< 0.5	11	577	< 1	11	15	87	1.54	30	< 10	37	< 0.5	< 2	2.09
1430010013	Slight	9.48	4.73	71.3	1.07	66.54	0.79	96	0.3	< 0.5	250	674	2	41	< 2	84	2.20	2	< 10	30	< 0.5	< 2	2.39
1430010073	Slight	9.60	32.6	93.3	1.54	60.68	0.69	42	< 0.2	< 0.5	176	665	2	21	3	48	1.61	3	< 10	44	< 0.5	< 2	3.00
1317043242	Slight	9.76	-0.878	62.5	0.986	63.36	0.65	282	1.7	4.0	37	1200	< 1	10	42	951	0.78	143	< 10	27	< 0.5	< 2	1.84
143104123	Slight	9.76	1.83	14.7	1.14	12.88	0.19	84	0.4	< 0.5	37	357	< 1	19	9	133	1.18	10	< 10	35	< 0.5	< 2	0.80
1430014001	Slight	9.90	45.2	84.2	2.16	39.03	0.40	23	< 0.2	< 0.5	8	691	< 1	30	3	56	1.25	4	< 10	37	< 0.5	< 2	2.57
1430014078	Slight	8.85	26.6	148	1.22	121.39	8.73	86	0.3	< 0.5	92	1110	< 1	61	< 2	71	1.84	8	< 10	14	< 0.5	2	3.15
1430014066	Slight	9.82	-4.52	46.1	0.911	50.67	0.51	20	< 0.2	< 0.5	11	246	2	9	< 2	23	1.22	3	< 10	32	< 0.5	< 2	1.61
1317043029	Slight	9.54	4.11	64.1	1.07	59.96	0.71	310	2.7	2.8	69	1080	1	9	81	631	1.17	56	< 10	31	< 0.5	< 2	2.26
1317030037	Slight	9.33	-50.9	16.0	0.240	66.89	0.88	1770	3.0	9.8	91	591	< 1	5	77	2820	0.99	69	< 10	23	< 0.5	< 2	0.65
1317041201	Slight	9.83	-1.22	48.7	0.976	49.88	0.55	43	0.6	< 0.5	29	1200	< 1	11	13	83	1.25	52	< 10	26	< 0.5	< 2	2.75
1317051009	Slight	9.70	35.1	79.4	1.79	44.29	0.66	409	1.7	3.1	136	1570	1	14	522	823	1.30	26	< 10	41	< 0.5	< 2	2.68
143104200	Slight	9.73	13.9	26.1	2.13	12.26	0.41	70	0.4	1.6	33	1070	< 1	25	7	543	1.56	10	< 10	27	< 0.5	< 2	0.95
1317033024	Slight	9.77	-7.78	34.0	0.814	41.76	0.53	290	0.9	1.5	39	769	< 1	14	45	444	1.90	54	< 10	36	< 0.5	< 2	1.60
1317041093	Slight	9.48	-6.65	61.6	0.903	68.25	0.76	180	4.8	< 0.5	33	1310	< 1	13	56	165	1.16	78	< 10	23	< 0.5	< 2	2.27
STUG22-3591	None	9.55	-41.8	28.7	0.407	70.46	0.50	84	2.0	< 0.5	35	586	< 1	6	59	138	0.85	27	< 10	28	< 0.5	< 2	0.09
1430010044	Slight	9.81	36.5	72.8	2.01	36.29	0.50	13	< 0.2	< 0.5	76	518	1	18	< 2	39	1.71	< 2	< 10	55	< 0.5	< 2	2.54
1317041108	Slight	9.76	17.4	55.6	1.45	38.23	0.45	49	1.1	0.6	26	1170	< 1	12	15	180	2.08	61	< 10	30	< 0.5	< 2	2.52
1430014032	Slight	9.41	56.7	104	2.19	47.70	0.76	31	< 0.2	< 0.5	37	981	1	48	2	73	2.79	7	< 10	37	< 0.5	3	3.40
1430014027	Slight	8.84	-55.6	118	0.679	173.16	7.51	46	< 0.2	< 0.5	132	934	< 1	60	< 2	75	2.10	6	< 10	12	< 0.5	3	2.91
1430014127	Slight	8.64	-78.9	111	0.585	190.28	6.69	162	0.4	< 0.5	108	957	< 1	56	< 2	60	1.87	8	< 10	14	< 0.5	< 2	2.43
1430014110	Slight	9.82	21.0	52.1	1.67	31.11	0.45	21	< 0.2	< 0.5	38	318	1	12	< 2	26	1.48	3	< 10	44	< 0.5	< 2	1.99
1430014016	Slight	9.37	-15.2	111	0.879	126.25	5.66	51	0.2	< 0.5	111	936	< 1	51	< 2	71	2.15	7	< 10	19	< 0.5	3	2.07
F013779								> 5000															
F013784								> 5000															

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GC22-0622-015	10	5	2.23	< 10	< 1	0.13	< 10	0.90	0.046	0.044	2.30	< 2	< 1	36	< 0.01	< 1	< 2	< 10	5	< 10	1	8	0.64
GC22-0774-016	39	41	10.3	10	< 1	0.03	< 10	2.69	0.025	0.038	0.98	4	22	56	0.09	< 1	< 2	< 10	515	< 10	6	4	2.07
GC22-0776-021	56	178	8.99	10	< 1	< 0.01	< 10	4.18	0.023	0.038	0.26	5	14	28	0.06	< 1	< 2	< 10	166	< 10	7	4	1.16
GC22-0723-015	40	53	10.5	< 10	< 1	0.09	< 10	2.60	0.016	0.055	6.91	4	9	48	< 0.01	2	< 2	< 10	94	< 10	4	6	1.32
GC22-0777-012	34	138	7.83	< 10	< 1	0.05	< 10	2.27	0.106	0.043	3.92	3	6	35	0.06	3	< 2	< 10	160	< 10	5	7	1.39
GC22-0659-016	21	14	5.93	< 10	< 1	0.12	< 10	1.00	0.037	0.059	4.00	3	2	15	< 0.01	3	< 2	< 10	22	< 10	3	12	0.51
GC22-0724-018	50	38	11.1	< 10	< 1	0.07	< 10	1.33	0.027	0.067	9.04	5	8	12	< 0.01	< 1	< 2	< 10	72	< 10	4	8	0.45
1318015152	35	39	7.85	< 10	1	0.43	12	1.12	0.111	0.071	2.59	3	7	47	0.21	4	< 2	< 10	178	< 10	7	13	0.47
1318015001	9	11	2.45	< 10	< 1	0.32	23	0.77	0.041	0.065	0.88	< 2	2	36	0.07	2	< 2	< 10	21	< 10	3	20	0.72
GC22-0776-008	42	2	10.6	10	< 1	0.08	< 10	2.83	0.058	0.048	5.02	4	14	62	0.14	2	< 2	< 10	323	< 10	6	6	2.15
1318015174	13	11	2.79	< 10	< 1	0.28	21	0.98	0.054	0.060	1.30	< 2	2	58	0.06	< 1	< 2	< 10	25	< 10	4	19	0.85
1317035149	14	4	1.37	< 10	< 1	0.16	11	0.15	0.016	0.042	1.43	< 2	< 1	32	< 0.01	< 1	< 2	< 10	2	< 10	1	11	0.75
1431030023	9	17	2.12	< 10	< 1	0.08	< 10	0.82	0.057	0.043	1.47	< 2	1	48	0.02	3	< 2	< 10	13	< 10	2	8	0.82
F013552																							
1311003057	11	30	3.84	< 10	< 1	0.11	12	2.83	0.074	0.042	2.44	3	1	48	< 0.01	1	< 2	< 10	14	< 10	3	22	0.28
1431030104	11	10	2.25	< 10	< 1	0.08	20	0.96	0.034	0.067	0.94	< 2	1	60	< 0.01	2	< 2	< 10	15	< 10	2	9	0.72
1431030119	11	77	2.33	< 10	< 1	0.07	15	0.87	0.038	0.054	1.08	< 2	1	45	< 0.01	1	< 2	< 10	13	< 10	2	8	0.60
1431030064	10	5	2.26	< 10	< 1	0.11	11	0.93	0.065	0.050	2.01	< 2	< 1	59	< 0.01	< 1	< 2	< 10	5	< 10	3	9	1.26
1318017058	7	79	1.83	< 10	< 1	0.28	19	0.74	0.042	0.051	0.04	< 2	1	54	0.07	2	< 2	< 10	19	< 10	3	19	0.47
1318017063	6	9	1.89	< 10	< 1	0.14	14	0.66	0.037	0.040	0.57	2	1	27	0.05	3	< 2	< 10	13	< 10	3	13	0.56
1318017085	6	7	1.76	< 10	< 1	0.18	13	0.72	0.063	0.040	0.33	< 2	1	45	0.02	1	< 2	< 10	12	< 10	3	11	0.72
1318018050	7	10	1.98	< 10	< 1	0.14	14	0.65	0.047	0.039	0.40	2	1	26	0.03	1	< 2	< 10	16	< 10	3	11	0.58
1318018041	8	188	2.32	< 10	< 1	0.07	13	0.70	0.044	0.040	0.68	2	1	26	0.01	< 1	< 2	< 10	16	< 10	3	9	0.59
1432078006	8	3	1.94	< 10	< 1	0.13	< 10	0.97	0.031	0.034	1.72	2	< 1	34	< 0.01	3	< 2	< 10	4	< 10	1	7	0.89
1311003608	13	11	3.96	< 10	< 1	0.11	11	2.25	0.023	0.042	2.54	< 2	2	31	< 0.01	2	< 2	< 10	20	< 10	3	20	0.48
1318017057	7	10	1.83	< 10	< 1	0.27	14	0.75	0.046	0.041	0.26	< 2	1	32	0.07	2	< 2	< 10	16	< 10	3	16	0.48
1318017081	7	8	1.72	< 10	< 1	0.13	13	0.62	0.042	0.040	0.36	< 2	1	34	0.02	2	< 2	< 10	12	< 10	3	11	0.71
1318018102	7	106	1.90	< 10	< 1	0.11	14	0.73	0.110	0.042	0.29	< 2	2	86	0.03	< 1	< 2	< 10	18	< 10	3	9	0.48
1318018083	7	12	2.02	< 10	< 1	0.08	13	0.77	0.114	0.040	0.38	< 2	2	84	0.02	< 1	< 2	< 10	18	< 10	3	9	0.50
1318017067	14	11	2.91	< 10	< 1	0.20	27	1.19	0.045	0.076	0.35	< 2	3	285	0.04	< 1	< 2	< 10	37	< 10	5	16	1.11
1311004047	7	47	3.51	< 10	< 1	0.17	13	0.78	0.133	0.038	2.93	2	< 1	60	0.01	< 1	< 2	< 10	7	< 10	2	19	0.14
1432078038	9	7	0.81	< 10	< 1	0.03	< 10	0.06	0.013	0.048	0.54	< 2	< 1	15	< 0.01	< 1	< 2	< 10	3	11	1	10	0.13
1432078087	8	6	2.21	< 10	< 1	0.13	< 10	0.91	0.033	0.043	1.98	2	< 1	46	< 0.01	5	< 2	< 10	6	< 10	1	8	0.64
1431030067	9	94	1.64	< 10	< 1	0.10	12	0.61	0.047	0.038	0.64	< 2	< 1	44	< 0.01	2	< 2	< 10	7	< 10	2	5	0.71
1311004111	9	10	3.48	< 10	< 1	0.21	20	1.12	0.075	0.050	1.20	< 2	1	75	0.03	3	< 2	< 10	15	< 10	3	18	0.20
1311004071	10	7	3.95	< 10	< 1	0.16	11	1.04	0.149	0.035	2.94	< 2	< 1	83	0.01	< 1	< 2	< 10	10	< 10	2	20	0.09
F013558																							
1317031037	7	111	1.79	< 10	< 1	0.14	12	0.81	0.151	0.037	0.68	2	< 1	93	0.01	< 1	< 2	< 10	10	< 10	2	11	0.26
1317031041	8	5	1.86	< 10	< 1	0.17	13	0.60	0.110	0.040	1.22	< 2	< 1	58	0.01	< 1	< 2	< 10	7	< 10	3	15	0.68
1317031064	11	4	2.85	< 10	< 1	0.19	22	0.82	0.094	0.056	2.30	2	< 1	77	< 0.01	< 1	< 2	< 10	8	< 10	3	19	0.49
STUG22-3394	8	6	2.10	< 10	< 1	0.35	< 10	0.59	0.060	0.038	2.08	8	< 1	28	0.03	< 1	< 2	< 10	8	< 10	2	13	0.03
1317030072	9	107	2.42	< 10	< 1	0.18	19	1.06	0.096	0.050	1.33	< 2	1	77	0.04	2	< 2	< 10	15	< 10	3	18	0.30
1317033055	7	10	2.16	< 10	< 1	0.16	15	0.84	0.096	0.039	1.73	< 2	< 1	44	< 0.01	1	< 2	< 10	8	< 10	2	24	0.22
1317030076	12	19	2.91	< 10	< 1	0.23	13	0.92	0.055	0.051	0.94	2	2	60	0.06	< 1	< 2	< 10	35	< 10	4	15	0.73
1311006044	6	4	1.64	< 10	< 1	0.06	< 10	0.67	0.165	0.035	0.94	< 2	< 1	95	< 0.01	< 1	< 2	< 10	7	< 10	2	10	0.08
1317031001	10	5	2.66	< 10	< 1	0.13	19	0.96	0.076	0.055	1.63	< 2	< 1	53	< 0.01	< 1	< 2	< 10	10	< 10	3	18	0.24
1317033088	8	8	1.57	< 10	< 1	0.17	15	0.79	0.034	0.039	1.19	< 2	< 1	28	< 0.01	< 1	< 2	< 10	5	< 10	2	18	0.60
1317033060	7	5	1.98	< 10	< 1	0.19	12	0.71	0.038	0.039	1.47	2	< 1	37	< 0.01	< 1	< 2	< 10	8	< 10	2	18	0.73
1317030043	9	7	2.49	< 10	< 1	0.18	20	1.10	0.100	0.053	1.05	< 2	2	66	0.07	2	< 2	< 10	20	< 10	3	17	0.38
1317042012	8	4	2.09	< 10	< 1	0.18	11	0.75	0.101	0.041	2.04	< 2	< 1	35	< 0.01	2	< 2	< 10	5	< 10	2	20	0.50
1317033073	7	77	1.84	< 10	< 1	0.14	15	1.03	0.113	0.038	1.36	< 2	< 1	47	< 0.01	< 1	< 2	< 10	6	< 10	2	18	0.34

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1317030092	9	63	2.18	< 10	< 1	0.16	18	0.68	0.050	0.051	1.07	< 2	< 1	29	< 0.01	< 1	< 2	< 10	8	< 10	3	16	0.32
1317030098	9	4	2.98	< 10	< 1	0.20	19	0.88	0.044	0.052	2.34	3	< 1	29	< 0.01	< 1	< 2	< 10	8	< 10	2	21	0.15
1317029034	7	160	1.90	< 10	< 1	0.13	15	1.03	0.101	0.037	0.91	2	< 1	49	0.01	< 1	< 2	< 10	10	< 10	2	14	0.40
1317042071	12	4	2.79	< 10	< 1	0.19	15	0.74	0.024	0.055	2.82	< 2	< 1	28	< 0.01	2	< 2	< 10	5	< 10	3	22	0.93
1317042039	13	99	2.22	< 10	< 1	0.32	17	1.38	0.110	0.062	1.45	2	2	96	0.06	< 1	< 2	< 10	21	< 10	3	16	0.71
1317039019	13	88	4.12	< 10	< 1	0.15	13	2.01	0.017	0.050	2.68	3	1	14	0.02	1	< 2	< 10	18	< 10	2	13	0.21
1317031093	9	8	2.32	< 10	< 1	0.14	18	1.12	0.095	0.053	0.95	< 2	1	80	0.05	< 1	< 2	< 10	16	< 10	3	15	0.31
F013525																							
1430012003	13	10	3.46	< 10	< 1	0.07	17	1.61	0.055	0.056	2.38	< 2	2	54	< 0.01	3	< 2	< 10	15	< 10	3	13	1.30
1430012048	11	5	2.45	< 10	< 1	0.09	15	0.94	0.056	0.052	2.08	< 2	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	2	14	0.21
1431034117	34	147	6.19	< 10	< 1	0.04	< 10	2.86	0.049	0.023	0.34	4	15	49	< 0.01	< 1	< 2	< 10	94	< 10	2	3	3.24
1317040170	7	124	1.39	< 10	< 1	0.19	15	0.55	0.120	0.038	0.32	< 2	< 1	120	0.04	1	< 2	< 10	9	< 10	2	12	0.52
1318019019	7	5	1.69	< 10	< 1	0.15	11	0.57	0.066	0.037	0.86	< 2	< 1	34	< 0.01	2	< 2	< 10	6	< 10	2	9	0.64
1318019030	7	4	1.62	< 10	< 1	0.14	11	0.60	0.053	0.035	0.65	< 2	< 1	34	< 0.01	2	< 2	< 10	5	< 10	2	7	0.73
1431034079	28	75	4.89	< 10	< 1	0.11	< 10	2.37	0.041	0.034	1.16	3	6	39	< 0.01	2	< 2	< 10	40	< 10	2	5	2.43
1432078032	9	4	2.57	< 10	< 1	0.13	< 10	0.90	0.026	0.040	2.26	5	< 1	34	< 0.01	< 1	< 2	< 10	5	< 10	1	9	0.40
1431034233	21	141	4.10	< 10	< 1	0.13	< 10	2.34	0.019	0.050	0.50	3	5	59	< 0.01	< 1	< 2	< 10	41	< 10	3	7	1.64
1431034001	23	73	4.42	< 10	< 1	0.11	< 10	2.09	0.053	0.030	0.48	2	7	46	< 0.01	< 1	< 2	< 10	45	< 10	2	5	2.78
1431034122	15	48	3.06	< 10	< 1	0.11	< 10	1.77	0.029	0.045	0.33	< 2	2	36	< 0.01	4	< 2	< 10	15	< 10	2	5	1.88
1431034131	21	151	4.07	< 10	< 1	0.12	< 10	2.20	0.021	0.050	0.71	3	5	71	< 0.01	< 1	< 2	< 10	33	< 10	3	7	1.64
1431040051	10	4	2.37	< 10	< 1	0.15	< 10	0.70	0.023	0.040	2.38	8	< 1	30	< 0.01	2	< 2	< 10	4	< 10	1	14	0.59
1317040010	11	6	2.58	< 10	< 1	0.20	18	0.90	0.064	0.046	2.63	3	< 1	26	< 0.01	3	< 2	< 10	7	< 10	3	24	0.71
1317040046	10	38	2.45	< 10	< 1	0.42	20	1.58	0.085	0.085	1.19	< 2	3	93	0.10	2	< 2	< 10	27	< 10	5	16	0.62
1431040205	9	4	2.22	< 10	< 1	0.10	< 10	0.80	0.027	0.038	2.00	3	< 1	38	< 0.01	< 1	< 2	< 10	4	< 10	1	10	0.67
1431040146	8	4	1.85	< 10	< 1	0.14	< 10	0.49	0.025	0.038	1.74	3	< 1	30	< 0.01	< 1	< 2	< 10	3	< 10	< 1	10	0.44
1431034014	10	5	2.54	< 10	< 1	0.13	< 10	1.21	0.060	0.058	1.33	< 2	1	39	< 0.01	1	< 2	< 10	7	< 10	2	12	1.26
1431034040	33	111	6.20	< 10	< 1	0.09	< 10	2.90	0.047	0.026	1.65	4	9	49	< 0.01	< 1	< 2	< 10	62	< 10	2	5	2.82
1317037090	23	303	2.38	< 10	< 1	0.53	13	1.79	0.065	0.043	0.61	2	4	84	0.13	2	< 2	< 10	38	< 10	3	13	0.34
1318019005	7	6	1.74	< 10	< 1	0.13	12	0.65	0.057	0.037	0.41	< 2	< 1	32	< 0.01	< 1	< 2	< 10	7	< 10	2	9	0.62
1431034297	23	169	4.72	< 10	< 1	0.07	< 10	1.81	0.062	0.031	0.75	4	8	41	0.06	< 1	< 2	< 10	78	< 10	4	6	1.13
1431040174	6	6	1.80	< 10	< 1	0.10	< 10	0.54	0.025	0.030	1.64	7	< 1	32	< 0.01	1	< 2	< 10	4	< 10	1	9	0.49
1317040085	9	138	1.97	< 10	< 1	0.20	15	0.63	0.098	0.039	1.45	3	< 1	52	0.02	3	< 2	< 10	8	< 10	2	20	0.31
1317040167	9	57	1.70	< 10	< 1	0.19	17	0.67	0.078	0.046	0.66	< 2	1	70	0.04	2	< 2	< 10	12	< 10	2	12	0.64
1431034015	9	57	1.70	< 10	< 1	0.19	16	0.67	0.079	0.046	0.66	< 2	1	70	0.04	< 1	< 2	< 10	12	< 10	2	9	1.03
1431034114	28	99	5.55	< 10	1	0.08	< 10	2.49	0.044	0.032	0.55	4	9	44	< 0.01	< 1	< 2	< 10	61	< 10	2	6	2.92
F013532																							
STUG22-3245	8	264	2.09	< 10	< 1	0.17	13	0.29	0.025	0.036	2.12	12	< 1	14	< 0.01	< 1	< 2	< 10	4	< 10	1	12	0.10
1317039303	10	8	4.49	< 10	< 1	0.18	14	1.85	0.015	0.051	3.76	3	< 1	6	< 0.01	2	< 2	< 10	12	< 10	1	14	0.11
1431040069	10	129	3.17	< 10	< 1	0.11	< 10	1.21	0.037	0.046	2.04	4	< 1	30	< 0.01	2	< 2	< 10	5	< 10	1	10	0.63
1317038025	10	6	2.57	< 10	< 1	0.19	17	0.43	0.030	0.049	2.18	2	< 1	26	0.01	< 1	< 2	< 10	7	< 10	2	28	0.11
1317040108	21	70	3.87	< 10	< 1	0.14	< 10	2.22	0.274	0.027	0.71	3	9	57	0.18	4	< 2	< 10	88	< 10	3	12	0.21
1317038437	12	8	2.64	< 10	< 1	0.22	16	0.50	0.045	0.049	1.89	< 2	< 1	30	< 0.01	< 1	< 2	< 10	9	< 10	2	20	0.11
DUG22-4214	7	14	2.15	< 10	< 1	0.11	< 10	1.40	0.021	0.053	1.19	2	2	27	0.01	2	< 2	< 10	15	< 10	2	11	0.68
DUG22-4171	10	211	2.28	< 10	< 1	0.13	18	0.82	0.127	0.049	1.71	3	< 1	81	< 0.01	2	< 2	< 10	10	< 10	3	17	0.08
1431040223	9	112	2.39	< 10	< 1	0.12	< 10	1.28	0.025	0.045	2.29	7	< 1	50	< 0.01	2	< 2	< 10	5	< 10	2	14	1.07
DUG22-4266	8	9	2.19	< 10	< 1	0.24	10	0.86	0.035	0.041	1.39	< 2	< 1	26	0.05	< 1	< 2	< 10	10	< 10	2	11	0.25
1317038004	15	210	2.36	< 10	< 1	0.17	17	1.04	0.023	0.051	1.50	3	2	35	0.06	< 1	< 2	< 10	19	< 10	2	21	0.42
1317039018	16	220	4.46	< 10	< 1	0.18	15	1.65	0.034	0.056	3.34	11	2	23	0.03	2	< 2	< 10	27	< 10	2	16	0.31
1317034117	7	5	3.62	< 10	< 1	0.21	14	0.79	0.014	0.036	3.06	3	< 1	21	< 0.01	< 1	< 2	< 10	6	< 10	2	25	0.30
CUG22-2648	11	270	1.98	< 10	< 1	0.16	< 10	0.16	0.022	0.042	2.00	5	< 1	8	< 0.01	3	< 2	< 10	3	< 10	1	7	< 0.01
1317038451	14	163	2.26	< 10	< 1	0.18	19	0.58	0.051	0.102	1.95	3	2	60	0.05	< 1	< 2	< 10	14	< 10	3	12	0.41

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1317040109	12	92	4.22	< 10	< 1	0.39	17	1.57	0.038	0.050	3.00	2	2	18	0.03	< 1	< 2	< 10	21	< 10	3	27	0.19
1431040732	8	4	2.39	< 10	< 1	0.12	< 10	0.42	0.024	0.036	2.44	5	< 1	18	< 0.01	< 1	< 2	< 10	3	< 10	< 1	8	0.30
1317034031	13	4	2.27	< 10	< 1	0.22	14	0.36	0.019	0.040	2.27	3	< 1	17	< 0.01	< 1	< 2	< 10	4	< 10	1	22	0.31
1431040005	11	4	2.55	< 10	< 1	0.15	< 10	0.73	0.045	0.046	2.61	12	< 1	38	< 0.01	< 1	< 2	< 10	4	< 10	1	13	0.60
F013537																							
1317041156	10	7	2.14	< 10	< 1	0.41	17	1.14	0.066	0.051	1.88	5	1	21	0.02	2	< 2	< 10	12	< 10	2	21	0.41
1430010071	12	13	3.14	< 10	< 1	0.08	18	1.83	0.075	0.059	1.03	< 2	2	76	< 0.01	< 1	< 2	< 10	19	< 10	3	10	1.69
1317031155	7	9	1.72	< 10	< 1	0.15	11	1.13	0.037	0.035	0.60	< 2	< 1	38	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.70
1430010013	20	23	3.90	< 10	< 1	0.06	15	1.70	0.065	0.056	2.35	< 2	3	61	< 0.01	2	< 2	< 10	27	< 10	4	16	0.87
1430010073	14	9	3.13	< 10	< 1	0.10	15	1.28	0.048	0.053	2.11	2	1	57	< 0.01	3	< 2	< 10	13	< 10	4	16	1.23
1317043242	9	3	2.57	< 10	< 1	0.24	11	0.72	0.018	0.044	2.34	3	< 1	41	< 0.01	< 1	< 2	< 10	4	< 10	2	20	0.83
143104123	12	30	2.17	< 10	< 1	0.12	< 10	0.68	0.059	0.043	0.44	< 2	3	36	0.13	3	< 2	< 10	37	< 10	4	9	0.14
1430014001	11	86	2.29	< 10	< 1	0.11	18	1.27	0.050	0.061	1.38	2	< 1	40	< 0.01	2	< 2	< 10	9	< 10	3	14	1.15
1430014078	38	33	7.46	< 10	1	0.09	< 10	1.71	0.082	0.052	5.42	3	7	50	< 0.01	< 1	< 2	< 10	59	< 10	8	6	2.23
1430014066	8	7	2.03	< 10	< 1	0.10	13	0.86	0.083	0.040	1.74	< 2	< 1	53	< 0.01	< 1	< 2	< 10	7	< 10	2	10	0.60
1317043029	8	6	2.55	< 10	< 1	0.22	< 10	0.80	0.027	0.039	2.12	7	< 1	48	< 0.01	< 1	< 2	< 10	6	< 10	2	16	0.92
1317030037	7	3	3.00	< 10	< 1	0.15	15	0.66	0.013	0.039	2.50	< 2	< 1	15	< 0.01	1	< 2	< 10	5	< 10	2	26	0.18
1317041201	8	4	2.01	< 10	< 1	0.18	13	0.79	0.043	0.041	1.70	< 2	< 1	33	< 0.01	< 1	< 2	< 10	6	< 10	3	15	0.95
1317051009	9	12	2.06	< 10	< 1	0.23	12	1.05	0.023	0.045	1.58	3	< 1	56	< 0.01	1	< 2	< 10	7	< 10	2	13	1.01
143104200	11	103	2.90	< 10	< 1	0.09	< 10	1.05	0.039	0.040	0.49	2	3	23	0.07	< 1	< 2	< 10	34	< 10	3	7	0.35
1317033024	9	8	2.19	< 10	< 1	0.21	15	0.94	0.119	0.046	1.48	2	1	68	0.01	< 1	< 2	< 10	12	< 10	2	17	0.41
1317041093	9	4	2.33	< 10	< 1	0.17	16	0.95	0.028	0.044	2.47	3	< 1	20	< 0.01	1	< 2	< 10	7	< 10	3	19	0.78
STUG22-3591	8	4	2.05	< 10	< 1	0.23	< 10	0.46	0.022	0.028	2.19	3	< 1	8	< 0.01	2	< 2	< 10	4	< 10	1	8	< 0.01
1430010044	10	121	2.56	< 10	< 1	0.12	17	1.11	0.077	0.044	1.29	3	1	58	< 0.01	1	< 2	< 10	10	< 10	2	14	0.98
1317041108	9	7	2.04	< 10	< 1	0.21	15	0.88	0.170	0.042	1.36	2	< 1	95	0.02	< 1	< 2	< 10	10	< 10	3	15	0.66
1430014032	23	44	5.51	< 10	< 1	0.08	13	1.89	0.050	0.057	1.67	3	7	71	< 0.01	< 1	< 2	< 10	86	< 10	8	12	1.34
1430014027	41	46	8.53	< 10	< 1	0.07	< 10	1.86	0.075	0.053	7.05	4	7	44	< 0.01	1	< 2	< 10	70	< 10	9	7	1.67
1430014127	42	31	8.57	< 10	1	0.10	< 10	1.59	0.088	0.057	7.10	4	6	44	< 0.01	< 1	< 2	< 10	55	< 10	9	9	1.62
1430014110	10	10	2.41	< 10	< 1	0.13	18	0.88	0.077	0.042	1.13	< 2	1	49	< 0.01	< 1	< 2	< 10	10	< 10	3	12	0.70
1430014016	34	32	7.01	< 10	< 1	0.10	12	1.89	0.062	0.064	4.47	2	5	47	< 0.01	1	< 2	< 10	55	< 10	8	17	1.41
F013779																							
F013784																							

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GC22-0622-015	2.28	
GC22-0774-016	1.07	
GC22-0776-021	0.32	
GC22-0723-015	7.68	
GC22-0777-012	4.10	
GC22-0659-016	4.15	
GC22-0724-018	9.17	
1318015152	2.74	
1318015001	0.86	
GC22-0776-008	5.46	
1318015174	1.21	
1317035149	1.42	
1431030023	1.54	
F013552		
1311003057	2.44	
1431030104	0.86	
1431030119	1.11	
1431030064	1.93	
1318017058	0.04	
1318017063	0.59	
1318017085	0.33	
1318018050	0.41	
1318018041	0.72	
1432078006	1.72	
1311003608	2.68	
1318017057	0.29	
1318017081	0.38	
1318018102	0.29	
1318018083	0.42	
1318017067	0.35	
1311004047	3.05	
1432078038	0.53	
1432078087	1.88	
1431030067	0.63	
1311004111	1.20	
1311004071	2.81	
F013558		
1317031037	0.68	
1317031041	1.18	
1317031064	2.20	
STUG22-3394	2.08	
1317030072	1.35	
1317033055	1.75	
1317030076	0.89	
1311006044	1.05	
1317031001	1.63	
1317033088	1.11	
1317033060	1.47	
1317030043	1.05	
1317042012	1.92	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1317033073	1.41	
1317030092	1.11	
1317030098	2.28	
1317029034	0.88	
1317042071	2.83	
1317042039	1.43	
1317039019	2.70	
1317031093	1.07	
F013525		
1430012003	2.49	
1430012048	1.95	
1431034117	0.39	
1317040170	0.34	
1318019019	0.88	
1318019030	0.66	
1431034079	1.16	
1432078032	2.29	
1431034233	0.54	
1431034001	0.51	
1431034122	0.33	
1431034131	0.64	
1431040051	2.29	
1317040010	2.56	
1317040046	1.27	
1431040205	1.94	
1431040146	1.66	
1431034014	1.37	
1431034040	1.79	
1317037090	0.59	
1318019005	0.48	
1431034297	0.74	
1431040174	1.71	
1317040085	1.38	
1317040167	0.68	
1431034015	0.75	
1431034114	0.60	
F013532		
STUG22-3245	1.98	
1317039303	3.90	
1431040069	2.11	
1317038025	2.16	
1317040108	0.75	
1317038437	1.85	
DUG22-4214	1.20	
DUG22-4171	1.64	
1431040223	2.25	
DUG22-4266	1.41	
1317038004	1.48	
1317039018	3.32	
1317034117	3.01	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
CUG22-2648	1.88	
1317038451	1.98	
1317040109	3.02	
1431040732	2.46	
1317034031	2.17	
1431040005	2.55	
F013537		
1317041156	1.81	
1430010071	0.99	
1317031155	0.65	
1430010013	2.39	
1430010073	2.17	
1317043242	2.24	
143104123	0.48	
1430014001	1.40	
1430014078	6.80	
1430014066	1.79	
1317043029	2.16	
1317030037	2.43	
1317041201	1.67	
1317051009	1.64	
143104200	0.53	
1317033024	1.51	
1317041093	2.44	
STUG22-3591	2.40	
1430010044	1.33	
1317041108	1.37	
1430014032	1.78	
1430014027	8.05	
1430014127	8.32	
1430014110	1.14	
1430014016	5.93	
F013779		5.49
F013784		5.59

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas									0.2	< 0.5	67	1050	1	23	97	124	7.10	246	< 10	727	0.9	< 2	0.13
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
GXR-6 Meas									0.2	< 0.5	66	1030	1	22	96	122	6.94	236	< 10	717	0.9	< 2	0.13
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
GXR-6 Meas									0.2	< 0.5	68	1070	1	23	100	128	7.06	248	< 10	727	0.9	< 2	0.13
GXR-6 Cert									1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180
BaSO4 Meas							42.5																
BaSO4 Cert							41.94																
BaSO4 Meas							41.8																
BaSO4 Cert							41.94																
BaSO4 Meas							41.2																
BaSO4 Cert							41.94																
BaSO4 Meas							41.3																
BaSO4 Cert							41.94																
BaSO4 Meas							41.9																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							41.9																
BaSO4 Cert							41.94																
BaSO4 Meas							40.9																
BaSO4 Cert							41.94																
BaSO4 Meas							41.0																
BaSO4 Cert							41.94																
BaSO4 Meas							41.9																
BaSO4 Cert							41.94																
BaSO4 Meas							41.5																
BaSO4 Cert							41.94																
BaSO4 Meas							41.2																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							41.1																
BaSO4 Cert							41.94																
RTS-3a Meas							29.1																
RTS-3a Cert							29.90																
RTS-3a Meas							29.8																
RTS-3a Cert							29.90																
RTS-3a Meas							29.8																
RTS-3a Cert							29.90																
RTS-3a Meas							29.4																
RTS-3a Cert							29.90																
RTS-3a Meas							29.4																
RTS-3a Cert							29.90																
RTS-3a Meas							28.9																
RTS-3a Cert							29.90																
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
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SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas		8.71																					
NBM-1 (slight fzz) Cert		8.53																					
NBM-1 (slight fzz) Meas		8.19																					
NBM-1 (slight fzz) Cert		8.53																					
OREAS 922 (AQUA REGIA) Meas									0.6	< 0.5	2160	745	< 1	33	59	253	2.74	5		69	0.7	5	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2150	741	< 1	33	59	247	2.75	7		70	0.7	9	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2200	766	< 1	33	62	266	2.78	7		68	0.7	8	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Meas									1.4	< 0.5	4300	847	< 1	30	79	323	2.83	5		57	0.6	17	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.3	< 0.5	4320	850	< 1	28	82	322	2.84	7		57	0.6	18	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 923 (AQUA REGIA) Meas									1.3	< 0.5	4240	855	< 1	32	80	338	2.77	6		54	0.6	15	0.36
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas											340	164	< 1	217	9	24	6.82			142	1.0	4	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											333	162	< 1	214	10	23	6.66			141	1.0	2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 45f (Aqua Regia) Meas											342	165	< 1	220	9	24	6.52			145	1.0	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 238 (Fire Assay) Meas								2910															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								2990															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3040															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								2990															
OREAS 238 (Fire Assay) Cert								3030															
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas								493															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								491															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								491															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								493															
Oreas E1336 (Fire Assay) Cert								510															
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
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GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									39.3	160	1800	430	9	13	> 5000	> 10000	1.22	48		< 10	0.6	< 2	1.27
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									39.1	158	1770	427	9	16	> 5000	> 10000	1.21	49		< 10	0.6	< 2	1.27
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									39.4	161	1760	430	9	13	> 5000	> 10000	1.17	50		16	0.6	< 2	1.29
Oreas 620 (Aqua									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert																							
GC22-0622-015 Orig									1.6	< 0.5	9	655	< 1	11	25	71	1.14	11	< 10	27	< 0.5	< 2	1.42
GC22-0622-015 Dup									1.5	< 0.5	9	648	< 1	10	25	69	1.12	11	< 10	26	< 0.5	< 2	1.41
GC22-0723-015 Orig			-168	15.4	0.0840	183.13																	
GC22-0723-015 Dup			-169	14.5	0.0794	183.13																	
1431030064 Orig									< 0.2	< 0.5	206	305	1	12	< 2	24	0.51	3	< 10	28	< 0.5	< 2	2.23
1431030064 Dup									< 0.2	< 0.5	206	307	1	12	< 2	24	0.53	2	< 10	29	< 0.5	< 2	2.24
1318017063 Orig							0.28	207															
1318017063 Dup							0.29	197															
1318018050 Orig																							
1318018050 Dup																							
1311004047 Orig								103															
1311004047 Dup								98															
1432078038 Orig									0.3	< 0.5	23	94	1	10	3	26	0.39	115	< 10	< 10	< 0.5	< 2	0.19
1432078038 Dup									0.5	< 0.5	24	88	1	10	3	24	0.36	131	< 10	< 10	< 0.5	< 2	0.19
1432078087 Orig							0.56																
1432078087 Dup							0.55																
1317030072 Orig								283															
1317030072 Dup								268															
1317033055 Orig							0.46																
1317033055 Dup							0.42																
1317030076 Orig																							
1317030076 Dup																							
1317031001 Orig									1.3	1.7	28	672	< 1	8	34	557	2.30	57	< 10	24	< 0.5	< 2	1.37
1317031001 Dup									0.8	1.7	29	666	< 1	8	33	532	2.28	60	< 10	23	< 0.5	< 2	1.35
1317033060 Orig	Slight		16.6	57.6	1.40	41.04																	
1317033060 Dup	Slight		15.8	56.8	1.38	41.04																	
1317030043 Orig																							
1317030043 Dup																							
1317029034 Orig								296															
1317029034 Dup								301															
1317042039 Orig							0.56																
1317042039 Dup							0.53																
1430012048 Orig									< 0.2	< 0.5	17	462	< 1	10	2	52	1.34	5	< 10	38	< 0.5	< 2	0.60
1430012048 Dup									< 0.2	< 0.5	16	465	< 1	11	3	48	1.35	4	< 10	38	< 0.5	< 2	0.60
1431034079 Orig							0.91																
1431034079 Dup							0.92																
1432078032 Orig								287															
1432078032 Dup								288															
1317040010 Orig		8.53																					
1317040010 Dup		8.55																					
1431040146 Orig																							
1431040146 Dup																							
1317037090 Orig							0.28																
1317037090 Dup							0.30																
1318019005 Orig								33															

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1318019005 Dup								33															
1431040174 Orig																							
1431040174 Dup																							
1317040167 Orig									0.3	0.6	26	632	< 1	18	14	182	1.37	60	< 10	39	< 0.5	< 2	2.03
1317040167 Dup									0.3	0.6	26	629	< 1	19	14	189	1.37	64	< 10	38	< 0.5	< 2	2.00
STUG22-3245 Orig																							
STUG22-3245 Dup																							
1317039303 Orig							1.52																
1317039303 Dup							1.54																
1431040069 Orig								112															
1431040069 Dup								109															
1431040223 Orig	Slight		13.2	78.3	1.20	65.09																	
1431040223 Dup	Slight		12.4	77.5	1.19	65.09																	
1317038004 Orig																							
1317038004 Dup																							
1317039018 Orig									20.8	7.5	861	750	< 1	57	74	1670	1.75	358	< 10	27	< 0.5	6	1.00
1317039018 Dup									18.3	7.5	851	755	< 1	59	74	1650	1.77	371	< 10	26	< 0.5	7	1.00
CUG22-2648 Orig								52															
CUG22-2648 Dup								57															
1317038451 Orig							0.52																
1317038451 Dup							0.50																
1317031155 Orig																							
1317031155 Dup																							
1430010073 Orig							0.69	42															
1430010073 Dup							0.68	42															
1317043242 Orig									1.7	4.0	37	1200	< 1	10	42	951	0.78	143	< 10	27	< 0.5	< 2	1.84
1317043242 Dup									1.5	3.9	38	1150	< 1	9	39	929	0.74	124	< 10	25	< 0.5	< 2	1.78
1317043029 Orig																							
1317043029 Dup																							
1317041201 Orig																							
1317041201 Dup																							
1317041093 Orig								180															
1317041093 Dup								168															
STUG22-3591 Orig							0.43																
STUG22-3591 Dup							0.41																
STUG22-3591 Orig							0.50																
STUG22-3591 Dup							0.44																
1317041108 Orig									1.1	0.6	26	1170	< 1	12	15	180	2.08	61	< 10	30	< 0.5	< 2	2.52
1317041108 Dup									0.9	0.6	26	1170	< 1	12	16	185	2.09	63	< 10	31	< 0.5	< 2	2.52
1430014110 Orig																							
1430014110 Dup																							
1430014016 Orig	Slight	9.37																					
1430014016 Dup	Slight	9.42																					
Method Blank								< 5															

Analyte Symbol	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit		0.01				0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	none	pH Meter	Calc	TITR	Calc	Calc	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank																							
Method Blank																							
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GXR-6 Meas	14	80	5.43	20	< 1	0.98	< 10	0.38	0.062	0.033	0.01	5	23	30		1	< 2	< 10	165	< 10	5	14	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	13	78	5.30	20	< 1	0.96	< 10	0.37	0.060	0.033	0.01	4	22	30		< 1	< 2	< 10	163	< 10	5	13	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	14	80	5.44	20	1	0.95	< 10	0.38	0.061	0.034	0.01	6	23	30		< 1	< 2	< 10	166	< 10	5	12	
GXR-6 Cert	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																							1.07
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS311-4 Cert																							1.11
GS311-4 Meas																							1.05
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.07
GS311-4 Cert																							1.11
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							0.01
SiO2 Cert																							
SiO2 Meas																							0.01
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	19	43	5.01	< 10		0.37	32	1.28	0.020	0.061	0.37	4	3	16			< 2	< 10	31	< 10	16	25	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	19	43	5.01	< 10		0.37	33	1.28	0.020	0.060	0.36	3	3	16			< 2	< 10	31	< 10	16	24	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	20	45	5.09	< 10		0.36	33	1.31	0.020	0.063	0.38	2	3	16			< 2	< 10	32	< 10	16	29	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	21	41	5.76	< 10		0.32	30	1.39		0.058	0.66	3	3	14			< 2	< 10	31	< 10	15	30	
OREAS 923 (AQUA REGIA)	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Cert																							
OREAS 923 (AQUA REGIA) Meas	22	40	5.79	< 10		0.32	31	1.40		0.058	0.67	3	3	14			< 2	< 10	31	< 10	15	30	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	22	41	5.71	< 10		0.30	30	1.39		0.059	0.67	< 2	3	14			< 2	< 10	31	< 10	14	32	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	39	344	13.3	20	< 1	0.09	10	0.17	0.035	0.020	0.02		31	15	0.13		< 2	< 10	199		5	27	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	39	329	13.2	20	< 1	0.09	< 10	0.17	0.034	0.019	0.02		30	14	0.12		< 2	< 10	187		5	25	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	40	358	13.4	20	< 1	0.08	10	0.17	0.036	0.020	0.02		31	14	0.12		< 2	< 10	205		5	24	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.07
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							8.47
GS317-5 Cert																							8.46
GS317-5 Meas																							8.35
GS317-5 Cert																							8.46
GS317-5 Meas																							8.22
GS317-5 Cert																							8.46
GS317-5 Meas																							8.23
GS317-5 Cert																							8.46
GS317-5 Meas																							8.00
GS317-5 Cert																							8.46
GS317-5 Meas																							8.00
GS317-5 Cert																							8.46
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas	13	17	2.61	< 10	2	0.27	24	0.27	0.115	0.030	2.51	66		19			< 2	< 10	8	38	7	54	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	13	21	2.59	< 10	2	0.27	24	0.27	0.115	0.030	2.51	65		19			< 2	< 10	8	37	7	58	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
Oreas 620 (Aqua Regia) Meas	14	17	2.57	< 10	2	0.26	24	0.27	0.112	0.030	2.55	64		19			< 2	< 10	8	< 10	7	54	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
GC22-0622-015 Orig	10	5	2.23	< 10	< 1	0.13	< 10	0.90	0.046	0.044	2.30	< 2	< 1	36	< 0.01	< 1	< 2	< 10	5	< 10	1	8	
GC22-0622-015 Dup	9	5	2.21	< 10	< 1	0.13	< 10	0.90	0.046	0.044	2.27	< 2	< 1	36	< 0.01	2	< 2	< 10	5	< 10	1	8	
GC22-0723-015 Orig																							
GC22-0723-015 Dup																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1431030064 Orig	10	5	2.26	< 10	< 1	0.11	11	0.93	0.065	0.050	2.01	< 2	< 1	59	< 0.01	< 1	< 2	< 10	5	< 10	3	9	
1431030064 Dup	10	5	2.24	< 10	< 1	0.11	12	0.92	0.066	0.050	1.99	2	< 1	61	< 0.01	< 1	< 2	< 10	5	< 10	3	9	
1318017063 Orig																							
1318017063 Dup																							
1318018050 Orig																							0.58
1318018050 Dup																							0.60
1311004047 Orig																							
1311004047 Dup																							
1432078038 Orig	9	7	0.81	< 10	< 1	0.03	< 10	0.06	0.013	0.048	0.54	< 2	< 1	15	< 0.01	< 1	< 2	< 10	3	11	1	10	0.13
1432078038 Dup	9	8	0.80	< 10	< 1	0.02	< 10	0.06	0.013	0.049	0.55	< 2	< 1	15	< 0.01	< 1	< 2	< 10	3	11	< 1	11	0.14
1432078087 Orig																							
1432078087 Dup																							
1317030072 Orig																							
1317030072 Dup																							
1317033055 Orig																							
1317033055 Dup																							
1317030076 Orig																							0.73
1317030076 Dup																							0.73
1317031001 Orig	10	5	2.66	< 10	< 1	0.13	19	0.96	0.076	0.055	1.63	< 2	< 1	53	< 0.01	< 1	< 2	< 10	10	< 10	3	18	
1317031001 Dup	9	5	2.60	< 10	< 1	0.12	19	0.95	0.075	0.054	1.58	< 2	< 1	51	< 0.01	< 1	< 2	< 10	9	< 10	3	17	
1317033060 Orig																							
1317033060 Dup																							
1317030043 Orig																							
1317030043 Dup																							
1317029034 Orig																							0.40
1317029034 Dup																							0.40
1317042039 Orig																							
1317042039 Dup																							
1430012048 Orig	11	5	2.45	< 10	< 1	0.09	15	0.94	0.056	0.052	2.08	< 2	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	2	14	
1430012048 Dup	11	6	2.42	< 10	< 1	0.09	15	0.94	0.057	0.052	2.05	< 2	< 1	33	< 0.01	2	< 2	< 10	7	< 10	2	14	
1431034079 Orig																							2.43
1431034079 Dup																							2.44
1432078032 Orig																							
1432078032 Dup																							
1317040010 Orig																							
1317040010 Dup																							
1431040146 Orig																							0.44
1431040146 Dup																							0.45
1317037090 Orig																							
1317037090 Dup																							
1318019005 Orig																							
1318019005 Dup																							
1431040174 Orig																							
1431040174 Dup																							
1317040167 Orig	9	57	1.70	< 10	< 1	0.19	17	0.67	0.078	0.046	0.66	< 2	1	70	0.04	2	< 2	< 10	12	< 10	2	12	
1317040167 Dup	9	56	1.69	< 10	< 1	0.19	16	0.66	0.078	0.046	0.65	< 2	1	70	0.04	1	< 2	< 10	12	< 10	2	10	
STUG22-3245 Orig																							0.10
STUG22-3245 Dup																							0.11
1317039303 Orig																							
1317039303 Dup																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1431040069 Orig																							
1431040069 Dup																							
1431040223 Orig																							
1431040223 Dup																							
1317038004 Orig																							0.42
1317038004 Dup																							0.43
1317039018 Orig	16	220	4.46	< 10	< 1	0.18	15	1.65	0.034	0.056	3.34	11	2	23	0.03	2	< 2	< 10	27	< 10	2	16	
1317039018 Dup	17	217	4.50	< 10	< 1	0.18	15	1.66	0.034	0.056	3.36	10	2	23	0.03	< 1	< 2	< 10	28	< 10	2	15	
CUG22-2648 Orig																							
CUG22-2648 Dup																							
1317038451 Orig																							
1317038451 Dup																							
1317031155 Orig																							0.70
1317031155 Dup																							0.68
1430010073 Orig																							
1430010073 Dup																							
1317043242 Orig	9	3	2.57	< 10	< 1	0.24	11	0.72	0.018	0.044	2.34	3	< 1	41	< 0.01	< 1	< 2	< 10	4	< 10	2	20	
1317043242 Dup	9	3	2.50	< 10	< 1	0.23	10	0.70	0.017	0.044	2.22	2	< 1	38	< 0.01	< 1	< 2	< 10	4	< 10	2	20	
1317043029 Orig																							
1317043029 Dup																							
1317041201 Orig																							0.95
1317041201 Dup																							0.95
1317041093 Orig																							
1317041093 Dup																							
STUG22-3591 Orig																							
STUG22-3591 Dup																							
STUG22-3591 Orig																							
STUG22-3591 Dup																							
1317041108 Orig	9	7	2.04	< 10	< 1	0.21	15	0.88	0.170	0.042	1.36	2	< 1	95	0.02	< 1	< 2	< 10	10	< 10	3	15	
1317041108 Dup	9	7	2.06	< 10	< 1	0.21	16	0.88	0.171	0.042	1.40	2	< 1	95	0.02	< 1	< 2	< 10	10	< 10	3	15	
1430014110 Orig																							
1430014110 Dup																							
1430014016 Orig																							
1430014016 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GXR-6 Meas		
GXR-6 Cert		
GXR-6 Meas		
GXR-6 Cert		
GXR-6 Meas		
GXR-6 Cert		
BaSO4 Meas	13.5	
BaSO4 Cert	14.0	
BaSO4 Meas	13.3	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas	0.60	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS311-4 Meas	0.61	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.95
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.37	
GS316-3 Cert	0.340	
GS316-3 Meas	0.36	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
OREAS 257b (Fire Assay) Meas		14.5
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
GS317-5 Meas	15.6	
GS317-5 Cert	15.5	
GS317-5 Meas	15.6	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	
GS317-5 Cert	15.5	
GS317-5 Meas	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	14.8	
GS317-5 Cert	15.5	
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
GC22-0622-015 Orig		
GC22-0622-015 Dup		
GC22-0723-015		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Orig		
GC22-0723-015 Dup		
1431030064 Orig		
1431030064 Dup		
1318017063 Orig		
1318017063 Dup		
1318018050 Orig	0.41	
1318018050 Dup	0.41	
1311004047 Orig		
1311004047 Dup		
1432078038 Orig	0.53	
1432078038 Dup	0.56	
1432078087 Orig		
1432078087 Dup		
1317030072 Orig		
1317030072 Dup		
1317033055 Orig		
1317033055 Dup		
1317030076 Orig	0.89	
1317030076 Dup	0.92	
1317031001 Orig		
1317031001 Dup		
1317033060 Orig		
1317033060 Dup		
1317030043 Orig	1.05	
1317030043 Dup	1.14	
1317029034 Orig	0.88	
1317029034 Dup	0.88	
1317042039 Orig		
1317042039 Dup		
1430012048 Orig		
1430012048 Dup		
1431034079 Orig	1.16	
1431034079 Dup	1.19	
1432078032 Orig		
1432078032 Dup		
1317040010 Orig		
1317040010 Dup		
1431040146 Orig	1.66	
1431040146 Dup	1.69	
1317037090 Orig		
1317037090 Dup		
1318019005 Orig		
1318019005 Dup		
1431040174 Orig	1.71	
1431040174 Dup	1.69	
1317040167 Orig		
1317040167 Dup		
STUG22-3245 Orig	1.98	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
STUG22-3245 Dup	2.02	
1317039303 Orig		
1317039303 Dup		
1431040069 Orig		
1431040069 Dup		
1431040223 Orig		
1431040223 Dup		
1317038004 Orig	1.48	
1317038004 Dup	1.47	
1317039018 Orig		
1317039018 Dup		
CUG22-2648 Orig		
CUG22-2648 Dup		
1317038451 Orig		
1317038451 Dup		
1317031155 Orig	0.65	
1317031155 Dup	0.61	
1430010073 Orig		
1430010073 Dup		
1317043242 Orig		
1317043242 Dup		
1317043029 Orig	2.16	
1317043029 Dup	2.15	
1317041201 Orig	1.67	
1317041201 Dup	1.66	
1317041093 Orig		
1317041093 Dup		
STUG22-3591 Orig		
STUG22-3591 Dup		
STUG22-3591 Orig		
STUG22-3591 Dup		
1317041108 Orig		
1317041108 Dup		
1430014110 Orig	1.14	
1430014110 Dup	1.15	
1430014016 Orig		
1430014016 Dup		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Report No.: **A23-03440**
Report Date: **09-May-23**
Date Submitted: **14-Mar-23**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

145 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-04-17 21:40:46
4F-C, S	Infrared	2023-04-14 21:10:47

REPORT **A23-03440**

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

Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: no material for sample 1316028244.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A23-03440**
Report Date: **09-May-23**
Date Submitted: **14-Mar-23**
Your Reference: **ASSAYS FROM PULP**

New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

145 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2023-03-21 07:09:30
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2023-03-23 19:39:24
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2023-03-24 11:04:55

REPORT **A23-03440**

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Notes:

11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.)For results that are less than the detection limit, a value of half the detection limit is used for any corresponding calculations

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: no material for sample 1316028244.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
STUG22-1305	1290	None	8.77	-61.2	3.25	0.0504	64.41	0.59	55.1	8.7	230	141	1	8	1010	2260	0.45	70	< 10	27	< 0.5	< 2	0.13
1317045075	66	Slight	9.52	38.8	46.8	5.89	7.94	0.48	0.7	< 0.5	454	508	< 1	609	3	42	2.31	4	< 10	55	< 0.5	< 2	1.86
1430014140	54	Slight	9.31	15.1	40.5	1.59	25.42	0.42	0.3	< 0.5	64	397	3	18	5	51	1.20	6	< 10	31	< 0.5	< 2	1.70
1430014177	21	Slight	9.34	11.1	41.1	1.37	30.00	0.41	< 0.2	< 0.5	47	341	2	13	< 2	27	1.11	< 2	< 10	31	< 0.5	< 2	1.74
1317045143	52	Slight	9.38	33.3	46.3	3.55	13.06	0.31	0.3	0.8	46	503	< 1	15	16	253	1.27	< 2	< 10	51	< 0.5	< 2	2.11
1431095040	74	None	8.76	37.0	51.3	3.60	14.24	0.36	0.4	< 0.5	186	845	1	112	6	84	2.54	6	< 10	19	< 0.5	< 2	2.35
1431095001	181	None	8.73	9.75	41.4	1.31	31.62	0.76	0.4	< 0.5	141	1260	2	52	2	68	2.65	5	< 10	38	< 0.5	< 2	2.03
1317045082	< 5	None	9.64	76.6	77.8	65.6	1.19	0.33	< 0.2	< 0.5	114	645	< 1	533	6	25	3.02	6	< 10	211	< 0.5	< 2	2.11
1430006101	48	Slight	9.15	3.72	49.0	1.08	45.24	0.53	< 0.2	< 0.5	174	331	< 1	11	< 2	30	1.06	2	< 10	32	< 0.5	< 2	2.00
1317045324	28	Slight	9.51	21.8	31.6	3.21	9.85	0.37	0.3	0.9	26	517	3	11	6	275	1.24	5	< 10	73	< 0.5	< 2	1.40
1430006023	17	Slight	9.48	6.65	35.2	1.23	28.57	0.42	< 0.2	< 0.5	102	259	2	16	< 2	28	1.27	5	< 10	48	< 0.5	< 2	1.64
1317045019	24	Slight	9.35	1.40	17.2	1.09	15.81	0.34	0.6	2.0	49	669	1	33	17	526	2.11	9	< 10	36	< 0.5	< 2	1.00
1431095002	222	Slight	8.63	-51.0	34.2	0.401	85.18	1.19	0.6	< 0.5	272	857	3	51	< 2	63	2.25	9	< 10	20	< 0.5	< 2	1.57
1431095022	53	Slight	8.88	118	133	8.74	15.18	0.58	0.2	< 0.5	233	960	3	78	< 2	49	2.90	< 2	< 10	26	< 0.5	< 2	4.38
1317045093	21	Slight	9.34	42.3	55.9	4.09	13.68	0.58	0.5	0.7	29	850	1	13	5	218	1.35	6	< 10	57	< 0.5	< 2	2.39
1430006085	50	Slight	8.77	29.8	80.1	1.59	50.27	0.73	0.2	< 0.5	217	448	4	27	< 2	31	1.85	3	< 10	38	< 0.5	< 2	3.06
1317045002	28	Slight	9.39	18.0	33.5	2.17	15.43	0.38	0.3	0.5	36	664	< 1	17	14	192	2.72	8	< 10	60	< 0.5	< 2	2.06
1317045035	326	Slight	9.29	33.6	39.1	7.08	5.52	0.37	0.4	< 0.5	24	611	< 1	20	5	92	1.88	4	< 10	49	< 0.5	< 2	2.09
1430006068	15	Slight	9.27	41.8	56.3	3.87	14.54	0.37	< 0.2	< 0.5	43	295	1	9	9	31	0.94	< 2	< 10	40	< 0.5	< 2	2.29
F013763	541																						
F013717	534																						
1430006287	23	Slight	9.45	13.1	31.3	1.72	18.19	0.31	< 0.2	< 0.5	48	321	2	14	2	48	1.62	4	< 10	23	< 0.5	< 2	1.33
1430006256	53	Slight	9.24	18.5	39.7	1.87	21.20	0.42	0.2	< 0.5	143	291	3	16	< 2	36	1.45	< 2	< 10	41	< 0.5	< 2	1.64
1430006255	62	Slight	9.21	20.9	46.1	1.83	25.25	0.51	0.4	< 0.5	220	265	3	15	< 2	28	1.23	< 2	< 10	43	< 0.5	< 2	2.08
1317045102	67	Slight	8.65	-19.1	53.2	0.736	72.28	1.45	1.1	3.0	62	1110	< 1	45	5	779	2.42	37	< 10	44	< 0.5	< 2	2.24
1430009331	61	Slight	9.00	-10.1	46.7	0.823	56.72	0.60	0.5	< 0.5	47	506	4	32	< 2	56	1.27	5	< 10	29	< 0.5	< 2	1.62
1310002121	103	Slight	9.15	-11.3	26.5	0.701	37.73	0.42	< 0.2	< 0.5	40	373	< 1	8	6	53	1.21	< 2	< 10	60	< 0.5	< 2	1.52
1430009299	63	Slight	9.25	1.20	34.4	1.04	33.15	0.39	0.4	< 0.5	185	296	5	15	< 2	40	1.09	3	< 10	30	< 0.5	< 2	1.45
1310002113	198	Slight	9.48	18.1	39.7	1.84	21.58	0.39	0.7	1.4	56	573	2	7	5	140	1.25	< 2	< 10	115	< 0.5	< 2	1.85
1310002103	265	Slight	9.08	-38.8	34.9	0.474	73.74	0.84	0.9	< 0.5	226	452	2	8	3	172	3.18	32	< 10	27	< 0.5	4	1.40
1310003519	149	Slight	8.92	-33.7	38.9	0.536	72.62	0.82	0.3	< 0.5	43	345	2	60	< 2	46	2.08	16	< 10	41	< 0.5	< 2	1.67
MUG23-0155	261	Slight	8.67	-48.3	10.6	0.180	58.93	0.59	4.0	1.6	31	807	< 1	8	121	424	1.86	41	< 10	43	< 0.5	< 2	0.77
1310003074	203	Slight	9.02	-24.9	15.3	0.380	40.27	0.42	0.7	< 0.5	295	268	5	9	< 2	30	2.75	8	< 10	39	< 0.5	< 2	1.37
1430009235	74	Slight	9.45	25.2	51.6	1.96	26.33	0.49	0.2	< 0.5	71	306	1	12	< 2	30	1.28	6	< 10	39	< 0.5	< 2	2.07
1430009361	36	Slight	9.34	11.8	46.4	1.34	34.53	0.46	0.2	< 0.5	61	331	2	15	< 2	34	1.47	2	< 10	33	< 0.5	< 2	1.98
1430009432	20	Slight	9.05	84.2	98.5	6.88	14.32	0.54	< 0.2	< 0.5	126	868	3	139	< 2	61	3.40	< 2	< 10	17	< 0.5	< 2	3.45
1430009405	16	Slight	8.94	32.2	57.0	2.29	24.89	0.86	< 0.2	< 0.5	61	1240	< 1	193	< 2	70	3.66	8	< 10	11	< 0.5	< 2	1.95
1430009367	17	Slight	9.20	25.0	43.3	2.37	18.25	0.46	0.2	< 0.5	63	708	< 1	156	< 2	59	2.75	5	< 10	< 10	< 0.5	< 2	2.20
1432032018	45	Slight	8.99	63.6	91.2	3.31	27.56	1.36	1.1	8.3	225	2050	< 1	71	5	1300	2.73	71	< 10	14	< 0.5	< 2	3.42
1310003530	173	Slight	9.17	0.471	17.2	1.03	16.72	0.28	0.5	< 0.5	205	352	3	10	2	95	3.05	3	< 10	60	< 0.5	< 2	1.43
1430009277	30	Slight	9.32	59.1	92.1	2.79	33.02	0.61	< 0.2	< 0.5	37	691	< 1	70	< 2	42	1.97	6	< 10	60	< 0.5	< 2	3.37
1317047139	223	Slight	9.02	10.6	31.0	1.52	20.37	0.65	0.6	< 0.5	57	1100	< 1	30	8	208	2.95	12	< 10	72	< 0.5	< 2	2.66
1317047099	59	Slight	9.20	31.5	44.7	3.39	13.16	0.40	0.5	< 0.5	51	788	< 1	24	8	174	2.69	13	< 10	55	< 0.5	< 2	2.40
1432032034	7	Slight	8.98	64.4	68.7	16.0	4.30	0.72	0.4	< 0.5	68	2430	< 1	77	< 2	162	2.92	39	< 10	18	< 0.5	< 2	3.09
F013694	1850																						
F013720	1860																						
1316028028	142	None	8.87	-43.1	5.85	0.119	48.96	0.50	1.6	2.6	42	218	< 1	28	359	850	0.78	147	< 10	42	< 0.5	< 2	0.32
1430030073	435	Slight	9.20	2.71	47.6	1.06	44.89	0.51	3.4	0.9	26	1000	3	9	24	220	1.44	22	< 10	46	< 0.5	< 2	1.42
1309002016	61	Slight	9.15	11.9	18.0	2.96	6.07	0.20	< 0.2	< 0.5	131	295	3	7	3	32	3.86	3	< 10	32	< 0.5	< 2	2.10

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1309002378	255	Slight	9.28	0.565	18.7	1.03	18.18	0.35	0.6	< 0.5	123	401	< 1	13	< 2	78	4.02	5	< 10	91	< 0.5	< 2	1.75
1316027607	667	None	8.81	-121	14.5	0.107	135.62	1.75	5.6	31.6	277	581	< 1	10	153	6670	1.29	298	< 10	22	< 0.5	< 2	0.49
1430015001	98	Slight	9.28	23.5	59.6	1.65	36.10	0.57	1.2	1.1	37	990	1	14	23	291	1.66	28	< 10	44	< 0.5	< 2	1.73
1430030191	876	Slight	9.06	12.4	56.8	1.28	44.41	0.53	11.3	0.5	27	956	< 1	10	40	163	1.17	34	< 10	28	< 0.5	< 2	1.49
1316027076	49	Slight	9.24	49.2	73.5	3.02	24.35	0.62	0.6	0.8	11	858	< 1	10	33	222	0.99	66	< 10	28	< 0.5	< 2	3.04
1430030119	1400	Slight	9.41	-7.35	52.3	0.877	59.61	0.70	3.6	0.6	34	632	1	14	60	167	1.38	42	< 10	49	< 0.5	< 2	1.38
1309002383	89	Slight	9.14	20.9	29.2	3.51	8.31	0.39	0.3	< 0.5	95	365	3	20	< 2	95	3.59	4	< 10	76	< 0.5	< 2	1.81
1316028034	2380	Slight	8.81	-48.7	20.7	0.299	69.49	1.05	2.4	16.1	109	785	< 1	8	420	3950	1.64	54	< 10	44	< 0.5	< 2	1.09
1430030144	374	Slight	9.44	-22.8	35.2	0.606	58.05	0.63	5.0	0.6	42	724	3	12	27	207	1.01	78	< 10	37	< 0.5	< 2	1.03
1430015056	130	Slight	8.99	62.5	111	2.28	48.64	0.78	1.6	0.6	55	3100	2	13	34	422	1.36	40	< 10	33	< 0.5	< 2	0.32
1309002371	188	Slight	9.18	52.5	70.9	3.86	18.36	0.47	< 0.2	< 0.5	52	552	< 1	93	< 2	67	2.80	4	< 10	51	< 0.5	< 2	2.97
1316027110	547	Slight	8.55	-209	6.24	0.0290	215.24	1.41	13.8	8.1	333	342	2	18	160	1870	0.92	392	< 10	17	< 0.5	9	0.60
1316027175	> 5000	Slight	9.13	-50.1	27.0	0.350	77.05	1.05	4.8	9.7	124	1450	< 1	14	268	2140	2.08	169	< 10	31	< 0.5	< 2	0.96
1317052021	1270	Slight	9.21	-5.52	47.9	0.897	53.46	0.79	0.8	2.1	31	1200	< 1	8	125	507	1.36	54	< 10	48	< 0.5	< 2	2.07
1317052018	2010	Slight	9.27	20.5	67.6	1.43	47.15	0.97	8.0	6.7	257	1650	< 1	9	900	1450	1.77	48	< 10	46	< 0.5	< 2	2.65
F012541	1100																						
1310005607	380	Slight	8.91	-48.5	13.0	0.211	61.50	0.67	0.4	< 0.5	50	405	< 1	9	3	60	2.14	18	< 10	48	< 0.5	3	0.83
1316025025	753	Slight	9.08	28.2	59.1	1.91	30.86	0.80	1.3	6.6	41	1120	< 1	10	17	1520	0.97	160	< 10	28	< 0.5	< 2	1.83
1315018217	993	Slight	8.95	-36.7	22.1	0.376	58.82	0.77	1.4	5.9	85	646	1	14	118	1470	0.93	133	< 10	42	< 0.5	< 2	0.83
1431031808	170	Slight	8.96	-2.71	41.0	0.938	43.66	0.58	1.2	0.7	57	614	3	12	9	227	1.69	35	< 10	47	< 0.5	< 2	1.71
1430007172	684	Slight	8.98	79.6	112	3.43	32.70	0.62	0.7	< 0.5	87	885	1	137	4	106	2.99	9	< 10	15	< 0.5	< 2	3.57
1315018200	1030	Slight	8.47	-49.9	17.0	0.254	66.85	0.97	1.9	11.6	145	779	1	7	41	2770	1.13	90	< 10	43	< 0.5	< 2	0.68
1430007275	27	Slight	9.18	20.9	28.7	3.68	7.80	0.33	< 0.2	< 0.5	44	656	< 1	21	< 2	45	1.78	< 2	< 10	33	< 0.5	< 2	1.17
1430007321	47	None	8.47	-53.4	2.99	0.0531	56.42	0.43	0.3	< 0.5	44	295	< 1	20	< 2	51	1.18	3	< 10	17	< 0.5	< 2	0.14
1316025092	106	Slight	8.86	38.5	88.1	1.78	49.59	0.84	1.5	0.6	44	1260	< 1	97	17	162	2.15	68	< 10	36	< 0.5	< 2	3.68
1430007211	131	Slight	8.75	-48.8	58.2	0.544	106.91	1.23	0.7	< 0.5	201	913	2	160	3	93	3.18	11	< 10	23	< 0.5	< 2	1.97
1316025119	114	Slight	8.98	-30.0	21.6	0.419	51.62	0.50	6.3	2.7	28	941	< 1	12	425	789	2.03	59	< 10	32	< 0.5	< 2	1.13
1430007268	40	None	8.86	-30.7	7.47	0.196	38.15	0.49	0.3	< 0.5	67	634	2	20	4	71	1.58	6	< 10	40	< 0.5	< 2	0.31
1430007244	73	Slight	8.93	-9.70	24.2	0.714	33.89	0.88	0.3	< 0.5	178	1290	3	62	< 2	63	3.05	7	< 10	< 10	< 0.5	< 2	1.05
1430007251	89	None	9.02	-38.0	7.49	0.165	45.46	0.35	0.4	< 0.5	61	257	< 1	17	6	132	1.32	9	< 10	30	< 0.5	< 2	0.42
1316025030	58	None	8.99	-6.73	15.4	0.696	22.16	0.33	0.2	1.3	24	333	< 1	15	4	381	1.41	59	< 10	41	< 0.5	< 2	0.69
F014055	336																						
1430008052	277	None	9.29	-13.3	44.4	0.770	57.61	0.59	5.0	< 0.5	25	2020	1	10	33	171	0.40	216	< 10	23	< 0.5	< 2	1.93
1430008084	390	None	9.45	-13.6	43.4	0.761	57.03	0.60	13.0	< 0.5	28	2080	< 1	10	60	185	0.69	207	< 10	34	< 0.5	< 2	1.63
1316030112	3760	None	8.90	-57.5	11.2	0.163	68.74	0.80	2.4	8.1	107	827	< 1	7	47	2040	1.14	62	< 10	30	< 0.5	< 2	0.26
1316030131	881	None	8.77	-61.4	12.2	0.166	73.63	0.77	0.8	11.5	57	402	< 1	12	22	2710	1.14	68	< 10	45	< 0.5	< 2	0.63
1316030027	1090	Slight	8.93	-18.9	24.9	0.569	43.80	0.48	0.6	1.1	33	882	< 1	10	24	358	2.23	18	< 10	57	< 0.5	< 2	1.37
1316028048	287	None	8.59	-61.5	36.9	0.375	98.43	1.13	2.5	10.1	79	423	1	26	258	2710	1.00	143	< 10	27	< 0.5	< 2	0.47
1316028094	646	Slight	8.99	-0.143	36.4	0.996	36.56	0.80	1.7	11.7	109	610	< 1	6	648	3110	0.57	75	< 10	50	< 0.5	< 2	1.54
1316030109	1520	None	8.75	-51.6	14.3	0.217	65.97	1.24	2.0	23.1	134	1060	< 1	8	44	5630	1.39	85	< 10	42	< 0.5	< 2	0.54
1316028233	349	Slight	9.25	-24.1	49.7	0.674	73.79	3.97	3.8	1.3	3180	680	< 1	3770	102	323	1.82	11	< 10	36	< 0.5	< 2	1.64
1430008038	34	Slight	9.18	35.7	57.9	2.60	22.25	0.42	1.1	< 0.5	19	659	< 1	10	5	174	1.43	26	< 10	32	< 0.5	< 2	1.93
1316030141	1230	Slight	9.07	-39.2	10.5	0.211	49.71	0.88	3.8	16.0	332	876	< 1	7	57	3890	1.52	58	< 10	29	< 0.5	< 2	0.50
1430008024	135	Slight	9.32	20.6	67.9	1.44	47.26	0.58	1.2	< 0.5	16	1030	1	9	9	93	1.18	67	< 10	41	< 0.5	< 2	1.90
1316025187	203	Slight	9.15	-35.5	32.2	0.476	67.77	0.95	2.5	6.2	48	801	< 1	15	42	1210	2.24	62	< 10	40	< 0.5	< 2	1.80
1315016011	301	None	8.63	-113	9.99	0.0809	123.45	1.14	2.0	0.6	151	692	1	16	8	194	2.05	104	< 10	28	< 0.5	3	0.51
1431031120	567	Slight	9.03	-24.1	28.0	0.537	52.06	0.71	0.9	5.0	41	724	< 1	11	13	1190	1.19	28	< 10	56	< 0.5	< 2	1.18
1430008245	136	Slight	9.37	19.0	61.7	1.45	42.68	0.73	1.4	< 0.5	24	586	< 1	16	36	144	1.67	36	< 10	48	< 0.5	< 2	2.19
1430030257	395	None	9.01	-41.4	17.7	0.300	59.12	0.62	1.8	4.7	82	590	< 1	12	128	1220	1.33	60	< 10	40	< 0.5	< 2	0.72

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1316028244																							
1316028187	246	Slight	8.70	-54.0	52.1	0.491	106.10	1.47	2.8	4.6	106	599	1	37	852	1490	0.76	438	< 10	34	< 0.5	< 2	2.13
F014078	1950																						
1317047623	15	Slight	9.38	62.8	63.3	120	0.53	0.39	< 0.2	< 0.5	19	668	< 1	30	< 2	97	1.71	3	< 10	105	< 0.5	< 2	2.41
1317047110	42	Slight	9.14	41.1	48.8	6.35	7.69	0.41	0.4	< 0.5	55	739	< 1	26	6	134	2.30	7	< 10	101	< 0.5	< 2	2.23
1317047001	111	Slight	8.74	-35.8	42.8	0.544	78.59	1.27	1.0	2.8	73	1050	2	42	5	683	2.46	18	< 10	22	< 0.5	< 2	1.89
1317047629	108	Slight	9.45	35.1	43.8	5.03	8.70	0.41	1.4	< 0.5	35	777	< 1	21	6	152	1.47	6	< 10	190	< 0.5	< 2	1.88
1316023043	463	None	8.91	-35.6	13.4	0.274	49.07	0.62	2.5	2.2	57	767	< 1	8	17	464	1.62	75	< 10	27	< 0.5	< 2	0.69
1317047630	140	Slight	9.43	34.7	45.9	4.10	11.19	0.45	1.9	< 0.5	39	843	< 1	24	11	132	1.44	6	< 10	83	< 0.5	< 2	1.93
1316023001	352	Slight	9.08	-4.81	46.5	0.906	51.35	0.67	1.0	7.0	47	1110	< 1	9	21	1630	0.97	107	< 10	20	< 0.5	< 2	1.49
1317049058	88	Slight	9.24	10.00	23.2	1.76	13.21	0.28	2.7	< 0.5	34	498	< 1	10	9	65	1.91	25	< 10	47	< 0.5	< 2	1.27
1316023087	1200	Slight	8.63	-64.9	24.6	0.275	89.42	1.01	1.2	6.4	110	710	< 1	16	23	1610	1.23	191	< 10	34	< 0.5	< 2	0.92
1310004072	446	None	8.70	-42.2	10.8	0.204	53.07	0.50	0.4	< 0.5	102	293	< 1	16	5	37	2.25	7	< 10	51	< 0.5	3	0.79
1310004025	299	None	9.11	-1.86	12.2	0.867	14.03	0.26	0.4	< 0.5	267	243	2	8	< 2	31	3.28	6	< 10	33	< 0.5	< 2	1.68
1316023007	1020	Slight	8.91	-38.7	14.1	0.267	52.79	0.71	1.7	4.3	97	648	< 1	8	190	1420	1.25	838	< 10	29	< 0.5	< 2	0.60
1316023157	666	None	8.52	-39.7	5.73	0.126	45.39	0.42	0.7	< 0.5	27	479	< 1	11	45	169	1.59	85	< 10	25	< 0.5	< 2	0.36
1310004074	115	Slight	8.80	16.1	41.4	1.63	25.36	0.50	< 0.2	< 0.5	61	406	1	18	< 2	34	2.09	3	< 10	70	< 0.5	< 2	1.79
1316023112	1570	Slight	8.70	-26.1	18.4	0.414	44.48	0.69	2.7	1.7	399	809	< 1	14	10	446	1.62	135	< 10	33	< 0.5	< 2	0.72
1310004600	188	None	9.01	-10.7	11.7	0.522	22.40	0.31	0.3	< 0.5	159	198	2	6	< 2	24	3.15	5	< 10	35	< 0.5	< 2	1.69
1310004628	26	Slight	9.28	91.0	91.5	216	0.42	0.49	< 0.2	< 0.5	26	760	< 1	76	3	55	2.61	< 2	< 10	429	< 0.5	< 2	3.16
1317047045	16	Slight	9.38	72.7	76.9	18.0	4.27	0.49	< 0.2	< 0.5	11	689	< 1	28	7	79	2.26	6	< 10	62	< 0.5	< 2	3.08
1317049013	28	Slight	9.55	32.8	37.3	8.39	4.44	0.37	< 0.2	< 0.5	18	419	< 1	12	5	96	1.21	5	< 10	36	< 0.5	< 2	1.54
1430007146	62	Slight	9.11	5.76	40.9	1.16	35.18	0.73	0.4	< 0.5	68	627	< 1	80	4	102	2.03	9	< 10	35	< 0.5	< 2	1.86
1317049015	45	Slight	9.46	32.3	39.4	5.57	7.08	0.38	0.3	< 0.5	30	537	2	15	5	74	1.39	5	< 10	49	< 0.5	< 2	1.61
1317049808	41	Slight	9.45	34.2	44.4	4.35	10.19	0.56	0.3	< 0.5	29	544	< 1	13	6	71	1.87	11	< 10	44	< 0.5	< 2	2.00
1316023027	847	None	8.71	-55.4	9.36	0.145	64.73	0.68	1.4	0.9	105	569	< 1	8	13	318	1.20	161	< 10	27	< 0.5	< 2	0.40
1316023094	266	None	8.73	-43.4	31.3	0.419	74.69	0.93	0.9	10.2	60	785	< 1	11	10	2620	0.58	146	< 10	28	< 0.5	< 2	1.00
1316023049	949	Slight	8.74	-40.2	26.2	0.395	66.39	0.80	0.7	9.4	57	760	< 1	8	16	2280	1.06	131	< 10	25	< 0.5	< 2	1.10
1430007182	56	Slight	9.04	44.3	84.9	2.09	40.61	0.75	< 0.2	< 0.5	62	770	< 1	131	< 2	51	2.69	4	< 10	13	< 0.5	< 2	3.53
F014077	545																						
1317049065	36	Slight	9.45	25.8	36.3	3.43	10.58	0.34	0.5	< 0.5	22	526	< 1	23	7	61	1.50	26	< 10	48	< 0.5	< 2	1.55
1317049001	104	Slight	9.32	35.9	43.0	6.01	7.15	0.41	0.6	< 0.5	52	717	< 1	10	4	177	2.03	7	< 10	56	< 0.5	< 2	2.18
1316023165	272	Slight	9.11	-11.4	39.6	0.776	51.00	0.62	0.5	3.5	50	680	< 1	8	11	896	0.85	86	< 10	30	< 0.5	< 2	1.21
1317049024	83	Slight	9.33	39.4	53.8	3.74	14.40	0.46	0.4	< 0.5	15	543	< 1	10	5	94	1.79	5	< 10	36	< 0.5	< 2	2.29
1310005029	226	None	9.04	-40.0	7.44	0.157	47.40	0.56	0.7	< 0.5	220	463	< 1	9	2	62	2.14	8	< 10	35	< 0.5	< 2	0.38
1430007339	48	None	8.03	-67.6	3.62	0.0508	71.24	0.57	0.2	< 0.5	95	229	3	48	< 2	47	2.94	< 2	< 10	23	< 0.5	< 2	0.11
1430007327	47	None	8.20	-63.5	3.62	0.0539	67.14	0.48	0.4	< 0.5	20	36	< 1	23	2	43	1.49	11	< 10	23	< 0.5	< 2	0.11
1430007334	163	None	7.22	-279	0.976	0.00348	280.18	1.20	0.5	< 0.5	91	271	3	58	< 2	47	2.48	10	< 10	< 10	< 0.5	< 2	0.07
1430007169	26	Slight	9.18	47.3	49.5	22.2	2.23	0.38	< 0.2	< 0.5	63	412	5	42	< 2	52	1.86	< 2	< 10	37	< 0.5	< 2	2.06
1317049976	159	Slight	9.29	65.6	81.4	5.16	15.78	0.56	0.5	< 0.5	11	693	< 1	7	11	133	1.20	45	< 10	42	< 0.5	< 2	2.75
1317049702	52	Slight	9.55	49.0	66.3	3.83	17.33	0.45	0.5	< 0.5	20	548	< 1	23	10	62	1.36	43	< 10	36	< 0.5	< 2	2.54
1316024106	1050	Slight	9.12	6.32	41.2	1.18	34.87	0.51	0.6	1.9	116	708	< 1	9	6	740	2.75	13	< 10	53	< 0.5	< 2	1.45
1317049635	65	Slight	9.20	29.7	45.9	2.83	16.23	0.50	0.5	< 0.5	18	437	< 1	21	6	56	2.01	11	< 10	63	< 0.5	< 2	1.99
2023011701	141	Slight	9.14	13.1	39.0	1.51	25.86	0.43	1.5	< 0.5	29	1080	< 1	12	48	156	1.76	59	< 10	24	< 0.5	< 2	1.91
1316024017	222	Slight	9.02	-19.5	38.4	0.663	57.89	0.68	0.5	2.2	49	787	< 1	14	7	600	0.92	123	< 10	39	< 0.5	< 2	1.27
1310005018	108	None	8.94	-60.1	9.52	0.137	69.57	0.65	0.3	< 0.5	17	358	< 1	7	4	45	2.41	23	< 10	41	< 0.5	< 2	0.93
F014073	1040																						

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
STUG22-1305	9	8	2.44	< 10	2	0.17	< 10	0.14	0.021	0.039	2.61	50	< 1	8	< 0.01	2	< 2	< 10	2	< 10	2	6	0.01
1317045075	58	871	3.82	< 10	< 1	0.13	< 10	3.57	0.110	0.040	0.39	4	6	74	0.08	< 1	< 2	< 10	62	< 10	2	6	0.54
1430014140	11	22	2.32	< 10	< 1	0.10	16	0.85	0.065	0.052	1.06	< 2	1	38	< 0.01	1	< 2	< 10	16	< 10	3	9	0.65
1430014177	11	16	2.25	< 10	< 1	0.10	16	0.86	0.052	0.047	1.29	< 2	2	31	< 0.01	< 1	< 2	< 10	15	< 10	3	8	0.54
1317045143	9	20	2.07	< 10	< 1	0.27	14	0.73	0.047	0.040	0.56	< 2	1	43	0.10	< 1	< 2	< 10	17	< 10	2	10	0.66
1431095040	33	290	4.61	< 10	< 1	0.07	< 10	2.34	0.038	0.032	0.53	3	6	58	0.17	< 1	< 2	< 10	70	< 10	3	5	0.68
1431095001	40	210	7.57	< 10	3	0.13	< 10	2.54	0.038	0.117	1.21	3	9	36	0.31	< 1	< 2	< 10	163	< 10	7	6	0.58
1317045082	51	1340	4.71	< 10	< 1	0.56	< 10	5.07	0.062	0.033	0.13	6	4	184	0.11	< 1	< 2	< 10	74	< 10	2	3	1.07
1430006101	10	8	2.59	< 10	< 1	0.12	< 10	0.75	0.058	0.049	1.81	< 2	< 1	48	< 0.01	2	< 2	< 10	10	< 10	3	6	0.68
1317045324	10	12	2.30	< 10	< 1	0.30	15	0.67	0.058	0.044	0.47	< 2	2	28	0.10	< 1	< 2	< 10	25	< 10	3	13	0.38
1430006023	12	114	2.01	< 10	< 1	0.14	16	0.95	0.072	0.053	1.23	< 2	1	60	< 0.01	1	< 2	< 10	12	< 10	3	14	0.53
1317045019	13	221	2.70	< 10	< 1	0.18	21	0.87	0.117	0.065	0.64	3	2	60	0.06	< 1	< 2	< 10	23	< 10	4	13	0.23
1431095002	42	221	8.15	< 10	1	0.06	< 10	2.25	0.039	0.055	2.78	3	9	29	0.32	< 1	< 2	< 10	152	< 10	7	7	0.40
1431095022	36	147	7.34	< 10	< 1	0.19	< 10	2.70	0.015	0.040	0.58	3	8	77	0.15	< 1	< 2	< 10	134	< 10	6	4	1.73
1317045093	10	14	2.90	< 10	< 1	0.23	14	0.72	0.059	0.046	0.69	< 2	2	43	0.06	< 1	< 2	< 10	27	< 10	3	15	0.84
1430006085	19	16	4.02	< 10	< 1	0.11	33	1.49	0.050	0.106	2.09	< 2	5	87	< 0.01	2	< 2	< 10	48	< 10	6	14	1.02
1317045002	11	15	2.56	< 10	< 1	0.29	25	1.04	0.218	0.068	0.62	< 2	2	146	0.08	< 1	< 2	< 10	27	< 10	4	15	0.45
1317045035	13	110	3.14	< 10	< 1	0.18	20	0.71	0.117	0.064	0.31	< 2	4	99	0.10	< 1	< 2	< 10	50	< 10	5	11	0.51
1430006068	9	8	2.23	< 10	< 1	0.12	13	0.58	0.048	0.043	0.64	< 2	< 1	57	< 0.01	< 1	< 2	< 10	10	< 10	2	5	0.84
F013763																							
F013717																							
1430006287	9	106	2.06	< 10	< 1	0.12	14	0.69	0.121	0.043	0.80	< 2	1	58	< 0.01	1	< 2	< 10	10	< 10	1	9	0.47
1430006256	11	149	2.33	< 10	< 1	0.16	16	0.73	0.084	0.044	0.93	< 2	1	54	< 0.01	< 1	< 2	< 10	12	< 10	2	10	0.55
1430006255	12	110	2.28	< 10	< 1	0.13	16	0.72	0.073	0.048	1.18	< 2	1	59	< 0.01	< 1	< 2	< 10	12	< 10	3	6	0.65
1317045102	31	162	7.22	10	< 1	0.24	< 10	0.96	0.105	0.062	2.75	4	10	55	0.23	1	< 2	< 10	152	< 10	8	10	0.66
1430009331	18	136	3.37	< 10	< 1	0.13	19	1.17	0.060	0.046	2.28	< 2	3	46	0.04	< 1	< 2	< 10	27	< 10	3	8	0.61
1310002121	7	105	2.31	< 10	< 1	0.16	34	0.52	0.079	0.059	1.56	< 2	< 1	110	< 0.01	1	< 2	< 10	6	< 10	4	16	0.40
1430009299	13	15	2.39	< 10	< 1	0.10	17	0.81	0.052	0.053	1.41	< 2	2	38	0.03	< 1	< 2	< 10	18	< 10	3	8	0.45
1310002113	6	83	2.01	< 10	< 1	0.25	47	0.52	0.068	0.073	0.95	< 2	< 1	124	< 0.01	1	< 2	< 10	7	< 10	5	15	0.49
1310002103	11	9	4.32	< 10	< 1	0.09	12	2.92	0.051	0.040	2.53	< 2	1	48	< 0.01	1	< 2	< 10	15	< 10	3	19	0.42
1310003519	18	224	3.72	< 10	< 1	0.14	15	1.37	0.138	0.062	2.68	< 2	3	91	< 0.01	1	< 2	< 10	26	< 10	4	24	0.57
MUG23-0155	9	9	2.44	< 10	< 1	0.31	11	1.39	0.047	0.043	2.29	5	1	34	0.06	< 1	< 2	< 10	11	< 10	2	16	0.05
1310003074	6	112	2.76	< 10	< 1	0.13	13	0.80	0.136	0.036	1.53	< 2	< 1	105	< 0.01	< 1	< 2	< 10	10	< 10	3	9	0.23
1430009235	10	7	2.33	< 10	< 1	0.14	20	0.80	0.076	0.050	1.21	< 2	1	57	< 0.01	3	< 2	< 10	10	< 10	2	12	0.78
1430009361	9	153	2.38	< 10	< 1	0.13	14	0.82	0.089	0.043	1.41	< 2	1	63	< 0.01	< 1	< 2	< 10	10	< 10	2	9	0.62
1430009432	33	405	5.12	< 10	< 1	0.06	< 10	3.35	0.023	0.028	0.56	3	8	65	0.12	< 1	< 2	< 10	89	< 10	3	4	1.25
1430009405	54	507	6.55	< 10	1	0.04	< 10	4.08	0.025	0.037	0.99	4	12	30	0.16	< 1	< 2	< 10	119	< 10	4	2	0.69
1430009367	44	436	4.48	< 10	< 1	0.02	< 10	2.85	0.051	0.021	0.67	4	6	41	0.25	< 1	< 2	< 10	73	< 10	3	2	0.49
1432032018	42	98	7.71	< 10	< 1	0.07	< 10	2.24	0.038	0.026	1.22	4	13	36	< 0.01	< 1	< 2	< 10	95	< 10	3	5	2.50
1310003530	11	8	2.53	< 10	< 1	0.25	12	1.40	0.158	0.039	0.65	< 2	1	159	0.05	< 1	< 2	< 10	16	< 10	3	19	0.16
1430009277	22	156	3.88	< 10	< 1	0.20	< 10	2.01	0.043	0.034	1.32	< 2	8	72	0.08	< 1	< 2	< 10	63	< 10	3	9	1.18
1317047139	19	176	4.71	< 10	< 1	0.26	19	0.98	0.188	0.073	0.91	2	6	150	0.22	< 1	< 2	< 10	86	< 10	6	14	0.51
1317047099	14	20	3.38	< 10	< 1	0.22	20	1.08	0.177	0.063	0.56	< 2	3	116	0.11	< 1	< 2	< 10	44	< 10	5	15	0.57
1432032034	43	85	6.95	< 10	2	0.07	< 10	2.50	0.040	0.028	0.31	4	12	38	< 0.01	< 1	< 2	< 10	71	< 10	2	4	2.32
F013694																							
F013720																							
1316028028	29	6	1.92	< 10	< 1	0.26	18	0.18	0.020	0.056	1.88	7	< 1	15	< 0.01	< 1	< 2	< 10	4	< 10	2	19	0.10
1430030073	7	6	1.94	< 10	< 1	0.20	< 10	0.95	0.054	0.038	1.84	2	< 1	44	< 0.01	3	< 2	< 10	5	< 10	1	7	0.63
1309002016	4	9	1.74	< 10	< 1	0.09	< 10	1.01	0.181	0.039	0.26	< 2	1	194	< 0.01	< 1	< 2	< 10	12	< 10	3	8	0.31
1309002378	10	152	2.88	< 10	< 1	0.31	12	1.65	0.278	0.043	0.71	< 2	2	262	0.06	< 1	< 2	< 10	21	< 10	3	18	0.13
1316027607	9	5	4.71	< 10	< 1	0.35	14	0.65	0.024	0.058	5.22	3	< 1	10	< 0.01	3	< 2	< 10	8	< 10	2	17	0.17

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1430015001	8	192	2.19	< 10	< 1	0.22	< 10	1.10	0.058	0.041	1.39	< 2	< 1	48	< 0.01	< 1	< 2	< 10	7	< 10	1	7	0.87
1430030191	7	7	1.94	< 10	< 1	0.14	< 10	1.22	0.032	0.037	1.79	4	< 1	44	< 0.01	7	< 2	< 10	5	< 10	1	6	0.68
1316027076	7	16	1.62	< 10	< 1	0.23	11	0.55	0.027	0.041	1.12	< 2	1	24	< 0.01	< 1	< 2	< 10	9	< 10	2	14	0.91
1430030119	9	106	2.21	< 10	< 1	0.29	< 10	1.00	0.069	0.045	2.28	5	< 1	47	< 0.01	1	< 2	< 10	6	< 10	1	8	0.70
1309002383	14	26	2.27	< 10	< 1	0.21	13	1.68	0.135	0.042	0.42	< 2	2	137	0.02	< 1	< 2	< 10	21	< 10	3	13	0.24
1316028034	9	7	3.01	< 10	1	0.21	17	0.64	0.031	0.044	2.72	3	< 1	25	< 0.01	< 1	< 2	< 10	8	< 10	2	22	0.30
1430030144	10	6	2.46	< 10	< 1	0.18	< 10	0.76	0.070	0.053	2.23	6	< 1	64	< 0.01	< 1	< 2	< 10	5	< 10	2	11	0.57
1430015056	13	5	3.31	< 10	< 1	0.15	< 10	0.48	0.045	0.036	1.96	< 2	< 1	31	< 0.01	< 1	< 2	< 10	6	< 10	1	8	0.34
1309002371	15	183	2.83	< 10	< 1	0.14	17	2.06	0.155	0.067	0.80	2	3	122	< 0.01	< 1	< 2	< 10	30	< 10	3	12	0.92
1316027110	12	7	6.60	< 10	1	0.26	24	0.46	0.021	0.065	7.93	5	1	10	< 0.01	1	< 2	< 10	9	< 10	3	31	0.16
1316027175	9	11	3.93	< 10	< 1	0.32	12	1.71	0.028	0.043	2.88	3	1	12	0.01	< 1	< 2	< 10	16	< 10	2	19	0.25
1317052021	11	5	2.53	< 10	< 1	0.33	19	0.69	0.037	0.056	2.25	< 2	< 1	23	< 0.01	< 1	< 2	< 10	7	< 10	2	11	0.63
1317052018	10	7	2.81	< 10	< 1	0.31	16	1.19	0.033	0.050	2.02	7	1	36	< 0.01	< 1	< 2	< 10	12	< 10	2	13	0.85
F012541																							
1310005607	8	7	3.71	< 10	< 1	0.23	14	0.91	0.108	0.043	2.42	< 2	< 1	51	0.02	3	< 2	< 10	9	< 10	2	18	0.14
1316025025	8	5	2.63	< 10	< 1	0.24	10	0.84	0.027	0.042	2.30	< 2	< 1	32	< 0.01	< 1	< 2	< 10	5	< 10	2	15	0.68
1315018217	12	6	2.49	< 10	< 1	0.29	14	0.41	0.019	0.048	2.32	2	< 1	24	< 0.01	1	< 2	< 10	5	< 10	2	17	0.34
1431031808	9	11	2.60	< 10	< 1	0.18	12	0.85	0.092	0.043	1.62	3	1	38	0.02	2	< 2	< 10	15	< 10	3	12	0.59
1430007172	36	305	5.05	< 10	2	0.05	< 10	2.82	0.017	0.028	1.01	3	14	97	< 0.01	< 1	< 2	< 10	86	< 10	3	4	1.53
1315018200	7	8	3.34	< 10	< 1	0.26	16	0.70	0.015	0.042	2.61	2	< 1	17	0.02	< 1	< 2	< 10	6	< 10	1	19	0.29
1430007275	16	28	3.44	< 10	< 1	0.09	16	1.15	0.043	0.061	0.39	< 2	3	30	0.01	< 1	< 2	< 10	38	< 10	4	7	0.44
1430007321	21	6	2.74	< 10	< 1	0.05	28	0.36	0.072	0.049	2.35	< 2	1	38	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.09
1316025092	22	272	3.37	< 10	< 1	0.26	24	2.69	0.038	0.087	1.74	< 2	8	93	0.02	< 1	< 2	< 10	46	< 10	5	18	1.71
1430007211	52	452	6.68	< 10	< 1	0.10	< 10	3.32	0.021	0.027	3.34	3	13	30	0.13	< 1	< 2	< 10	100	< 10	4	4	0.77
1316025119	7	124	2.23	< 10	< 1	0.26	12	1.52	0.074	0.038	1.81	4	< 1	41	0.02	< 1	< 2	< 10	10	< 10	2	19	0.33
1430007268	20	28	3.59	< 10	< 1	0.15	13	1.02	0.041	0.049	1.43	< 2	3	15	0.01	< 1	< 2	< 10	40	< 10	4	7	0.14
1430007244	40	108	8.81	10	1	0.01	< 10	2.75	0.020	0.046	1.09	3	10	25	0.25	< 1	< 2	< 10	179	< 10	7	4	0.35
1430007251	20	19	3.04	< 10	< 1	0.10	12	0.81	0.040	0.045	1.57	< 2	2	19	0.04	< 1	< 2	< 10	26	< 10	3	6	0.09
1316025030	13	6	1.61	< 10	< 1	0.23	< 10	0.30	0.036	0.040	0.99	< 2	< 1	40	< 0.01	< 1	< 2	< 10	6	< 10	1	9	0.22
F014055																							
1430008052	9	4	2.35	< 10	< 1	0.15	< 10	0.90	0.034	0.041	2.23	4	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	1	7	1.11
1430008084	9	3	2.19	< 10	< 1	0.26	< 10	0.74	0.046	0.040	2.22	8	< 1	23	< 0.01	< 1	< 2	< 10	4	< 10	1	8	0.92
1316030112	8	8	3.21	< 10	< 1	0.54	< 10	0.64	0.013	0.031	2.59	< 2	< 1	70	0.03	< 1	< 2	< 10	7	< 10	1	18	0.50
1316030131	11	6	2.84	< 10	< 1	0.27	19	0.40	0.024	0.050	2.84	3	< 1	28	< 0.01	2	< 2	< 10	7	< 10	2	21	0.20
1316030027	11	7	2.64	< 10	< 1	0.22	28	1.02	0.039	0.058	1.53	< 2	2	38	0.03	< 1	< 2	< 10	16	< 10	4	21	0.36
1316028048	18	174	3.68	< 10	< 1	0.38	12	0.23	0.019	0.060	4.24	14	< 1	15	< 0.01	< 1	< 2	< 10	6	< 10	2	23	0.19
1316028094	5	5	1.75	< 10	< 1	0.27	12	0.09	0.019	0.045	1.97	11	< 1	34	< 0.01	< 1	< 2	< 10	3	< 10	1	12	0.47
1316030109	8	8	3.40	< 10	< 1	0.44	15	0.75	0.016	0.035	2.60	< 2	< 1	38	0.03	< 1	< 2	< 10	8	< 10	1	20	0.29
1316028233	127	561	6.61	< 10	1	0.19	< 10	2.30	0.031	0.034	3.34	5	3	46	0.06	< 1	< 2	< 10	41	< 10	2	12	0.61
1430008038	8	5	2.17	< 10	< 1	0.12	< 10	0.86	0.056	0.047	0.97	< 2	< 1	40	< 0.01	< 1	< 2	< 10	6	< 10	1	7	0.83
1316030141	7	6	3.02	< 10	< 1	0.24	15	1.17	0.013	0.032	1.91	3	< 1	16	0.05	< 1	< 2	< 10	8	< 10	2	22	0.12
1430008024	8	5	2.39	< 10	< 1	0.17	14	1.25	0.062	0.048	1.67	< 2	< 1	42	< 0.01	< 1	< 2	< 10	6	< 10	2	8	1.06
1316025187	9	9	2.89	< 10	< 1	0.30	15	1.16	0.152	0.049	2.60	< 2	1	52	0.02	< 1	< 2	< 10	14	< 10	3	25	0.39
1315016011	11	18	5.11	< 10	< 1	0.33	12	1.48	0.055	0.044	4.26	< 2	2	18	0.02	< 1	< 2	< 10	24	< 10	2	21	0.11
1431031120	11	5	2.51	< 10	< 1	0.28	22	0.61	0.022	0.058	2.07	3	< 1	24	< 0.01	< 1	< 2	< 10	9	< 10	3	18	0.39
1430008245	8	167	2.19	< 10	< 1	0.22	< 10	1.05	0.108	0.041	1.92	< 2	1	91	< 0.01	< 1	< 2	< 10	9	< 10	1	11	0.85
1430030257	10	7	2.55	< 10	< 1	0.18	< 10	0.58	0.037	0.042	2.24	3	< 1	39	< 0.01	< 1	< 2	< 10	6	< 10	< 1	8	0.37
1316028244																							
1316028187	11	235	3.81	< 10	< 1	0.35	10	0.16	0.017	0.044	4.25	9	< 1	22	< 0.01	< 1	< 2	< 10	7	< 10	2	16	0.69
F014078																							
1317047623	14	27	2.93	< 10	< 1	0.39	18	1.17	0.066	0.058	0.14	< 2	4	84	0.11	< 1	< 2	< 10	44	< 10	4	15	0.85

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1317047110	15	26	3.48	< 10	< 1	0.31	15	1.10	0.131	0.059	0.38	< 2	4	118	0.14	< 1	< 2	< 10	57	< 10	5	11	0.61
1317047001	28	233	6.42	< 10	< 1	0.56	10	1.01	0.158	0.057	2.73	3	7	59	0.21	< 1	< 2	< 10	139	< 10	6	10	0.45
1317047629	10	22	2.37	< 10	< 1	0.21	17	1.00	0.061	0.057	0.43	< 2	3	68	0.11	< 1	< 2	< 10	29	< 10	3	14	0.59
1316023043	7	7	3.47	< 10	< 1	0.26	13	0.80	0.019	0.042	1.80	2	< 1	20	0.05	< 1	< 2	< 10	10	< 10	2	26	0.21
1317047630	10	314	2.40	< 10	< 1	0.25	16	0.82	0.066	0.048	0.58	< 2	2	47	0.09	< 1	< 2	< 10	22	< 10	3	13	0.59
1316023001	8	5	2.60	< 10	< 1	0.20	< 10	0.82	0.015	0.040	1.95	< 2	< 1	25	< 0.01	< 1	< 2	< 10	5	< 10	2	15	0.62
1317049058	8	14	1.96	< 10	< 1	0.18	12	0.74	0.142	0.044	0.56	< 2	1	64	< 0.01	2	< 2	< 10	11	< 10	3	12	0.28
1316023087	7	264	3.93	< 10	< 1	0.30	14	0.61	0.017	0.045	3.33	4	< 1	17	< 0.01	< 1	< 2	< 10	7	< 10	2	26	0.33
1310004072	8	287	3.63	< 10	< 1	0.22	< 10	0.99	0.069	0.037	1.81	< 2	< 1	57	< 0.01	< 1	< 2	< 10	10	< 10	2	14	0.19
1310004025	4	9	1.60	< 10	< 1	0.11	< 10	0.86	0.208	0.040	0.57	< 2	1	184	< 0.01	< 1	< 2	< 10	11	< 10	2	11	0.14
1316023007	8	6	2.81	< 10	1	0.24	15	0.59	0.020	0.044	2.02	3	< 1	17	< 0.01	< 1	< 2	< 10	6	< 10	1	17	0.34
1316023157	10	6	2.54	< 10	< 1	0.18	13	0.76	0.029	0.045	1.70	< 2	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	2	15	0.06
1310004074	10	36	3.54	< 10	< 1	0.29	28	1.23	0.060	0.079	1.02	< 2	3	107	0.05	< 1	< 2	< 10	27	< 10	4	15	0.52
1316023112	7	219	3.31	< 10	< 1	0.23	15	0.81	0.022	0.043	1.76	4	< 1	20	0.02	< 1	< 2	< 10	8	< 10	2	25	0.21
1310004600	7	9	1.77	< 10	< 1	0.12	< 10	0.80	0.234	0.039	0.89	< 2	1	204	0.01	< 1	< 2	< 10	11	< 10	3	11	0.15
1310004628	22	196	3.88	< 10	< 1	1.04	50	2.56	0.063	0.173	0.16	< 2	10	249	0.21	< 1	< 2	< 10	81	< 10	6	7	1.07
1317047045	13	272	2.84	< 10	< 1	0.21	20	1.15	0.140	0.064	0.30	< 2	3	163	0.03	< 1	< 2	< 10	33	< 10	4	11	0.95
1317049013	7	15	2.09	< 10	< 1	0.10	16	0.73	0.044	0.044	0.29	< 2	2	27	0.04	< 1	< 2	< 10	20	< 10	3	10	0.46
1430007146	30	405	4.20	< 10	< 1	0.14	< 10	1.72	0.073	0.040	1.24	2	5	43	0.19	< 1	< 2	< 10	66	< 10	4	6	0.49
1317049015	7	18	2.44	< 10	< 1	0.12	15	0.81	0.061	0.044	0.39	< 2	2	34	0.05	< 1	< 2	< 10	23	< 10	3	10	0.52
1317049808	8	11	2.45	< 10	< 1	0.14	16	0.79	0.136	0.045	0.60	< 2	2	82	0.01	< 1	< 2	< 10	16	< 10	3	10	0.57
1316023027	9	6	3.62	< 10	< 1	0.21	14	0.45	0.020	0.045	2.56	2	< 1	13	0.02	< 1	< 2	< 10	6	< 10	1	21	0.19
1316023094	10	5	2.81	< 10	< 1	0.19	< 10	0.37	0.020	0.042	2.80	< 2	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	1	14	0.48
1316023049	8	5	2.98	< 10	< 1	0.19	14	0.59	0.020	0.043	2.47	2	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	2	24	0.36
1430007182	38	330	5.06	< 10	< 1	0.06	< 10	2.84	0.029	0.022	1.28	2	6	32	0.18	< 1	< 2	< 10	78	< 10	3	2	1.30
F014077																							
1317049065	9	45	1.94	< 10	< 1	0.17	12	0.79	0.082	0.042	0.48	< 2	1	47	< 0.01	< 1	< 2	< 10	11	< 10	2	11	0.48
1317049001	7	10	2.06	< 10	< 1	0.19	14	0.68	0.183	0.043	0.39	< 2	1	167	0.07	< 1	< 2	< 10	14	< 10	3	10	0.54
1316023165	9	5	2.19	< 10	< 1	0.25	11	0.56	0.021	0.039	1.89	2	< 1	24	< 0.01	< 1	< 2	< 10	4	< 10	1	13	0.59
1317049024	8	14	2.36	< 10	< 1	0.14	14	0.98	0.102	0.045	0.67	< 2	2	51	< 0.01	< 1	< 2	< 10	16	< 10	3	11	0.69
1310005029	9	6	4.24	< 10	< 1	0.18	13	1.23	0.034	0.039	1.68	< 2	< 1	22	0.03	< 1	< 2	< 10	10	< 10	2	18	0.09
1430007339	43	78	6.51	< 10	< 1	0.06	14	1.75	0.012	0.028	2.31	2	11	6	< 0.01	< 1	< 2	< 10	112	< 10	7	10	0.04
1430007327	18	240	2.77	< 10	< 1	0.08	17	0.46	0.091	0.033	2.47	< 2	1	41	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.04
1430007334	52	86	10.4	< 10	1	0.05	< 10	1.78	0.012	0.014	8.53	3	14	4	< 0.01	< 1	< 2	< 10	129	< 10	5	11	0.10
1430007169	14	251	2.45	< 10	< 1	0.15	13	1.16	0.049	0.036	0.21	< 2	4	65	< 0.01	< 1	< 2	< 10	28	< 10	2	8	0.72
1317049976	7	6	1.81	< 10	< 1	0.19	11	0.98	0.054	0.038	0.81	< 2	< 1	57	< 0.01	< 1	< 2	< 10	6	< 10	2	7	1.12
1317049702	10	25	1.92	< 10	< 1	0.15	12	0.99	0.053	0.038	0.82	< 2	< 1	57	< 0.01	< 1	< 2	< 10	9	< 10	2	9	0.87
1316024106	10	7	2.51	< 10	< 1	0.17	25	0.84	0.079	0.060	1.26	3	1	55	0.01	< 1	< 2	< 10	15	< 10	3	13	0.33
1317049635	10	207	2.28	< 10	< 1	0.24	15	0.93	0.138	0.046	0.73	< 2	2	67	0.01	< 1	< 2	< 10	18	< 10	3	11	0.60
2023011701	11	11	2.37	< 10	< 1	0.15	14	0.73	0.084	0.046	1.24	2	1	33	0.03	< 1	< 2	< 10	19	< 10	2	12	0.37
1316024017	10	5	2.39	< 10	< 1	0.26	11	0.42	0.024	0.043	2.25	< 2	< 1	29	< 0.01	< 1	< 2	< 10	5	< 10	2	13	0.53
1310005018	7	6	3.48	< 10	< 1	0.20	13	1.11	0.099	0.038	2.39	< 2	< 1	62	0.02	< 1	< 2	< 10	8	< 10	2	19	0.10
F014073																							

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
STUG22-1305	2.26	
1317045075	0.41	
1430014140	0.95	
1430014177	1.10	
1317045143	0.52	
1431095040	0.58	
1431095001	1.26	
1317045082	0.15	
1430006101	1.62	
1317045324	0.43	
1430006023	1.05	
1317045019	0.62	
1431095002	3.12	
1431095022	0.68	
1317045093	0.63	
1430006085	1.85	
1317045002	0.62	
1317045035	0.30	
1430006068	0.59	
F013763		
F013717		
1430006287	0.69	
1430006256	0.83	
1430006255	0.98	
1317045102	2.80	
1430009331	2.02	
1310002121	1.35	
1430009299	1.19	
1310002113	0.82	
1310002103	2.64	
1310003519	2.60	
MUG23-0155	2.08	
1310003074	1.42	
1430009235	1.00	
1430009361	1.26	
1430009432	0.64	
1430009405	1.08	
1430009367	0.74	
1432032018	1.33	
1310003530	0.63	
1430009277	1.26	
1317047139	0.87	
1317047099	0.55	
1432032034	0.39	
F013694		
F013720		
1316028028	1.74	
1430030073	1.61	
1309002016	0.26	
1309002378	0.70	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1316027607	4.93	
1430015001	1.35	
1430030191	1.60	
1316027076	0.99	
1430030119	2.14	
1309002383	0.39	
1316028034	2.57	
1430030144	2.07	
1430015056	1.82	
1309002371	0.75	
1316027110	7.36	
1316027175	2.82	7.10
1317052021	1.98	
1317052018	1.83	
F012541		
1310005607	2.19	
1316025025	2.11	
1315018217	2.13	
1431031808	1.59	
1430007172	1.25	
1315018200	2.46	
1430007275	0.36	
1430007321	1.95	
1316025092	1.87	
1430007211	3.83	
1316025119	1.82	
1430007268	1.39	
1430007244	1.36	
1430007251	1.57	
1316025030	0.82	
F014055		
1430008052	2.04	
1430008084	2.03	
1316030112	2.47	
1316030131	2.61	
1316030027	1.56	
1316028048	3.53	
1316028094	1.44	
1316030109	2.53	
1316028233	3.69	
1430008038	0.85	
1316030141	1.88	
1430008024	1.71	
1316025187	2.48	
1315016011	4.33	
1431031120	1.90	
1430008245	1.61	
1430030257	2.10	
1316028244		
1316028187	3.94	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
F014078		
1317047623	0.15	
1317047110	0.38	
1317047001	2.94	
1317047629	0.41	
1316023043	1.78	
1317047630	0.51	
1316023001	1.87	
1317049058	0.52	
1316023087	3.20	
1310004072	1.86	
1310004025	0.55	
1316023007	1.93	
1316023157	1.59	
1310004074	0.98	
1316023112	1.65	
1310004600	0.82	
1310004628	0.18	
1317047045	0.30	
1317049013	0.26	
1430007146	1.37	
1317049015	0.35	
1317049808	0.51	
1316023027	2.30	
1316023094	2.70	
1316023049	2.39	
1430007182	1.55	
F014077		
1317049065	0.45	
1317049001	0.36	
1316023165	1.84	
1317049024	0.61	
1310005029	1.70	
1430007339	2.47	
1430007327	2.31	
1430007334	9.37	
1430007169	0.19	
1317049976	0.69	
1317049702	0.70	
1316024106	1.29	
1317049635	0.69	
2023011701	0.97	
1316024017	2.08	
1310005018	2.44	
F014073		

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Meas								42.1															
BaSO4 Cert								41.94															
BaSO4 Meas								42.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								40.2															
BaSO4 Cert								41.94															
BaSO4 Meas								43.5															
BaSO4 Cert								41.94															
BaSO4 Meas								44.9															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								40.7															
BaSO4 Cert								41.94															
BaSO4 Meas								40.9															
BaSO4 Cert								41.94															
BaSO4 Meas								41.5															
BaSO4 Cert								41.94															
BaSO4 Meas								41.9															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.1															
BaSO4 Cert								41.94															
BaSO4 Meas								40.5															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.9															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								41.4															
BaSO4 Cert								41.94															
BaSO4 Meas								40.3															
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															
BaSO4 Cert								41.94															
BaSO4 Meas								42.0															
BaSO4 Cert								41.94															
BaSO4 Meas								41.2															
BaSO4 Cert								41.94															
BaSO4 Meas								41.1															

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Cert								41.94															
BaSO4 Meas								41.0															
BaSO4 Cert								41.94															
BaSO4 Meas								41.6															
BaSO4 Cert								41.94															
BaSO4 Meas								41.2															
BaSO4 Cert								41.94															
RTS-3a Meas								29.5															
RTS-3a Cert								29.90															
RTS-3a Meas								29.3															
RTS-3a Cert								29.90															
RTS-3a Meas								31.5															
RTS-3a Cert								29.90															
RTS-3a Meas								28.9															
RTS-3a Cert								29.90															
RTS-3a Meas								29.7															
RTS-3a Cert								29.90															
RTS-3a Meas								29.3															
RTS-3a Cert								29.90															
RTS-3a Meas								29.6															
RTS-3a Cert								29.90															
RTS-3a Meas								29.9															
RTS-3a Cert								29.90															
RTS-3a Meas								29.3															
RTS-3a Cert								29.90															
RTS-3a Meas								29.1															
RTS-3a Cert								29.90															
RTS-3a Meas								29.4															
RTS-3a Cert								29.90															
RTS-3a Meas								29.4															
RTS-3a Cert								29.90															
RTS-3a Meas								29.8															
RTS-3a Cert								29.90															
RTS-3a Meas								29.3															
RTS-3a Cert								29.90															
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.05															
SiO2 Cert																							
SiO2 Meas								0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.11															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								< 0.05															
SiO2 Cert																							
SiO2 Meas								0.07															
SiO2 Cert																							
NBM-1 (slight fzz)			8.63																				

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.63																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.66																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.79																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.51																				
NBM-1 (slight fzz) Cert			8.53																				
OREAS 922 (AQUA REGIA) Meas									0.8	< 0.5	2200	774	< 1	35	49	261	2.70	6		72	0.7	6	0.36
OREAS 922 (AQUA REGIA) Cert									0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324
OREAS 923 (AQUA REGIA) Meas									1.6	< 0.5	4090	853	< 1	33	67	323	2.69	5		56	0.6	13	0.35
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas											310	161	< 1	215	7	23	6.04			138	1.0	< 2	0.07
OREAS 45f (Aqua Regia) Cert											336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750
OREAS 238 (Fire Assay) Meas	2940																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3030																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire	3130																						

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
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GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	507																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	522																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	514																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	503																						
Oreas E1336 (Fire	510																						

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	513																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	514																						
Oreas E1336 (Fire Assay) Cert	510																						
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
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GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									42.2	167	1910	469	9	15	> 5000	> 10000	1.26	51		21	0.6	< 2	1.30
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6	2	1.29
1317045324 Orig	28							0.37															
1317045324 Dup	28							0.36															
1431095002 Orig									0.6	< 0.5	272	857	3	51	< 2	63	2.25	9	< 10	20	< 0.5	< 2	1.57
1431095002 Dup									0.6	< 0.5	274	851	3	52	< 2	62	2.24	7	< 10	20	< 0.5	< 2	1.57
1430006085 Orig	50																						

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1430006085 Dup	50																						
1430006068 Orig								0.37															
1430006068 Dup								0.38															
1430006256 Orig																							
1430006256 Dup																							
1310002113 Orig									0.7	1.4	56	573	2	7	5	140	1.25	< 2	< 10	115	< 0.5	< 2	1.85
1310002113 Dup									0.9	1.3	59	570	2	6	4	136	1.23	2	< 10	92	< 0.5	< 2	1.83
1310003519 Orig	149																						
1310003519 Dup	134																						
1310003074 Orig																							
1310003074 Dup																							
1430009235 Orig								0.49															
1430009235 Dup								0.46															
1317047139 Orig	223								0.6	< 0.5	57	1100	< 1	30	8	208	2.95	12	< 10	72	< 0.5	< 2	2.66
1317047139 Dup	248								0.7	< 0.5	55	1080	< 1	31	8	210	2.90	9	< 10	71	< 0.5	< 2	2.62
1317047099 Orig								0.40															
1317047099 Dup								0.38															
1432032034 Orig																							
1432032034 Dup																							
1309002378 Orig		Slight		0.565	18.7	1.03	18.18																
1309002378 Dup		Slight		0.523	18.7	1.03	18.18																
1316027076 Orig	49																						
1316027076 Dup	46																						
1309002383 Orig																							
1309002383 Dup																							
1430030144 Orig								0.63	5.0	0.6	42	724	3	12	27	207	1.01	78	< 10	37	< 0.5	< 2	1.03
1430030144 Dup								0.63	5.1	0.6	42	725	4	12	27	203	1.01	78	< 10	36	< 0.5	< 2	1.03
1316027175 Orig																							
1316027175 Dup																							
1316025025 Orig	753																						
1316025025 Dup	821																						
1315018217 Orig								0.77															
1315018217 Dup								0.74															
1430007211 Orig			8.75																				
1430007211 Dup			8.75																				
1430007244 Orig																							
1430007244 Dup																							
1316025030 Orig	58																						
1316025030 Dup	54																						
1430008052 Orig								0.59															
1430008052 Dup								0.59															
1430008084 Orig									13.0	< 0.5	28	2080	< 1	10	60	185	0.69	207	< 10	34	< 0.5	< 2	1.63
1430008084 Dup									14.0	< 0.5	28	2110	< 1	11	59	180	0.71	209	< 10	35	< 0.5	< 2	1.65
1316028233 Orig	349																						
1316028233 Dup	353																						
1430008038 Orig								0.42															
1430008038 Dup								0.40															
1430008245 Orig									1.4	< 0.5	24	586	< 1	16	36	144	1.67	36	< 10	48	< 0.5	< 2	2.19
1430008245 Dup									1.6	< 0.5	24	574	< 1	16	35	137	1.66	35	< 10	48	< 0.5	< 2	2.16

Analyte Symbol	Au	Fizz Rating	Paste pH	NNP	Modified-NP	NPR	AP (Sulphide)	SO4	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	ppb	-	pH	-	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	5		0.01				0.01	0.05	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	FA-AA	none	pH Meter	Calc	TITR	Calc	Calc	SO4	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1430030257 Orig		None		-41.4	17.7	0.300	59.12																
1430030257 Dup		None		-40.8	18.3	0.310	59.12																
1316028187 Orig									2.8	4.6	106	599	1	37	852	1490	0.76	438	< 10	34	< 0.5	< 2	2.13
1316028187 Dup									2.9	4.3	105	588	< 1	38	816	1420	0.75	405	< 10	33	< 0.5	< 2	2.08
1317047623 Orig	15																						
1317047623 Dup	12																						
1317047629 Orig								0.41															
1317047629 Dup								0.41															
1310004072 Orig									0.4	< 0.5	102	293	< 1	16	5	37	2.25	7	< 10	51	< 0.5	3	0.79
1310004072 Dup									0.4	< 0.5	102	289	< 1	17	4	36	2.22	7	< 10	49	< 0.5	3	0.79
1310004025 Orig	299																						
1310004025 Dup	332																						
1316023157 Orig								0.42															
1316023157 Dup								0.38															
1317049015 Orig																							
1317049015 Dup																							
1316023027 Orig	847																						
1316023027 Dup	866																						
1316023094 Orig									0.9	10.2	60	785	< 1	11	10	2620	0.58	146	< 10	28	< 0.5	< 2	1.00
1316023094 Dup									0.9	10.3	58	776	< 1	10	10	2660	0.58	143	< 10	28	< 0.5	< 2	0.99
1430007182 Orig								0.75															
1430007182 Dup								0.76															
1430007339 Orig																							
1430007339 Dup																							
1430007169 Orig	26							0.38															
1430007169 Dup	26							0.36															
1317049635 Orig	65																						
1317049635 Dup	65																						
2023011701 Orig									1.5	< 0.5	29	1080	< 1	12	48	156	1.76	59	< 10	24	< 0.5	< 2	1.91
2023011701 Dup									1.6	< 0.5	30	1080	< 1	12	48	156	1.83	59	< 10	24	< 0.5	< 2	1.92
1310005018 Orig	108																						
1310005018 Dup	109																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
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Method Blank	< 5																						
Method Blank	< 5																						
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01
Method Blank									< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
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BaSO4 Meas																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
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RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																							1.14
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11
GS311-4 Meas																							1.08
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.09
GS311-4 Cert																							1.11

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.06
GS311-4 Cert																							1.11
GS311-4 Meas																							1.03
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							0.01
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	19	44	5.11	< 10		0.37	34	1.26	0.024	0.063	0.36	< 2	4	16			< 2	< 10	32	< 10	16	21	
OREAS 922 (AQUA REGIA) Cert	19.4	40.7	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	22	40	5.74	< 10		0.31	30	1.31		0.059	0.65	< 2	3	14			< 2	< 10	31	< 10	14	26	
OREAS 923 (AQUA REGIA) Cert	22.2	39.4	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	38	333	12.2	20	< 1	0.08	< 10	0.15	0.038	0.020	0.02		30	14	0.13		< 2	< 10	187		5	19	
OREAS 45f (Aqua Regia) Cert	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
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Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
GS317-5 Meas																							8.45
GS317-5 Cert																							8.46
GS317-5 Meas																							8.23
GS317-5 Cert																							8.46

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
GS317-5 Meas																							8.18
GS317-5 Cert																							8.46
GS317-5 Meas																							8.02
GS317-5 Cert																							8.46
GS317-5 Meas																							8.27
GS317-5 Cert																							8.46
GS317-5 Meas																							8.26
GS317-5 Cert																							8.46
GS317-5 Meas																							8.23
GS317-5 Cert																							8.46
GS317-5 Meas																							8.24
GS317-5 Cert																							8.46
GS317-5 Meas																							8.37
GS317-5 Cert																							8.46
GS317-5 Meas																							8.19
GS317-5 Cert																							8.46
GS317-5 Meas																							8.14
GS317-5 Cert																							8.46
GS317-5 Meas																							8.20
GS317-5 Cert																							8.46
GS317-5 Meas																							8.07
GS317-5 Cert																							8.46
GS317-5 Meas																							7.63
GS317-5 Cert																							8.46
GS317-5 Meas																							8.20
GS317-5 Cert																							8.46
GS317-5 Meas																							8.32
GS317-5 Cert																							8.46
Oreas 620 (Aqua Regia) Meas	14	18	2.78	< 10	2	0.28	25	0.27	0.116	0.033	2.70	66		20			< 2	< 10	9	< 10	7	55	
Oreas 620 (Aqua Regia) Cert	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20			0.5	2.2	7	0.79	7	57	
1317045324 Orig																							0.38
1317045324 Dup																							0.40
1431095002 Orig	42	221	8.15	< 10	1	0.06	< 10	2.25	0.039	0.055	2.78	3	9	29	0.32	< 1	< 2	< 10	152	< 10	7	7	
1431095002 Dup	42	221	8.15	< 10	< 1	0.06	< 10	2.26	0.036	0.055	2.79	4	8	29	0.32	< 1	< 2	< 10	151	< 10	7	7	
1430006085 Orig																							
1430006085 Dup																							
1430006068 Orig																							
1430006068 Dup																							
1430006256 Orig																							0.55
1430006256 Dup																							0.55
1310002113 Orig	6	83	2.01	< 10	< 1	0.25	47	0.52	0.068	0.073	0.95	< 2	< 1	124	< 0.01	1	< 2	< 10	7	< 10	5	15	
1310002113 Dup	7	81	2.02	< 10	< 1	0.25	46	0.51	0.064	0.071	0.96	< 2	< 1	120	< 0.01	2	< 2	< 10	7	< 10	5	9	
1310003519 Orig																							
1310003519 Dup																							
1310003074 Orig																							0.23
1310003074 Dup																							0.23
1430009235 Orig																							
1430009235 Dup																							
1317047139 Orig	19	176	4.71	< 10	< 1	0.26	19	0.98	0.188	0.073	0.91	2	6	150	0.22	< 1	< 2	< 10	86	< 10	6	14	
1317047139 Dup	19	169	4.61	< 10	< 1	0.26	19	0.97	0.186	0.071	0.89	< 2	6	148	0.21	2	< 2	< 10	84	< 10	6	14	

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1317047099 Orig																							
1317047099 Dup																							
1432032034 Orig																							2.32
1432032034 Dup																							2.31
1309002378 Orig																							
1309002378 Dup																							
1316027076 Orig																							
1316027076 Dup																							
1309002383 Orig																							0.24
1309002383 Dup																							0.23
1430030144 Orig	10	6	2.46	< 10	< 1	0.18	< 10	0.76	0.070	0.053	2.23	6	< 1	64	< 0.01	< 1	< 2	< 10	5	< 10	2	11	
1430030144 Dup	10	6	2.44	< 10	< 1	0.18	< 10	0.77	0.068	0.052	2.24	6	< 1	63	< 0.01	< 1	< 2	< 10	5	< 10	2	11	
1316027175 Orig																							
1316027175 Dup																							
1316025025 Orig																							
1316025025 Dup																							
1315018217 Orig																							0.34
1315018217 Dup																							0.34
1430007211 Orig																							
1430007211 Dup																							
1430007244 Orig																							0.35
1430007244 Dup																							0.35
1316025030 Orig																							
1316025030 Dup																							
1430008052 Orig																							
1430008052 Dup																							
1430008084 Orig	9	3	2.19	< 10	< 1	0.26	< 10	0.74	0.046	0.040	2.22	8	< 1	23	< 0.01	< 1	< 2	< 10	4	< 10	1	8	
1430008084 Dup	9	4	2.21	< 10	< 1	0.26	< 10	0.74	0.046	0.042	2.24	8	< 1	24	< 0.01	2	< 2	< 10	4	< 10	1	8	
1316028233 Orig																							0.61
1316028233 Dup																							0.62
1430008038 Orig																							
1430008038 Dup																							
1430008245 Orig	8	167	2.19	< 10	< 1	0.22	< 10	1.05	0.108	0.041	1.92	< 2	1	91	< 0.01	< 1	< 2	< 10	9	< 10	1	11	
1430008245 Dup	8	167	2.19	< 10	< 1	0.22	< 10	1.04	0.107	0.040	1.91	2	< 1	91	< 0.01	< 1	< 2	< 10	8	< 10	1	10	
1430030257 Orig																							
1430030257 Dup																							
1316028187 Orig	11	235	3.81	< 10	< 1	0.35	10	0.16	0.017	0.044	4.25	9	< 1	22	< 0.01	< 1	< 2	< 10	7	< 10	2	16	0.69
1316028187 Dup	11	232	3.73	< 10	< 1	0.35	10	0.17	0.018	0.043	4.15	9	< 1	21	< 0.01	< 1	< 2	< 10	7	< 10	2	16	0.66
1317047623 Orig																							
1317047623 Dup																							
1317047629 Orig																							
1317047629 Dup																							
1310004072 Orig	8	287	3.63	< 10	< 1	0.22	< 10	0.99	0.069	0.037	1.81	< 2	< 1	57	< 0.01	< 1	< 2	< 10	10	< 10	2	14	
1310004072 Dup	7	284	3.58	< 10	< 1	0.22	< 10	0.98	0.067	0.038	1.80	2	< 1	57	< 0.01	< 1	< 2	< 10	9	< 10	2	13	
1310004025 Orig																							0.14
1310004025 Dup																							0.15
1316023157 Orig																							
1316023157 Dup																							
1317049015 Orig																							0.52
1317049015 Dup																							0.48
1316023027 Orig																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1316023027 Dup																							
1316023094 Orig	10	5	2.81	< 10	< 1	0.19	< 10	0.37	0.020	0.042	2.80	< 2	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	1	14	
1316023094 Dup	10	5	2.74	< 10	< 1	0.19	< 10	0.37	0.020	0.042	2.74	< 2	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	1	13	
1430007182 Orig																							
1430007182 Dup																							
1430007339 Orig																							0.04
1430007339 Dup																							0.04
1430007169 Orig																							
1430007169 Dup																							
1317049635 Orig																							
1317049635 Dup																							
2023011701 Orig	11	11	2.37	< 10	< 1	0.15	14	0.73	0.084	0.046	1.24	2	1	33	0.03	< 1	< 2	< 10	19	< 10	2	12	
2023011701 Dup	11	11	2.38	< 10	< 1	0.15	14	0.74	0.086	0.046	1.23	< 2	1	34	0.03	< 1	< 2	< 10	19	< 10	2	12	
1310005018 Orig																							0.10
1310005018 Dup																							0.09
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	14.4	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	14.4	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	13.5	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
BaSO4 Meas		
BaSO4 Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
RTS-3a Meas		
RTS-3a Cert		
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
GS311-4 Meas	0.54	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.51	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.53	
GS311-4 Cert	0.54	
GS311-4 Meas	0.57	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
SiO2 Meas	0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	0.01	
SiO2 Cert		
SiO2 Meas	0.02	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
SiO2 Meas	< 0.01	
SiO2 Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz)		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz) Cert		
OREAS 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.95
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Assay) Cert		
GS316-3 Meas	0.37	
GS316-3 Cert	0.340	
GS316-3 Meas	0.32	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.34	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.31	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
GS316-3 Cert	0.340	
GS316-3 Meas	0.37	
GS316-3 Cert	0.340	
OREAS 257b (Fire Assay) Meas		14.1
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Assay) Cert		
GS317-5 Meas	15.1	
GS317-5 Cert	15.5	
GS317-5 Meas	14.7	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	15.1	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	15.1	
GS317-5 Cert	15.5	
GS317-5 Meas	15.0	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	15.1	
GS317-5 Cert	15.5	
GS317-5 Meas	15.1	
GS317-5 Cert	15.5	
GS317-5 Meas	15.2	
GS317-5 Cert	15.5	
GS317-5 Meas	14.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.4	
GS317-5 Cert	15.5	
GS317-5 Meas	15.5	
GS317-5 Cert	15.5	
Oreas 620 (Aqua Regia) Meas		
Oreas 620 (Aqua Regia) Cert		
1317045324 Orig	0.43	
1317045324 Dup	0.44	
1431095002 Orig		
1431095002 Dup		
1430006085 Orig		
1430006085 Dup		
1430006068 Orig		
1430006068 Dup		
1430006256 Orig	0.83	
1430006256 Dup	0.81	
1310002113 Orig		
1310002113 Dup		
1310003519 Orig		
1310003519 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1310003074 Orig	1.42	
1310003074 Dup	1.44	
1430009235 Orig		
1430009235 Dup		
1317047139 Orig		
1317047139 Dup		
1317047099 Orig		
1317047099 Dup		
1432032034 Orig	0.39	
1432032034 Dup	0.37	
1309002378 Orig		
1309002378 Dup		
1316027076 Orig		
1316027076 Dup		
1309002383 Orig	0.39	
1309002383 Dup	0.40	
1430030144 Orig		
1430030144 Dup		
1316027175 Orig		7.10
1316027175 Dup		6.86
1316025025 Orig	2.11	
1316025025 Dup	2.11	
1315018217 Orig	2.13	
1315018217 Dup	2.14	
1430007211 Orig		
1430007211 Dup		
1430007244 Orig	1.36	
1430007244 Dup	1.40	
1316025030 Orig		
1316025030 Dup		
1430008052 Orig		
1430008052 Dup		
1430008084 Orig		
1430008084 Dup		
1316028233 Orig	3.69	
1316028233 Dup	3.69	
1430008038 Orig		
1430008038 Dup		
1430008245 Orig		
1430008245 Dup		
1430030257 Orig		
1430030257 Dup		
1316028187 Orig	3.94	
1316028187 Dup	3.83	
1317047623 Orig		
1317047623 Dup		
1317047629 Orig		
1317047629 Dup		
1310004072 Orig		
1310004072 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1310004025 Orig	0.55	
1310004025 Dup	0.52	
1316023157 Orig		
1316023157 Dup		
1317049015 Orig	0.35	
1317049015 Dup	0.36	
1316023027 Orig		
1316023027 Dup		
1316023094 Orig		
1316023094 Dup		
1430007182 Orig		
1430007182 Dup		
1430007339 Orig	2.47	
1430007339 Dup	2.47	
1430007169 Orig		
1430007169 Dup		
1317049635 Orig		
1317049635 Dup		
2023011701 Orig		
2023011701 Dup		
1310005018 Orig	2.44	
1310005018 Dup	2.45	
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		
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Method Blank		