NEW GOLD RAINY RIVER MINE
APPENDIX A
GEOCHEMICAL MONITORING PLAN AND RESULTS

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Memorandum

To:	Ally Toure, Hydrogeologist
From:	Daniel Francis, Intermediate Geochemist
Cc:	Garnet Cornell – New Gold Inc.; Jared Robertson – Okane Consultants
Our ref:	1003-235-001
Date:	March 27, 2024
Re:	**Rainy River Mine 2023 Annual Geochemical Monitoring Report**

Okane Consultants (Okane) has prepared this annual geochemical monitoring report for the Rainy River Mine (RRM) operated by New Gold Inc. (New Gold). This geochemical monitoring report summarizes and interprets monitoring data collected between July 1, 2022, and June 30, 2023 with respect to requirements defined in the "Construction and Operation Phases Geochemical Monitoring Plan" (Geochemical Monitoring Plan; AFW, 2016).

Previously, annual geochemical reporting ranged from January 1 to December 31 of the reported year; however, due to delays in receipt of laboratory data resulting in incomplete data reporting in previous years, this reporting period has been adjusted to ensure a full year of monitoring data can be included in this annual report. It is acknowledged that a portion of the data reported in this report (July 1 to December 31, 2022) has already been reported in the 2022 Annual Geochemical Monitoring Report (Okane, 2023). This overlap will only occur for this reporting year (2023).

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 over the annual monitoring period;
- 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 6.0 x 5.1 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 annual monitoring period (July 2022 to June 2023), RRM collected and analyzed 29,619 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 from July 1, 2022 to June 30, 2023.

Geochemical Classification	No. of Samples	% of Open Pit Samples
PAG 1	683	2.3%
PAG 2/3	15,065	50.9%
NPAG	5,158	17.4%
HGO	4,863	16.4%
MGO	1,382	4.7%
LGO	2,376	8.0%
Overburden	92	0.3%
Total	**29,619**	**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 annual monitoring period, 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 from July 1, 2022 to June 30, 2023 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. Over the monitoring period, carbon and sulfur duplicate samples and ABA audit samples were submitted for 8.0% and 5.6% of samples collected, respectively. Sampling frequency for the QA program continues to achieve the target of the monitoring plan.

Assessment of Laboratory Duplicates

In annual monitoring period, 2,104 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 (USEPA) guidance (USEPA, 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 2,104 pairs of duplicate total carbon analyses. Of the 2,104 pairs, 2,075 (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.

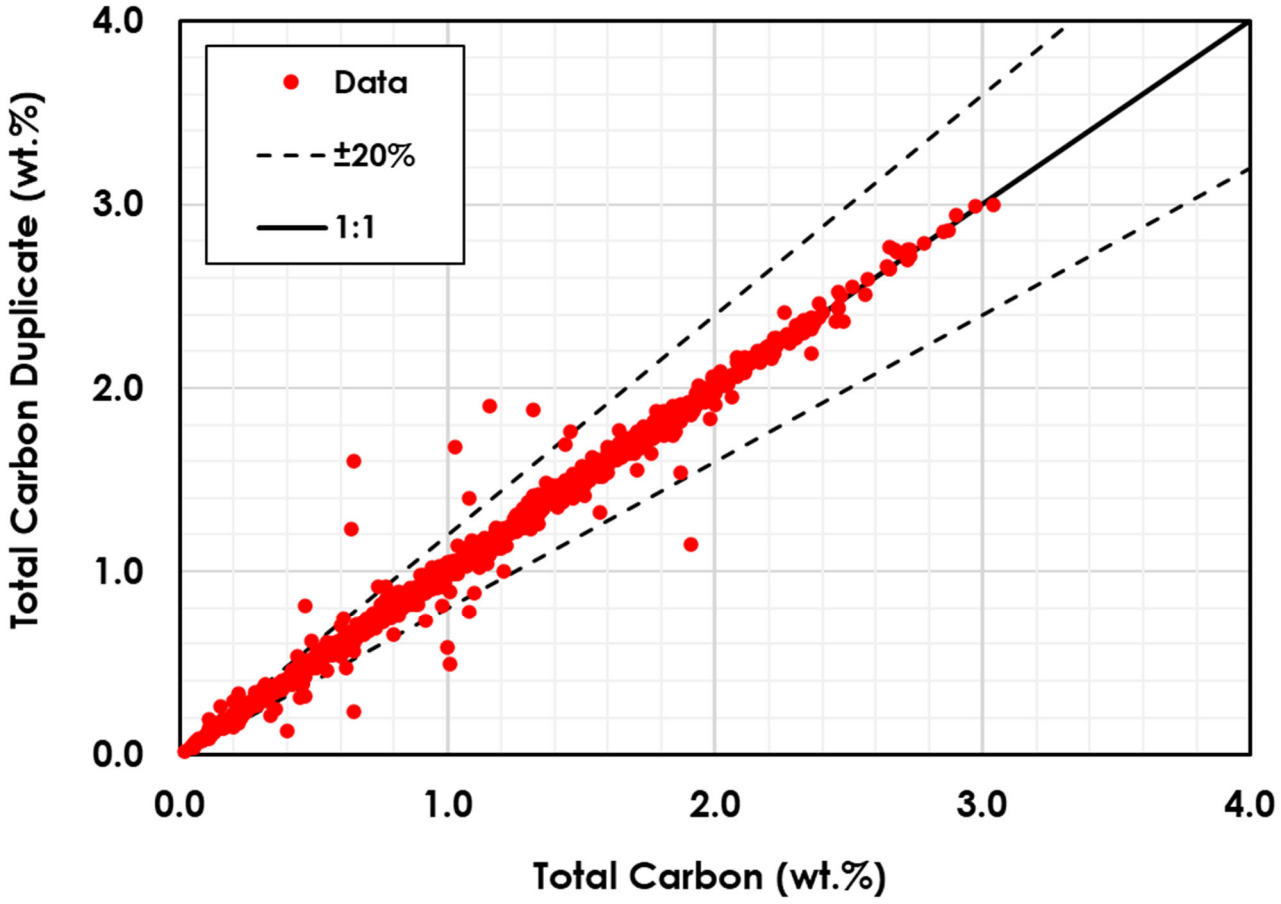

Figure 1: Comparison of original and duplicate carbon data from RRM onsite LECO facility.

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 2,104 pairs of duplicate total sulfur analyses. Of the 2,104 pairs, 2,045 (97.2%) 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.

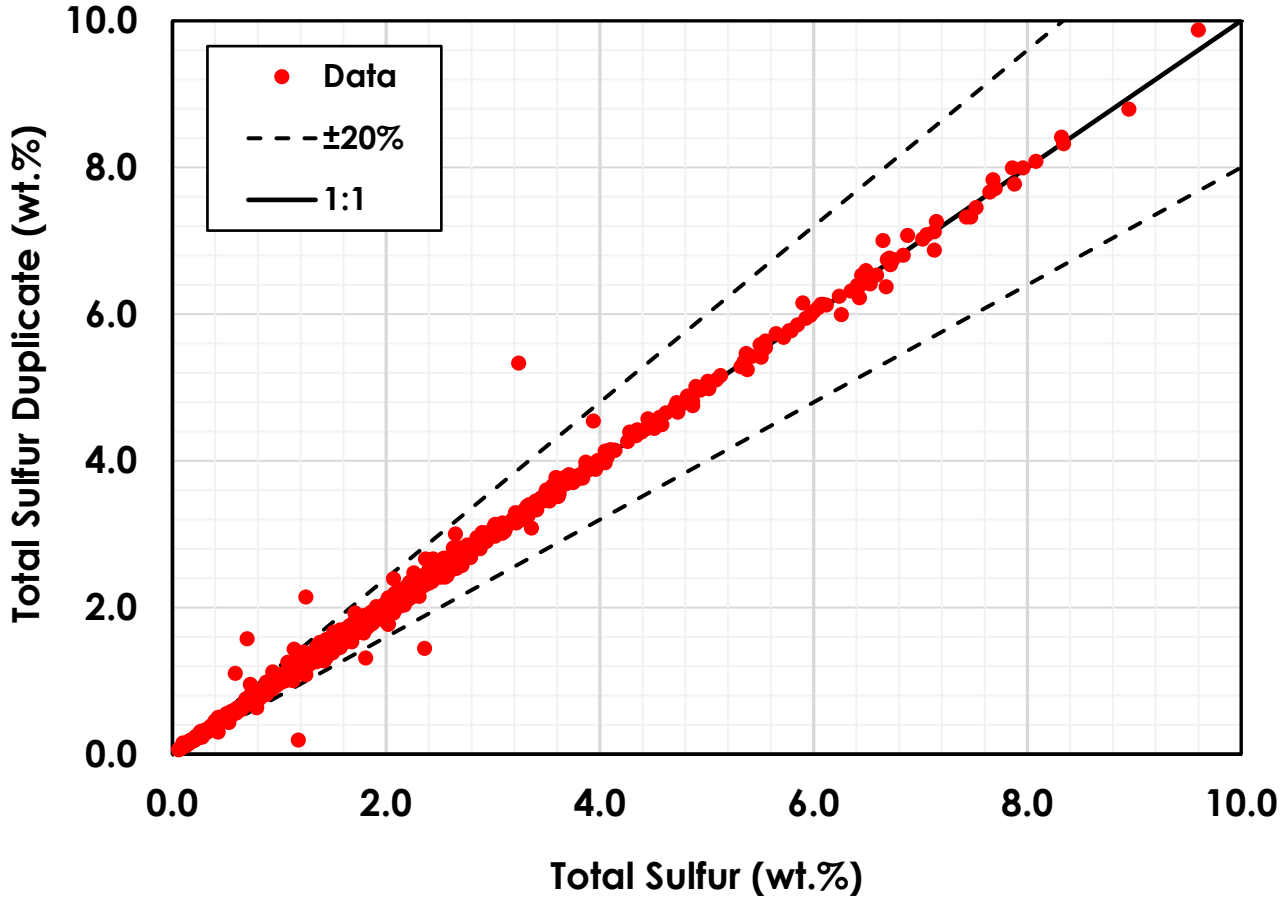

Figure 2: Comparison of original and duplicate sulfur data from RRM onsite LECO facility.

Acid-Base Accounting (ABA) Audit Results

Between July 1, 2022 and June 30, 2023, 1,672 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 now being 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 (1.20 and 1.22, respectively), which is

consistent with previous Annual Geochemical Monitoring Reports where generally, on-site and independent laboratory NPRs are in close agreement (Okane, 2020b, 2021, 2022, and 2023).

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

Descriptive Statistics	Modified Sobek NPR	LECO NPR
Sample Size	1,672	1,672
Minimum	0.003	0.02
Maximum	30,200	40.7
Median	1.20	1.22
Average	1.19	1.28
90th Percentile	6.29	5.03
10th Percentile	0.29	0.35

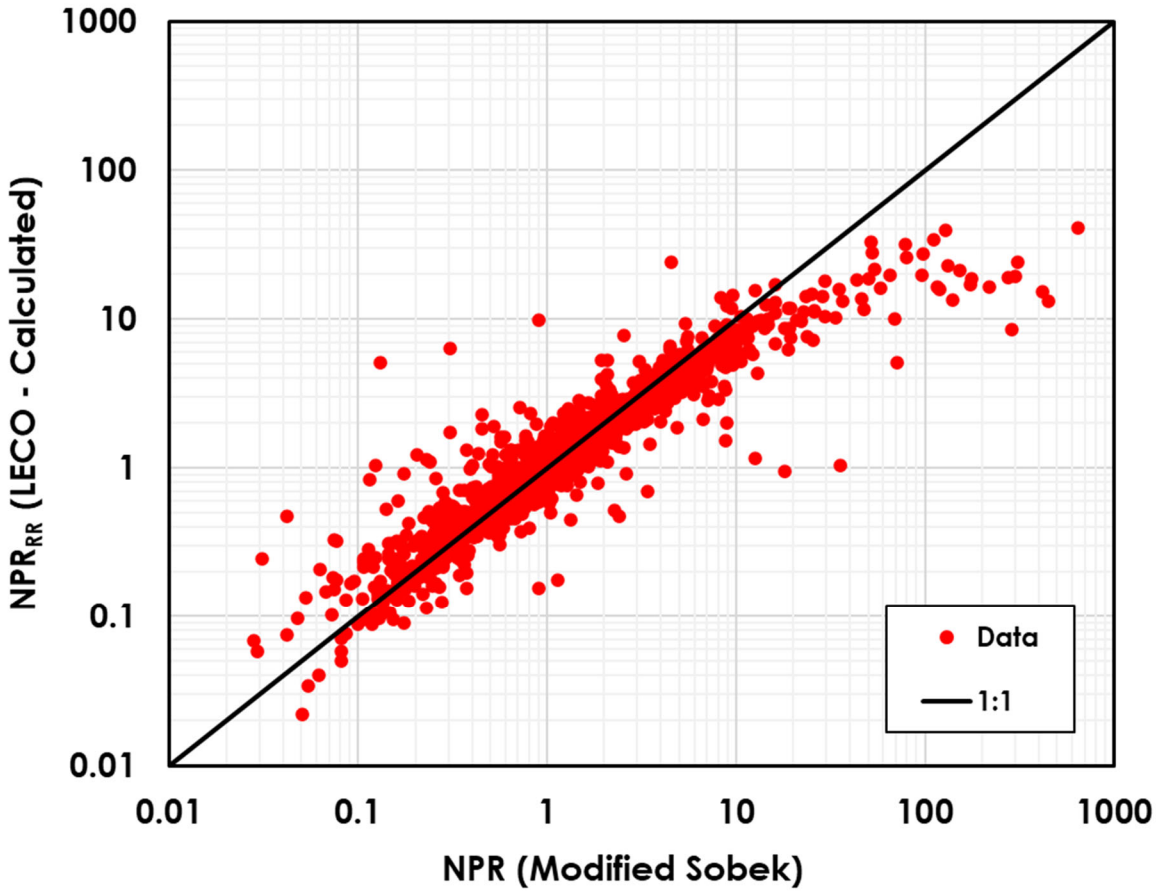

Figure 3: Scatter plot showing comparison of NPR calculated from on-site LECO carbon and sulfur to the modified Sobek method measured at an independent laboratory.

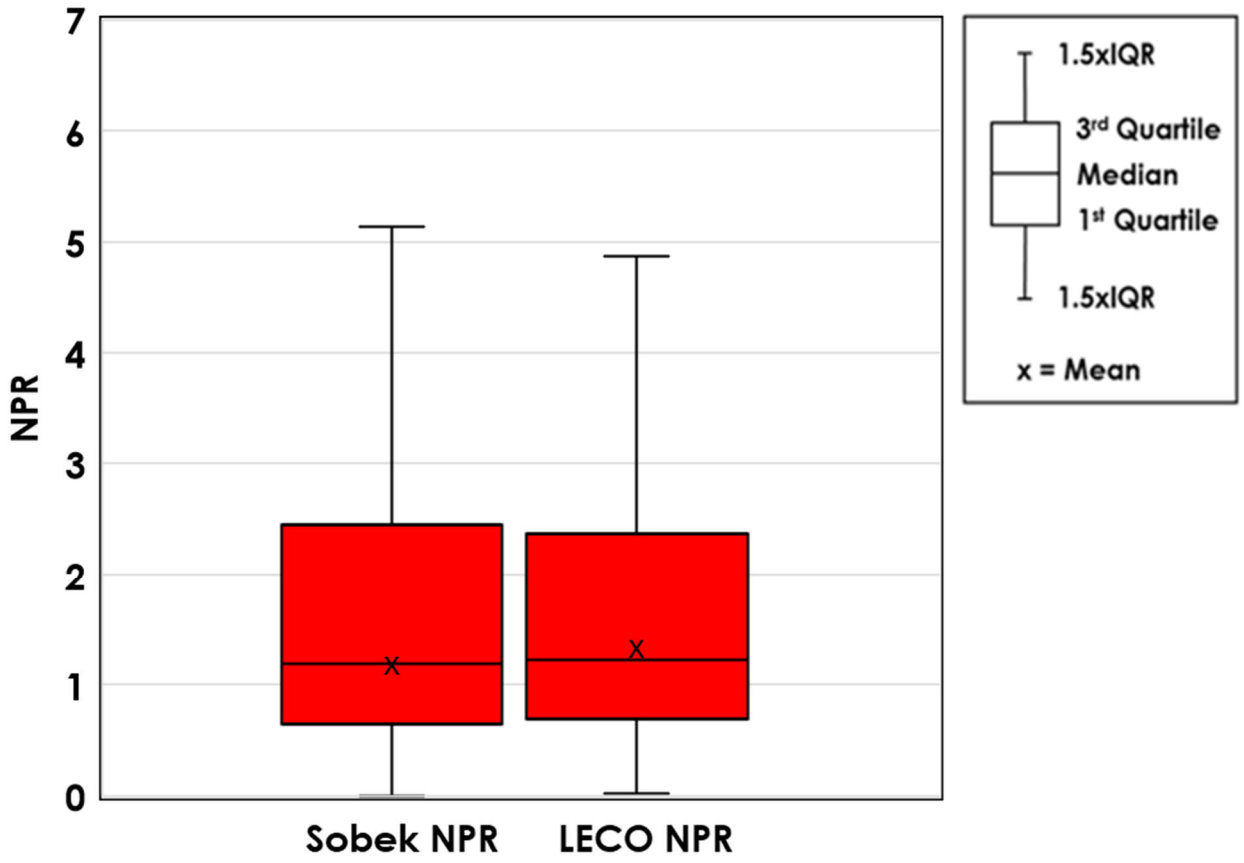

Figure 4: Box-and-whisker plots showing comparison of NPR calculated from on-site LECO carbon and sulfur and NPR from modified Sobek analyses. IQR = Inter-quartile range.

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 and 2023. The median NPR values between the two datasets in 2022 and 2023 were similar to 2022 and closer together than in 2021. 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 produced acceptable results during 2022 and 2023 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 between July 1, 2022, and June 30, 2023 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 the reporting period and that mine rock is being properly classified as PAG or NPAG. Overall, the Geochemical Monitoring Plan was executed as intended between July 1, 2022, and June 30, 2023. Geochemical focused studies will continue into 2024 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 604-813-4509 or dfrancis@okaneconsultants.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 2022.

Okane Consultants. 2023. Rainy River Mine 2022 Annual Geochemical Monitoring Report, March 2023.

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)
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	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	0.52	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	0.79	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%
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	0.49	0.0%	0.17	0.17	0.0%
1322051080	2022-07-09	0.69	0.70	1.4%	0.11	0.11	0.0%

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)
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	1.76	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	0.26	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%
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	0.81	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%

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)
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	0.73	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%
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	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	0.47	27.5%	1.61	1.61	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)
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	0.12	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%
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	0.65	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	0.51	10.3%	2.62	2.62	0.0%
1321081061	2022-08-04	0.79	0.80	1.3%	1.52	1.52	0.0%

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)
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%
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	0.71	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%

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)
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	0.29	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%
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	0.17	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	0.88	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	0.54	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	0.19	5.1%	2.69	2.69	0.0%
1313008018	2022-08-21	0.37	0.38	2.7%	2.42	2.42	0.0%

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)
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	1.10	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	0.56	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	0.61	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%
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%

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)
1432027265	2022-08-30	0.63	0.63	0.0%	1.96	1.96	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	0.38	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	0.42	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%
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%	1.88	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%

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)
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	0.09	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%
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%

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)
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%
1432019288	2022-09-25	1.61	1.67	3.7%	1.87	1.94	3.7%
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%
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	0.74	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%
1319071033	2022-09-29	1.21	1.21	0.0%	0.95	0.99	4.1%
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%
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%
1319070102	2022-09-30	0.79	0.78	1.3%	1.71	1.92	11.6%
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%

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)
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%
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%
1319066136	2022-10-01	0.75	0.76	1.3%	0.74	0.73	1.4%
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%
1319070022	2022-10-02	0.79	0.81	2.5%	0.00	-	-
1319070033	2022-10-02	0.65	0.65	0.0%	0.00	-	-
1319070063	2022-10-02	0.91	0.91	0.0%	0.00	-	-
1319070198	2022-10-02	0.48	0.48	0.0%	0.00	-	-
1319070032	2022-10-02	0.61	0.61	0.0%	0.00	-	-
1319070501	2022-10-03	0.58	0.56	3.5%	0.25	0.23	8.3%
1318002182	2022-10-04	0.12	0.12	0.0%	0.36	0.37	2.7%
1319070506	2022-10-04	0.87	0.87	0.0%	1.45	1.44	0.7%
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%
1312003431	2022-10-06	0.25	0.25	0.0%	1.72	1.69	1.8%
1312003450	2022-10-06	0.22	0.17	25.6%	2.40	2.33	3.0%
1312003461	2022-10-06	0.18	0.19	5.4%	0.08	0.08	0.0%
1312003161	2022-10-07	0.12	0.11	8.7%	6.59	6.53	0.9%
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%
1432028272	2022-10-10	0.96	0.95	1.0%	1.64	1.62	1.2%
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%
1312003405	2022-10-11	0.14	0.14	0.0%	5.79	5.77	0.3%
1318004125	2022-10-11	0.46	0.44	4.4%	2.08	2.07	0.5%
1318004167	2022-10-11	0.55	0.56	1.8%	1.61	1.62	0.6%
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%
1432028168	2022-10-12	1.07	1.13	5.5%	0.00	-	-
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%
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%
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%
1318006304	2022-10-16	0.44	0.44	0.0%	1.21	1.25	3.3%
1318005057	2022-10-17	0.23	0.23	0.0%	4.70	4.72	0.4%
1318005066	2022-10-17	0.08	0.08	0.0%	0.11	0.11	0.0%
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%
1318005131	2022-10-17	0.38	0.38	0.0%	4.56	4.59	0.7%
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%
1318005153	2022-10-18	0.71	0.71	0.0%	1.60	1.60	0.0%
1318005167	2022-10-18	0.25	0.25	0.0%	0.24	0.25	4.1%
1312005032	2022-10-19	0.26	0.26	0.0%	1.29	1.30	0.8%
1318012205	2022-10-20	0.26	0.26	0.0%	0.00	-	-
1318012216	2022-10-20	0.20	0.21	4.9%	0.00	-	-
1312005030	2022-10-21	0.84	0.85	1.2%	0.76	0.77	1.3%

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)
1312004433	2022-10-22	0.19	0.19	0.0%	0.00	-	-
1431023098	2022-10-23	1.43	1.43	0.0%	1.76	1.77	0.6%
1312004502	2022-10-24	0.17	0.17	0.0%	0.00	-	-
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%
13180120261	2022-10-25	0.22	0.22	0.0%	0.00	-	-
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%
1318003140	2022-10-26	0.26	0.27	3.8%	0.95	0.93	2.1%
13180120114	2022-10-26	0.21	0.21	0.0%	2.65	3.00	12.4%
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%
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%
13180120001	2022-10-30	0.30	0.29	3.4%	2.41	2.47	2.5%
13180120046	2022-10-30	0.27	0.29	7.1%	1.53	1.44	6.1%
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%
1430001050	2022-11-01	1.20	1.20	0.0%	1.45	1.48	2.0%
1430001168	2022-11-01	1.47	1.47	0.0%	1.91	1.85	3.2%
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%
1431024091	2022-11-02	1.17	1.19	1.7%	0.00	-	-
1431024141	2022-11-02	0.97	0.92	5.3%	0.00	-	-
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%
1431027122	2022-11-02	1.08	1.07	0.9%	0.00	-	-
1431024085	2022-11-03	1.02	1.03	1.0%	0.00	-	-
1431027038	2022-11-03	0.85	0.86	1.2%	1.80	1.87	3.8%
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%
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%
1431024046	2022-11-04	1.05	1.06	0.9%	4.43	4.43	0.0%
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%
1318011011	2022-11-04	0.27	0.27	0.0%	0.19	0.19	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%
1318013327	2022-11-06	0.56	0.55	1.8%	1.88	1.87	0.5%
1431024158	2022-11-06	1.41	1.47	4.2%	2.45	2.44	0.4%

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)
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%
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%
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%
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%
1312006304	2022-11-09	0.19	0.19	0.0%	1.83	1.86	1.6%
1318008004	2022-11-09	0.89	0.89	0.0%	0.17	0.17	0.0%
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%
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%
1431025416	2022-11-10	1.00	1.00	0.0%	1.19	1.18	0.8%
1318014072	2022-11-10	0.72	0.72	0.0%	0.00	-	-
1318014056	2022-11-11	1.18	1.19	0.8%	1.80	1.84	2.2%
1431025433	2022-11-11	0.82	0.81	1.2%	1.15	1.18	2.6%
1317026150	2022-11-11	0.21	0.20	4.9%	1.04	1.04	0.0%
1318008034	2022-11-11	0.49	0.49	0.0%	0.33	0.33	0.0%
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%
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%
1318014631	2022-11-13	1.10	0.88	22.2%	0.00	-	-
1317028374	2022-11-13	0.46	0.45	2.2%	3.31	3.21	3.1%
1318008836	2022-11-13	0.87	0.87	0.0%	2.31	2.28	1.3%
1431026047	2022-11-13	0.57	0.57	0.0%	0.00	-	-
1431026121	2022-11-13	0.32	0.32	0.0%	0.00	-	-
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%
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%
1431026026	2022-11-14	0.41	0.42	2.4%	0.00	-	-
1431026116	2022-11-14	0.43	0.42	2.4%	0.00	-	-
1431026137	2022-11-14	0.44	0.44	0.0%	0.00	-	-
1431026150	2022-11-14	0.22	0.22	0.0%	0.00	-	-
1432030087	2022-11-14	2.27	2.27	0.0%	0.00	-	-
1432030091	2022-11-14	1.82	1.81	0.6%	0.00	-	-
1431026126	2022-11-14	0.25	0.27	7.7%	0.00	-	-
1432030063	2022-11-14	1.84	1.74	5.6%	0.00	-	-
1431026209	2022-11-15	0.44	0.44	0.0%	0.00	-	-
1432030020	2022-11-15	1.19	1.21	1.7%	0.00	-	-
1432030061	2022-11-15	2.23	2.23	0.0%	0.00	-	-

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)
1432030129	2022-11-15	1.75	1.75	0.0%	0.00	-	-
1317028393	2022-11-16	0.15	0.15	0.0%	1.51	1.54	2.0%
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%
1317026174	2022-11-16	0.34	0.34	0.0%	1.26	1.24	1.6%
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%
1430002015	2022-11-16	2.00	1.91	4.6%	0.00	-	-
1430002018	2022-11-16	1.81	1.83	1.1%	0.00	-	-
1317025422	2022-11-17	0.75	0.75	0.0%	1.65	1.67	1.2%
1317025464	2022-11-17	0.45	0.50	10.5%	1.93	1.92	0.5%
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%
1317026059	2022-11-17	0.52	0.51	1.9%	1.73	1.75	1.1%
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%
1432030151	2022-11-18	1.47	1.50	2.0%	0.00	-	-
1432030155	2022-11-18	1.85	1.88	1.6%	0.00	-	-
1431030153	2022-11-19	0.99	0.99	0.0%	1.12	1.09	2.7%
1432030112	2022-11-19	1.64	1.63	0.6%	0.00	-	-
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%
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	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	1.55	9.8%	1.14	1.26	10.0%
1431030053	2022-11-22	0.91	0.89	2.2%	1.45	1.39	4.2%
1317035113	2022-11-22	0.23	0.23	0.0%	0.00	-	-
1317035157	2022-11-23	0.77	0.77	0.0%	0.00	-	-
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%
1318015149	2022-11-24	0.85	0.84	1.2%	0.00	-	-
1317035074	2022-11-25	0.57	0.58	1.7%	0.00	-	-
1318015089	2022-11-26	0.81	0.81	0.0%	0.00	-	-
1318015096	2022-11-26	0.66	0.66	0.0%	0.00	-	-
1317027144	2022-11-27	0.80	0.81	1.2%	0.00	-	-
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%
1318015114	2022-11-27	0.66	0.67	1.5%	0.59	0.59	0.0%
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%
1311002261	2022-11-28	0.19	0.19	0.0%	0.00	-	-
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%
1318015122	2022-11-28	0.83	0.82	1.2%	0.10	0.15	40.0%
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%

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)
1311002410	2022-11-30	0.10	0.10	0.0%	2.06	2.03	1.5%
1311002438	2022-11-30	0.13	0.13	0.0%	1.22	1.24	1.6%
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%
1318017041	2022-12-05	0.39	0.39	0.0%	0.14	0.14	0.0%
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%
1311004074	2022-12-06	0.13	0.14	7.4%	1.51	1.54	2.0%
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%
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%
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%
1318012139	2022-12-09	0.38	0.38	0.0%	2.79	2.68	4.0%
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%
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%
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%
1431034104	2022-12-12	1.36	1.35	0.7%	1.09	1.08	0.9%
1317037066	2022-12-12	0.47	0.48	2.1%	0.71	0.71	0.0%
1317040208	2022-12-12	0.60	0.58	3.4%	0.44	0.43	2.3%
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%
1317040133	2022-12-13	0.32	0.31	3.2%	1.17	1.20	2.5%
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%
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%
1431034002	2022-12-14	2.67	2.75	3.0%	0.64	0.64	0.0%
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%
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%

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)
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%
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%
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%
1431040180	2022-12-17	0.56	0.56	0.0%	1.89	1.92	1.6%
1431040704	2022-12-17	0.99	0.98	1.0%	1.49	1.55	3.9%
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%
1317038481	2022-12-18	0.36	0.35	2.8%	0.94	0.93	1.1%
1431040030	2022-12-18	0.74	0.74	0.0%	1.12	1.12	0.0%
1317034006	2022-12-18	0.37	0.36	2.7%	3.61	3.51	2.8%
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%
1431040102	2022-12-18	0.18	0.18	0.0%	1.25	1.23	1.6%
1431040192	2022-12-18	0.83	0.83	0.0%	1.77	1.78	0.6%
1317034026	2022-12-19	0.36	0.37	2.7%	2.76	2.73	1.1%
1317034056	2022-12-19	0.48	0.49	2.1%	2.51	2.41	4.1%
1431040165	2022-12-19	0.50	0.51	2.0%	2.70	2.67	1.1%
1317029088	2022-12-20	0.34	0.33	3.0%	0.88	0.88	0.0%
1317034121	2022-12-20	0.78	0.77	1.3%	2.30	2.36	2.6%
1317038014	2022-12-20	0.88	0.87	1.1%	1.50	1.50	0.0%
1317039016	2022-12-20	0.19	0.20	5.1%	0.42	0.44	4.7%
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%
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%
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%
1317031032	2022-12-24	0.16	0.16	0.0%	1.11	1.09	1.8%
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%
1317031016	2022-12-25	0.22	0.22	0.0%	1.38	1.36	1.5%
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%
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%
1317033312	2022-12-25	0.37	0.36	2.7%	1.17	1.10	6.2%
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%
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%
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%
1430010068	2022-12-26	1.29	1.28	0.8%	1.31	1.29	1.5%

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)
1317041209	2022-12-27	0.87	0.86	1.2%	1.64	1.56	5.0%
1430010074	2022-12-27	1.16	1.14	1.7%	0.00	-	-
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%
1430010048	2022-12-28	0.92	0.92	0.0%	0.00	-	-
1431041116	2022-12-28	0.61	0.60	1.7%	0.00	-	-
1430014005	2022-12-30	1.80	1.86	3.3%	0.00	-	-
1430014039	2022-12-30	1.44	1.44	0.0%	0.00	-	-
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%
1430014059	2023-01-01	0.68	0.70	2.9%	1.25	1.24	0.8%
1430014138	2023-01-01	0.62	0.63	1.6%	0.63	0.61	3.2%
1317045079	2023-01-02	0.68	0.69	1.5%	0.33	0.32	3.1%
1317045131	2023-01-02	0.47	0.47	0.0%	0.24	0.23	4.3%
1317045341	2023-01-02	0.41	0.42	2.4%	0.41	0.41	0.0%
1430014160	2023-01-02	0.57	0.57	0.0%	1.39	1.38	0.7%
1430014181	2023-01-02	0.77	0.78	1.3%	0.94	1.00	6.2%
1317045023	2023-01-03	0.29	0.33	12.9%	0.78	0.76	2.6%
1431095006	2023-01-03	0.15	0.15	0.0%	0.78	0.74	5.3%
1431095011	2023-01-03	0.38	0.38	0.0%	0.41	0.41	0.0%
1431095034	2023-01-03	0.13	0.13	0.0%	1.84	1.80	2.2%
1431095044	2023-01-03	0.25	0.27	7.7%	2.52	2.46	2.4%
1317045030	2023-01-04	0.90	0.98	8.5%	0.46	0.47	2.2%
1317045097	2023-01-04	0.52	0.53	1.9%	0.15	0.15	0.0%
1317045146	2023-01-04	0.73	0.74	1.4%	0.38	0.37	2.7%
1430006105	2023-01-04	0.72	0.72	0.0%	1.20	1.24	3.3%
1430006119	2023-01-05	0.80	0.82	2.5%	0.90	0.90	0.0%
1317045328	2023-01-05	0.59	0.59	0.0%	0.61	0.58	5.0%
1317045040	2023-01-06	0.71	0.70	1.4%	2.80	2.80	0.0%
1430006047	2023-01-06	0.58	0.58	0.0%	1.21	1.22	0.8%
1430006026	2023-01-06	0.65	1.60	84.4%	1.18	0.19	144.5%
1430006074	2023-01-06	0.77	0.76	1.3%	1.04	1.03	1.0%
1317045122	2023-01-07	0.66	0.69	4.4%	0.60	0.61	1.7%
1430006049	2023-01-07	0.55	0.57	3.6%	1.29	1.28	0.8%
1430009239	2023-01-08	0.69	0.72	4.3%	0.91	0.91	0.0%
1430009295	2023-01-08	0.82	0.82	0.0%	0.98	1.00	2.0%
1310002120	2023-01-09	0.43	0.42	2.4%	0.98	0.98	0.0%
1430009220	2023-01-09	0.70	0.69	1.4%	0.98	0.99	1.0%
1430009349	2023-01-09	0.74	0.74	0.0%	1.60	1.62	1.2%
1430009345	2023-01-09	0.69	0.69	0.0%	1.24	1.22	1.6%
1310002107	2023-01-10	0.39	0.37	5.3%	1.91	1.84	3.7%
1310003097	2023-01-10	0.24	0.22	8.7%	0.83	0.84	1.2%
1310003502	2023-01-10	0.33	0.33	0.0%	1.20	1.23	2.5%
1310003507	2023-01-10	0.18	0.18	0.0%	1.64	1.59	3.1%
1430009229	2023-01-10	0.68	0.68	0.0%	2.62	2.61	0.4%
1430009233	2023-01-10	0.80	0.77	3.8%	1.02	1.00	2.0%
1317045110	2023-01-10	0.73	0.75	2.7%	4.33	4.38	1.1%
1317045310	2023-01-10	0.79	0.77	2.6%	1.43	1.36	5.0%
1430009394	2023-01-10	0.70	0.69	1.4%	1.23	1.20	2.5%
1310003100	2023-01-11	0.17	0.16	6.1%	0.79	0.80	1.3%
1430009215	2023-01-11	0.70	0.72	2.8%	0.99	1.01	2.0%
1430009247	2023-01-11	0.55	0.55	0.0%	0.53	0.51	3.8%
1430009373	2023-01-12	1.76	1.73	1.7%	1.07	1.05	1.9%
1310003003	2023-01-12	0.10	0.10	0.0%	1.06	1.03	2.9%
1310003569	2023-01-12	0.22	0.23	4.4%	0.47	0.47	0.0%
1317047106	2023-01-12	0.47	0.46	2.2%	0.12	0.13	8.0%
1317047612	2023-01-12	0.69	0.69	0.0%	1.22	1.25	2.4%
1317047668	2023-01-12	0.87	0.87	0.0%	1.08	1.10	1.8%

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)
1317047669	2023-01-12	0.53	0.53	0.0%	0.52	0.53	1.9%
1432032030	2023-01-13	0.89	0.89	0.0%	0.48	0.49	2.1%
1317047005	2023-01-13	0.34	0.33	3.0%	0.48	0.49	2.1%
1317047601	2023-01-13	0.62	0.62	0.0%	2.38	2.39	0.4%
1317047658	2023-01-13	0.57	0.56	1.8%	1.05	1.06	0.9%
1317047625	2023-01-14	1.00	1.05	4.9%	0.47	0.45	4.3%
1310004089	2023-01-14	0.18	0.18	0.0%	1.51	1.52	0.7%
1316023030	2023-01-14	0.47	0.47	0.0%	1.37	1.35	1.5%
1316023073	2023-01-14	0.30	0.30	0.0%	2.05	2.02	1.5%
1316023116	2023-01-14	0.29	0.30	3.4%	2.74	2.79	1.8%
1316023175	2023-01-14	0.12	0.12	0.0%	2.11	2.12	0.5%
1317047633	2023-01-14	0.50	0.51	2.0%	0.33	0.33	0.0%
1317047637	2023-01-14	0.66	0.66	0.0%	0.48	0.48	0.0%
1310004610	2023-01-15	0.16	0.16	0.0%	1.17	1.20	2.5%
1316023777	2023-01-15	0.17	0.17	0.0%	2.02	2.13	5.3%
1310004043	2023-01-16	0.19	0.19	0.0%	1.32	1.30	1.5%
1317049038	2023-01-16	0.37	0.38	2.7%	0.50	0.51	2.0%
1310004087	2023-01-16	0.12	0.12	0.0%	1.72	1.72	0.0%
1317049029	2023-01-16	0.46	0.47	2.2%	0.83	0.80	3.7%
1317049044	2023-01-16	0.58	0.56	3.5%	0.57	0.58	1.7%
1430007142	2023-01-16	0.47	0.47	0.0%	0.29	0.27	7.1%
1316023062	2023-01-17	0.61	0.63	3.2%	1.96	1.98	1.0%
1430007136	2023-01-17	1.12	1.11	0.9%	0.99	0.99	0.0%
1316023013	2023-01-17	0.56	0.57	1.8%	1.28	1.26	1.6%
1316023055	2023-01-17	0.90	0.87	3.4%	1.88	1.88	0.0%
1316023099	2023-01-17	0.21	0.22	4.7%	0.90	0.93	3.3%
1317049005	2023-01-17	0.63	0.64	1.6%	0.49	0.47	4.2%
1317049658	2023-01-17	0.57	0.60	5.1%	0.36	0.37	2.7%
1430007176	2023-01-17	0.63	0.63	0.0%	2.03	2.00	1.5%
1316024042	2023-01-18	0.90	0.90	0.0%	2.29	2.27	0.9%
1317049655	2023-01-18	0.60	0.62	3.3%	0.58	0.59	1.7%
1310005019	2023-01-19	0.12	0.12	0.0%	2.26	2.18	3.6%
1316024005	2023-01-19	0.83	0.83	0.0%	2.65	2.63	0.8%
1317049087	2023-01-19	0.96	0.96	0.0%	0.73	0.73	0.0%
1317049611	2023-01-19	0.34	0.35	2.9%	0.78	0.75	3.9%
1317049643	2023-01-19	0.49	0.47	4.2%	0.63	0.63	0.0%
1317049974	2023-01-19	1.02	1.04	1.9%	0.67	0.68	1.5%
1317049975	2023-01-19	1.38	1.38	0.0%	0.78	0.82	5.0%
1317049628	2023-01-20	0.53	0.50	5.8%	0.72	0.74	2.7%
1317049705	2023-01-20	1.09	1.12	2.7%	1.11	1.10	0.9%
1430007200	2023-01-20	0.94	0.93	1.1%	0.16	0.18	11.8%
1430007298	2023-01-20	0.05	0.04	22.2%	3.39	3.37	0.6%
1430007304	2023-01-20	0.14	0.14	0.0%	0.07	0.07	0.0%
1430007338	2023-01-20	0.02	0.02	BDL	0.89	0.89	0.0%
1430007343	2023-01-20	0.09	0.09	0.0%	0.88	0.88	0.0%
1315018211	2023-01-21	0.44	0.42	4.7%	3.32	3.38	1.8%
1316025074	2023-01-21	0.64	0.65	1.6%	1.54	1.51	2.0%
1316025118	2023-01-21	0.93	0.94	1.1%	1.19	1.18	0.8%
1430007195	2023-01-21	1.18	1.21	2.5%	0.32	0.31	3.2%
1431031620	2023-01-21	0.94	0.99	5.2%	1.38	1.52	9.7%
1431031821	2023-01-21	1.58	1.54	2.6%	1.44	1.45	0.7%
1316025217	2023-01-22	0.54	0.58	7.1%	0.78	0.77	1.3%
1430007215	2023-01-22	0.42	0.41	2.4%	1.44	1.48	2.7%
1430007283	2023-01-22	0.09	0.09	0.0%	0.93	0.88	5.5%
1430007289	2023-01-22	0.36	0.35	2.8%	2.36	2.44	3.3%
1431031819	2023-01-22	0.81	0.87	7.1%	2.63	2.71	3.0%
1430007226	2023-01-23	0.28	0.34	19.4%	0.43	0.50	15.1%
1430007264	2023-01-23	0.06	0.07	15.4%	1.49	1.52	2.0%
1316025215	2023-01-23	0.59	0.59	0.0%	2.78	2.84	2.1%
1316025013	2023-01-24	0.09	0.09	0.0%	0.85	0.87	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)
1316025183	2023-01-24	0.50	0.49	2.0%	1.20	1.26	4.9%
1316025192	2023-01-24	0.51	0.50	2.0%	1.66	1.60	3.7%
1315016018	2023-01-25	0.15	0.17	12.5%	2.07	2.39	14.3%
1316025171	2023-01-25	0.60	0.59	1.7%	1.82	1.76	3.4%
1430008009	2023-01-25	1.11	1.14	2.7%	1.42	1.47	3.5%
1430008017	2023-01-25	0.60	0.61	1.7%	1.42	1.41	0.7%
1316030065	2023-01-26	0.33	0.29	12.9%	4.82	4.88	1.2%
1316030120	2023-01-26	0.43	0.44	2.3%	1.77	1.80	1.7%
1430008011	2023-01-26	0.64	0.62	3.2%	1.52	1.47	3.3%
1430008032	2023-01-26	0.82	0.82	0.0%	0.46	0.46	0.0%
1430008044	2023-01-26	1.22	1.22	0.0%	1.52	1.51	0.7%
1430008110	2023-01-27	0.11	0.12	8.7%	0.52	0.54	3.8%
1316030102	2023-01-27	0.14	0.15	6.9%	1.24	1.24	0.0%
1316030181	2023-01-27	0.30	0.30	0.0%	2.04	2.03	0.5%
1430008068	2023-01-27	0.50	0.50	0.0%	0.90	0.88	2.2%
1430008119	2023-01-27	1.12	1.10	1.8%	1.56	1.54	1.3%
1430008279	2023-01-28	0.98	0.97	1.0%	1.26	1.22	3.2%
1316028063	2023-01-28	0.18	0.19	5.4%	3.05	3.08	1.0%
1316028120	2023-01-28	0.73	0.72	1.4%	1.07	1.08	0.9%
1430008132	2023-01-28	1.29	1.29	0.0%	1.28	1.30	1.6%
1316028105	2023-01-29	0.67	0.68	1.5%	1.56	1.52	2.6%
1316028201	2023-01-29	0.59	0.58	1.7%	1.37	1.36	0.7%
1316028228	2023-01-29	0.47	0.48	2.1%	3.06	3.10	1.3%
1430030243	2023-01-29	0.78	0.77	1.3%	1.88	1.85	1.6%
1430030268	2023-01-29	0.72	0.71	1.4%	2.37	2.66	11.5%
1430030149	2023-01-30	0.99	1.01	2.0%	1.79	1.74	2.8%
1430030221	2023-01-30	0.59	0.58	1.7%	1.99	2.05	3.0%
1316028050	2023-01-30	0.24	0.25	4.1%	1.81	1.87	3.3%
1430030195	2023-01-30	0.63	0.63	0.0%	2.21	2.15	2.8%
1316028078	2023-01-31	0.31	0.31	0.0%	1.25	2.14	52.5%
1430030091	2023-01-31	0.97	0.98	1.0%	1.87	1.88	0.5%
1430030018	2023-01-31	0.75	0.76	1.3%	2.35	2.38	1.3%
1309002056	2023-02-01	0.19	0.19	0.0%	0.43	0.42	2.4%
1430030025	2023-02-01	0.73	0.69	5.6%	2.35	2.29	2.6%
1430015005	2023-02-02	0.51	0.49	4.0%	1.35	1.26	6.9%
1430015022	2023-02-02	0.80	0.80	0.0%	1.74	1.74	0.0%
1430015039	2023-02-02	0.13	0.13	0.0%	1.17	1.13	3.5%
1309002336	2023-02-02	0.16	0.17	6.1%	0.79	0.80	1.3%
1316027096	2023-02-03	0.82	0.85	3.6%	1.55	1.60	3.2%
1430015061	2023-02-03	0.11	0.11	0.0%	1.06	1.06	0.0%
1430026011	2023-02-03	1.53	1.57	2.6%	1.02	1.06	3.8%
1316027049	2023-02-03	0.63	0.62	1.6%	1.00	0.96	4.1%
1316027107	2023-02-03	1.03	1.02	1.0%	1.01	1.01	0.0%
1316027601	2023-02-03	0.19	0.19	0.0%	2.95	3.01	2.0%
1316027119	2023-02-04	0.09	0.09	0.0%	2.53	2.50	1.2%
1316027129	2023-02-05	0.12	0.12	0.0%	0.15	0.15	0.0%
1316027139	2023-02-05	0.22	0.22	0.0%	0.25	0.26	3.9%
1316027142	2023-02-05	0.11	0.12	8.7%	0.12	0.11	8.7%
1316027166	2023-02-05	0.16	0.15	6.5%	0.72	0.73	1.4%
1316027154	2023-02-05	0.07	0.07	0.0%	3.01	3.07	2.0%
1317052025	2023-02-05	0.66	0.68	3.0%	1.55	1.58	1.9%
1317052028	2023-02-05	0.76	0.77	1.3%	1.80	1.81	0.6%
1430026062	2023-02-06	1.06	1.05	0.9%	1.43	1.45	1.4%
1316029003	2023-02-06	0.29	0.30	3.4%	1.29	1.36	5.3%
1316029006	2023-02-06	0.77	0.78	1.3%	3.24	3.18	1.9%
1316029037	2023-02-06	0.31	0.31	0.0%	1.56	1.62	3.8%
1316029157	2023-02-06	0.57	0.59	3.4%	1.22	1.21	0.8%
1316029083	2023-02-07	1.15	1.16	0.9%	1.89	1.82	3.8%
1316029130	2023-02-07	0.94	0.94	0.0%	1.38	1.42	2.9%
1316029178	2023-02-07	0.70	0.70	0.0%	1.20	1.20	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)
1430026014	2023-02-07	1.18	1.20	1.7%	0.92	0.92	0.0%
1316029189	2023-02-08	0.55	0.54	1.8%	1.58	1.59	0.6%
1316029209	2023-02-08	0.57	0.58	1.7%	1.51	1.53	1.3%
1430026096	2023-02-08	1.49	1.50	0.7%	2.64	2.64	0.0%
1430026152	2023-02-08	1.92	1.90	1.0%	5.09	5.10	0.2%
1316040006	2023-02-08	0.29	0.29	0.0%	1.92	1.87	2.6%
1316040117	2023-02-08	0.33	0.34	3.0%	1.20	1.19	0.8%
1309003384	2023-02-09	0.10	0.10	0.0%	2.84	2.81	1.1%
1309003405	2023-02-09	0.23	0.22	4.4%	0.99	0.99	0.0%
1316029220	2023-02-09	0.53	0.54	1.9%	1.62	1.63	0.6%
1316040023	2023-02-09	0.43	0.43	0.0%	1.89	1.91	1.1%
1316040094	2023-02-09	0.61	0.61	0.0%	1.07	1.10	2.8%
1309003138	2023-02-10	0.10	0.11	9.5%	1.37	1.38	0.7%
1309003139	2023-02-10	0.06	0.07	15.4%	1.02	1.04	1.9%
1309003339	2023-02-10	0.18	0.17	5.7%	2.59	2.61	0.8%
1309003359	2023-02-10	0.13	0.13	0.0%	0.92	0.92	0.0%
1316040126	2023-02-10	0.50	0.50	0.0%	1.38	1.35	2.2%
1316040048	2023-02-10	0.36	0.37	2.7%	1.73	1.66	4.1%
1309003112	2023-02-11	0.61	0.62	1.6%	0.64	0.62	3.2%
1316040041	2023-02-11	0.21	0.21	0.0%	1.97	1.99	1.0%
1316026034	2023-02-11	0.49	0.50	2.0%	1.50	1.47	2.0%
1316026083	2023-02-11	0.48	0.47	2.1%	1.25	1.20	4.1%
1316026109	2023-02-11	0.62	0.63	1.6%	1.54	1.46	5.3%
1316044624	2023-02-11	0.63	0.65	3.1%	0.41	0.41	0.0%
1316044012	2023-02-12	0.29	0.29	0.0%	1.72	1.72	0.0%
1316044065	2023-02-12	0.33	0.30	9.5%	1.50	1.38	8.3%
1309003323	2023-02-13	0.37	0.37	0.0%	2.75	2.79	1.4%
1316033159	2023-02-13	0.35	0.36	2.8%	1.13	1.08	4.5%
1316033175	2023-02-13	0.64	0.65	1.6%	1.40	1.34	4.4%
1316044032	2023-02-13	0.49	0.49	0.0%	1.62	1.55	4.4%
1316044076	2023-02-13	0.94	1.02	8.2%	1.15	1.11	3.5%
1316044099	2023-02-13	0.59	0.59	0.0%	1.65	1.68	1.8%
1316044617	2023-02-13	0.29	0.29	0.0%	0.26	0.29	10.9%
1309003369	2023-02-13	0.28	0.29	3.5%	2.08	2.19	5.2%
1316026006	2023-02-13	0.80	0.78	2.5%	3.22	3.15	2.2%
1316026010	2023-02-13	0.50	0.51	2.0%	4.05	3.97	2.0%
1316026610	2023-02-13	1.08	1.40	25.8%	1.43	1.31	8.8%
1316026617	2023-02-13	0.69	0.70	1.4%	1.28	1.31	2.3%
1316044079	2023-02-13	0.59	0.60	1.7%	1.86	1.91	2.7%
1316044119	2023-02-13	0.32	0.33	3.1%	1.12	1.18	5.2%
1430017005	2023-02-13	0.87	0.86	1.2%	1.74	1.78	2.3%
1316044116	2023-02-14	0.29	0.29	0.0%	1.41	1.46	3.5%
1316044601	2023-02-14	0.65	0.64	1.6%	1.76	1.72	2.3%
1430017025	2023-02-14	0.52	0.51	1.9%	0.86	0.87	1.2%
1430017065	2023-02-14	0.75	0.76	1.3%	1.58	1.58	0.0%
1316033107	2023-02-14	0.10	0.09	10.5%	0.83	0.83	0.0%
1316033080	2023-02-15	0.47	0.49	4.2%	4.05	4.13	2.0%
1316033095	2023-02-15	0.20	0.19	5.1%	1.06	1.00	5.8%
1316033133	2023-02-15	0.36	0.36	0.0%	1.79	1.83	2.2%
1430017086	2023-02-15	0.16	0.16	0.0%	1.35	1.36	0.7%
1430017104	2023-02-15	1.24	1.25	0.8%	2.17	2.17	0.0%
1430017161	2023-02-15	0.15	0.16	6.5%	1.68	1.67	0.6%
1430017191	2023-02-15	0.62	0.61	1.6%	2.46	2.43	1.2%
1430017609	2023-02-15	0.39	0.39	0.0%	2.14	2.08	2.8%
1430017621	2023-02-15	1.38	1.40	1.4%	1.57	1.58	0.6%
1316033025	2023-02-15	0.30	0.30	0.0%	1.23	1.26	2.4%
1316033037	2023-02-15	0.25	0.26	3.9%	1.30	1.31	0.8%
1316033066	2023-02-15	0.69	0.70	1.4%	1.14	1.13	0.9%
1316037036	2023-02-15	0.70	0.69	1.4%	2.08	2.08	0.0%
1430017180	2023-02-15	0.57	0.57	0.0%	0.51	0.54	5.7%

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)
1430017304	2023-02-15	2.21	2.23	0.9%	1.57	1.54	1.9%
1430017648	2023-02-15	1.20	1.13	6.0%	1.71	1.64	4.2%
1316033005	2023-02-16	0.66	0.68	3.0%	1.51	1.54	2.0%
1316033022	2023-02-16	0.76	0.77	1.3%	1.74	1.83	5.0%
1430017218	2023-02-16	0.69	0.68	1.5%	1.35	1.34	0.7%
1430017247	2023-02-16	1.16	1.13	2.6%	1.54	1.44	6.7%
1430017284	2023-02-16	0.79	0.80	1.3%	1.92	1.93	0.5%
1430017298	2023-02-16	0.75	0.72	4.1%	0.91	0.91	0.0%
1430017327	2023-02-16	0.45	0.46	2.2%	2.10	2.13	1.4%
1430017828	2023-02-16	0.73	0.70	4.2%	2.00	1.94	3.0%
1430016016	2023-02-17	0.58	0.58	0.0%	1.31	1.27	3.1%
1430016069	2023-02-17	0.71	0.72	1.4%	0.51	0.53	3.8%
1430016146	2023-02-17	1.08	1.10	1.8%	0.36	0.38	5.4%
1430017264	2023-02-17	0.51	0.56	9.3%	0.28	0.28	0.0%
1430017825	2023-02-17	0.13	0.13	0.0%	1.61	1.63	1.2%
1316045195	2023-02-17	0.73	0.75	2.7%	0.78	0.77	1.3%
1316045205	2023-02-17	0.43	0.44	2.3%	1.03	1.06	2.9%
1430016014	2023-02-18	0.63	0.64	1.6%	1.38	1.36	1.5%
1430016331	2023-02-18	0.69	0.69	0.0%	0.41	0.42	2.4%
1430016351	2023-02-18	1.18	1.18	0.0%	0.44	0.42	4.7%
1430017312	2023-02-18	1.25	1.29	3.1%	0.50	0.49	2.0%
1430016112	2023-02-19	0.71	0.70	1.4%	1.06	1.04	1.9%
1430016180	2023-02-19	0.97	0.92	5.3%	0.60	0.60	0.0%
1430017342	2023-02-19	1.40	1.41	0.7%	0.17	0.18	5.7%
1430016047	2023-02-19	0.97	0.97	0.0%	1.32	1.32	0.0%
1430016119	2023-02-19	0.99	0.97	2.0%	1.79	1.80	0.6%
1430016325	2023-02-19	0.99	0.94	5.2%	0.34	0.34	0.0%
1430016232	2023-02-20	0.82	0.80	2.5%	1.28	1.28	0.0%
1430020001	2023-02-20	2.01	2.00	0.5%	6.71	6.76	0.7%
1430020235	2023-02-20	1.96	1.92	2.1%	6.88	7.07	2.7%
1430018045	2023-02-21	0.14	0.14	0.0%	1.91	1.89	1.1%
1430018048	2023-02-21	0.05	0.04	22.2%	1.17	1.20	2.5%
1430020040	2023-02-21	1.74	1.71	1.7%	2.51	2.59	3.1%
1430020048	2023-02-21	1.72	1.67	2.9%	1.20	1.22	1.7%
1430020065	2023-02-21	1.60	1.65	3.1%	2.13	2.11	0.9%
1430020097	2023-02-21	2.65	2.65	0.0%	1.79	1.83	2.2%
1430020272	2023-02-21	2.22	2.27	2.2%	3.49	3.54	1.4%
1430020278	2023-02-21	1.61	1.65	2.5%	1.81	1.78	1.7%
1430018063	2023-02-21	0.09	0.09	0.0%	1.40	1.42	1.4%
1430018102	2023-02-21	0.22	0.23	4.4%	1.72	1.78	3.4%
1430020170	2023-02-21	2.14	2.17	1.4%	6.65	7.00	5.1%
1430018158	2023-02-22	0.10	0.10	0.0%	1.01	1.07	5.8%
1430018159	2023-02-22	0.14	0.15	6.9%	1.33	1.32	0.8%
1430020136	2023-02-22	1.44	1.44	0.0%	1.33	1.29	3.1%
1430020147	2023-02-22	1.85	1.89	2.1%	0.75	0.73	2.7%
1430020196	2023-02-22	1.45	1.45	0.0%	1.97	1.98	0.5%
1430020216	2023-02-22	1.42	1.41	0.7%	0.95	1.01	6.1%
1430020268	2023-02-22	2.15	2.15	0.0%	2.76	2.85	3.2%
1316031637	2023-02-22	0.88	0.85	3.5%	1.92	1.91	0.5%
1430020226	2023-02-22	1.25	1.22	2.4%	2.52	2.49	1.2%
1430031048	2023-02-22	1.13	1.16	2.6%	1.81	1.89	4.3%
1316031630	2023-02-23	1.04	1.06	1.9%	2.04	2.08	1.9%
1316031662	2023-02-23	0.89	0.89	0.0%	1.64	1.57	4.4%
1430031035	2023-02-23	0.52	0.54	3.8%	0.37	0.36	2.7%
1430031062	2023-02-23	2.15	2.16	0.5%	0.25	0.23	8.3%
1430031069	2023-02-23	2.36	2.19	7.5%	0.97	0.95	2.1%
1430031086	2023-02-23	1.09	1.09	0.0%	0.56	0.53	5.5%
1316031090	2023-02-23	0.39	0.39	0.0%	2.40	2.49	3.7%
1430018181	2023-02-23	0.39	0.40	2.5%	1.24	1.24	0.0%
1316031014	2023-02-24	0.66	0.63	4.7%	1.80	1.71	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)
1316031034	2023-02-24	0.86	0.83	3.6%	2.00	1.81	10.0%
1316031081	2023-02-24	1.04	1.03	1.0%	1.72	1.74	1.2%
1316031665	2023-02-24	1.06	1.10	3.7%	1.55	1.57	1.3%
1430032101	2023-02-24	1.32	1.33	0.8%	2.76	2.81	1.8%
1430032136	2023-02-24	0.65	0.66	1.5%	1.62	1.56	3.8%
1316031035	2023-02-24	0.83	0.83	0.0%	2.20	2.19	0.5%
1430032025	2023-02-24	0.70	0.71	1.4%	2.05	2.07	1.0%
1430032089	2023-02-24	0.90	0.89	1.1%	1.89	1.91	1.1%
1430032112	2023-02-24	1.76	1.74	1.1%	5.55	5.54	0.2%
1430020184	2023-02-25	2.00	1.97	1.5%	5.72	5.68	0.7%
1430032069	2023-02-25	0.88	0.90	2.2%	0.69	0.69	0.0%
1430018010	2023-02-25	0.54	0.53	1.9%	1.53	1.47	4.0%
1430018056	2023-02-25	0.59	0.59	0.0%	1.70	1.74	2.3%
1430031603	2023-02-25	1.17	1.17	0.0%	1.78	1.78	0.0%
1430032004	2023-02-25	1.12	1.10	1.8%	0.73	0.74	1.4%
1430032063	2023-02-25	1.05	1.07	1.9%	1.26	1.30	3.1%
1430032122	2023-02-25	0.69	0.70	1.4%	0.94	0.92	2.2%
1430032629	2023-02-26	0.53	0.56	5.5%	1.99	2.01	1.0%
1430024025	2023-02-26	1.27	1.27	0.0%	3.60	3.54	1.7%
1430024082	2023-02-26	1.69	1.73	2.3%	6.35	6.31	0.6%
1430031619	2023-02-26	0.69	0.70	1.4%	0.39	0.41	5.0%
1430031644	2023-02-26	1.31	1.30	0.8%	1.38	1.38	0.0%
1430032649	2023-02-26	0.72	0.71	1.4%	0.91	0.91	0.0%
1430032666	2023-02-26	0.69	0.70	1.4%	1.48	1.39	6.3%
1430032675	2023-02-26	0.71	0.73	2.8%	0.78	0.77	1.3%
1430019199	2023-02-27	0.38	0.39	2.6%	1.52	1.60	5.1%
1430032615	2023-02-27	0.54	0.57	5.4%	1.32	1.31	0.8%
1316031610	2023-02-28	0.42	0.44	4.7%	2.15	2.24	4.1%
1429007123	2023-02-28	1.06	1.05	0.9%	0.97	1.00	3.0%
1429007160	2023-02-28	1.17	1.18	0.9%	2.57	2.50	2.8%
1429007166	2023-02-28	1.97	1.95	1.0%	0.50	0.49	2.0%
1430019220	2023-02-28	0.22	0.22	0.0%	0.91	0.91	0.0%
1430024095	2023-02-28	1.85	1.76	5.0%	6.43	6.22	3.3%
1430024114	2023-02-28	1.42	1.46	2.8%	6.45	6.53	1.2%
1316031684	2023-02-28	0.47	0.47	0.0%	2.11	2.07	1.9%
1316031686	2023-02-28	0.29	0.28	3.5%	2.17	2.03	6.7%
1316031903	2023-02-28	0.37	0.38	2.7%	1.93	1.97	2.1%
1316031930	2023-02-28	0.31	0.32	3.2%	1.24	1.23	0.8%
1429007148	2023-02-28	0.72	0.72	0.0%	1.62	1.64	1.2%
1430024127	2023-02-28	1.87	1.91	2.1%	3.50	3.48	0.6%
1316031974	2023-03-01	0.25	0.25	0.0%	1.88	1.89	0.5%
1430019620	2023-03-01	0.10	0.09	10.5%	2.31	2.15	7.2%
1430024074	2023-03-01	1.31	1.28	2.3%	6.43	6.38	0.8%
1431043230	2023-03-01	0.25	0.26	3.9%	2.19	2.28	4.0%
1428002014	2023-03-01	0.76	0.77	1.3%	0.46	0.47	2.2%
1430019644	2023-03-01	0.04	0.04	0.0%	1.28	1.27	0.8%
1430024175	2023-03-01	1.54	1.54	0.0%	1.72	1.69	1.8%
1430024266	2023-03-01	1.28	1.29	0.8%	4.34	4.34	0.0%
1431043232	2023-03-01	0.32	0.33	3.1%	1.84	1.81	1.6%
1308002003	2023-03-02	0.20	0.21	4.9%	1.56	1.56	0.0%
1308002022	2023-03-02	1.10	1.09	0.9%	0.17	0.17	0.0%
1308002051	2023-03-02	0.43	0.43	0.0%	1.20	1.13	6.0%
1308002037	2023-03-03	0.13	0.13	0.0%	1.17	1.18	0.9%
1308002095	2023-03-03	0.14	0.14	0.0%	1.74	1.80	3.4%
1430018176	2023-03-03	0.16	0.17	6.1%	1.64	1.72	4.8%
1430019200	2023-03-03	0.18	0.17	5.7%	1.32	1.33	0.8%
1431043080	2023-03-03	1.26	1.31	3.9%	1.69	1.78	5.2%
1431091016	2023-03-03	2.48	2.36	5.0%	1.57	1.45	7.9%
1308002167	2023-03-03	0.33	0.33	0.0%	1.66	1.61	3.1%
1308002180	2023-03-03	0.06	0.06	0.0%	1.49	1.41	5.5%

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)
1308002096	2023-03-04	0.11	0.11	0.0%	1.30	1.31	0.8%
1316036051	2023-03-04	0.50	0.51	2.0%	1.01	1.00	1.0%
1308002106	2023-03-04	0.24	0.24	0.0%	1.35	1.37	1.5%
1308002110	2023-03-04	0.41	0.41	0.0%	1.02	1.00	2.0%
1316036048	2023-03-04	0.54	0.54	0.0%	0.63	0.63	0.0%
1316036033	2023-03-05	0.35	0.36	2.8%	0.82	0.83	1.2%
1316036017	2023-03-05	0.23	0.23	0.0%	1.10	1.09	0.9%
1316035010	2023-03-06	0.60	0.59	1.7%	1.13	1.11	1.8%
1316035019	2023-03-06	0.27	0.27	0.0%	0.73	0.73	0.0%
1316034013	2023-03-06	0.44	0.43	2.3%	1.25	1.25	0.0%
1316034044	2023-03-06	0.28	0.28	0.0%	1.58	1.54	2.6%
1316034051	2023-03-06	0.19	0.20	5.1%	0.71	0.70	1.4%
1316035024	2023-03-06	0.19	0.19	0.0%	0.66	0.65	1.5%
1316034046	2023-03-07	0.46	0.46	0.0%	1.29	1.33	3.1%
1314014015	2023-03-07	0.69	0.69	0.0%	2.26	2.33	3.1%
1314014033	2023-03-07	0.81	0.82	1.2%	2.05	2.10	2.4%
1316038024	2023-03-08	0.81	0.82	1.2%	1.99	1.93	3.1%
1316038025	2023-03-08	0.88	0.89	1.1%	2.18	2.20	0.9%
1316038041	2023-03-08	0.68	0.66	3.0%	1.87	1.87	0.0%
1316038058	2023-03-08	1.32	1.32	0.0%	2.94	2.90	1.4%
1316037076	2023-03-09	0.15	0.15	0.0%	2.43	2.35	3.3%
1316038027	2023-03-09	0.94	0.92	2.2%	1.77	1.77	0.0%
1316038060	2023-03-09	1.09	1.12	2.7%	2.39	2.46	2.9%
1316038064	2023-03-09	1.04	1.04	0.0%	1.70	1.67	1.8%
1316038226	2023-03-09	0.82	0.81	1.2%	2.16	2.15	0.5%
1316038627	2023-03-09	0.72	0.72	0.0%	1.64	1.65	0.6%
1316038659	2023-03-09	0.58	0.57	1.7%	1.68	1.67	0.6%
1316039005	2023-03-09	0.71	0.71	0.0%	2.52	2.53	0.4%
1316039045	2023-03-09	0.30	0.29	3.4%	2.32	2.29	1.3%
1316039071	2023-03-09	0.74	0.77	4.0%	2.30	2.37	3.0%
1316039921	2023-03-09	0.78	0.78	0.0%	2.37	2.35	0.8%
1429009072	2023-03-09	1.01	1.03	2.0%	0.53	0.53	0.0%
1430024179	2023-03-09	2.40	2.41	0.4%	1.05	1.05	0.0%
1316039077	2023-03-10	0.31	0.31	0.0%	2.09	2.09	0.0%
1316039934	2023-03-10	0.62	0.63	1.6%	3.09	3.15	1.9%
1429009034	2023-03-10	0.88	0.86	2.3%	1.99	2.03	2.0%
1429009140	2023-03-10	0.99	1.01	2.0%	1.23	1.24	0.8%
1316039021	2023-03-10	0.45	0.45	0.0%	2.01	2.00	0.5%
1316039026	2023-03-10	0.60	0.60	0.0%	1.69	1.69	0.0%
1316039940	2023-03-10	0.41	0.41	0.0%	2.79	2.78	0.4%
1316039946	2023-03-10	0.40	0.13	101.9%	0.97	0.97	0.0%
1429009020	2023-03-10	0.50	0.50	0.0%	0.52	0.55	5.6%
1430010316	2023-03-11	1.41	1.43	1.4%	2.43	2.42	0.4%
1429009086	2023-03-11	0.48	0.49	2.1%	0.64	0.64	0.0%
1430004144	2023-03-11	0.62	0.62	0.0%	0.91	0.92	1.1%
1316036204	2023-03-11	1.32	1.36	3.0%	0.79	0.80	1.3%
1316036623	2023-03-11	0.36	0.36	0.0%	0.65	0.61	6.3%
1430004056	2023-03-11	1.50	1.57	4.6%	4.35	4.40	1.1%
1430004080	2023-03-11	0.96	0.94	2.1%	3.02	2.97	1.7%
1316036221	2023-03-12	0.93	0.98	5.2%	1.57	1.67	6.2%
1316036262	2023-03-12	0.34	0.33	3.0%	0.98	1.00	2.0%
1316036608	2023-03-12	1.00	1.00	0.0%	0.56	0.58	3.5%
1316036637	2023-03-12	0.39	0.38	2.6%	0.92	0.96	4.3%
1316036665	2023-03-12	1.26	1.27	0.8%	0.89	0.89	0.0%
1316036672	2023-03-12	0.79	0.77	2.6%	0.61	0.60	1.7%
1430025326	2023-03-12	1.20	1.17	2.5%	1.96	1.90	3.1%
1316035209	2023-03-13	0.40	0.41	2.5%	1.31	1.33	1.5%
1316035602	2023-03-13	0.64	0.65	1.6%	1.86	1.80	3.3%
1316035629	2023-03-13	1.03	1.03	0.0%	2.30	2.31	0.4%
1430025144	2023-03-13	1.00	1.03	3.0%	1.49	1.50	0.7%

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)
1316034060	2023-03-13	0.65	0.65	0.0%	1.66	1.72	3.6%
1316035639	2023-03-13	0.68	0.66	3.0%	1.18	1.20	1.7%
1316039901	2023-03-13	0.88	0.90	2.2%	2.40	2.51	4.5%
1430025058	2023-03-13	0.67	0.66	1.5%	1.24	1.21	2.4%
1316034025	2023-03-14	0.46	0.45	2.2%	1.62	1.57	3.1%
1316034216	2023-03-14	0.48	0.47	2.1%	0.50	0.51	2.0%
1316034609	2023-03-14	0.66	0.68	3.0%	1.34	1.35	0.7%
1316034626	2023-03-14	0.44	0.47	6.6%	0.44	0.48	8.7%
1316034635	2023-03-14	0.47	0.47	0.0%	0.23	0.24	4.3%
1316034639	2023-03-14	0.56	0.55	1.8%	0.50	0.48	4.1%
1316034658	2023-03-14	0.42	0.42	0.0%	1.41	1.37	2.9%
1430025027	2023-03-14	1.00	1.03	3.0%	1.63	1.59	2.5%
1430025052	2023-03-14	1.15	1.12	2.6%	1.48	1.39	6.3%
1430025424	2023-03-14	1.99	1.95	2.0%	7.15	7.26	1.5%
1430025012	2023-03-15	1.54	1.56	1.3%	1.53	1.55	1.3%
1430025429	2023-03-15	1.29	1.32	2.3%	3.22	3.26	1.2%
1430023008	2023-03-15	1.21	1.20	0.8%	3.82	3.78	1.1%
1430023031	2023-03-15	1.12	1.11	0.9%	4.28	4.39	2.5%
1429010082	2023-03-16	0.66	0.65	1.5%	0.85	0.88	3.5%
1429010094	2023-03-16	0.93	0.94	1.1%	0.33	0.32	3.1%
1429010120	2023-03-16	0.46	0.47	2.2%	1.81	1.78	1.7%
1430023016	2023-03-16	0.80	0.81	1.2%	3.87	3.98	2.8%
1430023059	2023-03-16	1.10	1.09	0.9%	3.26	3.25	0.3%
1430023635	2023-03-16	1.23	1.24	0.8%	6.69	6.74	0.7%
1430025203	2023-03-16	0.98	0.96	2.1%	3.61	3.62	0.3%
1430025237	2023-03-16	1.54	1.54	0.0%	1.44	1.47	2.1%
1430025363	2023-03-16	1.82	1.82	0.0%	2.05	2.04	0.5%
1314511014	2023-03-17	0.50	0.50	0.0%	10.90	11.00	0.9%
1314511035	2023-03-17	0.19	0.19	0.0%	3.62	3.55	2.0%
1314511038	2023-03-17	0.26	0.26	0.0%	1.46	1.41	3.5%
1429010060	2023-03-17	1.39	1.40	0.7%	0.83	0.84	1.2%
1430021141	2023-03-18	1.13	1.14	0.9%	1.97	2.00	1.5%
1430025290	2023-03-18	1.24	1.23	0.8%	1.54	1.57	1.9%
1430021105	2023-03-19	1.96	1.94	1.0%	4.73	4.66	1.5%
1430021133	2023-03-19	0.94	0.95	1.1%	1.58	1.52	3.9%
1430025472	2023-03-19	1.12	1.11	0.9%	1.54	1.54	0.0%
1430025477	2023-03-19	1.83	1.85	1.1%	1.22	1.29	5.6%
1430029006	2023-03-19	1.24	1.23	0.8%	1.70	1.71	0.6%
1430021167	2023-03-20	1.95	1.94	0.5%	5.37	5.46	1.7%
1430029604	2023-03-20	1.16	1.15	0.9%	1.46	1.45	0.7%
1430029608	2023-03-20	1.02	1.05	2.9%	1.67	1.68	0.6%
1430021221	2023-03-20	2.26	2.41	6.4%	1.28	1.23	4.0%
1310002088	2023-03-20	0.10	0.11	9.5%	2.02	1.77	13.2%
1310005005	2023-03-20	0.17	0.18	5.7%	1.50	1.56	3.9%
1315018213	2023-03-20	0.68	0.69	1.5%	2.10	2.11	0.5%
1316025189	2023-03-20	0.40	0.39	2.5%	1.82	1.77	2.8%
1317047012	2023-03-20	0.61	0.60	1.7%	0.80	0.78	2.5%
1317047029	2023-03-20	0.61	0.62	1.6%	0.23	0.22	4.4%
1430007076	2023-03-20	1.29	1.30	0.8%	0.73	0.74	1.4%
1430007236	2023-03-20	0.47	0.46	2.2%	0.69	0.75	8.3%
1430008056	2023-03-20	1.48	1.44	2.7%	1.51	1.45	4.1%
1430009431	2023-03-20	1.44	1.43	0.7%	1.57	1.56	0.6%
1430030138	2023-03-20	0.86	0.85	1.2%	1.42	1.48	4.1%
1429010002	2023-03-20	1.35	1.35	0.0%	1.26	1.29	2.4%
1430021120	2023-03-20	1.30	1.32	1.5%	6.72	6.67	0.7%
1430021178	2023-03-20	1.93	1.93	0.0%	4.73	4.76	0.6%
1430027039	2023-03-21	1.93	1.90	1.6%	2.69	2.61	3.0%
1430027087	2023-03-21	1.44	1.50	4.1%	1.80	1.84	2.2%
1430029014	2023-03-21	0.42	0.38	10.0%	1.21	1.20	0.8%
1430029031	2023-03-21	0.37	0.36	2.7%	1.33	1.33	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)
1428003024	2023-03-21	0.68	0.68	0.0%	0.79	0.74	6.5%
1429011105	2023-03-21	0.38	0.38	0.0%	0.49	0.50	2.0%
1430027070	2023-03-21	1.89	1.88	0.5%	0.84	0.80	4.9%
1430029063	2023-03-21	0.10	0.10	0.0%	1.12	1.16	3.5%
1430029628	2023-03-21	0.23	0.20	14.0%	1.28	1.32	3.1%
1429011042	2023-03-22	1.38	1.42	2.9%	1.21	1.16	4.2%
1429011070	2023-03-22	0.89	0.89	0.0%	1.21	1.20	0.8%
1430027050	2023-03-22	2.90	2.94	1.4%	1.73	1.73	0.0%
1430028010	2023-03-22	0.36	0.25	36.1%	1.21	1.17	3.4%
1430028052	2023-03-22	0.13	0.13	0.0%	1.34	1.42	5.8%
1428003002	2023-03-22	1.02	1.01	1.0%	0.56	0.54	3.6%
1429011021	2023-03-22	1.53	1.54	0.7%	1.12	1.12	0.0%
1429011048	2023-03-22	0.51	0.51	0.0%	1.34	1.29	3.8%
1429011101	2023-03-22	0.04	0.04	0.0%	0.83	0.82	1.2%
1429011055	2023-03-23	0.85	0.82	3.6%	1.32	1.35	2.2%
1430027008	2023-03-23	2.65	2.77	4.4%	1.35	1.46	7.8%
1430028042	2023-03-23	0.31	0.31	0.0%	0.94	0.96	2.1%
1430028048	2023-03-23	0.08	0.07	13.3%	1.54	1.50	2.6%
1430027022	2023-03-23	1.07	1.09	1.9%	1.75	1.79	2.3%
1430022906	2023-03-24	1.77	1.82	2.8%	1.63	1.65	1.2%
1430027011	2023-03-24	2.06	2.07	0.5%	1.97	1.93	2.1%
1430034655	2023-03-24	1.55	1.53	1.3%	9.60	9.87	2.8%
1430034714	2023-03-24	1.55	1.58	1.9%	1.40	1.38	1.4%
1430022019	2023-03-25	1.35	1.33	1.5%	0.46	0.47	2.2%
1430022082	2023-03-25	1.63	1.61	1.2%	0.64	0.63	1.6%
1430022159	2023-03-25	2.05	2.02	1.5%	0.81	0.80	1.2%
1430022923	2023-03-25	0.74	0.75	1.3%	0.47	0.47	0.0%
1430034739	2023-03-25	1.52	1.53	0.7%	0.50	0.54	7.7%
1429002065	2023-03-25	1.38	1.38	0.0%	1.69	1.74	2.9%
1429002122	2023-03-25	1.03	1.03	0.0%	1.10	1.07	2.8%
1430022111	2023-03-25	1.95	2.00	2.5%	1.83	1.83	0.0%
1429002071	2023-03-26	1.33	1.29	3.1%	2.71	2.57	5.3%
1430022135	2023-03-26	2.56	2.51	2.0%	6.26	5.99	4.4%
1430022309	2023-03-26	1.91	1.85	3.2%	1.28	1.26	1.6%
1430022626	2023-03-26	1.81	1.87	3.3%	0.61	0.62	1.6%
1430022646	2023-03-26	1.33	1.30	2.3%	1.90	1.89	0.5%
1430022660	2023-03-26	0.94	0.95	1.1%	0.82	0.85	3.6%
1429002095	2023-03-26	1.38	1.38	0.0%	3.14	3.12	0.6%
1429011119	2023-03-26	0.21	0.22	4.7%	1.87	1.85	1.1%
1430022330	2023-03-26	1.92	1.92	0.0%	0.60	0.60	0.0%
1430022601	2023-03-26	2.01	2.02	0.5%	1.41	1.47	4.2%
1430022903	2023-03-26	2.08	2.08	0.0%	1.25	1.24	0.8%
1429011146	2023-03-27	1.06	1.06	0.0%	0.57	0.59	3.4%
1430022325	2023-03-27	1.88	1.86	1.1%	0.63	0.61	3.2%
1430022326	2023-03-27	1.73	1.75	1.1%	0.99	0.98	1.0%
1430022850	2023-03-27	1.19	1.13	5.2%	1.10	1.07	2.8%
1429013272	2023-03-27	1.28	1.27	0.8%	0.35	0.35	0.0%
1429013277	2023-03-27	0.50	0.50	0.0%	0.41	0.40	2.5%
1429013396	2023-03-27	1.96	1.95	0.5%	1.06	1.11	4.6%
1430022804	2023-03-27	1.09	1.08	0.9%	3.11	3.04	2.3%
1430022823	2023-03-27	1.54	1.56	1.3%	0.27	0.26	3.8%
1429013111	2023-03-28	1.79	1.77	1.1%	1.22	1.21	0.8%
1430022931	2023-03-28	1.93	1.97	2.1%	1.20	1.23	2.5%
1430034646	2023-03-28	2.30	2.27	1.3%	2.65	2.56	3.5%
1430034670	2023-03-28	1.88	1.89	0.5%	0.62	0.60	3.3%
1429013175	2023-03-28	0.97	0.97	0.0%	0.74	0.75	1.3%
1429013182	2023-03-28	1.47	1.46	0.7%	1.72	1.78	3.4%
1429013226	2023-03-28	2.30	2.30	0.0%	0.36	0.37	2.7%
1430034622	2023-03-28	1.50	1.48	1.3%	0.82	0.83	1.2%
1430034630	2023-03-28	1.90	1.92	1.0%	1.07	1.06	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)
1430034680	2023-03-28	1.74	1.71	1.7%	0.75	0.73	2.7%
1429002055	2023-03-29	1.22	1.24	1.6%	1.87	1.85	1.1%
1429002217	2023-03-29	1.57	1.60	1.9%	1.66	1.62	2.4%
1429002263	2023-03-29	1.86	1.86	0.0%	7.88	7.77	1.4%
1429013044	2023-03-29	0.77	0.78	1.3%	0.37	0.38	2.7%
1429013110	2023-03-29	1.55	1.61	3.8%	0.76	0.73	4.0%
1429013238	2023-03-29	0.66	0.67	1.5%	1.45	1.46	0.7%
1429013385	2023-03-29	1.60	1.54	3.8%	1.06	1.08	1.9%
1429013403	2023-03-29	0.82	0.83	1.2%	0.63	0.62	1.6%
1429013915	2023-03-29	1.55	1.57	1.3%	0.48	0.49	2.1%
1430034604	2023-03-29	1.52	1.53	0.7%	0.52	0.52	0.0%
1430034613	2023-03-29	1.87	1.91	2.1%	0.82	0.82	0.0%
1430035182	2023-03-29	2.39	2.46	2.9%	1.19	1.22	2.5%
1430035233	2023-03-29	1.10	1.12	1.8%	3.36	3.36	0.0%
1429002029	2023-03-30	1.63	1.62	0.6%	2.33	2.32	0.4%
1429002219	2023-03-30	1.27	1.29	1.6%	2.11	2.12	0.5%
1429013053	2023-03-30	1.46	1.46	0.0%	0.54	0.54	0.0%
1429013267	2023-03-30	1.66	1.68	1.2%	0.61	0.63	3.2%
1430035192	2023-03-30	0.38	0.37	2.7%	1.39	1.34	3.7%
1430035209	2023-03-30	0.67	0.67	0.0%	0.93	0.93	0.0%
1430035801	2023-03-30	2.57	2.59	0.8%	1.13	1.12	0.9%
1429002143	2023-03-30	0.91	0.91	0.0%	4.52	4.53	0.2%
1429002155	2023-03-30	1.47	1.48	0.7%	3.21	3.29	2.5%
1430033005	2023-03-30	0.81	0.81	0.0%	2.11	2.10	0.5%
1430033009	2023-03-30	0.70	0.70	0.0%	1.84	1.84	0.0%
1430035207	2023-03-30	0.89	0.90	1.1%	0.85	0.85	0.0%
1430033112	2023-04-01	0.77	0.77	0.0%	1.68	1.66	1.2%
1430035093	2023-04-01	1.70	1.70	0.0%	0.84	0.84	0.0%
1430035104	2023-04-01	1.71	1.76	2.9%	1.36	1.38	1.5%
1430035159	2023-04-01	0.51	0.52	1.9%	1.28	1.27	0.8%
1430035177	2023-04-01	1.68	1.64	2.4%	1.40	1.40	0.0%
1429013097	2023-04-01	0.85	0.85	0.0%	1.58	1.53	3.2%
1430033800	2023-04-01	0.71	0.72	1.4%	0.96	0.97	1.0%
1430037716	2023-04-01	2.17	2.14	1.4%	0.84	0.80	4.9%
1430037717	2023-04-01	1.89	1.91	1.1%	0.84	0.84	0.0%
1429013369	2023-04-02	0.87	0.88	1.1%	1.09	1.08	0.9%
1429023053	2023-04-02	0.91	0.91	0.0%	1.71	1.73	1.2%
1430033065	2023-04-02	0.76	0.76	0.0%	1.99	2.02	1.5%
1430033115	2023-04-02	0.79	0.78	1.3%	1.91	1.93	1.0%
1430037041	2023-04-02	1.23	1.23	0.0%	0.22	0.22	0.0%
1430033024	2023-04-03	1.21	1.21	0.0%	1.60	1.56	2.5%
1430033044	2023-04-03	1.75	1.73	1.1%	2.72	2.64	3.0%
1430033071	2023-04-03	0.79	0.79	0.0%	1.48	1.47	0.7%
1430037065	2023-04-03	2.03	2.05	1.0%	0.92	0.92	0.0%
1430037005	2023-04-03	2.46	2.43	1.2%	0.20	0.19	5.1%
1430037037	2023-04-03	1.48	1.50	1.3%	3.07	3.11	1.3%
1430037048	2023-04-03	2.09	2.09	0.0%	1.64	1.63	0.6%
1430037770	2023-04-03	1.75	1.74	0.6%	0.30	0.30	0.0%
1316041030	2023-04-04	0.20	0.20	0.0%	2.51	2.45	2.4%
1316041088	2023-04-04	0.13	0.13	0.0%	1.62	1.61	0.6%
1429013124	2023-04-04	0.82	0.83	1.2%	0.75	0.73	2.7%
1429013150	2023-04-04	1.50	1.53	2.0%	1.50	1.49	0.7%
1429013317	2023-04-04	0.86	0.90	4.5%	0.08	0.08	0.0%
1430037331	2023-04-04	1.28	1.28	0.0%	0.20	0.18	10.5%
1430037767	2023-04-04	1.74	1.77	1.7%	0.13	0.12	8.0%
1314013008	2023-04-04	0.30	0.32	6.5%	2.90	2.86	1.4%
1429013095	2023-04-04	0.64	0.65	1.6%	0.97	1.02	5.0%
1429013203	2023-04-04	0.73	0.74	1.4%	1.29	1.30	0.8%
1429013353	2023-04-04	1.13	1.13	0.0%	1.14	1.11	2.7%
1429013362	2023-04-04	0.68	0.69	1.5%	1.14	1.15	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)
1429013076	2023-04-05	1.23	1.24	0.8%	1.68	1.71	1.8%
1429013140	2023-04-05	1.32	1.31	0.8%	1.47	1.47	0.0%
1429013186	2023-04-05	0.27	0.27	0.0%	0.55	0.53	3.7%
1429013241	2023-04-05	1.41	1.38	2.2%	1.58	1.55	1.9%
1429013242	2023-04-06	1.11	1.14	2.7%	1.13	1.12	0.9%
1429014044	2023-04-06	0.79	0.82	3.7%	1.86	1.93	3.7%
1429014112	2023-04-06	0.81	0.81	0.0%	1.12	1.11	0.9%
1429014126	2023-04-06	0.93	0.93	0.0%	1.25	1.28	2.4%
1429014176	2023-04-06	0.76	0.76	0.0%	1.08	1.05	2.8%
1429014162	2023-04-07	0.72	0.72	0.0%	0.46	0.49	6.3%
1429012222	2023-04-07	1.34	1.36	1.5%	3.03	3.11	2.6%
1429014066	2023-04-07	0.69	0.72	4.3%	1.77	1.83	3.3%
1429012017	2023-04-08	1.64	1.70	3.6%	4.35	4.42	1.6%
1429012154	2023-04-08	1.22	1.20	1.7%	1.59	1.55	2.5%
1429012188	2023-04-08	1.36	1.35	0.7%	1.47	1.49	1.4%
1429012191	2023-04-08	1.20	1.19	0.8%	1.14	1.16	1.7%
1429012298	2023-04-08	1.16	1.15	0.9%	1.07	1.11	3.7%
1429027117	2023-04-08	1.07	1.05	1.9%	1.83	1.83	0.0%
1316042015	2023-04-08	0.34	0.34	0.0%	2.57	2.43	5.6%
1316042062	2023-04-08	0.56	0.55	1.8%	1.66	1.64	1.2%
1429012021	2023-04-08	1.90	1.87	1.6%	7.13	7.12	0.1%
1429012084	2023-04-08	1.80	1.78	1.1%	2.61	2.51	3.9%
1429012121	2023-04-08	1.94	2.01	3.5%	2.45	2.56	4.4%
1429012217	2023-04-08	1.69	1.70	0.6%	1.88	1.91	1.6%
1429012271	2023-04-08	1.57	1.52	3.2%	3.09	3.01	2.6%
1316042029	2023-04-09	0.72	0.72	0.0%	1.59	1.60	0.6%
1316042065	2023-04-09	0.58	0.57	1.7%	2.04	2.02	1.0%
1316042069	2023-04-09	0.48	0.48	0.0%	1.63	1.62	0.6%
1429027028	2023-04-09	0.70	0.71	1.4%	1.75	1.79	2.3%
1429017829	2023-04-10	0.58	0.60	3.4%	2.18	2.20	0.9%
1429018194	2023-04-11	1.57	1.32	17.3%	2.36	1.44	48.4%
1429017046	2023-04-11	0.24	0.24	0.0%	1.90	1.90	0.0%
1429018113	2023-04-11	1.34	1.31	2.3%	3.13	3.14	0.3%
1429018116	2023-04-11	1.22	1.21	0.8%	2.41	2.43	0.8%
1429027031	2023-04-11	1.32	1.41	6.6%	1.62	1.70	4.8%
1429027088	2023-04-11	0.13	0.12	8.0%	0.52	0.54	3.8%
1429027110	2023-04-11	0.31	0.36	14.9%	0.74	0.83	11.5%
1429017006	2023-04-12	1.23	1.20	2.5%	2.39	2.37	0.8%
1429017907	2023-04-12	1.22	1.23	0.8%	1.98	1.95	1.5%
1429018475	2023-04-12	1.32	1.33	0.8%	2.90	3.02	4.1%
1429018537	2023-04-12	1.73	1.73	0.0%	2.95	3.02	2.3%
1429017035	2023-04-13	1.18	1.18	0.0%	2.02	1.97	2.5%
1429017812	2023-04-13	0.94	0.95	1.1%	2.13	2.08	2.4%
1429018042	2023-04-13	1.61	1.64	1.8%	6.07	6.13	1.0%
1429027034	2023-04-13	0.97	0.96	1.0%	1.73	1.73	0.0%
1429017452	2023-04-13	0.73	0.74	1.4%	0.83	0.83	0.0%
1429017940	2023-04-13	0.16	0.17	6.1%	1.02	1.04	1.9%
1429018027	2023-04-13	1.33	1.34	0.7%	0.88	0.81	8.3%
1429018088	2023-04-13	1.82	1.84	1.1%	3.53	3.57	1.1%
1429017640	2023-04-14	0.27	0.28	3.6%	2.50	2.50	0.0%
1429018129	2023-04-14	1.21	1.23	1.6%	1.44	1.46	1.4%
1429018166	2023-04-14	1.73	1.71	1.2%	4.51	4.44	1.6%
1429017109	2023-04-15	0.97	0.99	2.0%	1.83	1.84	0.5%
1429017601	2023-04-15	0.44	0.46	4.4%	1.20	1.20	0.0%
1429017624	2023-04-15	0.36	0.37	2.7%	1.11	1.16	4.4%
1429017662	2023-04-15	0.20	0.15	28.6%	1.63	1.63	0.0%
1429017688	2023-04-15	0.09	0.09	0.0%	1.07	1.09	1.9%
1315019093	2023-04-16	0.36	0.36	0.0%	1.05	1.04	1.0%
1315019615	2023-04-16	0.53	0.54	1.9%	0.73	0.78	6.6%
1315019625	2023-04-16	0.60	0.60	0.0%	1.67	1.65	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)
1429017736	2023-04-16	0.20	0.20	0.0%	1.42	1.45	2.1%
1429018524	2023-04-16	1.06	1.10	3.7%	2.54	2.67	5.0%
1429018551	2023-04-16	0.94	0.90	4.3%	1.57	1.62	3.1%
1429018605	2023-04-16	0.96	0.91	5.3%	1.60	1.51	5.8%
1315019030	2023-04-16	0.23	0.23	0.0%	1.05	1.05	0.0%
142800108	2023-04-17	1.48	1.49	0.7%	3.03	3.12	2.9%
142800111	2023-04-17	2.02	2.09	3.4%	4.90	5.01	2.2%
142800122	2023-04-17	1.71	1.69	1.2%	3.59	3.77	4.9%
1315019065	2023-04-17	0.31	0.31	0.0%	0.83	0.82	1.2%
1429017520	2023-04-17	0.21	0.21	0.0%	1.09	1.10	0.9%
1315019057	2023-04-18	0.66	0.68	3.0%	0.97	1.04	7.0%
1429017440	2023-04-18	0.34	0.34	0.0%	1.09	1.07	1.9%
1429017470	2023-04-18	0.53	0.52	1.9%	0.86	0.87	1.2%
1315019034	2023-04-18	0.39	0.37	5.3%	0.31	0.31	0.0%
1315019170	2023-04-18	0.54	0.55	1.8%	2.17	2.12	2.3%
1315019636	2023-04-18	0.50	0.51	2.0%	1.09	1.10	0.9%
1429017280	2023-04-18	0.80	0.80	0.0%	1.97	1.96	0.5%
1315019024	2023-04-19	0.23	0.23	0.0%	1.41	1.41	0.0%
1315019673	2023-04-19	0.28	0.29	3.5%	1.34	1.38	2.9%
1429017372	2023-04-19	0.78	0.78	0.0%	1.35	1.35	0.0%
1429017378	2023-04-19	1.08	1.06	1.9%	1.28	1.23	4.0%
1429017253	2023-04-19	0.77	0.77	0.0%	1.27	1.26	0.8%
1429017302	2023-04-19	0.22	0.22	0.0%	1.72	1.78	3.4%
1429017230	2023-04-20	0.14	0.14	0.0%	0.92	0.92	0.0%
1429017291	2023-04-20	0.11	0.10	9.5%	1.13	1.00	12.2%
1429017320	2023-04-20	0.24	0.24	0.0%	1.30	1.31	0.8%
1429017380	2023-04-20	0.56	0.55	1.8%	1.63	1.61	1.2%
1315020098	2023-04-20	0.28	0.28	0.0%	1.08	1.11	2.7%
1429017164	2023-04-20	0.30	0.32	6.5%	2.23	2.26	1.3%
1429017703	2023-04-21	0.25	0.26	3.9%	1.23	1.18	4.1%
1315020031	2023-04-21	0.35	0.36	2.8%	2.49	2.47	0.8%
1315020111	2023-04-21	0.21	0.21	0.0%	0.87	0.85	2.3%
1429017199	2023-04-21	0.67	0.66	1.5%	1.49	1.51	1.3%
1429013243	2023-04-21	1.33	1.35	1.5%	0.76	0.78	2.6%
1429014122	2023-04-21	0.79	0.80	1.3%	1.12	1.13	0.9%
1429017129	2023-04-21	1.21	1.19	1.7%	1.85	1.88	1.6%
1429017374	2023-04-21	0.92	0.91	1.1%	1.17	1.16	0.9%
1429018037	2023-04-21	2.33	2.37	1.7%	5.01	5.08	1.4%
1429018611	2023-04-21	1.57	1.57	0.0%	3.33	3.28	1.5%
1429027246	2023-04-21	1.00	0.99	1.0%	1.26	1.30	3.1%
1430037073	2023-04-21	1.81	1.74	3.9%	2.21	2.11	4.6%
1430037756	2023-04-21	2.21	2.16	2.3%	0.75	0.75	0.0%
1315020022	2023-04-22	0.43	0.42	2.4%	1.12	1.12	0.0%
1315020192	2023-04-22	0.52	0.53	1.9%	2.59	2.66	2.7%
1429033062	2023-04-22	1.19	1.20	0.8%	1.70	1.66	2.4%
1429033110	2023-04-22	0.91	0.93	2.2%	0.92	0.91	1.1%
1429033126	2023-04-22	0.84	0.84	0.0%	1.94	1.96	1.0%
1429033182	2023-04-22	1.05	1.05	0.0%	2.00	1.98	1.0%
1429033196	2023-04-22	0.86	0.82	4.8%	0.51	0.52	1.9%
1429033204	2023-04-22	0.65	0.65	0.0%	1.49	1.51	1.3%
1429028293	2023-04-23	0.69	0.65	6.0%	0.50	0.51	2.0%
1429028338	2023-04-23	1.62	1.64	1.2%	1.04	1.07	2.8%
1429028386	2023-04-23	0.43	0.43	0.0%	0.63	0.63	0.0%
1429033039	2023-04-23	1.09	1.08	0.9%	1.80	1.89	4.9%
1429033659	2023-04-23	0.74	0.75	1.3%	1.83	1.79	2.2%
1429028237	2023-04-23	0.70	0.71	1.4%	1.55	1.55	0.0%
1429033028	2023-04-23	0.79	0.79	0.0%	1.19	1.20	0.8%
1429033043	2023-04-23	1.25	1.25	0.0%	1.44	1.44	0.0%
1429033082	2023-04-23	1.02	1.03	1.0%	1.93	1.88	2.6%
1429033226	2023-04-23	1.08	1.09	0.9%	1.38	1.37	0.7%

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)
1429033699	2023-04-23	1.10	1.10	0.0%	1.70	1.70	0.0%
1315020243	2023-04-24	0.29	0.29	0.0%	1.45	1.44	0.7%
1429028083	2023-04-24	1.87	1.82	2.7%	1.06	1.05	0.9%
1429033616	2023-04-24	1.19	1.23	3.3%	1.04	1.04	0.0%
1429033665	2023-04-24	1.08	1.08	0.0%	1.28	1.26	1.6%
1315020064	2023-04-24	0.38	0.40	5.1%	1.08	1.08	0.0%
1429016837	2023-04-24	1.08	1.07	0.9%	0.83	0.84	1.2%
1429028103	2023-04-24	0.92	0.91	1.1%	0.85	0.86	1.2%
1429028206	2023-04-24	0.82	0.83	1.2%	0.93	0.93	0.0%
1429033006	2023-04-24	1.75	1.77	1.1%	0.59	0.58	1.7%
1429033012	2023-04-24	0.93	0.93	0.0%	0.79	0.79	0.0%
1429033709	2023-04-24	2.87	2.86	0.3%	1.15	1.19	3.4%
1429016811	2023-04-25	1.03	1.04	1.0%	0.57	0.59	3.4%
1429016845	2023-04-25	1.71	1.69	1.2%	0.48	0.47	2.1%
1429028063	2023-04-25	0.99	0.98	1.0%	1.55	1.57	1.3%
1429028115	2023-04-25	0.80	0.81	1.2%	1.79	1.79	0.0%
1429016290	2023-04-25	0.13	0.13	0.0%	0.25	0.24	4.1%
1429028029	2023-04-25	0.69	0.68	1.5%	2.00	2.03	1.5%
1429028162	2023-04-25	1.30	1.30	0.0%	0.16	0.15	6.5%
1429016267	2023-04-26	0.82	0.82	0.0%	0.73	0.95	26.2%
1429019719	2023-04-26	2.36	2.37	0.4%	2.17	2.19	0.9%
1429019728	2023-04-26	1.02	1.02	0.0%	5.32	5.28	0.8%
1429028048	2023-04-26	0.82	0.79	3.7%	1.79	1.78	0.6%
1429028173	2023-04-26	0.77	0.77	0.0%	1.21	1.22	0.8%
1429019700	2023-04-26	2.18	2.17	0.5%	0.35	0.34	2.9%
1429028267	2023-04-26	0.84	0.85	1.2%	2.40	2.37	1.3%
1429016174	2023-04-27	1.83	1.82	0.5%	4.62	4.65	0.6%
1429016193	2023-04-27	1.45	1.44	0.7%	6.00	6.03	0.5%
1429028086	2023-04-27	2.73	2.72	0.4%	0.41	0.43	4.8%
1429029005	2023-04-27	0.91	0.91	0.0%	5.54	5.53	0.2%
1429029078	2023-04-27	1.28	1.29	0.8%	10.50	10.30	1.9%
1429016259	2023-04-27	0.60	0.60	0.0%	0.67	0.69	2.9%
1429028260	2023-04-27	1.08	0.78	32.3%	1.43	1.42	0.7%
1429028312	2023-04-27	0.98	0.81	19.0%	1.52	1.56	2.6%
1429028180	2023-04-28	0.98	0.99	1.0%	1.56	1.60	2.5%
1429028203	2023-04-28	1.11	1.11	0.0%	2.22	2.34	5.3%
1429029009	2023-04-28	1.10	1.10	0.0%	5.97	5.98	0.2%
1429029089	2023-04-28	2.72	2.70	0.7%	1.00	0.98	2.0%
1429029614	2023-04-28	2.39	2.38	0.4%	2.61	2.56	1.9%
1429029672	2023-04-28	1.33	1.32	0.8%	5.02	4.98	0.8%
1429028133	2023-04-28	0.77	0.92	17.8%	0.94	0.94	0.0%
1429029618	2023-04-28	1.46	1.76	18.6%	1.53	1.48	3.3%
1315020006	2023-04-29	0.26	0.26	0.0%	2.14	2.06	3.8%
1429028284	2023-04-29	0.61	0.62	1.6%	0.44	0.46	4.4%
1429016222	2023-04-29	1.31	1.29	1.5%	3.75	3.70	1.3%
1429029628	2023-04-29	1.29	1.24	4.0%	1.68	1.71	1.8%
1315020058	2023-04-30	0.33	0.34	3.0%	1.40	1.35	3.6%
1429016051	2023-04-30	1.61	1.66	3.1%	2.55	2.41	5.6%
1429016171	2023-04-30	1.78	1.76	1.1%	3.54	3.52	0.6%
1429029036	2023-04-30	2.64	2.66	0.8%	0.97	0.97	0.0%
1429029106	2023-04-30	1.80	1.80	0.0%	2.69	2.81	4.4%
1429029644	2023-04-30	2.03	2.01	1.0%	0.81	0.84	3.6%
1314015013	2023-05-01	0.79	0.79	0.0%	1.85	1.86	0.5%
1315020102	2023-05-01	0.32	0.32	0.0%	1.86	1.86	0.0%
1429016147	2023-05-01	1.89	1.88	0.5%	4.10	4.15	1.2%
1429019553	2023-05-01	2.65	2.65	0.0%	0.26	0.26	0.0%
1429016100	2023-05-01	1.82	1.77	2.8%	6.68	6.37	4.8%
1429016176	2023-05-01	1.44	1.69	16.0%	5.38	5.24	2.6%
1429016062	2023-05-01	2.20	2.20	0.0%	2.38	2.34	1.7%
1429016230	2023-05-01	1.06	1.08	1.9%	0.93	1.01	8.2%

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)
1429029634	2023-05-01	1.62	1.64	1.2%	0.73	0.72	1.4%
1429019505	2023-05-01	1.08	1.07	0.9%	2.25	2.22	1.3%
1429019527	2023-05-01	1.97	1.98	0.5%	0.71	0.71	0.0%
1429016104	2023-05-02	1.28	1.27	0.8%	1.81	1.83	1.1%
1429019539	2023-05-02	2.21	2.21	0.0%	0.40	0.36	10.5%
1314015018	2023-05-02	0.60	0.53	12.4%	1.91	2.01	5.1%
1429016041	2023-05-02	0.64	1.23	63.1%	0.59	1.10	60.4%
1429019069	2023-05-02	1.25	1.25	0.0%	1.37	1.42	3.6%
1429019364	2023-05-02	1.37	1.48	7.7%	2.26	2.47	8.9%
1429019919	2023-05-02	1.70	1.64	3.6%	2.10	2.06	1.9%
1429019433	2023-05-03	1.43	1.38	3.6%	1.42	1.27	11.2%
1429030073	2023-05-03	2.72	2.75	1.1%	1.59	1.57	1.3%
1429030078	2023-05-03	1.52	1.53	0.7%	1.19	1.19	0.0%
1315020106	2023-05-03	0.65	0.23	95.5%	3.36	3.08	8.7%
1429019308	2023-05-03	1.41	1.35	4.3%	1.00	0.99	1.0%
1429030061	2023-05-03	0.93	0.94	1.1%	0.84	0.89	5.8%
1429030084	2023-05-03	1.10	1.09	0.9%	2.24	2.24	0.0%
1429019066	2023-05-04	1.70	1.69	0.6%	1.87	1.83	2.2%
1429030667	2023-05-04	2.36	2.36	0.0%	1.48	1.46	1.4%
1429019359	2023-05-05	1.34	1.36	1.5%	3.45	3.49	1.2%
1429021006	2023-05-05	1.74	1.76	1.1%	3.34	3.40	1.8%
1429021007	2023-05-05	2.16	2.18	0.9%	3.03	3.02	0.3%
1429019191	2023-05-05	1.91	1.91	0.0%	1.11	1.12	0.9%
1429021039	2023-05-05	1.76	1.76	0.0%	1.80	1.74	3.4%
1429021138	2023-05-05	1.62	1.61	0.6%	6.49	6.59	1.5%
1429030054	2023-05-05	1.05	1.05	0.0%	3.65	3.70	1.4%
1429030626	2023-05-05	1.29	1.28	0.8%	3.25	3.20	1.6%
1429030623	2023-05-06	1.95	1.98	1.5%	3.23	3.25	0.6%
1315020188	2023-05-06	0.52	0.53	1.9%	1.80	1.77	1.7%
1429021103	2023-05-06	1.67	1.67	0.0%	7.47	7.32	2.0%
1429021108	2023-05-06	1.53	1.53	0.0%	3.56	3.66	2.8%
1429021151	2023-05-06	1.60	1.57	1.9%	1.22	1.25	2.4%
1429021226	2023-05-06	2.78	2.79	0.4%	1.39	1.43	2.8%
1429021262	2023-05-06	2.33	2.30	1.3%	1.15	1.17	1.7%
1429021299	2023-05-06	1.76	1.72	2.3%	3.54	3.53	0.3%
1429030022	2023-05-06	1.43	1.43	0.0%	3.02	3.01	0.3%
1429030663	2023-05-06	0.98	0.99	1.0%	0.77	0.76	1.3%
1429021015	2023-05-07	1.93	1.93	0.0%	0.39	0.41	5.0%
1429021052	2023-05-07	1.78	1.78	0.0%	2.48	2.47	0.4%
1429021176	2023-05-07	1.22	1.20	1.7%	1.88	1.79	4.9%
1429021184	2023-05-07	1.65	1.65	0.0%	0.79	0.63	22.5%
1429021240	2023-05-07	2.04	2.01	1.5%	1.40	1.42	1.4%
1429021291	2023-05-07	1.53	1.50	2.0%	3.47	3.45	0.6%
1429021043	2023-05-07	1.27	1.25	1.6%	0.83	0.83	0.0%
1429022006	2023-05-07	2.08	2.08	0.0%	1.21	1.23	1.6%
1429022604	2023-05-07	1.94	1.95	0.5%	0.94	0.94	0.0%
1315035018	2023-05-08	0.22	0.33	40.0%	2.66	2.53	5.0%
1429021099	2023-05-08	1.44	1.46	1.4%	2.94	2.95	0.3%
1429021170	2023-05-08	1.77	1.77	0.0%	2.76	2.71	1.8%
1429022088	2023-05-08	1.16	1.90	48.4%	0.43	0.30	35.6%
1429022156	2023-05-08	1.38	1.38	0.0%	0.32	0.33	3.1%
1429022638	2023-05-08	1.87	1.89	1.1%	0.87	0.84	3.5%
1429022078	2023-05-08	1.92	1.87	2.6%	0.37	0.36	2.7%
1429022128	2023-05-08	1.87	1.88	0.5%	0.24	0.22	8.7%
1429022150	2023-05-08	1.43	1.43	0.0%	0.21	0.21	0.0%
1429031630	2023-05-11	1.15	1.14	0.9%	2.53	2.56	1.2%
1429031633	2023-05-11	1.54	1.55	0.6%	3.89	3.87	0.5%
1428008204	2023-05-11	0.64	0.66	3.1%	0.54	0.57	5.4%
1429031008	2023-05-11	1.11	1.09	1.8%	2.29	2.27	0.9%
1429031003	2023-05-11	0.97	0.97	0.0%	0.51	0.50	2.0%

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)
1429031617	2023-05-11	0.70	0.68	2.9%	1.67	1.74	4.1%
1315022017	2023-05-12	0.88	0.89	1.1%	1.74	1.77	1.7%
1429031025	2023-05-12	0.93	0.93	0.0%	1.57	1.51	3.9%
1428008210	2023-05-12	1.61	1.60	0.6%	0.77	0.79	2.6%
1315022095	2023-05-13	0.17	0.18	5.7%	1.37	1.33	3.0%
1315022100	2023-05-13	0.47	0.47	0.0%	1.37	1.34	2.2%
1428008122	2023-05-13	1.93	1.93	0.0%	1.63	1.58	3.1%
1315022138	2023-05-13	0.21	0.20	4.9%	1.19	1.15	3.4%
1427003014	2023-05-13	1.92	1.93	0.5%	0.53	0.54	1.9%
1427001013	2023-05-14	1.11	1.12	0.9%	1.91	1.92	0.5%
1429031038	2023-05-14	1.24	1.23	0.8%	2.39	2.41	0.8%
1429031048	2023-05-15	1.02	1.02	0.0%	1.56	1.60	2.5%
1428008078	2023-05-15	0.75	0.75	0.0%	0.72	0.73	1.4%
1428004016	2023-05-16	1.03	1.02	1.0%	7.70	7.71	0.1%
1428004035	2023-05-16	1.56	1.56	0.0%	3.05	3.05	0.0%
1428004622	2023-05-16	2.27	2.29	0.9%	2.53	2.43	4.0%
1428004623	2023-05-16	1.89	1.89	0.0%	3.11	3.12	0.3%
1428004636	2023-05-16	1.56	1.58	1.3%	7.06	7.08	0.3%
1428004646	2023-05-16	1.60	1.59	0.6%	4.94	4.96	0.4%
1428010152	2023-05-16	0.95	0.98	3.1%	0.35	0.34	2.9%
1428004030	2023-05-16	1.41	1.42	0.7%	10.80	10.80	0.0%
1428010133	2023-05-16	0.96	0.96	0.0%	1.55	1.53	1.3%
1428004158	2023-05-16	1.94	1.94	0.0%	2.52	2.51	0.4%
1428010129	2023-05-16	0.76	0.76	0.0%	0.56	0.58	3.5%
1428004027	2023-05-17	1.61	1.60	0.6%	5.65	5.73	1.4%
1428004107	2023-05-17	1.59	1.59	0.0%	2.14	2.17	1.4%
1428010105	2023-05-17	1.60	1.59	0.6%	1.44	1.45	0.7%
1428004175	2023-05-18	1.95	1.95	0.0%	4.87	4.75	2.5%
1428004180	2023-05-18	1.64	1.77	7.6%	3.94	4.54	14.2%
1428004184	2023-05-18	1.24	1.21	2.4%	7.43	7.32	1.5%
1428004188	2023-05-18	1.78	1.78	0.0%	3.62	3.63	0.3%
1428004191	2023-05-18	1.27	1.27	0.0%	4.51	4.52	0.2%
1428004200	2023-05-18	1.56	1.55	0.6%	3.98	4.00	0.5%
1428016247	2023-05-18	1.73	1.68	2.9%	7.13	6.87	3.7%
1428010117	2023-05-18	0.55	0.57	3.6%	0.28	0.27	3.6%
1428004140	2023-05-19	1.72	1.71	0.6%	5.13	5.16	0.6%
1428016053	2023-05-19	1.12	1.11	0.9%	3.72	3.71	0.3%
1428016102	2023-05-19	1.36	1.38	1.5%	1.79	1.80	0.6%
1428016187	2023-05-19	1.66	1.64	1.2%	6.41	6.39	0.3%
1428016282	2023-05-19	1.91	1.89	1.1%	1.20	1.21	0.8%
1428010070	2023-05-19	1.42	1.41	0.7%	1.33	1.35	1.5%
1428010008	2023-05-20	0.63	0.65	3.1%	1.60	1.69	5.5%
1428016024	2023-05-20	1.45	1.44	0.7%	2.73	2.77	1.5%
1428016088	2023-05-20	1.30	1.30	0.0%	2.62	2.63	0.4%
1428013078	2023-05-21	0.94	0.92	2.2%	1.75	1.73	1.1%
1428013151	2023-05-21	0.99	1.01	2.0%	1.81	1.83	1.1%
1428016009	2023-05-21	1.32	1.88	35.0%	3.24	5.33	48.8%
1428016067	2023-05-21	1.44	1.41	2.1%	5.55	5.63	1.4%
1428013097	2023-05-21	0.39	0.38	2.6%	0.68	0.67	1.5%
1428013110	2023-05-21	0.49	0.49	0.0%	2.13	2.11	0.9%
1428013136	2023-05-21	0.90	0.89	1.1%	1.87	1.82	2.7%
1428013163	2023-05-21	1.15	1.15	0.0%	1.46	1.47	0.7%
1428016037	2023-05-21	1.33	1.30	2.3%	6.84	6.80	0.6%
1428016121	2023-05-22	1.71	1.72	0.6%	5.93	5.94	0.2%
1428016138	2023-05-22	1.67	1.67	0.0%	4.87	4.81	1.2%
1428016219	2023-05-22	1.80	1.80	0.0%	3.71	3.81	2.7%
1428013186	2023-05-22	1.03	1.06	2.9%	1.66	1.63	1.8%
1428016218	2023-05-22	2.11	2.10	0.5%	7.52	7.45	0.9%
1428016537	2023-05-22	1.44	1.44	0.0%	1.34	1.26	6.2%
1428016547	2023-05-22	1.30	1.31	0.8%	1.68	1.67	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)
1428016555	2023-05-22	0.69	0.69	0.0%	0.76	0.78	2.6%
1428013010	2023-05-23	1.30	1.38	6.0%	1.44	1.31	9.5%
1428013037	2023-05-23	0.57	0.55	3.6%	1.51	1.46	3.4%
1428013200	2023-05-23	0.86	0.88	2.3%	1.81	1.81	0.0%
1428016527	2023-05-23	1.40	1.44	2.8%	2.24	2.22	0.9%
1315026611	2023-05-23	0.53	0.53	0.0%	1.18	1.17	0.9%
1315026649	2023-05-23	0.34	0.34	0.0%	0.83	0.83	0.0%
1428013242	2023-05-23	1.10	1.09	0.9%	1.95	1.88	3.7%
1428016213	2023-05-23	1.70	1.70	0.0%	7.65	7.66	0.1%
1428021081	2023-05-23	1.44	1.44	0.0%	0.35	0.33	5.9%
1315026657	2023-05-24	0.24	0.23	4.3%	0.81	0.76	6.4%
1428013254	2023-05-24	0.84	0.82	2.4%	2.24	2.16	3.6%
1428013272	2023-05-24	0.24	0.23	4.3%	0.81	0.75	7.7%
1428021024	2023-05-24	1.34	1.42	5.8%	0.94	1.12	17.5%
1428021110	2023-05-24	2.00	2.00	0.0%	2.42	2.51	3.7%
1428013302	2023-05-25	0.66	0.66	0.0%	1.32	1.32	0.0%
1428013326	2023-05-25	1.01	1.00	1.0%	1.47	1.48	0.7%
1428021051	2023-05-25	1.42	1.42	0.0%	4.58	4.49	2.0%
1428021078	2023-05-25	1.68	1.71	1.8%	2.02	2.08	2.9%
1315026023	2023-05-26	0.79	0.79	0.0%	1.15	1.17	1.7%
1315026048	2023-05-26	0.75	0.74	1.3%	1.39	1.36	2.2%
1428013352	2023-05-26	0.36	0.35	2.8%	1.27	1.23	3.2%
1428017033	2023-05-26	1.06	1.05	0.9%	3.87	3.87	0.0%
1428017034	2023-05-26	1.27	1.28	0.8%	3.97	3.97	0.0%
1428017057	2023-05-26	1.47	1.53	4.0%	2.63	2.81	6.6%
1428021115	2023-05-26	1.99	2.02	1.5%	1.73	1.76	1.7%
1315098147	2023-05-26	0.50	0.49	2.0%	1.82	1.81	0.6%
1315098195	2023-05-26	0.47	0.32	38.0%	3.02	3.13	3.6%
1428017053	2023-05-26	1.58	1.52	3.9%	1.49	1.55	3.9%
1315098130	2023-05-27	0.29	0.29	0.0%	1.39	1.39	0.0%
1428017049	2023-05-27	1.75	1.76	0.6%	3.84	3.76	2.1%
1315098170	2023-05-27	0.20	0.20	0.0%	2.16	2.15	0.5%
1315098228	2023-05-27	0.54	0.54	0.0%	0.92	0.89	3.3%
1315098431	2023-05-27	0.25	0.25	0.0%	2.19	2.20	0.5%
1428017052	2023-05-27	1.74	1.74	0.0%	3.52	3.55	0.8%
1315098280	2023-05-28	0.32	0.32	0.0%	2.94	2.93	0.3%
1315098513	2023-05-28	0.12	0.12	0.0%	2.96	2.95	0.3%
1428014016	2023-05-28	0.65	0.65	0.0%	1.45	1.48	2.0%
1428017079	2023-05-28	1.78	1.77	0.6%	2.85	2.80	1.8%
1315098301	2023-05-28	0.34	0.34	0.0%	2.14	2.11	1.4%
1315098519	2023-05-28	0.29	0.29	0.0%	2.52	2.49	1.2%
1428014183	2023-05-28	0.82	0.76	7.6%	1.85	1.82	1.6%
1428014114	2023-05-29	0.75	0.75	0.0%	1.47	1.43	2.8%
1428014142	2023-05-29	0.68	0.68	0.0%	2.19	2.14	2.3%
1428014172	2023-05-29	1.04	1.05	1.0%	1.22	1.26	3.2%
1428014248	2023-05-29	0.73	0.72	1.4%	1.42	1.46	2.8%
1428014416	2023-05-29	0.69	0.68	1.5%	1.70	1.64	3.6%
1428014418	2023-05-29	0.99	1.00	1.0%	1.41	1.46	3.5%
1428011036	2023-05-29	0.30	0.30	0.0%	0.82	0.83	1.2%
1428011053	2023-05-29	1.18	1.21	2.5%	1.52	1.56	2.6%
1428011110	2023-05-29	1.24	1.24	0.0%	1.12	1.14	1.8%
1428014111	2023-05-29	0.61	0.61	0.0%	1.27	1.28	0.8%
1428014194	2023-05-29	0.80	0.78	2.5%	1.47	1.50	2.0%
1428014207	2023-05-29	0.70	0.70	0.0%	1.36	1.41	3.6%
1428014411	2023-05-29	1.12	1.14	1.8%	2.14	2.19	2.3%
1428014420	2023-05-29	0.93	0.93	0.0%	1.58	1.59	0.6%
1428011023	2023-05-30	0.46	0.47	2.2%	1.16	1.17	0.9%
1428011043	2023-05-30	1.99	2.06	3.5%	1.79	1.80	0.6%
1428011102	2023-05-30	0.82	0.81	1.2%	0.97	0.98	1.0%
1428011544	2023-05-30	0.83	0.83	0.0%	1.30	1.31	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)
1428011075	2023-05-30	0.71	0.70	1.4%	1.09	1.04	4.7%
1428011529	2023-05-30	1.07	1.08	0.9%	1.32	1.33	0.8%
1428011533	2023-05-30	1.12	1.11	0.9%	0.79	0.81	2.5%
1428011575	2023-05-30	1.28	1.28	0.0%	1.26	1.27	0.8%
1428012155	2023-05-30	0.92	0.93	1.1%	0.41	0.44	7.1%
1428012156	2023-05-30	1.39	1.39	0.0%	0.38	0.33	14.1%
1428029043	2023-05-30	1.75	1.74	0.6%	6.09	6.13	0.7%
1428012168	2023-05-31	0.97	0.96	1.0%	2.16	2.08	3.8%
1428029070	2023-05-31	0.99	0.99	0.0%	6.04	6.08	0.7%
1428029085	2023-05-31	1.63	1.62	0.6%	2.71	2.62	3.4%
1428029126	2023-05-31	0.74	0.74	0.0%	1.41	1.42	0.7%
1428029188	2023-05-31	0.99	0.98	1.0%	1.84	1.84	0.0%
1428029113	2023-05-31	1.32	1.33	0.8%	1.40	1.34	4.4%
1428029136	2023-05-31	2.03	2.04	0.5%	1.51	1.66	9.5%
1428011519	2023-06-01	0.53	0.52	1.9%	2.01	1.92	4.6%
1428011549	2023-06-01	0.53	0.52	1.9%	1.93	1.91	1.0%
1428012195	2023-06-01	1.47	1.40	4.9%	1.04	1.00	3.9%
1428029054	2023-06-01	2.73	2.75	0.7%	1.55	1.45	6.7%
1428011089	2023-06-01	0.34	0.34	0.0%	1.77	1.82	2.8%
1428012008	2023-06-01	0.79	0.76	3.9%	0.76	0.72	5.4%
1428012021	2023-06-01	0.78	0.77	1.3%	1.08	1.14	5.4%
1428029121	2023-06-01	2.10	2.13	1.4%	5.51	5.41	1.8%
1428029150	2023-06-02	1.41	1.41	0.0%	3.87	3.91	1.0%
1428012004	2023-06-02	0.87	0.88	1.1%	0.88	0.98	10.8%
1428012012	2023-06-02	0.75	0.76	1.3%	1.18	1.15	2.6%
1428012020	2023-06-02	0.65	0.65	0.0%	0.99	1.05	5.9%
1428012080	2023-06-03	1.19	1.20	0.8%	0.49	0.44	10.8%
1428012128	2023-06-03	1.53	1.51	1.3%	0.27	0.31	13.8%
1428012018	2023-06-03	0.54	0.53	1.9%	0.26	0.25	3.9%
1428005670	2023-06-05	0.56	0.56	0.0%	1.02	1.04	1.9%
1428005012	2023-06-05	2.06	2.07	0.5%	0.44	0.42	4.7%
1428005610	2023-06-05	1.14	1.15	0.9%	0.50	0.49	2.0%
1428015012	2023-06-06	0.83	0.83	0.0%	1.70	1.66	2.4%
1315024279	2023-06-06	0.92	0.89	3.3%	1.98	1.98	0.0%
1428005022	2023-06-06	0.74	0.73	1.4%	0.60	0.56	6.9%
1315024284	2023-06-07	0.94	0.93	1.1%	1.86	1.85	0.5%
1428005062	2023-06-07	0.71	0.73	2.8%	1.25	1.24	0.8%
1428015644	2023-06-07	1.09	1.06	2.8%	1.28	1.27	0.8%
1428005082	2023-06-07	0.71	0.69	2.9%	1.27	1.21	4.8%
1428005126	2023-06-07	0.82	0.80	2.5%	0.84	0.85	1.2%
1428005156	2023-06-07	0.56	0.57	1.8%	1.33	1.26	5.4%
1428005674	2023-06-08	0.88	0.89	1.1%	0.77	0.77	0.0%
1428005192	2023-06-08	0.93	0.93	0.0%	0.91	0.95	4.3%
1428015114	2023-06-09	1.04	1.03	1.0%	1.75	1.71	2.3%
1429020016	2023-06-09	0.91	0.93	2.2%	0.48	0.49	2.1%
1429020321	2023-06-09	1.28	1.24	3.2%	0.60	0.59	1.7%
1429020338	2023-06-09	1.99	2.01	1.0%	2.21	2.20	0.5%
1429020345	2023-06-09	2.01	2.03	1.0%	0.77	0.76	1.3%
1429020390	2023-06-09	1.84	1.76	4.4%	3.07	3.01	2.0%
1429020139	2023-06-10	2.47	2.50	1.2%	0.77	0.77	0.0%
1429020324	2023-06-10	2.08	2.08	0.0%	0.86	0.87	1.2%
1429020431	2023-06-10	1.79	1.82	1.7%	0.75	0.80	6.5%
1428015098	2023-06-10	0.92	0.93	1.1%	1.62	1.58	2.5%
1429020143	2023-06-10	1.84	1.90	3.2%	1.04	0.99	4.9%
1429020206	2023-06-11	1.86	1.89	1.6%	1.67	1.64	1.8%
1429020373	2023-06-11	1.98	1.83	7.9%	0.98	1.01	3.0%
1429020417	2023-06-11	1.18	1.21	2.5%	1.94	1.96	1.0%
1429020440	2023-06-11	1.31	1.23	6.3%	1.81	1.31	32.1%
1429020429	2023-06-11	2.33	2.33	0.0%	0.35	0.35	0.0%
1315027066	2023-06-12	0.57	0.56	1.8%	1.45	1.47	1.4%

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)
1428015194	2023-06-12	0.58	0.58	0.0%	1.03	1.01	2.0%
1429020050	2023-06-12	1.21	1.23	1.6%	1.35	1.35	0.0%
1429020068	2023-06-12	0.59	0.61	3.3%	0.29	0.29	0.0%
1315027081	2023-06-12	0.77	0.81	5.1%	1.17	1.24	5.8%
1315027923	2023-06-12	0.56	0.57	1.8%	1.48	1.57	5.9%
1428019182	2023-06-12	1.25	1.25	0.0%	0.34	0.32	6.1%
1315027057	2023-06-13	0.50	0.52	3.9%	1.48	1.55	4.6%
1315027058	2023-06-13	0.50	0.49	2.0%	1.38	1.31	5.2%
1315027919	2023-06-13	0.33	0.32	3.1%	1.69	1.62	4.2%
1315027011	2023-06-13	0.27	0.27	0.0%	1.80	1.79	0.6%
1315027625	2023-06-13	0.35	0.37	5.6%	1.31	1.33	1.5%
1428019923	2023-06-13	2.46	2.52	2.4%	0.84	0.84	0.0%
1315027601	2023-06-14	0.29	0.29	0.0%	0.70	0.70	0.0%
1428019617	2023-06-14	1.74	1.75	0.6%	1.65	1.64	0.6%
1315027648	2023-06-14	0.39	0.39	0.0%	1.24	1.28	3.2%
1428019613	2023-06-14	2.08	2.17	4.2%	0.65	0.65	0.0%
1315027642	2023-06-15	0.40	0.39	2.5%	1.23	1.16	5.9%
1315033103	2023-06-15	0.10	0.10	0.0%	1.73	1.76	1.7%
1428019038	2023-06-15	2.08	2.06	1.0%	0.88	0.87	1.1%
1428019636	2023-06-15	1.99	2.05	3.0%	0.72	0.72	0.0%
1315033101	2023-06-15	0.16	0.16	0.0%	2.06	2.03	1.5%
1315033136	2023-06-15	0.35	0.35	0.0%	1.68	1.61	4.3%
1428019066	2023-06-15	1.38	1.38	0.0%	3.49	3.49	0.0%
1428019648	2023-06-15	2.24	2.26	0.9%	1.44	1.50	4.1%
1428019640	2023-06-16	1.82	1.78	2.2%	2.23	2.28	2.2%
1428019658	2023-06-16	1.42	1.43	0.7%	3.33	3.25	2.4%
1428019908	2023-06-16	1.17	1.18	0.9%	1.26	1.27	0.8%
1428018174	2023-06-16	1.08	1.07	0.9%	1.80	1.85	2.7%
1428018094	2023-06-17	0.81	0.83	2.4%	0.73	0.77	5.3%
1428018054	2023-06-17	1.20	1.19	0.8%	0.75	0.75	0.0%
1428018100	2023-06-17	2.16	2.20	1.8%	8.32	8.41	1.1%
1428018178	2023-06-17	1.35	1.37	1.5%	3.12	3.11	0.3%
1314016014	2023-06-18	0.25	0.28	11.3%	2.42	2.46	1.6%
1315025057	2023-06-18	1.18	1.23	4.1%	2.45	2.50	2.0%
1428018140	2023-06-18	1.55	1.53	1.3%	3.96	3.88	2.0%
1314016006	2023-06-18	0.36	0.37	2.7%	2.49	2.49	0.0%
1315025014	2023-06-19	0.85	0.85	0.0%	2.00	2.03	1.5%
1315025142	2023-06-19	0.35	0.36	2.8%	0.99	0.99	0.0%
1315033032	2023-06-19	0.49	0.50	2.0%	2.08	2.10	1.0%
1315033664	2023-06-19	0.21	0.21	0.0%	1.87	1.88	0.5%
1428018638	2023-06-19	0.76	0.75	1.3%	0.81	0.83	2.4%
1315033642	2023-06-20	0.37	0.38	2.7%	1.59	1.58	0.6%
1315025062	2023-06-20	0.35	0.36	2.8%	2.57	2.62	1.9%
1315025098	2023-06-20	0.32	0.31	3.2%	1.95	1.87	4.2%
1315025114	2023-06-20	0.75	0.74	1.3%	1.05	1.01	3.9%
1315033094	2023-06-20	0.19	0.19	0.0%	1.43	1.43	0.0%
1315033619	2023-06-20	0.54	0.55	1.8%	1.70	1.73	1.7%
1315033675	2023-06-20	0.35	0.35	0.0%	1.69	1.70	0.6%
1315033682	2023-06-20	0.85	0.86	1.2%	2.08	2.11	1.4%
1428006076	2023-06-20	1.69	1.71	1.2%	6.53	6.41	1.9%
1428018024	2023-06-20	0.80	0.79	1.3%	0.28	0.28	0.0%
1428020614	2023-06-20	2.36	2.38	0.8%	1.46	1.50	2.7%
1428020008	2023-06-20	2.28	2.24	1.8%	1.93	1.87	3.2%
1428020032	2023-06-21	1.39	1.40	0.7%	1.14	1.17	2.6%
1315033077	2023-06-21	0.14	0.14	0.0%	2.77	2.78	0.4%
1315033609	2023-06-21	0.84	0.87	3.5%	1.78	1.82	2.2%
1428020902	2023-06-21	1.78	1.87	4.9%	0.74	0.74	0.0%
1428020906	2023-06-21	1.13	1.12	0.9%	1.05	1.08	2.8%
1428006054	2023-06-21	1.53	1.55	1.3%	2.17	2.18	0.5%
1428020050	2023-06-21	1.16	1.16	0.0%	2.88	2.87	0.3%

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)
1428020056	2023-06-22	1.99	1.98	0.5%	0.45	0.45	0.0%
1428020073	2023-06-22	1.14	1.15	0.9%	7.86	7.99	1.6%
1428020109	2023-06-22	1.82	1.85	1.6%	3.20	3.16	1.3%
1428026618	2023-06-22	0.85	0.84	1.2%	1.04	1.03	1.0%
1428031139	2023-06-22	0.46	0.45	2.2%	1.21	1.20	0.8%
1428020184	2023-06-23	1.60	1.62	1.2%	0.36	0.35	2.8%
1428020200	2023-06-23	1.86	1.86	0.0%	0.61	0.59	3.3%
1428031121	2023-06-23	1.34	1.26	6.2%	1.66	1.55	6.9%
1428020128	2023-06-23	2.36	2.32	1.7%	0.63	0.62	1.6%
1428020232	2023-06-23	2.06	1.95	5.5%	2.57	2.67	3.8%
1428031036	2023-06-23	0.86	0.83	3.6%	1.81	1.81	0.0%
1428031057	2023-06-23	0.45	0.45	0.0%	1.80	1.83	1.7%
1428031091	2023-06-23	0.61	0.60	1.7%	1.10	1.10	0.0%
1428031119	2023-06-23	1.15	1.17	1.7%	1.49	1.52	2.0%
1428031153	2023-06-23	0.50	0.49	2.0%	1.18	1.13	4.3%
1428032674	2023-06-23	1.29	1.28	0.8%	1.40	1.43	2.1%
1428020243	2023-06-24	1.38	1.38	0.0%	0.69	0.68	1.5%
1428031104	2023-06-24	1.14	1.12	1.8%	1.40	1.35	3.6%
1428032038	2023-06-24	0.44	0.46	4.4%	0.96	1.00	4.1%
1428032607	2023-06-24	1.21	1.20	0.8%	2.58	2.62	1.5%
1428032634	2023-06-24	0.85	0.88	3.5%	0.32	0.32	0.0%
1428032650	2023-06-24	0.84	0.87	3.5%	0.93	0.92	1.1%
1428032600	2023-06-24	1.14	1.13	0.9%	1.25	1.25	0.0%
1428020115	2023-06-25	2.46	2.44	0.8%	2.51	2.47	1.6%
1428028117	2023-06-25	0.59	0.59	0.0%	0.70	0.69	1.4%
1428032006	2023-06-25	0.84	0.83	1.2%	0.97	1.00	3.0%
1428024055	2023-06-26	2.19	2.19	0.0%	7.96	7.99	0.4%
1428024126	2023-06-26	1.52	1.52	0.0%	8.34	8.32	0.2%
1428024143	2023-06-26	1.56	1.61	3.2%	0.75	0.77	2.6%
1428028146	2023-06-26	0.62	0.61	1.6%	0.66	0.64	3.1%
1428028156	2023-06-26	0.87	0.88	1.1%	0.98	0.94	4.2%
1428032640	2023-06-26	0.57	0.57	0.0%	0.16	0.15	6.5%
1428024108	2023-06-26	1.57	1.52	3.2%	0.82	0.76	7.6%
1428028048	2023-06-26	0.86	0.85	1.2%	1.09	1.08	0.9%
1428007004	2023-06-27	0.81	0.80	1.2%	1.50	1.48	1.3%
1428007123	2023-06-27	0.59	0.59	0.0%	0.71	0.70	1.4%
1428024159	2023-06-27	0.73	0.73	0.0%	1.14	1.14	0.0%
1428028127	2023-06-27	0.98	0.98	0.0%	0.79	0.86	8.5%
1315026079	2023-06-27	0.38	0.35	8.2%	1.37	1.42	3.6%
1315026632	2023-06-27	0.50	0.49	2.0%	1.27	1.26	0.8%
1315033108	2023-06-27	0.16	0.16	0.0%	2.05	2.06	0.5%
1315098210	2023-06-27	0.15	0.15	0.0%	3.86	3.85	0.3%
1428010099	2023-06-27	1.41	1.42	0.7%	1.40	1.44	2.8%
1428013032	2023-06-27	0.51	0.51	0.0%	1.04	1.00	3.9%
1428013070	2023-06-27	0.13	0.12	8.0%	0.32	0.33	3.1%
1428015424	2023-06-27	0.39	0.38	2.6%	2.30	2.27	1.3%
1428015624	2023-06-27	0.98	0.98	0.0%	1.44	1.51	4.7%
1428019061	2023-06-27	2.22	2.23	0.4%	3.19	3.18	0.3%
1428019123	2023-06-27	1.80	1.81	0.6%	0.56	0.56	0.0%
1428020188	2023-06-27	2.11	2.10	0.5%	0.54	0.54	0.0%
1428024140	2023-06-27	1.73	1.71	1.2%	0.89	0.91	2.2%
1428031026	2023-06-27	0.81	0.81	0.0%	1.43	1.40	2.1%
1428031133	2023-06-27	0.15	0.14	6.9%	0.97	1.00	3.0%
1428032083	2023-06-27	0.98	1.00	2.0%	1.73	1.74	0.6%
1429020408	2023-06-27	2.15	2.15	0.0%	0.97	0.97	0.0%
1429030036	2023-06-27	0.51	0.51	0.0%	1.93	1.92	0.5%
1429031635	2023-06-27	1.65	1.65	0.0%	2.06	1.98	4.0%
1428007147	2023-06-28	0.96	0.97	1.0%	1.76	1.77	0.6%
1428024102	2023-06-28	0.93	0.93	0.0%	1.96	2.00	2.0%
1428024634	2023-06-28	1.38	1.38	0.0%	1.65	1.66	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)
1428024647	2023-06-28	1.21	1.22	0.8%	3.41	3.33	2.4%
1428007006	2023-06-29	0.64	0.63	1.6%	1.69	1.69	0.0%
1428024635	2023-06-29	1.46	1.48	1.4%	1.31	1.27	3.1%
1315029125	2023-06-29	0.35	0.35	0.0%	0.94	0.91	3.2%

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
1314010088	2022-07-01	0.16	0.55	13	17	0.75	11.70	14.53	0.81
1314010050	2022-07-01	0.21	1.54	17	48	0.35	17.62	42.22	0.42
1314008176	2022-07-01	0.24	1.88	19	59	0.33	14.68	52.98	0.28
1322049419	2022-07-01	1.79	0.91	143	28	5.04	120.86	17.86	6.77
1322049438	2022-07-01	1.29	1.35	103	42	2.45	72.80	30.96	2.35
1314010084	2022-07-01	0.23	1.66	18	52	0.35	15.89	46.89	0.34
1314008002	2022-07-01	0.07	1.58	6	49	0.11	10.20	44.30	0.23
1314008010	2022-07-01	0.16	4.28	13	134	0.10	18.05	118.05	0.15
1322049001	2022-07-02	0.41	0.65	33	20	1.62	31.60	16.34	1.93
1322049228	2022-07-03	0.89	0.67	71	21	3.40	62.50	15.08	4.14
1314010073	2022-07-03	0.50	0.92	40	29	1.39	41.10	25.98	1.58
1314010115	2022-07-03	0.25	1.49	20	47	0.43	14.41	42.51	0.34
1314008094	2022-07-03	0.18	1.42	14	44	0.32	11.95	41.55	0.29
1314010156	2022-07-03	0.14	2.07	11	65	0.17	8.75	54.05	0.16
1314010043	2022-07-04	0.51	1.27	41	40	1.03	40.50	33.74	1.20
1318083023	2022-07-04	0.89	2.50	71	78	0.91	70.90	67.20	1.06
1318083002	2022-07-04	0.65	2.47	52	77	0.67	47.93	66.73	0.72
1314010180	2022-07-04	0.27	2.56	22	80	0.27	20.02	71.52	0.28
1314010024	2022-07-04	0.17	1.88	14	59	0.23	13.02	52.32	0.25
1318083038	2022-07-04	0.32	2.70	26	84	0.30	18.01	72.91	0.25
1318083082	2022-07-04	0.10	3.34	8	104	0.08	7.74	90.61	0.09
1322049170	2022-07-05	0.39	0.28	31	9	3.57	35.74	5.34	6.69
1322049035	2022-07-05	0.64	0.58	51	18	2.83	55.40	14.89	3.72
1322049031	2022-07-05	0.68	0.83	54	26	2.10	50.98	22.28	2.29
1322049138	2022-07-05	1.13	1.77	90	55	1.64	85.40	40.26	2.12
1322049068	2022-07-05	1.27	2.27	102	71	1.43	99.08	52.88	1.87
1322049034	2022-07-05	1.62	2.05	130	64	2.02	88.00	46.99	1.87
1314010611	2022-07-05	0.25	0.85	20	27	0.75	14.97	23.27	0.64
1322049108	2022-07-05	1.03	3.14	82	98	0.84	37.98	66.48	0.57
1322049053	2022-07-05	0.96	2.96	77	93	0.83	37.45	67.65	0.55
1322049116	2022-07-05	0.64	3.90	51	122	0.42	50.58	99.18	0.51
1318083059	2022-07-05	0.22	3.55	18	111	0.16	16.67	97.07	0.17
1314010606	2022-07-05	0.32	3.34	26	104	0.25	14.83	92.63	0.16
1318083100	2022-07-05	0.18	5.25	14	164	0.09	13.92	139.92	0.10
1322049084	2022-07-06	0.65	1.20	52	38	1.39	59.50	24.90	2.39
1314010190	2022-07-06	0.08	1.45	6	45	0.14	9.22	41.92	0.22
1433006010	2022-07-06	0.52	0.27	42	8	4.93	42.20	4.42	9.55
1322049135	2022-07-07	1.06	0.79	85	25	3.44	71.20	18.28	3.89
1433006038	2022-07-07	0.75	1.02	60	32	1.88	51.80	26.12	1.98
1322048034	2022-07-07	0.86	0.72	69	23	3.06	58.50	13.13	4.46
1322048147	2022-07-07	0.60	0.41	48	13	3.75	44.60	10.16	4.39
1322048509	2022-07-07	0.74	0.94	59	29	2.02	55.00	24.38	2.26
1433006020	2022-07-07	0.22	0.57	18	18	0.99	22.20	15.69	1.41
1322048116	2022-07-07	1.12	3.34	90	104	0.86	62.20	73.38	0.85
1322048517	2022-07-07	0.65	0.96	52	30	1.73	17.00	55.25	0.31
1322048150	2022-07-08	0.54	0.62	43	19	2.23	38.90	13.91	2.80
1432081116	2022-07-08	1.14	1.37	91	43	2.13	87.60	34.50	2.54
1322048049	2022-07-08	0.70	1.52	56	48	1.18	42.60	37.25	1.14
1322048114	2022-07-08	0.63	0.10	50	3	16.14	49.00	0.84	58.33
1322051107	2022-07-09	0.96	0.33	77	10	7.45	63.50	7.69	8.26
1322051095	2022-07-09	0.60	0.23	48	7	6.68	35.90	4.72	7.61
1322051109	2022-07-09	0.65	1.02	52	32	1.63	48.20	27.16	1.77
1322048076	2022-07-09	0.49	1.87	39	58	0.67	38.20	54.71	0.70
1322051078	2022-07-10	1.09	0.28	87	9	9.97	71.70	4.84	14.81
1322051020	2022-07-10	0.39	0.21	31	7	4.76	32.90	3.72	8.84
1322051064	2022-07-10	0.51	0.15	41	5	8.71	33.80	2.94	11.50
1322050428	2022-07-10	0.62	0.26	50	8	6.11	43.10	4.58	9.41
1322050090	2022-07-10	0.46	0.31	37	10	3.80	40.60	5.49	7.40
1322050418	2022-07-10	0.56	0.48	45	15	2.99	38.30	11.44	3.35
1322048068	2022-07-12	0.64	1.56	51	49	1.05	47.10	32.61	1.44
1314010089	2022-07-12	0.17	1.17	14	37	0.37	20.70	28.55	0.73
1314012827	2022-07-12	0.13	3.13	10	98	0.11	12.73	86.23	0.15
1323070124	2022-07-12	0.79	0.32	63	10	6.33	60.20	0.00	-
1323069069	2022-07-12	0.76	0.36	61	11	5.41	59.22	9.02	6.57
1323069175	2022-07-12	0.72	0.87	58	27	2.12	51.33	15.23	3.37
1431007261	2022-07-12	0.90	1.42	72	44	1.62	61.15	39.95	1.53
1431007212	2022-07-12	1.01	1.83	81	57	1.41	59.00	46.70	1.26
1431007150	2022-07-12	0.78	1.96	62	61	1.02	65.71	53.91	1.22
1314007085	2022-07-15	0.29	2.64	23	83	0.28	21.10	73.42	0.29
1314007001	2022-07-15	0.21	1.25	17	39	0.43	9.57	35.83	0.27
1432023077	2022-07-15	1.46	1.08	117	34	3.46	90.90	28.67	3.17
1432023145	2022-07-15	0.74	1.58	59	49	1.20	56.90	39.75	1.43
1318089205	2022-07-16	0.85	2.25	68	70	0.97	63.70	61.17	1.04
1321071029	2022-07-16	0.51	1.15	41	36	1.14	27.80	31.05	0.90
1321071014	2022-07-16	0.53	0.06	42	2	22.63	42.70	0.00	-
1321071251	2022-07-16	0.93	1.26	74	39	1.89	38.20	36.67	1.04
1318089052	2022-07-16	0.87	2.15	70	67	1.04	59.40	58.95	1.01
1318089010	2022-07-16	0.93	2.68	74	84	0.89	50.50	66.23	0.76
1314007032	2022-07-16	0.32	1.21	26	38	0.68	19.60	32.14	0.61
1321071202	2022-07-16	0.56	2.45	45	77	0.59	38.30	63.82	0.60
1321071115	2022-07-17	0.49	0.35	39	11	3.59	34.20	8.08	4.23
1321071091	2022-07-17	0.62	1.14	50	36	1.39	51.10	31.69	1.61
1321071226	2022-07-17	0.39	1.25	31	39	0.80	30.20	26.50	1.14
1321072277	2022-07-17	0.17	0.97	14	30	0.45	7.68	22.93	0.33
1321071163	2022-07-17	0.28	2.46	22	77	0.29	21.90	67.40	0.32
1321072203	2022-07-17	0.13	0.61	10	19	0.55	4.47	15.47	0.29
1321072310	2022-07-17	0.50	0.30	40	9	4.27	36.20	7.14	5.07
1321074074	2022-07-19	0.43	0.05	34	2	22.03	37.80	0.00	-
1321071101	2022-07-19	0.87	0.79	70	25	2.82	118.00	16.73	7.05
1321071110	2022-07-19	0.71	1.10	57	34	1.65	34.60	35.53	0.97
1321074061	2022-07-19	0.57	0.79	46	25	1.85	40.60	15.49	2.62
1321074003	2022-07-19	0.31	0.56	25	18	1.42	25.00	15.08	1.66
1321074001	2022-07-20	0.38	0.98	30	31	0.99	34.00	24.97	1.36
1321074132	2022-07-20	0.57	1.31	46	41	1.11	42.50	33.03	1.29
1321074049	2022-07-20	0.50	0.11	40	3	11.65	48.90	1.03	47.48
1431012442	2022-07-20	0.99	1.33	79	42	1.91	85.90	33.78	2.54
1431012329	2022-07-21	0.58	0.97	46	30	1.53	37.40	26.46	1.41
1321071211	2022-07-21	0.63	1.24	50	39	1.30	46.10	33.90	1.36
1321074162	2022-07-21	0.71	2.33	57	73	0.78	57.70	62.57	0.92
1318089020	2022-07-21	0.44	2.65	35	83	0.43	13.50	72.66	0.19
1314012233	2022-07-21	0.11	2.16	9	68	0.13	9.91	61.91	0.16
1321074175	2022-07-21	0.68	0.23	54	7	7.57	49.60	2.09	23.73
1321074125	2022-07-21	0.45	0.22	36	7	5.24	41.80	3.92	10.66
1431012362	2022-07-21	0.47	0.82	38	26	1.47	38.40	21.31	1.80
1321074085	2022-07-22	0.37	0.22	30	7	4.31	34.90	2.70	12.93
1431012418	2022-07-22	0.55	0.56	44	18	2.52	49.00	13.31	3.68

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
1321074084	2022-07-22	0.56	0.42	45	13	3.42	43.20	10.07	4.29
1431012322	2022-07-22	1.14	0.90	91	28	3.25	87.40	23.76	3.68
1321075151	2022-07-22	0.79	1.03	63	32	1.97	18.70	21.30	0.88
1431012566	2022-07-22	0.36	1.79	29	56	0.52	28.10	50.46	0.56
1321075123	2022-07-23	0.46	0.90	37	28	1.31	37.70	22.55	1.67
1431012570	2022-07-23	0.28	0.70	22	22	1.02	23.50	17.63	1.33
1432021054	2022-07-25	0.37	1.48	30	46	0.64	17.00	42.10	0.40
1432021090	2022-07-25	0.95	5.85	76	183	0.42	62.50	165.12	0.38
1321075401	2022-07-27	1.05	1.61	84	50	1.67	84.63	45.03	1.88
1321073245	2022-07-27	0.75	1.49	60	47	1.29	58.40	36.00	1.62
1321073304	2022-07-27	0.34	1.33	27	42	0.65	30.46	39.29	0.78
1321079122	2022-07-27	0.45	0.48	36	15	2.40	38.98	9.28	4.20
1321073288	2022-07-27	0.70	1.12	56	35	1.60	49.07	32.37	1.52
1321073429	2022-07-27	0.64	1.35	51	42	1.21	50.51	36.91	1.37
1321073232	2022-07-27	0.54	1.33	43	42	1.04	35.44	35.75	0.99
1321073444	2022-07-28	0.68	1.63	54	51	1.07	53.10	47.87	1.11
1321074114	2022-07-29	0.24	0.20	19	6	3.07	26.10	3.62	7.21
1321078109	2022-08-01	0.87	0.12	70	4	18.57	60.00	0.34	176.47
1321081120	2022-08-01	1.40	2.56	112	80	1.40	92.20	56.78	1.62
1321078135	2022-08-01	0.96	0.44	77	14	5.59	65.60	11.47	5.72
1321080044	2022-08-01	3.39	1.13	271	35	7.69	144.00	26.15	5.51
1321078064	2022-08-01	0.64	0.44	51	14	3.73	50.10	10.31	4.86
1321081081	2022-08-01	1.21	1.25	97	39	2.48	71.80	27.16	2.64
1321081001	2022-08-02	1.61	1.64	129	51	2.52	96.20	37.57	2.56
1321081079	2022-08-02	1.43	3.55	114	111	1.03	67.30	82.76	0.81
1321080106	2022-08-02	0.66	0.66	53	21	2.56	49.10	15.99	3.07
1321080730	2022-08-02	0.81	0.54	65	17	3.84	56.90	12.90	4.41
1321079119	2022-08-03	0.38	1.99	30	62	0.49	36.50	53.41	0.68
1321081020	2022-08-04	0.94	1.63	75	51	1.48	69.20	40.98	1.69
1321081041	2022-08-04	1.07	3.65	86	114	0.75	75.70	95.03	0.80
1313003070	2022-08-04	0.21	0.47	17	15	1.14	12.50	11.14	1.12
1313003009	2022-08-04	0.19	0.77	15	24	0.63	8.99	19.70	0.46
1313003037	2022-08-05	0.18	0.73	14	23	0.63	13.90	20.71	0.67
1313003193	2022-08-05	0.28	0.75	22	23	0.96	22.70	20.42	1.11
1313005138	2022-08-05	0.16	0.36	13	11	1.14	13.20	9.97	1.32
1313003047	2022-08-05	0.37	0.74	30	23	1.28	25.40	20.86	1.22
1313003073	2022-08-05	0.20	0.81	16	25	0.63	12.50	20.78	0.60
1313005163	2022-08-05	0.09	0.75	7	23	0.31	11.20	20.05	0.56
1313002001	2022-08-05	0.15	1.69	12	53	0.23	9.25	41.80	0.22
1313003183	2022-08-05	0.19	0.49	15	15	0.99	17.20	13.02	1.32
1313003127	2022-08-05	0.18	0.87	14	27	0.53	15.70	24.41	0.64
1313006005	2022-08-06	0.17	4.23	14	132	0.10	8.23	113.19	0.07
1313006335	2022-08-06	0.22	0.74	18	23	0.76	14.90	20.70	0.72
1313003083	2022-08-06	0.22	1.61	18	50	0.35	15.20	44.48	0.34
1313006009	2022-08-06	0.12	2.03	10	63	0.15	7.72	59.91	0.13
1313009418	2022-08-06	0.50	1.26	40	39	1.02	38.70	33.82	1.14
1320058179	2022-08-06	0.34	1.28	27	40	0.68	9.49	34.01	0.28
1320058056	2022-08-06	0.33	0.29	26	9	2.92	33.20	4.15	8.00
1320058061	2022-08-06	0.40	1.04	32	33	0.99	35.20	26.56	1.33
1320058074	2022-08-06	0.45	0.72	36	23	1.60	35.00	19.19	1.82
1320058079	2022-08-06	0.48	0.62	38	19	1.98	42.20	14.43	2.92
1320058168	2022-08-07	0.29	0.85	23	27	0.87	21.90	22.49	0.97
1313009432	2022-08-07	0.12	0.99	10	31	0.31	3.74	25.93	0.14
1432080073	2022-08-07	0.95	0.87	76	27	2.80	66.50	24.44	2.72
1432080097	2022-08-07	1.22	1.09	98	34	2.87	85.30	29.38	2.90
1432080143	2022-08-07	1.17	0.74	94	23	4.05	74.40	17.94	4.15
1432080198	2022-08-07	1.27	2.09	102	65	1.56	96.20	51.88	1.85
1320054004	2022-08-07	1.02	1.52	82	48	1.72	67.90	39.89	1.70
1320058155	2022-08-07	0.22	1.64	18	51	0.34	17.20	42.45	0.41
1320058205	2022-08-07	0.63	1.53	50	48	1.05	50.00	42.75	1.17
1320054221	2022-08-07	0.59	0.08	47	3	18.90	41.10	0.15	274.00
1320058188	2022-08-07	0.62	1.61	50	50	0.99	42.70	45.47	0.94
1320054200	2022-08-07	0.35	0.27	28	8	3.32	44.00	5.02	8.76
1313004053	2022-08-08	0.15	2.04	12	64	0.19	10.20	56.00	0.18
1320058045	2022-08-08	0.48	0.58	38	18	2.12	33.90	14.43	2.35
1432080039	2022-08-08	0.85	0.96	68	30	2.27	59.50	25.70	2.32
1432080060	2022-08-08	1.05	1.50	84	47	1.79	68.50	35.46	1.93
1432080088	2022-08-08	1.04	1.64	83	51	1.62	72.40	42.83	1.69
1432080125	2022-08-08	0.80	2.24	64	70	0.92	57.30	60.18	0.95
1320054011	2022-08-08	0.61	1.13	49	35	1.38	41.70	32.58	1.28
1320054170	2022-08-08	0.33	0.32	26	10	2.64	26.50	8.84	3.00
1320054095	2022-08-09	0.88	1.25	70	39	1.80	67.60	32.70	2.07
1320054193	2022-08-09	0.33	1.46	26	46	0.58	24.50	42.72	0.57
1320054224	2022-08-09	0.74	1.70	59	53	1.12	60.60	35.07	1.73
1313007328	2022-08-09	0.14	1.96	11	61	0.18	12.80	53.15	0.24
1313007340	2022-08-09	0.16	0.08	13	3	5.12	10.60	0.15	70.67
1320054032	2022-08-09	1.18	1.63	94	51	1.85	71.00	43.49	1.63
1320054057	2022-08-09	1.06	2.12	85	66	1.28	71.80	60.55	1.19
1313004032	2022-08-10	0.18	1.87	14	58	0.25	5.98	55.75	0.11
1313007313	2022-08-10	0.23	3.28	18	103	0.18	15.60	91.13	0.17
1320054040	2022-08-10	0.57	1.21	46	38	1.21	40.50	33.45	1.21
1320056417	2022-08-10	0.06	0.22	5	7	0.70	12.60	3.70	3.41
1320056001	2022-08-13	0.61	1.03	49	32	1.52	45.70	29.04	1.57
1320056816	2022-08-13	0.71	2.06	57	64	0.88	49.60	57.23	0.87
1320056631	2022-08-13	0.08	0.18	6	6	1.14	5.00	5.96	0.84
1320056090	2022-08-13	0.13	0.92	10	29	0.36	8.71	24.19	0.36
1313009055	2022-08-13	0.20	1.44	16	45	0.36	7.50	41.63	0.18
1320056719	2022-08-14	0.54	0.95	43	30	1.46	35.60	26.38	1.35
1320056772	2022-08-14	0.30	0.73	24	23	1.05	20.40	19.35	1.05
1320056168	2022-08-14	0.46	1.41	37	44	0.84	38.50	39.16	0.98
1320056673	2022-08-14	0.25	0.62	20	19	1.03	14.70	16.96	0.87
1320056793	2022-08-14	0.42	1.43	34	45	0.75	33.70	38.96	0.86
1313009001	2022-08-14	0.33	1.86	26	58	0.45	21.40	48.46	0.44
1313009079	2022-08-14	0.52	3.18	42	99	0.42	39.60	91.03	0.44
1313009041	2022-08-14	0.22	1.50	18	47	0.38	10.90	39.85	0.27
1313009014	2022-08-14	0.19	1.41	15	44	0.35	10.70	40.88	0.26
1313007017	2022-08-14	0.20	2.25	16	70	0.23	9.71	58.16	0.17
1313009059	2022-08-14	0.11	1.99	9	62	0.14	6.72	52.72	0.13
1313007126	2022-08-15	0.18	0.08	14	3	5.76	16.70	1.36	12.28
1320056647	2022-08-15	0.74	1.42	59	44	1.34	46.20	39.16	1.18
1313007034	2022-08-15	0.21	1.66	17	52	0.32	17.20	48.04	0.36
1313007161	2022-08-15	0.19	2.85	15	89	0.17	11.70	71.53	0.16
1320056699	2022-08-16	0.91	1.87	73	58	1.25	57.30	52.14	1.10
1320056745	2022-08-16	0.79	2.01	63	63	1.01	48.60	51.41	0.95
1320055077	2022-08-16	0.26	2.44	21	76	0.27	15.50	56.01	0.28
1320057314	2022-08-16	0.47	0.49	38	15	2.46	43.70	14.39	3.04

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
1320057027	2022-08-17	0.50	1.22	40	38	1.05	38.70	35.13	1.10
1320057144	2022-08-17	0.32	0.44	26	14	1.86	24.10	12.23	1.97
1320057354	2022-08-17	0.65	0.98	52	31	1.70	53.60	24.27	2.21
1320057050	2022-08-17	0.27	0.11	22	3	6.29	25.60	1.35	18.96
1313007082	2022-08-17	0.17	0.16	14	5	2.72	8.46	5.13	1.65
1320055009	2022-08-17	0.35	1.04	28	33	0.86	19.90	29.97	0.66
1320055132	2022-08-17	0.60	2.14	48	67	0.72	40.10	60.48	0.66
1320057112	2022-08-17	0.45	1.61	36	50	0.72	23.50	48.29	0.49
1313007059	2022-08-17	0.15	2.23	12	70	0.17	8.72	66.73	0.13
1313008605	2022-08-17	0.27	1.65	22	52	0.42	13.20	47.57	0.28
1313008625	2022-08-17	0.25	1.49	20	47	0.43	17.60	46.89	0.38
1313008621	2022-08-17	0.12	3.19	10	100	0.10	11.50	89.48	0.13
1313008128	2022-08-17	0.22	1.13	18	35	0.50	12.70	32.49	0.39
1320055055	2022-08-18	0.64	1.34	51	42	1.22	37.40	36.26	1.03
1313007416	2022-08-18	0.22	2.43	18	76	0.23	10.50	69.41	0.15
1313008166	2022-08-18	0.39	1.14	31	36	0.88	41.80	32.78	1.28
1313008220	2022-08-18	0.28	1.52	22	48	0.47	13.00	45.42	0.29
1320055123	2022-08-18	0.70	1.62	56	51	1.11	50.50	42.61	1.19
1320057169	2022-08-18	0.44	1.01	35	32	1.12	31.70	27.51	1.15
1320055043	2022-08-18	0.64	1.66	51	52	0.99	44.90	46.05	0.98
1320057209	2022-08-18	0.36	1.03	29	32	0.90	29.50	30.37	0.97
1320057158	2022-08-18	0.76	2.17	61	68	0.90	46.70	65.77	0.71
1320057001	2022-08-18	0.39	1.23	31	38	0.81	33.90	37.43	0.91
1320057003	2022-08-19	0.64	1.42	51	44	1.15	47.20	40.07	1.18
1320057025	2022-08-19	0.24	1.23	19	38	0.50	20.00	35.34	0.57
1320057182	2022-08-19	0.66	3.79	53	118	0.45	49.10	94.56	0.52
1320059066	2022-08-21	0.81	1.67	65	52	1.24	56.50	44.62	1.27
1313008094	2022-08-21	0.19	1.62	15	51	0.30	10.50	45.61	0.23
1313008082	2022-08-21	0.13	4.69	10	147	0.07	10.90	133.97	0.08
1320059130	2022-08-21	0.61	0.11	49	3	14.21	35.40	0.00	-
1320059196	2022-08-21	0.61	0.54	49	17	2.89	50.70	13.31	3.81
1320059031	2022-08-21	0.80	2.41	64	75	0.85	60.30	59.87	1.01
1320059117	2022-08-21	0.88	2.06	70	64	1.09	54.60	58.26	0.94
1313008056	2022-08-21	0.13	2.03	10	63	0.16	13.90	54.05	0.26
1320059120	2022-08-22	0.58	0.52	46	16	2.86	30.20	12.15	2.49
1320059161	2022-08-22	0.62	0.15	50	5	10.59	51.10	0.00	-
1320059043	2022-08-22	1.05	3.40	84	106	0.79	74.30	40.14	1.85
1320060026	2022-08-23	0.64	0.50	51	16	3.28	47.40	11.94	3.97
1320059028	2022-08-23	0.57	0.75	46	23	1.95	49.10	18.08	2.72
1320060114	2022-08-23	0.61	0.75	49	23	2.08	47.50	19.11	2.49
1320062898	2022-08-23	0.57	0.60	46	19	2.43	41.40	13.99	2.96
1320060134	2022-08-23	0.72	0.63	58	20	2.93	56.00	16.90	3.31
1320060147	2022-08-23	0.64	0.44	51	14	3.73	50.20	10.96	4.58
1320061371	2022-08-24	0.61	0.38	49	12	4.11	32.70	9.62	3.40
1320059059	2022-08-24	1.14	1.28	91	40	2.28	85.40	27.11	3.15
1320061389	2022-08-24	0.51	0.42	41	13	3.11	32.60	11.25	2.90
1320061317	2022-08-24	0.55	0.43	44	13	3.28	36.60	10.85	3.37
1320059857	2022-08-24	0.93	0.18	74	6	13.24	68.90	1.89	36.46
1320059846	2022-08-24	0.82	0.75	66	23	2.80	62.40	19.75	3.16
1320060124	2022-08-24	0.46	1.73	37	54	0.68	41.60	41.38	1.01
1320062864	2022-08-24	0.64	0.16	51	5	10.25	50.20	1.49	33.69
1320059823	2022-08-24	1.18	1.10	94	34	2.75	89.60	29.13	3.08
1320062831	2022-08-24	0.56	0.17	45	5	8.44	42.90	0.15	286.00
1320062833	2022-08-25	0.48	0.35	38	11	3.51	39.50	7.01	5.63
1320062897	2022-08-25	0.47	0.40	38	13	3.01	35.00	8.57	4.08
1320061383	2022-08-25	0.47	0.32	38	10	3.76	32.90	8.62	3.82
1320061353	2022-08-25	0.59	0.49	47	15	3.08	41.00	11.56	3.55
1320059160	2022-08-25	0.54	0.19	43	6	7.28	46.90	1.85	25.35
1320059834	2022-08-25	0.68	0.75	54	23	2.32	54.20	21.41	2.53
1320060199	2022-08-26	0.57	0.93	46	29	1.57	48.20	24.35	1.98
1320061400	2022-08-27	0.77	0.45	62	14	4.38	48.10	10.23	4.70
1432026116	2022-08-27	0.67	1.86	54	58	0.92	38.90	48.86	0.80
1320060030	2022-08-27	1.49	0.77	119	24	4.96	89.80	17.11	5.25
1320059011	2022-08-27	0.94	0.75	75	23	3.21	68.10	19.05	3.57
1320060189	2022-08-27	0.72	1.03	58	32	1.79	56.80	25.64	2.22
1320060179	2022-08-27	0.67	1.32	54	41	1.30	49.70	34.89	1.42
1320060097	2022-08-27	0.42	1.19	34	37	0.90	33.40	26.02	1.28
1320060143	2022-08-27	0.77	2.33	62	73	0.85	53.60	57.93	0.93
1432026039	2022-08-27	0.44	1.80	35	56	0.63	30.00	48.68	0.62
1432026059	2022-08-27	0.30	1.36	24	43	0.57	20.40	36.93	0.55
1320062800	2022-08-27	0.49	0.39	39	12	3.22	38.70	7.48	5.17
1320062801	2022-08-27	0.51	0.27	41	8	4.84	39.30	4.51	8.71
1432026151	2022-08-27	0.52	2.00	42	63	0.67	38.30	52.89	0.72
1320056776	2022-08-28	0.82	1.77	66	55	1.19	59.70	44.64	1.34
1320060546	2022-08-28	0.99	2.17	79	68	1.17	63.50	48.59	1.31
1432026170	2022-08-28	0.21	1.18	17	37	0.46	15.20	39.15	0.39
1432026133	2022-08-28	0.77	1.63	62	51	1.21	47.30	41.78	1.13
1320061310	2022-08-28	0.63	0.94	50	29	1.72	43.50	22.14	1.96
1320062411	2022-08-28	0.45	0.37	36	12	3.12	35.40	8.24	4.30
1432027202	2022-08-28	0.35	1.24	28	39	0.72	30.50	34.69	0.88
1320062914	2022-08-29	0.40	0.19	32	6	5.39	49.80	6.83	7.29
1432026081	2022-08-29	0.88	1.73	70	54	1.30	63.60	48.96	1.30
1320060048	2022-08-29	0.04	0.12	3	4	0.85	49.00	45.16	1.09
1432027241	2022-08-29	0.32	2.09	26	65	0.39	26.40	55.54	0.48
1432027264	2022-08-29	1.03	1.92	82	60	1.37	133.00	52.48	2.53
1320061611	2022-08-29	0.50	0.19	40	6	6.74	34.20	3.98	8.59
1320062410	2022-08-29	0.50	0.51	40	16	2.51	38.70	12.41	3.12
1320062448	2022-08-29	0.51	0.51	41	16	2.56	42.40	12.36	3.43
1320060089	2022-08-29	0.51	0.57	41	18	2.29	41.20	13.91	2.96
1320060131	2022-08-30	0.79	1.09	63	34	1.86	81.80	31.91	2.56
1432027269	2022-08-30	0.68	1.78	54	56	0.98	46.40	51.48	0.90
1432027316	2022-08-30	0.83	1.73	66	54	1.23	36.30	47.97	0.76
1432027334	2022-08-31	0.68	1.44	54	45	1.21	44.30	40.82	1.09
1313010004	2022-09-01	0.63	3.26	50	102	0.50	45.20	92.41	0.49
1319060190	2022-09-01	0.46	2.51	37	78	0.47	31.70	65.10	0.49
1431015041	2022-09-01	0.59	1.31	47	41	1.15	45.80	40.52	1.13
1431015047	2022-09-01	0.32	1.02	26	32	0.80	23.60	31.16	0.76
1319060018	2022-09-01	0.39	1.43	31	45	0.70	24.70	40.47	0.61
1319060017	2022-09-01	0.37	1.21	30	38	0.78	22.50	37.20	0.60
1319060292	2022-09-02	0.54	1.42	43	44	0.97	43.80	32.82	1.33
1319060399	2022-09-02	0.54	0.92	43	29	1.50	41.40	24.96	1.66
1319060207	2022-09-02	0.62	2.18	50	68	0.73	40.00	58.42	0.68
1319060390	2022-09-02	0.24	2.31	19	72	0.27	21.00	60.97	0.34
1319060115	2022-09-02	0.35	1.36	28	43	0.66	23.70	39.86	0.59
1319060169	2022-09-02	0.32	1.62	26	51	0.51	25.20	45.16	0.56
1319060071	2022-09-02	0.24	1.57	19	49	0.39	16.90	41.19	0.41

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
1431015117	2022-09-02	0.88	0.68	70	21	3.32	56.70	17.22	3.29
1319060086	2022-09-02	0.26	1.24	21	39	0.54	21.20	36.82	0.58
1319060315	2022-09-02	0.33	0.97	26	30	0.87	23.20	26.70	0.87
1319060236	2022-09-02	0.47	2.26	38	71	0.53	29.70	64.22	0.46
1431015079	2022-09-03	1.20	0.66	96	21	4.66	79.30	14.76	5.37
1313010008	2022-09-03	0.72	1.66	58	52	1.11	57.00	49.29	1.16
1319060329	2022-09-03	0.59	2.91	47	91	0.52	48.30	73.98	0.65
1319060200	2022-09-03	0.38	2.10	30	66	0.46	31.20	62.54	0.50
1313010026	2022-09-03	0.19	1.39	15	43	0.35	16.50	38.50	0.43
1319060338	2022-09-03	0.16	3.08	13	96	0.13	8.73	83.44	0.10
1319060030	2022-09-03	0.19	0.73	15	23	0.67	19.50	19.67	0.99
1319060078	2022-09-03	0.95	1.75	76	55	1.39	60.00	51.60	1.16
1319060148	2022-09-03	0.39	1.94	31	61	0.52	29.20	53.27	0.55
1319060173	2022-09-03	0.59	2.36	47	74	0.64	42.90	66.34	0.65
1319060077	2022-09-03	1.23	1.69	98	53	1.86	80.20	49.94	1.61
1431014025	2022-09-03	0.29	1.22	23	38	0.61	15.70	33.49	0.47
1431014079	2022-09-04	0.49	4.25	39	133	0.30	25.60	112.47	0.23
1431014124	2022-09-04	1.24	2.75	99	86	1.16	84.10	80.22	1.05
1317021073	2022-09-04	0.20	1.82	16	57	0.28	20.70	53.69	0.39
1317021038	2022-09-04	0.36	4.24	29	133	0.22	27.40	112.71	0.24
1317021023	2022-09-04	0.20	2.10	16	66	0.24	13.70	63.23	0.22
1431014033	2022-09-04	0.20	3.44	16	108	0.15	14.50	101.91	0.14
1431014108	2022-09-04	0.20	0.92	16	29	0.56	12.40	25.94	0.48
1431014146	2022-09-04	1.13	2.50	90	78	1.16	76.80	65.33	1.18
1319062450	2022-09-04	0.14	0.18	11	6	1.99	23.20	2.61	8.89
1431014114	2022-09-04	0.92	3.34	74	104	0.71	64.90	91.39	0.71
1431014086	2022-09-04	0.69	2.21	55	69	0.80	41.60	61.93	0.67
1319061303	2022-09-04	0.24	2.09	19	65	0.29	19.90	59.74	0.33
1319061317	2022-09-04	0.10	0.41	8	13	0.62	10.50	9.97	1.05
1319062417	2022-09-05	0.86	1.99	69	62	1.11	63.80	56.17	1.14
1319062433	2022-09-05	0.53	1.27	42	40	1.07	45.30	44.74	1.01
1317022025	2022-09-06	0.10	0.04	8	1	6.41	18.60	61.08	0.30
1317022123	2022-09-06	0.43	1.75	34	55	0.63	29.70	53.74	0.55
1317022077	2022-09-06	0.43	1.60	34	50	0.69	49.60	49.06	1.01
1319062048	2022-09-06	0.93	1.81	74	57	1.32	38.10	59.29	0.64
1317022026	2022-09-06	0.24	1.90	19	59	0.32	14.20	58.66	0.24
1319062073	2022-09-06	0.35	1.62	28	51	0.55	23.20	51.99	0.45
1319061016	2022-09-06	0.35	0.59	28	18	1.52	26.10	16.10	1.62
1319061041	2022-09-07	0.44	0.44	35	14	2.56	27.90	10.71	2.61
1319062043	2022-09-07	0.63	1.34	50	42	1.20	40.20	38.78	1.04
1317022029	2022-09-07	0.37	2.20	30	69	0.43	27.60	56.79	0.49
1317022089	2022-09-07	0.60	1.90	48	59	0.81	41.30	53.22	0.78
1431016340	2022-09-07	0.68	1.67	54	52	1.04	49.20	47.62	1.03
1317022197	2022-09-07	0.65	2.07	52	65	0.80	46.30	55.71	0.83
1320059128	2022-09-08	0.42	0.14	34	4	7.69	22.30	2.63	8.48
1319061098	2022-09-08	0.07	0.38	6	12	0.47	17.70	7.42	2.39
1317022064	2022-09-08	0.99	1.88	79	59	1.35	71.10	51.02	1.39
1431016425	2022-09-08	0.70	0.77	56	24	2.33	53.50	20.04	2.67
1431016002	2022-09-08	0.62	0.80	50	25	1.99	59.50	22.75	2.62
1431016039	2022-09-08	1.26	0.96	101	30	3.36	79.10	26.69	2.96
1317022013	2022-09-09	0.67	1.78	54	56	0.96	50.80	48.94	1.04
1431016027	2022-09-09	1.05	2.23	84	70	1.21	80.60	60.45	1.33
1431016097	2022-09-09	0.71	1.21	57	38	1.50	51.20	34.51	1.48
1431016137	2022-09-09	1.05	2.33	84	73	1.15	54.10	62.87	0.86
1431016157	2022-09-09	0.50	1.31	40	41	0.98	35.20	34.89	1.01
1431017035	2022-09-10	0.29	1.34	23	42	0.55	11.50	36.95	0.31
1317022184	2022-09-10	0.66	1.87	53	58	0.90	54.10	50.74	1.07
1317022156	2022-09-10	0.67	1.97	54	62	0.87	53.90	53.78	1.00
1431017033	2022-09-10	0.10	1.58	8	49	0.16	9.49	47.68	0.20
1431017077	2022-09-10	0.22	2.42	18	76	0.23	6.99	65.06	0.11
1319063137	2022-09-10	0.37	1.24	30	39	0.76	43.60	34.00	1.28
1319063136	2022-09-10	0.27	1.04	22	33	0.67	21.90	28.63	0.76
1319063100	2022-09-11	0.56	1.89	45	59	0.76	47.30	55.28	0.86
1319063113	2022-09-11	0.43	0.16	34	5	6.89	37.00	2.30	16.09
1319063082	2022-09-11	0.73	1.39	58	43	1.35	56.30	41.31	1.36
1319063405	2022-09-11	0.53	1.02	42	32	1.33	42.60	29.61	1.44
1319063084	2022-09-12	0.65	1.34	52	42	1.24	50.60	39.99	1.27
1319063187	2022-09-12	0.38	1.64	30	51	0.59	40.60	44.77	0.91
1317023001	2022-09-12	0.21	2.33	17	73	0.23	16.90	67.35	0.25
1319064423	2022-09-12	0.26	1.13	21	35	0.59	25.00	34.33	0.73
1317023037	2022-09-12	0.09	1.20	7	38	0.19	11.00	32.23	0.34
1319063189	2022-09-12	0.49	0.87	39	27	1.44	38.40	21.94	1.75
1319063228	2022-09-12	0.45	0.38	36	12	3.03	36.20	8.53	4.24
1319063419	2022-09-12	0.81	2.54	65	79	0.82	54.80	64.69	0.85
1317023009	2022-09-13	0.56	2.03	45	63	0.71	35.00	58.19	0.60
1317023063	2022-09-13	0.15	1.49	12	47	0.26	15.20	40.26	0.38
1319064462	2022-09-13	0.33	1.09	26	34	0.78	24.20	28.61	0.85
1317023087	2022-09-13	0.10	1.54	8	48	0.17	7.11	43.83	0.16
1317023112	2022-09-13	0.25	1.27	20	40	0.50	8.73	32.94	0.27
1319064109	2022-09-13	0.67	2.07	54	65	0.83	33.00	47.47	0.70
1319064071	2022-09-14	0.26	2.08	21	65	0.32	13.20	49.88	0.26
1317023146	2022-09-14	0.44	1.91	35	60	0.59	40.10	51.62	0.78
1317023131	2022-09-14	0.34	1.98	27	62	0.44	28.90	51.63	0.56
1319064408	2022-09-14	0.47	1.40	38	44	0.86	34.10	35.89	0.95
1319064451	2022-09-14	0.54	1.72	43	54	0.80	41.40	49.56	0.84
1319064449	2022-09-14	0.48	1.49	38	47	0.83	33.70	40.76	0.83
1319064031	2022-09-14	0.17	2.13	14	67	0.20	9.23	52.98	0.17
1319064150	2022-09-15	0.46	1.27	37	40	0.93	39.90	33.76	1.18
1319064003	2022-09-15	0.31	1.48	25	46	0.54	23.40	41.55	0.56
1319064022	2022-09-15	0.28	1.43	22	45	0.50	21.00	35.28	0.60
1319064064	2022-09-15	0.21	1.86	17	58	0.29	8.19	47.92	0.17
1319067604	2022-09-16	0.70	1.52	56	48	1.18	49.80	42.74	1.17
1319067694	2022-09-16	0.46	0.81	37	25	1.45	39.10	20.82	1.88
1319067803	2022-09-16	0.39	1.14	31	36	0.88	33.10	31.14	1.06
1319067815	2022-09-16	0.60	1.22	48	38	1.26	44.30	34.70	1.28
1319067808	2022-09-16	0.45	1.49	36	47	0.77	39.60	36.55	1.08
1319067822	2022-09-16	0.63	0.80	50	25	2.02	46.40	31.13	1.49
1319067625	2022-09-16	0.35	0.89	28	28	1.01	32.10	21.67	1.48
1319067629	2022-09-16	1.19	0.60	95	19	5.08	100.00	10.30	9.71
1319068923	2022-09-17	0.24	0.56	19	18	1.10	29.20	13.96	2.09
1319068955	2022-09-18	0.70	1.36	56	43	1.32	53.00	35.49	1.49
1431016205	2022-09-20	0.58	1.83	46	57	0.81	44.90	45.20	0.99
1431016331	2022-09-20	0.96	4.28	77	134	0.57	71.00	111.69	0.64
1432019029	2022-09-22	0.44	5.40	35	169	0.21	11.20	178.03	0.06
1432019069	2022-09-22	1.57	1.48	126	46	2.72	86.10	41.99	2.05
1432019150	2022-09-22	0.62	2.43	50	76	0.65	26.90	57.60	0.47

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
1432019161	2022-09-22	1.39	5.15	111	161	0.69	92.70	133.65	0.69
1432019211	2022-09-22	1.76	3.84	141	120	1.17	114.00	98.89	1.15
1432019349	2022-09-22	2.89	8.10	231	253	0.91	114.00	158.51	0.72
1432019182	2022-09-22	1.65	1.12	132	35	3.77	143.00	33.66	4.25
1432019201	2022-09-23	1.16	1.65	93	52	1.80	77.20	45.74	1.69
1432019289	2022-09-23	1.10	1.49	88	47	1.89	73.50	38.22	1.92
1432019282	2022-09-23	1.57	6.74	126	211	0.60	102.00	145.25	0.70
1432019302	2022-09-23	1.83	3.93	147	123	1.19	90.90	92.56	0.98
1432019125	2022-09-24	0.53	1.91	42	60	0.71	18.70	51.55	0.36
1432019234	2022-09-24	1.53	6.01	122	188	0.65	89.70	151.26	0.59
1432019046	2022-09-24	1.53	3.24	122	101	1.21	91.50	84.31	1.09
1319065100	2022-09-24	0.58	0.65	46	20	2.29	44.40	17.80	2.49
1319065009	2022-09-24	0.67	0.45	54	14	3.81	46.10	10.55	4.37
1319065361	2022-09-25	0.64	0.34	51	11	4.82	43.80	6.75	6.49
1319065169	2022-09-25	0.93	0.18	74	6	13.24	67.50	0.15	450.00
1319071045	2022-09-25	0.81	1.98	65	62	1.05	48.60	47.57	1.02
1319065030	2022-09-26	0.44	0.65	35	20	1.73	31.40	16.38	1.92
1319065051	2022-09-26	0.62	0.84	50	26	1.89	42.10	18.68	2.25
1319071054	2022-09-26	1.12	1.53	90	48	1.88	75.20	41.29	1.82
1319065310	2022-09-26	0.51	0.34	41	11	3.84	49.10	8.29	5.92
1319065328	2022-09-26	0.65	0.85	52	27	1.96	42.40	18.73	2.26
1319065370	2022-09-26	0.78	0.29	62	9	6.89	55.30	6.00	9.22
1319065349	2022-09-26	0.52	0.79	42	25	1.69	38.50	19.09	2.02
1319065066	2022-09-27	0.54	0.23	43	7	6.02	41.40	3.60	11.50
1319069017	2022-09-27	0.44	0.53	35	17	2.13	36.50	11.52	3.17
1319070189	2022-09-27	0.75	0.86	60	27	2.23	54.90	19.61	2.80
1319066013	2022-09-28	2.07	0.65	166	20	8.16	111.00	9.72	11.42
1319066056	2022-09-28	0.59	0.38	47	12	3.98	45.40	7.70	5.90
1319066331	2022-09-28	0.73	2.09	58	65	0.89	55.80	44.10	1.27
1319066070	2022-09-28	0.74	0.41	59	13	4.62	45.00	8.56	5.26
1319066342	2022-09-28	1.58	1.74	127	54	2.33	126.00	37.97	3.32
1319070188	2022-09-28	0.98	0.88	78	28	2.85	74.70	20.43	3.66
1319070518	2022-09-28	0.77	1.53	62	48	1.29	67.20	34.10	1.97
1319066110	2022-09-29	0.66	0.39	53	12	4.34	55.10	9.46	5.82
1319070108	2022-09-29	0.53	0.37	42	12	3.67	40.50	7.18	5.64
1319070113	2022-09-29	0.60	2.27	48	71	0.68	51.00	56.76	0.90
1319066091	2022-09-29	0.71	0.12	57	4	15.16	63.00	0.15	420.00
1319066084	2022-09-29	0.72	0.66	58	21	2.79	50.80	13.97	3.64
1319070095	2022-09-29	0.69	1.21	55	38	1.46	53.40	32.55	1.64
1319070043	2022-09-29	0.58	0.24	46	8	6.19	46.90	4.02	11.67
1312002039	2022-09-29	0.01	0.01	1		5.12	9.48	72.99	0.13
1319066094	2022-09-29	0.63	0.38	50	12	4.25	47.10	7.87	5.98
1318013074	2022-10-28	0.66	2.79	53	87	0.61	50.70	84.00	0.60
1318013076	2022-10-28	0.38	2.18	30	68	0.45	26.20	67.27	0.39
1431024011	2022-10-31	1.32	1.50	106	47	2.25	84.70	41.81	2.03
1431024017	2022-10-31	1.35	2.35	108	73	1.47	85.40	48.30	1.77
1431024008	2022-10-31	0.90	1.46	72	46	1.58	72.10	43.12	1.67
1318011038	2022-10-31	0.62	1.00	50	31	1.59	44.70	27.56	1.62
1431027029	2022-10-31	0.54	0.87	43	27	1.59	41.80	26.02	1.61
1431027170	2022-10-31	1.08	1.63	86	51	1.70	74.20	46.92	1.58
1318011020	2022-10-31	0.55	1.00	44	31	1.41	42.20	28.94	1.46
1431027104	2022-10-31	0.76	2.02	61	63	0.96	48.90	34.78	1.41
1318011007	2022-10-31	0.42	1.19	34	37	0.90	33.10	24.15	1.37
1431024042	2022-10-31	0.89	1.87	71	58	1.22	67.40	50.55	1.33
1318011040	2022-10-31	0.52	1.01	42	32	1.32	39.40	32.59	1.21
1431024502	2022-10-31	1.12	2.57	90	80	1.12	75.90	77.07	0.98
1431024175	2022-10-31	1.22	2.81	98	88	1.11	78.60	80.36	0.98
1431027167	2022-10-31	0.88	2.12	70	66	1.06	63.70	65.29	0.98
1431027235	2022-10-31	0.41	0.94	33	29	1.12	20.90	26.00	0.80
1318011243	2022-10-31	0.54	1.52	43	48	0.91	31.00	46.82	0.66
1431024101	2022-10-31	1.62	3.55	130	111	1.17	67.20	103.99	0.65
1431027015	2022-10-31	0.71	1.38	57	43	1.32	45.00	70.83	0.64
1431024153	2022-10-31	0.71	2.36	57	74	0.77	43.00	70.42	0.61
1431027050	2022-10-31	0.30	0.96	24	30	0.80	16.20	26.60	0.61
1431024121	2022-10-31	1.09	6.08	87	190	0.46	79.20	172.65	0.46
1431027030	2022-10-31	0.25	1.26	20	39	0.51	13.90	37.58	0.37
1431027026	2022-10-31	0.17	1.21	14	38	0.36	12.20	37.07	0.33
1431024140	2022-10-31	1.03	5.02	82	157	0.53	20.00	143.38	0.14
1318010096	2022-11-02	0.56	0.89	45	28	1.61	46.30	24.75	1.87
1318010005	2022-11-02	0.45	0.66	36	21	1.75	29.60	17.47	1.69
1318010010	2022-11-02	0.52	0.88	42	28	1.51	37.70	24.52	1.54
1318010301	2022-11-02	0.23	1.10	18	34	0.54	21.70	28.62	0.76
1318010017	2022-11-02	0.25	1.06	20	33	0.60	14.50	28.19	0.51
1318010075	2022-11-02	0.29	2.29	23	72	0.32	13.70	66.70	0.21
1431028014	2022-11-04	0.52	1.14	42	36	1.17	31.20	33.36	0.94
1312007817	2022-11-05	0.18	1.24	14	39	0.37	11.70	34.46	0.34
1318008011	2022-11-06	0.89	0.16	71	5	14.25	64.20	2.75	23.35
1431025639	2022-11-06	1.10	0.43	88	13	6.55	76.40	10.04	7.61
1318008049	2022-11-06	0.79	0.44	63	14	4.60	58.70	9.23	6.36
1318008045	2022-11-06	0.74	0.44	59	14	4.31	52.90	9.77	5.41
1431025415	2022-11-06	1.10	1.31	88	41	2.15	78.40	31.54	2.49
1431024803	2022-11-06	0.81	0.99	65	31	2.10	60.30	24.82	2.43
1312006038	2022-11-06	0.20	0.39	16	12	1.31	16.50	10.55	1.56
1431025601	2022-11-06	0.81	1.60	65	50	1.30	60.50	43.15	1.40
1431025795	2022-11-06	0.52	1.27	42	40	1.05	41.60	36.53	1.14
1431025648	2022-11-06	0.75	2.02	60	63	0.95	51.90	49.84	1.04
1431025630	2022-11-06	0.67	2.14	54	67	0.80	41.10	51.35	0.80
1318008021	2022-11-06	0.47	2.11	38	66	0.57	40.40	51.66	0.78
1431025715	2022-11-06	0.37	1.39	30	43	0.68	26.70	36.91	0.72
1431025681	2022-11-06	0.40	1.37	32	43	0.75	33.90	48.16	0.70
1431024820	2022-11-06	0.64	3.55	51	111	0.46	55.10	98.95	0.56
1312006605	2022-11-06	0.17	1.16	14	36	0.38	8.99	29.66	0.30
1312006308	2022-11-06	0.14	1.10	11	34	0.33	7.47	28.90	0.26
1312006610	2022-11-06	0.17	2.01	14	63	0.22	12.20	50.37	0.24
1318016672	2022-11-07	0.43	0.68	34	21	1.62	25.20	19.91	1.27
1318014037	2022-11-09	1.17	1.50	94	47	2.00	83.60	41.30	2.02
1318014061	2022-11-09	0.89	1.73	71	54	1.32	68.30	52.29	1.31
1317026100	2022-11-09	0.84	1.85	67	58	1.16	49.10	48.98	1.00
1317026135	2022-11-09	0.63	2.19	50	68	0.74	41.40	59.93	0.69
1317026123	2022-11-09	0.41	2.08	33	65	0.51	21.50	51.29	0.42
1317026074	2022-11-09	0.44	2.55	35	80	0.44	20.90	70.25	0.30
1317026126	2022-11-09	0.18	2.12	14	66	0.22	16.20	57.85	0.28
1317026082	2022-11-09	0.17	3.01	14	94	0.14	13.70	83.61	0.16
1431026010	2022-11-11	0.54	1.31	43	41	1.06	61.60	37.18	1.66
1317028306	2022-11-11	0.45	1.50	36	47	0.77	33.70	40.64	0.83
1317028380	2022-11-11	0.48	1.42	38	44	0.87	30.70	37.73	0.81

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
1431026048	2022-11-11	0.32	1.88	26	59	0.44	24.20	59.59	0.41
1431026011	2022-11-11	0.20	2.29	16	72	0.22	6.98	64.34	0.11
1317028391	2022-11-11	0.13	2.56	10	80	0.13	6.49	75.06	0.09
1432030073	2022-11-12	1.97	0.43	158	13	11.74	98.50	10.49	9.39
1432030188	2022-11-12	0.88	0.73	70	23	3.09	57.40	9.68	5.93
1432030136	2022-11-12	1.34	0.52	107	16	6.60	64.90	14.45	4.49
1432030049	2022-11-12	1.75	0.85	140	27	5.27	26.00	12.56	2.07
1432030003	2022-11-12	0.41	1.41	33	44	0.74	27.10	39.50	0.69
1431026217	2022-11-12	0.31	1.76	25	55	0.45	23.50	56.14	0.42
1317025704	2022-11-14	0.56	1.42	45	44	1.01	37.60	37.83	0.99
1317025461	2022-11-14	0.73	1.91	58	60	0.98	52.20	52.97	0.99
1317025440	2022-11-14	0.44	1.45	35	45	0.78	32.90	42.19	0.78
1317025435	2022-11-14	0.32	1.25	26	39	0.66	25.80	35.31	0.73
1317025700	2022-11-14	0.58	2.18	46	68	0.68	42.70	62.93	0.68
1317025503	2022-11-14	0.49	2.21	39	69	0.57	36.70	56.89	0.65
1317025471	2022-11-14	0.33	1.42	26	44	0.60	23.10	38.39	0.60
1317025545	2022-11-14	0.22	1.82	18	57	0.31	7.92	52.71	0.15
1431030067	2022-11-17	0.87	1.20	70	38	1.86	77.80	15.88	4.90
1431030104	2022-11-17	1.00	1.20	80	38	2.14	58.10	23.74	2.45
1431030003	2022-11-17	0.71	0.88	57	28	2.07	50.70	24.46	2.07
1431030109	2022-11-17	0.76	1.15	61	36	1.69	54.50	32.47	1.68
1431030064	2022-11-17	0.69	1.22	55	38	1.45	89.60	53.87	1.66
1431030411	2022-11-17	1.00	1.45	80	45	1.77	69.80	42.31	1.65
1431030145	2022-11-17	0.81	1.27	65	40	1.63	55.70	35.78	1.56
1431030038	2022-11-17	0.85	1.25	68	39	1.74	55.50	36.69	1.51
1431030119	2022-11-17	0.80	1.27	64	40	1.61	46.10	31.34	1.47
1431030023	2022-11-17	0.86	1.45	69	45	1.52	59.70	43.28	1.38
1431030120	2022-11-17	1.01	2.18	81	68	1.19	73.50	64.51	1.14
1431030116	2022-11-17	0.53	1.21	42	38	1.12	37.40	36.48	1.03
1431030058	2022-11-17	0.39	1.41	31	44	0.71	21.90	39.97	0.55
1318015067	2022-11-20	0.75	0.07	60	2	27.45	57.10	0.59	96.78
1318015059	2022-11-20	0.84	0.50	67	16	4.30	61.70	15.11	4.08
1318015001	2022-11-20	0.77	0.81	62	25	2.44	56.20	22.22	2.53
1318015174	2022-11-20	0.89	1.25	71	39	1.82	56.40	31.96	1.76
1318015082	2022-11-20	0.69	1.45	55	45	1.22	70.60	45.14	1.56
1318015017	2022-11-20	0.70	1.40	56	44	1.28	54.50	38.43	1.42
1318015110	2022-11-20	1.06	2.57	85	80	1.06	71.70	73.46	0.98
1318015034	2022-11-20	0.78	3.02	62	94	0.66	68.80	78.97	0.87
1318015037	2022-11-20	0.53	2.45	42	77	0.55	44.80	65.97	0.68
1318015007	2022-11-20	0.57	2.60	46	81	0.56	46.40	74.08	0.63
1318015152	2022-11-20	0.53	3.84	42	120	0.35	39.30	70.51	0.56
1317035149	2022-11-21	0.80	1.41	64	44	1.45	55.20	39.21	1.41
1317035072	2022-11-21	0.67	3.10	54	97	0.55	45.70	93.84	0.49
1317027228	2022-11-23	0.92	1.32	74	41	1.79	66.60	39.92	1.67
1317027120	2022-11-23	0.42	1.54	34	48	0.70	32.20	46.34	0.69
1317027247	2022-11-23	0.16	1.49	13	47	0.28	15.50	43.96	0.35
1311002453	2022-11-27	0.10	0.12	8	4	2.14	14.90	2.23	6.68
1311003057	2022-11-27	0.32	2.33	26	73	0.35	22.20	68.04	0.33
1311002459	2022-11-27	0.17	1.97	14	62	0.22	11.70	60.57	0.19
1311002462	2022-11-27	0.18	2.39	14	75	0.19	11.40	73.43	0.16
1317036134	2022-11-28	0.16	1.69	13	53	0.24	11.80	33.90	0.35
1431034122	2022-11-30	1.95	0.32	156	10	15.61	80.00	6.38	12.54
1431034001	2022-11-30	2.63	0.47	211	15	14.34	91.80	9.63	9.53
1431034131	2022-11-30	1.78	0.75	143	23	6.08	93.70	10.40	9.01
1431034114	2022-11-30	2.87	0.53	230	17	13.87	98.10	11.81	8.31
1431034233	2022-11-30	1.65	0.47	132	15	8.99	90.70	11.80	7.69
1431034117	2022-11-30	3.39	0.36	271	11	24.13	27.80	6.11	4.55
1431034146	2022-11-30	1.70	0.82	136	26	5.31	114.00	25.14	4.53
1431034297	2022-11-30	1.18	0.69	94	22	4.38	75.00	18.00	4.17
1431034015	2022-11-30	1.05	0.82	84	26	3.28	62.50	19.10	3.27
1431034079	2022-11-30	2.41	1.18	193	37	5.23	82.80	27.17	3.05
1431034014	2022-11-30	1.27	1.32	102	41	2.47	73.60	35.52	2.07
1431034040	2022-11-30	2.95	1.79	236	56	4.22	87.50	42.30	2.07
1431034089	2022-11-30	0.90	1.64	72	51	1.41	55.90	47.88	1.17
1431034090	2022-11-30	0.81	1.65	65	52	1.26	45.10	48.29	0.93
1311002043	2022-11-30	0.22	1.05	18	33	0.54	17.50	32.18	0.54
1318021104	2022-12-03	0.27	1.40	22	44	0.49	31.10	41.96	0.74
1318021080	2022-12-03	0.24	1.24	19	39	0.50	21.10	40.05	0.53
1318017058	2022-12-05	0.51	0.04	41	1	32.67	37.40	0.72	51.94
1318017067	2022-12-05	0.67	1.47	54	46	1.17	80.80	6.40	12.63
1318017085	2022-12-05	0.76	0.32	61	10	6.08	56.10	6.91	8.12
1318017081	2022-12-05	0.75	0.33	60	10	5.82	53.00	7.94	6.68
1318017057	2022-12-05	0.53	0.27	42	8	5.03	40.30	6.19	6.51
1318018102	2022-12-05	0.51	0.29	41	9	4.51	38.20	6.22	6.14
1318018050	2022-12-05	0.61	0.38	49	12	4.11	44.60	9.53	4.68
1318018083	2022-12-05	0.54	0.38	43	12	3.64	39.70	10.08	3.94
1318017063	2022-12-05	0.59	0.56	47	18	2.70	44.70	15.34	2.91
1318018041	2022-12-05	0.61	0.69	49	22	2.26	45.30	19.80	2.29
1311004111	2022-12-05	0.21	1.19	17	37	0.45	43.30	32.75	1.32
1318018029	2022-12-05	0.46	1.04	37	33	1.13	33.60	27.32	1.23
1311003608	2022-12-05	0.51	2.63	41	82	0.50	38.00	72.88	0.52
1311004071	2022-12-05	0.10	2.84	8	89	0.09	14.00	80.33	0.17
1311004047	2022-12-05	0.17	3.09	14	97	0.14	11.50	88.00	0.13
1432078006	2022-12-09	0.92	1.70	74	53	1.39	65.30	45.66	1.43
1432078087	2022-12-09	0.69	1.90	55	59	0.93	70.30	53.03	1.33
1432078032	2022-12-09	0.75	2.21	60	69	0.87	46.30	63.68	0.73
1432078038	2022-12-09	0.16	0.55	13	17	0.75	7.75	15.36	0.50
1318019005	2022-12-10	0.66	0.41	53	13	4.12	45.60	12.42	3.67
1318019030	2022-12-10	0.74	0.58	59	18	3.27	54.10	17.47	3.10
1318019019	2022-12-10	0.67	0.85	54	27	2.02	46.00	24.56	1.87
1317040170	2022-12-12	0.55	0.32	44	10	4.40	42.30	8.03	5.27
1317040167	2022-12-12	0.68	0.64	54	20	2.72	47.00	17.07	2.75
1317037090	2022-12-12	0.35	0.61	28	19	1.47	30.80	15.29	2.01
1317040046	2022-12-12	0.69	1.20	55	38	1.47	41.40	34.78	1.19
1317040108	2022-12-12	0.25	0.73	20	23	0.88	23.00	20.68	1.11
1430012003	2022-12-12	1.33	2.46	106	77	1.39	74.20	70.57	1.05
1317040010	2022-12-12	0.75	2.49	60	78	0.77	50.20	72.18	0.70
1317040085	2022-12-12	0.33	1.42	26	44	0.60	21.20	37.81	0.56
1430012048	2022-12-12	0.22	2.07	18	65	0.27	18.00	56.21	0.32
1317040109	2022-12-12	0.22	3.00	18	94	0.19	16.70	86.00	0.19
1320056693	2022-12-13	0.58	1.07	46	33	1.39	43.90	27.39	1.60
1431040223	2022-12-14	1.12	2.15	90	67	1.33	78.30	65.09	1.20
1431040205	2022-12-14	0.72	2.06	58	64	0.90	49.80	55.46	0.90
1431040174	2022-12-14	0.52	1.67	42	52	0.80	39.40	48.01	0.82
1431040069	2022-12-14	0.69	2.09	55	65	0.85	45.40	59.88	0.76
1431040146	2022-12-14	0.48	1.72	38	54	0.71	32.60	48.37	0.67

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
1431040051	2022-12-14	0.63	2.43	50	76	0.66	41.30	65.89	0.63
1431040005	2022-12-14	0.65	2.39	52	75	0.70	41.10	73.08	0.56
1431040732	2022-12-14	0.35	2.29	28	72	0.39	18.30	71.42	0.26
1317038004	2022-12-17	0.48	1.44	38	45	0.85	32.10	42.60	0.75
1317038451	2022-12-17	0.51	2.07	41	65	0.63	37.70	56.63	0.67
1317039018	2022-12-17	0.36	3.47	29	108	0.27	27.70	91.72	0.30
1317038437	2022-12-17	0.13	1.81	10	57	0.18	12.50	53.32	0.23
1317039019	2022-12-17	0.22	2.74	18	86	0.21	15.50	76.06	0.20
1317038025	2022-12-17	0.11	2.20	9	69	0.13	11.70	63.06	0.19
1317039303	2022-12-17	0.13	3.78	10	118	0.09	12.60	106.01	0.12
1317034031	2022-12-18	0.34	2.20	27	69	0.40	23.20	61.85	0.38
1317034117	2022-12-18	0.32	3.09	26	97	0.27	21.10	86.48	0.24
1317042039	2022-12-19	0.75	1.54	60	48	1.25	58.20	39.06	1.49
1317033088	2022-12-19	0.63	1.08	50	34	1.49	45.90	31.03	1.48
1317029034	2022-12-19	0.43	0.91	34	28	1.21	35.50	24.83	1.43
1317033060	2022-12-19	0.78	1.46	62	46	1.37	57.60	41.04	1.40
1317042071	2022-12-19	0.94	2.90	75	91	0.83	66.50	73.40	0.91
1317033073	2022-12-19	0.35	1.35	28	42	0.66	33.80	40.30	0.84
1317033024	2022-12-19	0.44	1.40	35	44	0.81	34.00	41.76	0.81
1317042012	2022-12-19	0.52	1.97	42	62	0.68	44.00	54.17	0.81
1317033055	2022-12-19	0.24	1.69	19	53	0.36	20.00	50.03	0.40
1311006044	2022-12-20	0.07	0.91	6	28	0.20	11.20	29.75	0.38
1317030076	2022-12-22	0.77	0.90	62	28	2.19	60.20	22.72	2.65
1317030043	2022-12-22	0.40	1.05	32	33	0.98	34.50	30.13	1.15
1317030072	2022-12-22	0.32	1.44	26	45	0.57	31.90	37.72	0.85
1317030092	2022-12-22	0.34	1.07	27	33	0.81	24.40	31.29	0.78
1317030098	2022-12-22	0.15	2.42	12	76	0.16	16.90	62.88	0.27
1317030037	2022-12-22	0.21	2.45	17	77	0.22	16.00	66.89	0.24
1317031155	2022-12-23	0.75	0.63	60	20	3.05	56.00	16.86	3.32
1317031037	2022-12-23	0.27	0.68	22	21	1.02	29.40	17.82	1.65
1317031041	2022-12-23	0.71	1.17	57	37	1.55	52.00	32.43	1.60
1317041108	2022-12-23	0.64	1.18	51	37	1.39	55.60	38.23	1.45
1317041201	2022-12-23	0.99	1.81	79	57	1.40	48.70	49.88	0.98
1317031093	2022-12-23	0.34	1.00	27	31	0.87	28.70	30.54	0.94
1317041093	2022-12-23	0.86	2.56	69	80	0.86	61.60	68.25	0.90
1317041156	2022-12-23	0.46	1.83	37	57	0.64	34.10	51.59	0.66
1317031064	2022-12-23	0.54	2.30	43	72	0.60	35.80	62.84	0.57
1317031001	2022-12-23	0.25	1.51	20	47	0.42	26.40	46.37	0.57
1430010071	2022-12-24	1.76	0.99	141	31	4.55	117.00	26.01	4.50
1430010044	2022-12-24	0.97	1.17	78	37	2.12	72.80	36.29	2.01
1430010073	2022-12-24	1.30	2.24	104	70	1.49	93.30	60.68	1.54
1430010013	2022-12-24	0.91	2.45	73	77	0.95	71.30	66.54	1.07
1317051009	2022-12-26	1.08	1.56	86	49	1.77	79.40	44.29	1.79
1430014032	2022-12-29	1.43	1.72	114	54	2.13	104.00	47.70	2.18
1430014001	2022-12-29	1.23	1.38	98	43	2.28	84.20	39.03	2.16
1430014110	2022-12-29	0.74	1.14	59	36	1.66	52.10	31.11	1.67
1430014140	2022-12-29	0.68	0.94	54	29	1.85	40.50	25.42	1.59
1430014177	2022-12-29	0.57	1.16	46	36	1.26	41.10	30.00	1.37
1430014078	2022-12-29	2.22	6.98	178	218	0.81	148.00	121.39	1.22
1430014066	2022-12-29	0.65	1.76	52	55	0.95	46.10	50.67	0.91
1430014016	2022-12-29	1.43	6.24	114	195	0.59	111.00	126.25	0.88
1430014027	2022-12-29	1.79	8.82	143	276	0.52	118.00	173.16	0.68
1430014127	2022-12-29	1.66	8.77	133	274	0.48	111.00	190.28	0.58
1317043029	2022-12-30	0.96	2.09	77	65	1.18	64.10	59.96	1.07
1317043242	2022-12-30	0.89	2.36	71	74	0.97	62.50	63.36	0.99
1317045082	2022-12-31	1.07	0.14	86	4	19.58	77.80	1.19	65.38
1317045035	2022-12-31	0.54	0.28	43	9	4.94	39.10	5.52	7.08
1317045075	2022-12-31	0.56	0.41	45	13	3.50	46.80	7.94	5.89
1317045093	2022-12-31	0.87	0.62	70	19	3.60	55.90	13.68	4.09
1317045143	2022-12-31	0.68	0.50	54	16	3.48	46.30	13.06	3.55
1317045324	2022-12-31	0.45	0.42	36	13	2.75	31.60	9.85	3.21
1317045002	2022-12-31	0.46	0.61	37	19	1.93	33.50	15.43	2.17
1317045019	2022-12-31	0.25	0.59	20	18	1.09	17.20	15.81	1.09
1317045102	2022-12-31	0.64	2.57	51	80	0.64	53.20	72.28	0.74
1430006068	2023-01-02	0.87	0.56	70	18	3.98	56.30	14.54	3.87
1430006085	2023-01-02	1.05	2.00	84	63	1.35	80.10	50.27	1.59
1430006023	2023-01-02	0.50	1.07	40	33	1.20	35.20	28.57	1.23
1430006101	2023-01-02	0.69	1.54	55	48	1.15	49.00	45.24	1.08
1431095022	2023-01-03	0.18	0.30	14	9	1.54	133.00	15.18	8.76
1431095040	2023-01-03	0.68	0.55	54	17	3.17	51.30	14.24	3.60
1431095001	2023-01-03	0.59	1.34	47	42	1.13	41.40	31.62	1.31
1431095002	2023-01-03	0.42	3.09	34	97	0.35	34.20	85.18	0.40
1430009432	2023-01-08	1.23	0.57	98	18	5.53	98.50	14.32	6.88
1430009277	2023-01-08	1.20	1.30	96	41	2.36	92.10	33.02	2.79
1430009367	2023-01-08	0.49	0.70	39	22	1.79	43.30	18.25	2.37
1430009405	2023-01-08	0.70	1.13	56	35	1.59	57.00	24.89	2.29
1430009235	2023-01-08	0.77	1.06	62	33	1.86	51.60	26.33	1.96
1310002113	2023-01-08	0.51	0.81	41	25	1.61	39.70	21.58	1.84
1430009361	2023-01-08	0.64	1.27	51	40	1.29	46.40	34.53	1.34
1430009299	2023-01-08	0.47	1.21	38	38	1.00	34.40	33.15	1.04
1430009331	2023-01-08	0.62	2.10	50	66	0.76	46.70	56.72	0.82
1310002121	2023-01-08	0.43	1.35	34	42	0.82	26.50	37.73	0.70
1310002103	2023-01-08	0.42	2.70	34	84	0.40	34.90	73.74	0.47
1310003530	2023-01-09	0.19	0.62	15	19	0.79	17.20	16.72	1.03
1310003519	2023-01-09	0.59	2.57	47	80	0.59	38.90	72.62	0.54
1310003074	2023-01-09	0.24	1.45	19	45	0.42	15.30	40.27	0.38
1317047623	2023-01-10	0.86	0.14	69	4	15.74	63.30	0.53	119.43
1317047045	2023-01-10	1.01	0.30	81	9	8.63	76.90	4.27	18.01
1317047110	2023-01-10	0.63	0.39	50	12	4.14	48.80	7.69	6.35
1317047629	2023-01-10	0.60	0.34	48	11	4.52	43.80	8.70	5.03
1317047630	2023-01-10	0.62	0.50	50	16	3.18	45.90	11.19	4.10
1317047099	2023-01-10	0.60	0.53	48	17	2.90	44.70	13.16	3.40
1317047139	2023-01-10	0.53	0.87	42	27	1.56	31.00	20.37	1.52
1317047001	2023-01-10	0.45	2.79	36	87	0.41	42.80	78.59	0.54
1432032034	2023-01-12	2.26	0.34	181	11	17.03	68.70	4.30	15.98
1432032018	2023-01-12	2.44	1.38	195	43	4.53	91.20	27.56	3.31
1316023001	2023-01-12	0.67	1.72	54	54	1.00	46.50	51.35	0.91
1316023165	2023-01-12	0.59	1.57	47	49	0.96	39.60	51.00	0.78
1316023094	2023-01-12	0.51	2.63	41	82	0.50	31.30	74.69	0.42
1316023112	2023-01-12	0.25	1.64	20	51	0.39	18.40	44.48	0.41
1316023049	2023-01-12	0.37	2.17	30	68	0.44	26.20	66.39	0.39
1316023087	2023-01-12	0.35	3.13	28	98	0.29	24.60	89.42	0.28
1316023043	2023-01-12	0.24	1.66	19	52	0.37	13.40	49.07	0.27
1316023007	2023-01-12	0.37	1.76	30	55	0.54	14.10	52.79	0.27
1316023027	2023-01-12	0.22	2.31	18	72	0.24	9.36	64.73	0.14
1316023157	2023-01-12	0.08	1.56	6	49	0.13	5.73	45.39	0.13

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
1310004628	2023-01-13	1.15	0.18	92	6	16.37	91.50	0.42	217.86
1430007169	2023-01-13	0.75	0.20	60	6	9.61	49.50	2.23	22.20
1317049013	2023-01-13	0.48	0.25	38	8	4.92	37.30	4.44	8.40
1317049001	2023-01-13	0.58	0.36	46	11	4.13	43.00	7.15	6.01
1317049015	2023-01-13	0.54	0.36	43	11	3.84	39.40	7.08	5.56
1317049024	2023-01-13	0.71	0.63	57	20	2.89	53.80	14.40	3.74
1430007275	2023-01-13	0.46	0.34	37	11	3.47	28.70	7.80	3.68
1317049065	2023-01-13	0.49	0.43	39	13	2.92	36.30	10.58	3.43
1430007172	2023-01-13	1.57	1.10	126	34	3.66	112.00	32.70	3.43
1317049635	2023-01-13	0.61	0.66	49	21	2.37	45.90	16.23	2.83
1430007182	2023-01-13	1.40	1.42	112	44	2.53	84.90	40.61	2.09
1317049058	2023-01-13	0.31	0.51	25	16	1.56	23.20	13.21	1.76
1310004074	2023-01-13	0.55	0.99	44	31	1.42	41.40	25.36	1.63
1430007146	2023-01-13	0.50	1.23	40	38	1.04	40.90	35.18	1.16
1310004025	2023-01-13	0.16	0.53	13	17	0.77	12.20	14.03	0.87
1430007244	2023-01-13	0.36	1.30	29	41	0.71	24.20	33.89	0.71
1430007211	2023-01-13	0.81	3.82	65	119	0.54	58.20	106.91	0.54
1310004600	2023-01-13	0.17	0.81	14	25	0.54	11.70	22.40	0.52
1310004072	2023-01-13	0.20	1.67	16	52	0.31	10.80	53.07	0.20
1430007268	2023-01-13	0.16	1.37	13	43	0.30	7.47	38.15	0.20
1430007251	2023-01-13	0.10	1.46	8	46	0.18	7.49	45.46	0.16
1430007327	2023-01-13	0.03	2.26	2	71	0.03	3.62	67.14	0.05
1430007321	2023-01-13	0.11	2.08	9	65	0.14	2.99	56.42	0.05
1430007339	2023-01-13	0.02	2.34	2	73	0.02	3.62	71.24	0.05
1430007334	2023-01-13	0.10	9.47	8	296	0.03	0.98	280.18	0.00
1317049808	2023-01-16	0.58	0.54	46	17	2.75	44.40	10.19	4.36
1317049702	2023-01-16	0.88	0.77	70	24	2.93	66.30	17.33	3.83
1317049976	2023-01-17	1.16	0.73	93	23	4.07	81.40	15.78	5.16
1316024106	2023-01-17	0.34	1.14	27	36	0.76	41.20	34.87	1.18
1316024017	2023-01-17	0.56	1.85	45	58	0.78	38.40	57.89	0.66
1310005607	2023-01-17	0.16	2.25	13	70	0.18	13.00	61.50	0.21
1310005029	2023-01-17	0.09	1.64	7	51	0.14	7.44	47.40	0.16
1310005018	2023-01-17	0.10	2.02	8	63	0.13	9.52	69.57	0.14
1316025025	2023-01-19	0.89	2.04	71	64	1.12	59.10	30.86	1.92
1316025092	2023-01-19	1.75	1.70	140	53	2.64	88.10	49.59	1.78
1316025030	2023-01-19	0.26	0.84	21	26	0.79	15.40	22.16	0.69
1316025187	2023-01-19	0.41	2.49	33	78	0.42	32.20	67.77	0.48
1316025119	2023-01-19	0.36	1.59	29	50	0.58	21.60	51.62	0.42
1315018217	2023-01-19	0.38	2.09	30	65	0.47	22.10	58.82	0.38
1315018200	2023-01-19	0.32	2.35	26	73	0.35	17.00	66.85	0.25
1431031808	2023-01-20	0.61	1.52	49	48	1.03	41.00	43.66	0.94
1431031120	2023-01-20	0.42	1.84	34	58	0.58	28.00	52.06	0.54
1316030027	2023-01-22	0.39	1.44	31	45	0.69	24.90	43.80	0.57
1316030109	2023-01-22	0.33	2.44	26	76	0.35	14.30	65.97	0.22
1316030141	2023-01-22	0.14	1.82	11	57	0.20	10.50	49.71	0.21
1316030131	2023-01-22	0.32	2.57	26	80	0.32	12.20	73.63	0.17
1316030112	2023-01-22	0.56	2.39	45	75	0.60	11.20	68.74	0.16
1430008038	2023-01-23	0.89	0.92	71	29	2.48	57.90	22.25	2.60
1430008245	2023-01-23	0.94	1.78	75	56	1.35	61.70	42.68	1.45
1430008024	2023-01-23	1.11	1.63	89	51	1.74	67.90	47.26	1.44
1430008070	2023-01-23	1.04	1.87	83	58	1.42	67.90	51.39	1.32
1430008052	2023-01-23	1.22	2.03	98	63	1.54	44.40	57.61	0.77
1430008084	2023-01-23	0.95	1.91	76	60	1.27	43.40	57.03	0.76
1315016011	2023-01-24	0.10	4.38	8	137	0.06	9.99	123.45	0.08
1316028224	2023-01-27	0.81	1.26	65	39	1.65	58.70	33.92	1.73
1316028094	2023-01-27	0.54	1.62	43	51	0.85	36.40	36.56	1.00
1316028233	2023-01-27	0.64	3.58	51	112	0.46	49.70	73.79	0.67
1316028187	2023-01-27	0.76	3.97	61	124	0.49	52.10	106.10	0.49
1316028048	2023-01-27	0.23	3.80	18	119	0.16	36.90	98.43	0.37
1316028034	2023-01-27	0.35	2.52	28	79	0.36	20.70	69.49	0.30
1316028028	2023-01-27	0.14	1.66	11	52	0.22	5.85	48.96	0.12
1430030191	2023-01-28	0.76	1.58	61	49	1.23	56.80	44.41	1.28
1430030073	2023-01-28	0.70	1.69	56	53	1.06	47.60	44.89	1.06
1430030119	2023-01-28	0.75	2.05	60	64	0.94	52.30	59.61	0.88
1430030144	2023-01-28	0.60	1.98	48	62	0.78	35.20	58.05	0.61
1430030257	2023-01-28	0.42	2.06	34	64	0.52	17.70	59.12	0.30
1309002371	2023-01-29	0.98	0.77	78	24	3.26	70.90	18.36	3.86
1309002383	2023-01-29	0.23	0.41	18	13	1.44	29.20	8.31	3.51
1316027076	2023-01-29	0.93	1.00	74	31	2.38	73.50	24.35	3.02
1309002016	2023-01-29	0.35	0.26	28	8	3.45	18.00	6.07	2.97
1309002378	2023-01-29	0.14	0.62	11	19	0.58	18.70	18.18	1.03
1316027175	2023-01-29	0.27	2.76	22	86	0.25	27.00	77.05	0.35
1316027607	2023-01-29	0.18	4.86	14	152	0.09	14.50	135.62	0.11
1316027110	2023-01-29	0.17	7.51	14	235	0.06	6.24	215.24	0.03
1430015056	2023-01-30	0.35	1.73	28	54	0.52	111.00	48.64	2.28
1430015001	2023-01-30	0.92	1.26	74	39	1.87	59.60	36.10	1.65
1309003108	2023-02-01	1.10	0.21	88	7	13.42	85.40	0.61	140.00
1430026007	2023-02-01	3.32	3.27	266	102	2.60	150.00	78.57	1.91
1430026114	2023-02-01	1.47	1.83	118	57	2.06	83.40	48.10	1.73
1430026097	2023-02-01	1.72	2.75	138	86	1.60	102.00	73.68	1.38
1430026105	2023-02-01	1.79	3.57	143	112	1.28	119.00	96.12	1.24
1309003144	2023-02-01	0.15	2.19	12	68	0.18	96.70	84.91	1.14
1430026104	2023-02-01	1.75	4.50	140	141	1.00	94.90	124.73	0.76
1309003313	2023-02-01	0.28	1.00	22	31	0.72	15.00	29.44	0.51
1309003350	2023-02-01	0.27	1.16	22	36	0.60	14.20	32.37	0.44
1309003319	2023-02-01	0.57	2.04	46	64	0.72	21.90	53.15	0.41
1309003348	2023-02-01	0.19	1.19	15	37	0.41	11.20	32.52	0.34
1430026144	2023-02-01	1.37	3.05	110	95	1.15	14.50	63.02	0.23
1309003358	2023-02-01	0.18	2.19	14	68	0.21	10.70	61.49	0.17
1309003089	2023-02-01	0.17	2.54	14	79	0.17	11.50	71.27	0.16
1309003104	2023-02-01	0.20	3.33	16	104	0.15	11.20	88.24	0.13
1309003338	2023-02-01	0.21	2.49	17	78	0.22	7.71	72.07	0.11
1317052018	2023-02-04	0.95	1.89	76	59	1.29	67.60	47.15	1.43
1317052021	2023-02-04	0.71	2.07	57	65	0.88	47.90	53.46	0.90
1316029134	2023-02-05	0.97	1.23	78	38	2.02	70.30	35.00	2.01
1316029181	2023-02-05	0.63	1.22	50	38	1.32	44.60	32.37	1.38
1316029158	2023-02-05	0.65	1.13	52	35	1.47	40.60	29.56	1.37
1316026611	2023-02-05	0.76	1.63	61	51	1.19	50.00	45.48	1.10
1316026115	2023-02-05	0.85	1.69	68	53	1.29	49.90	49.58	1.01
1316026620	2023-02-05	0.74	2.04	59	64	0.93	52.40	58.95	0.89
1316026027	2023-02-05	0.43	1.26	34	39	0.87	31.60	37.57	0.84
1316026104	2023-02-05	0.47	1.26	38	39	0.96	29.70	35.41	0.84
1316029001	2023-02-05	0.23	1.13	18	35	0.52	21.40	33.61	0.64
1316029205	2023-02-05	0.70	1.47	56	46	1.22	19.90	38.74	0.51
1316029137	2023-02-05	0.24	1.47	19	46	0.42	17.00	43.50	0.39
1316029043	2023-02-05	0.38	1.88	30	59	0.52	17.50	52.54	0.33

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
1316040002	2023-02-07	0.58	1.54	46	48	0.96	40.40	41.69	0.97
1316040025	2023-02-07	0.60	1.76	48	55	0.87	39.40	41.47	0.95
1316040036	2023-02-07	0.39	1.22	31	38	0.82	28.20	32.16	0.88
1316040044	2023-02-07	0.41	1.45	33	45	0.72	26.70	44.17	0.60
1316040037	2023-02-07	0.25	2.11	20	66	0.30	16.40	54.68	0.30
1316044108	2023-02-09	0.48	1.17	38	37	1.05	33.90	31.20	1.09
1316044147	2023-02-09	0.55	1.17	44	37	1.20	38.90	40.22	0.97
1316044612	2023-02-09	1.00	2.74	80	86	0.94	69.70	75.90	0.92
1316044055	2023-02-09	0.56	1.88	45	59	0.76	39.40	46.78	0.84
1316044138	2023-02-09	0.36	1.22	29	38	0.76	28.70	34.34	0.84
1316044062	2023-02-09	0.51	1.52	41	48	0.86	40.80	53.07	0.77
1316044008	2023-02-09	0.43	1.77	34	55	0.62	26.70	52.19	0.51
1316044095	2023-02-09	0.33	1.53	26	48	0.55	24.20	47.95	0.50
1316044040	2023-02-09	0.28	1.82	22	57	0.39	15.40	50.81	0.30
1316033026	2023-02-11	0.68	1.62	54	51	1.08	49.40	44.93	1.10
1316033155	2023-02-11	0.32	0.75	26	23	1.09	23.90	23.25	1.03
1316033060	2023-02-11	0.34	1.02	27	32	0.85	28.60	27.85	1.03
1316033162	2023-02-11	0.38	1.28	30	40	0.76	29.40	36.20	0.81
1316033001	2023-02-11	0.41	1.48	33	46	0.71	29.10	41.50	0.70
1316033018	2023-02-11	0.33	1.15	26	36	0.74	21.20	31.45	0.67
1316033104	2023-02-11	0.23	1.28	18	40	0.46	21.70	34.16	0.64
1316033050	2023-02-11	0.23	1.48	18	46	0.40	24.00	41.32	0.58
1316033125	2023-02-11	0.29	1.69	23	53	0.44	25.90	45.11	0.57
1430017346	2023-02-13	1.21	0.27	97	8	11.48	92.40	3.55	26.03
1430017307	2023-02-13	0.83	0.35	66	11	6.08	62.30	7.59	8.21
1430017200	2023-02-13	1.95	0.68	156	21	7.35	127.00	15.60	8.14
1430017302	2023-02-13	2.34	1.23	187	38	4.87	182.00	26.45	6.88
1430017100	2023-02-13	1.35	0.78	108	24	4.43	102.00	16.01	6.37
1430017156	2023-02-13	1.07	1.06	86	33	2.59	77.80	24.63	3.16
1430017258	2023-02-13	1.82	1.76	146	55	2.65	135.00	42.82	3.15
1430017644	2023-02-13	1.27	1.26	102	39	2.58	82.60	34.41	2.40
1430017617	2023-02-13	0.81	1.06	65	33	1.96	52.10	28.24	1.84
1430017217	2023-02-13	0.94	1.25	75	39	1.93	59.20	34.86	1.70
1430017339	2023-02-13	1.07	1.74	86	54	1.58	72.20	48.45	1.49
1430017625	2023-02-13	1.23	1.76	98	55	1.79	73.40	50.14	1.46
1430017049	2023-02-13	0.65	1.03	52	32	1.62	40.90	28.57	1.43
1430017809	2023-02-13	0.94	1.62	75	51	1.49	64.70	47.61	1.36
1430017193	2023-02-13	1.15	1.64	92	51	1.80	57.00	44.27	1.29
1430017226	2023-02-13	0.74	1.53	59	48	1.24	46.20	44.34	1.04
1316037035	2023-02-13	0.79	2.52	63	79	0.80	61.10	63.60	0.96
1430017221	2023-02-13	0.56	1.52	45	48	0.94	40.60	44.89	0.90
1430017001	2023-02-13	0.59	1.57	47	49	0.96	40.50	45.25	0.90
1430017141	2023-02-13	0.32	0.96	26	30	0.85	22.70	25.53	0.89
1430017009	2023-02-13	0.55	1.59	44	50	0.89	39.20	44.58	0.88
1430017601	2023-02-13	0.27	0.91	22	28	0.76	16.00	23.59	0.68
1430017209	2023-02-13	0.36	1.57	29	49	0.59	24.70	44.01	0.56
1316037014	2023-02-13	0.33	2.97	26	93	0.28	26.70	87.70	0.30
1430017329	2023-02-13	0.15	1.88	12	59	0.20	8.23	55.65	0.15
1316037129	2023-02-13	0.06	3.09	5	97	0.05	7.24	89.26	0.08
1430017827	2023-02-13	0.12	2.02	10	63	0.15	4.49	60.43	0.07
1430017023	2023-02-13	0.12	2.08	10	65	0.15	3.99	59.64	0.07
1316037087	2023-02-13	0.06	3.84	5	120	0.04	6.61	106.50	0.06
1430016024	2023-02-15	1.78	0.80	143	25	5.70	117.00	19.29	6.07
1430016025	2023-02-15	0.93	0.63	74	20	3.78	72.10	16.64	4.33
1430016096	2023-02-15	0.75	0.61	60	19	3.15	50.90	15.67	3.25
1430016018	2023-02-15	0.73	1.03	58	32	1.82	48.00	29.02	1.65
1430016038	2023-02-15	0.60	0.99	48	31	1.55	48.30	29.24	1.65
1430016055	2023-02-15	0.53	0.84	42	26	1.62	35.90	26.03	1.38
1430016194	2023-02-15	0.61	1.95	49	61	0.80	49.40	54.87	0.90
1430016210	2023-02-16	2.66	0.68	213	21	10.02	171.00	15.04	11.37
1430016388	2023-02-16	1.20	0.41	96	13	7.50	67.30	10.15	6.63
1430016292	2023-02-16	1.25	0.51	100	16	6.28	64.70	14.55	4.45
1430016386	2023-02-16	1.01	0.51	81	16	5.07	63.60	14.55	4.37
1430016302	2023-02-16	0.82	0.53	66	17	3.96	51.50	12.70	4.06
1430020148	2023-02-18	1.93	0.54	155	17	9.16	0.00	0.00	-
1430020215	2023-02-18	1.61	0.56	129	18	7.37	113.00	14.20	7.96
1430020146	2023-02-18	1.84	0.72	147	23	6.55	125.00	16.60	7.53
1430020156	2023-02-18	1.92	0.86	154	27	5.72	143.00	20.70	6.91
1430020217	2023-02-18	1.27	0.99	102	31	3.29	87.60	25.75	3.40
1430020149	2023-02-18	0.79	0.83	63	26	2.44	61.30	22.44	2.73
1430020197	2023-02-18	1.05	2.48	84	78	1.08	73.20	64.99	1.13
1430020058	2023-02-18	1.65	3.12	132	98	1.35	94.60	84.20	1.12
1430020274	2023-02-18	1.53	4.15	122	130	0.94	96.20	94.65	1.02
1430020290	2023-02-18	0.80	2.36	64	74	0.87	60.40	62.92	0.96
1430020163	2023-02-18	0.91	2.82	73	88	0.83	68.80	76.09	0.90
1430020192	2023-02-18	1.85	7.47	148	233	0.63	134.00	172.20	0.78
1430020125	2023-02-18	1.70	6.21	136	194	0.70	76.00	151.55	0.50
1430018041	2023-02-19	0.64	1.61	51	50	1.02	23.40	43.30	0.54
1430018152	2023-02-19	0.28	1.05	22	33	0.68	14.70	28.54	0.52
1430018006	2023-02-19	0.38	1.82	30	57	0.53	22.50	51.32	0.44
1430018167	2023-02-19	0.25	1.44	20	45	0.44	10.20	41.58	0.25
1430018079	2023-02-19	0.17	1.35	14	42	0.32	6.22	38.74	0.16
1430018012	2023-02-19	0.11	1.60	9	50	0.18	3.74	48.47	0.08
1430018004	2023-02-19	0.17	1.35	14	42	0.32	3.25	42.65	0.08
1430018149	2023-02-19	0.12	1.68	10	53	0.18	3.49	47.52	0.07
1430018164	2023-02-19	0.17	1.76	14	55	0.25	1.50	48.62	0.03
1430031637	2023-02-20	2.08	0.14	167	4	38.06	151.00	0.01	30200.00
1430031615	2023-02-20	1.11	0.11	89	3	25.85	85.60	1.08	79.26
1430031012	2023-02-20	0.49	0.10	39	3	12.55	12.00	0.84	14.29
1430031014	2023-02-20	0.69	0.28	55	9	6.31	47.10	4.72	9.98
1316031083	2023-02-20	0.93	1.47	74	46	1.62	68.70	40.15	1.71
1316031624	2023-02-20	0.99	1.72	79	54	1.47	72.50	47.69	1.52
1316031028	2023-02-20	0.93	1.72	74	54	1.39	70.40	49.68	1.42
1316031077	2023-02-20	0.90	2.10	72	66	1.10	65.40	56.03	1.17
1316031073	2023-02-20	0.64	1.74	51	54	0.94	49.30	47.48	1.04
1430031005	2023-02-20	1.21	2.02	97	63	1.53	54.70	57.61	0.95
1316031010	2023-02-20	0.62	1.78	50	56	0.89	42.40	48.46	0.87
1430031043	2023-02-20	0.80	2.29	64	72	0.90	53.30	65.89	0.81
1430032062	2023-02-21	0.98	0.54	78	17	4.65	62.00	14.50	4.28
1430032123	2023-02-21	0.94	0.83	75	26	2.90	61.70	24.57	2.51
1430032178	2023-02-21	0.82	1.17	66	37	1.80	72.00	33.04	2.18
1430032171	2023-02-21	0.75	0.78	60	24	2.46	42.70	19.66	2.17
1430032095	2023-02-21	0.86	1.20	69	38	1.84	66.00	33.58	1.97
1430032085	2023-02-21	1.23	1.20	98	38	2.63	57.50	30.73	1.87
1430032662	2023-02-21	0.94	1.44	75	45	1.67	66.70	41.41	1.61
1430032056	2023-02-21	0.89	1.62	71	51	1.41	60.60	43.05	1.41

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
1430032671	2023-02-21	0.84	1.61	67	50	1.34	57.80	46.25	1.25
1430032625	2023-02-21	0.95	1.90	76	59	1.28	65.60	52.86	1.24
1430032608	2023-02-21	1.35	4.79	108	150	0.72	106.00	115.14	0.92
1430032021	2023-02-21	1.19	3.07	95	96	0.99	60.40	84.62	0.71
1430032082	2023-02-21	0.65	2.64	52	83	0.63	46.10	70.47	0.65
1430032643	2023-02-21	0.39	1.80	31	56	0.56	25.50	49.63	0.51
1430024138	2023-02-25	1.65	3.64	132	114	1.16	154.00	93.45	1.65
1430024016	2023-02-25	1.44	2.67	115	83	1.38	88.90	74.02	1.20
1430024060	2023-02-25	1.49	1.99	119	62	1.92	59.90	51.31	1.17
1430024151	2023-02-25	1.50	5.53	120	173	0.69	87.40	124.39	0.70
1430024034	2023-02-25	1.40	4.92	112	154	0.73	85.40	122.18	0.70
1430024144	2023-02-25	1.71	5.73	137	179	0.76	81.40	124.94	0.65
1430024085	2023-02-25	1.86	6.86	149	214	0.69	59.80	140.56	0.43
1430019931	2023-02-25	0.33	1.89	26	59	0.45	23.40	59.04	0.40
1430019613	2023-02-25	0.30	1.92	24	60	0.40	19.00	51.41	0.37
1430019216	2023-02-25	0.17	0.94	14	29	0.46	5.99	26.95	0.22
1430019197	2023-02-25	0.11	1.50	9	47	0.19	6.99	43.01	0.16
1429007185	2023-02-27	0.68	0.67	54	21	2.60	52.20	19.69	2.65
1430024168	2023-02-27	1.42	1.21	114	38	3.01	59.90	28.42	2.11
1429007138	2023-02-27	0.92	1.64	74	51	1.44	60.60	46.61	1.30
1429007158	2023-02-27	0.55	1.30	44	41	1.08	43.90	34.25	1.28
1429007119	2023-02-27	0.73	1.56	58	49	1.20	38.60	42.12	0.92
1316031905	2023-02-27	0.45	1.55	36	48	0.74	35.50	43.86	0.81
1316031912	2023-02-27	0.47	1.61	38	50	0.75	34.40	45.81	0.75
1316031969	2023-02-27	0.31	1.45	25	45	0.55	26.70	41.76	0.64
1429007104	2023-02-27	0.52	1.81	42	57	0.74	31.90	53.74	0.59
1316031950	2023-02-27	0.40	3.26	32	102	0.31	29.00	90.57	0.32
1430024262	2023-02-27	1.25	2.60	100	81	1.23	14.20	69.73	0.20
1431043115	2023-02-28	0.40	1.64	32	51	0.62	29.70	42.04	0.71
1431043221	2023-02-28	1.58	4.53	127	142	0.89	64.90	117.32	0.55
1431043225	2023-02-28	0.49	2.47	39	77	0.51	33.00	71.85	0.46
1429006048	2023-02-28	1.64	10.10	131	316	0.42	88.40	234.60	0.38
1430019808	2023-03-01	0.11	0.85	9	27	0.33	1.99	26.74	0.07
1431091015	2023-03-02	2.61	1.11	209	35	6.02	140.00	21.72	6.45
1308002154	2023-03-02	0.23	1.18	18	37	0.50	33.20	31.98	1.04
1308002086	2023-03-02	0.10	1.02	8	32	0.25	10.70	31.99	0.33
1308002071	2023-03-02	0.14	1.04	11	33	0.34	8.74	27.34	0.32
1308002024	2023-03-02	0.17	1.26	14	39	0.35	10.50	34.23	0.31
1308002081	2023-03-02	0.25	2.02	20	63	0.32	15.70	52.23	0.30
1308002038	2023-03-02	0.12	1.37	10	43	0.22	9.98	35.39	0.28
1308002004	2023-03-02	0.13	1.51	10	47	0.22	11.00	41.66	0.26
1308002151	2023-03-02	0.10	1.06	8	33	0.24	7.97	30.19	0.26
1308002117	2023-03-02	0.21	2.04	17	64	0.26	9.23	52.89	0.17
1308002178	2023-03-02	0.17	1.40	14	44	0.31	6.48	39.87	0.16
1308002040	2023-03-02	0.12	2.78	10	87	0.11	11.20	82.10	0.14
1316036662	2023-03-03	0.76	0.95	61	30	2.05	54.20	16.79	3.23
1316036650	2023-03-03	1.38	1.70	110	53	2.08	85.20	27.36	3.11
1316036278	2023-03-03	0.75	0.94	60	29	2.04	56.20	24.65	2.28
1316036645	2023-03-03	0.71	1.20	57	38	1.52	50.80	26.13	1.94
1316036200	2023-03-03	0.70	0.88	56	28	2.04	44.90	23.45	1.91
1316036620	2023-03-03	0.45	0.66	36	21	1.75	26.40	16.66	1.58
1316036240	2023-03-03	0.62	1.08	50	34	1.47	45.80	30.35	1.51
1316036259	2023-03-03	0.61	1.23	49	38	1.27	43.10	30.32	1.42
1316036217	2023-03-03	0.69	1.18	55	37	1.50	33.80	28.14	1.20
1316036028	2023-03-03	0.38	0.85	30	27	1.15	24.70	21.84	1.13
1316036002	2023-03-03	0.34	0.97	27	30	0.90	25.90	23.95	1.08
1316036015	2023-03-03	0.15	0.93	12	29	0.41	9.15	24.42	0.37
1316034211	2023-03-05	0.59	0.41	47	13	3.69	37.60	9.36	4.02
1316034636	2023-03-05	0.44	0.36	35	11	3.13	30.90	8.46	3.65
1316034622	2023-03-05	0.54	0.49	43	15	2.82	35.10	10.85	3.24
1316035054	2023-03-05	0.55	1.02	44	32	1.38	41.90	26.90	1.56
1316035214	2023-03-05	1.12	1.96	90	61	1.46	77.40	53.23	1.45
1316034231	2023-03-05	0.81	1.55	65	48	1.34	57.10	39.96	1.43
1316035047	2023-03-05	0.65	1.23	52	38	1.35	41.70	32.08	1.30
1316034080	2023-03-05	0.33	0.84	26	26	1.01	26.00	21.97	1.18
1316034605	2023-03-05	0.57	1.29	46	40	1.13	35.60	30.56	1.16
1316034038	2023-03-05	0.68	1.41	54	44	1.24	38.40	36.58	1.05
1316035620	2023-03-05	0.81	2.23	65	70	0.93	59.50	57.08	1.04
1316035033	2023-03-05	0.40	1.26	32	39	0.81	31.20	32.39	0.96
1316034010	2023-03-05	0.22	0.62	18	19	0.91	17.70	19.13	0.93
1316035611	2023-03-05	0.41	1.65	33	52	0.64	27.50	37.74	0.73
1316034040	2023-03-05	0.30	1.54	24	48	0.50	27.40	42.50	0.64
1316034021	2023-03-05	0.29	1.56	23	49	0.48	23.00	42.47	0.54
1316034069	2023-03-06	0.29	1.62	23	51	0.46	27.70	46.71	0.59
1316038628	2023-03-07	0.94	1.34	75	42	1.80	72.00	37.59	1.92
1316038636	2023-03-07	0.72	1.00	58	31	1.84	57.70	30.57	1.89
1316038079	2023-03-07	0.70	2.18	56	68	0.82	55.10	58.70	0.94
1316038018	2023-03-07	0.46	1.63	37	51	0.72	36.90	45.15	0.82
1314014005	2023-03-07	0.79	2.51	63	78	0.81	50.40	66.25	0.76
1316038646	2023-03-07	0.33	1.85	26	58	0.46	29.20	55.71	0.52
1429009174	2023-03-09	2.10	0.81	168	25	6.64	144.00	16.96	8.49
1429009064	2023-03-09	0.64	1.06	51	33	1.55	42.90	26.85	1.60
1430004072	2023-03-09	1.06	1.99	85	62	1.36	69.90	52.51	1.33
1430004132	2023-03-09	1.34	3.37	107	105	1.02	85.20	85.20	1.00
1316039018	2023-03-09	0.34	0.76	27	24	1.15	22.60	26.67	0.85
1429009016	2023-03-09	0.53	1.67	42	52	0.81	36.70	43.33	0.85
1429009048	2023-03-09	0.68	2.00	54	63	0.87	47.20	56.27	0.84
1316039060	2023-03-09	0.89	2.88	71	90	0.79	66.40	81.49	0.81
1316039919	2023-03-09	0.71	2.84	57	89	0.64	52.60	76.97	0.68
1316039072	2023-03-09	0.60	3.18	48	99	0.48	37.10	82.77	0.45
1316039001	2023-03-09	0.42	2.72	34	85	0.40	24.70	74.18	0.33
1316039944	2023-03-09	0.20	0.60	16	19	0.85	4.20	16.32	0.26
1316039930	2023-03-09	0.38	4.73	30	148	0.21	21.00	132.83	0.16
1430025358	2023-03-11	2.30	1.03	184	32	5.72	163.00	21.18	7.70
1430025006	2023-03-11	1.88	2.34	151	73	2.06	125.00	58.03	2.15
1430025007	2023-03-11	1.88	2.17	151	68	2.22	87.40	51.84	1.69
1430025048	2023-03-11	1.07	1.64	86	51	1.67	68.00	43.71	1.56
1430025008	2023-03-11	1.81	2.81	145	88	1.65	91.10	70.49	1.29
1430025179	2023-03-11	1.19	2.39	95	75	1.28	70.00	57.24	1.22
1430025158	2023-03-11	0.60	1.35	48	42	1.14	43.90	37.34	1.18
1430025041	2023-03-11	0.66	1.63	53	51	1.04	42.50	42.31	1.00
1430025059	2023-03-11	1.04	2.18	83	68	1.22	51.70	53.34	0.97
1430025482	2023-03-13	1.23	1.78	98	56	1.77	77.30	41.86	1.85
1430025418	2023-03-13	1.53	1.99	122	62	1.97	88.50	81.30	1.09
1430025423	2023-03-13	2.37	5.18	190	162	1.17	93.70	120.95	0.77
1430025437	2023-03-13	1.77	7.36	142	230	0.62	92.30	166.91	0.55

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
1430023001	2023-03-14	1.68	3.06	135	96	1.41	0.00	0.00	-
1429010076	2023-03-14	0.91	0.78	73	24	2.99	73.20	20.18	3.63
1429010068	2023-03-14	0.90	1.19	72	37	1.94	66.60	29.87	2.23
1429010124	2023-03-14	1.58	1.85	127	58	2.19	59.10	47.66	1.24
1430023004	2023-03-14	1.36	3.11	109	97	1.12	87.10	76.27	1.14
1430023055	2023-03-14	1.48	2.71	118	85	1.40	83.40	74.13	1.13
1430023631	2023-03-14	1.14	3.44	91	108	0.85	68.60	89.57	0.77
1314511003	2023-03-15	0.52	1.42	42	44	0.94	41.40	37.63	1.10
1314511015	2023-03-15	0.49	11.80	39	369	0.11	38.20	321.66	0.12
1430029654	2023-03-17	1.15	1.26	92	39	2.34	62.80	33.66	1.87
1430029002	2023-03-17	0.98	1.59	78	50	1.58	63.80	43.48	1.47
1430021083	2023-03-17	2.28	6.45	183	202	0.91	162.00	127.53	1.27
1430021152	2023-03-17	1.61	3.43	129	107	1.20	84.90	88.62	0.96
1430021129	2023-03-17	1.89	6.60	151	206	0.73	93.60	145.12	0.64
1430027078	2023-03-19	1.99	0.54	159	17	9.44	104.00	9.00	11.56
1430027084	2023-03-19	2.13	0.89	171	28	6.13	124.00	15.86	7.82
1430027030	2023-03-19	2.23	1.33	179	42	4.30	151.00	23.82	6.34
1430027004	2023-03-19	1.39	0.86	111	27	4.14	101.00	19.09	5.29
1430028058	2023-03-19	0.25	0.92	20	29	0.70	18.10	24.42	0.74
1430028660	2023-03-19	0.26	1.30	21	41	0.51	20.40	35.62	0.57
1430028077	2023-03-19	0.40	1.61	32	50	0.64	17.60	42.19	0.42
1430028018	2023-03-19	0.20	1.23	16	38	0.42	14.40	35.56	0.40
1430028114	2023-03-19	0.20	1.56	16	49	0.33	8.69	41.75	0.21
1430028642	2023-03-19	0.11	2.30	9	72	0.12	8.68	65.49	0.13
1430028022	2023-03-19	0.11	1.69	9	53	0.17	4.69	51.44	0.09
1429011115	2023-03-20	1.12	1.19	90	37	2.41	66.30	30.86	2.15
1429011022	2023-03-20	1.46	1.11	117	35	3.37	64.20	29.93	2.15
1429011016	2023-03-20	1.14	1.40	91	44	2.09	69.30	41.11	1.69
1429011061	2023-03-20	0.97	1.72	78	54	1.44	75.50	46.28	1.63
1429011158	2023-03-20	0.51	1.56	41	49	0.84	41.20	40.03	1.03
1429011097	2023-03-20	0.05	1.03	4	32	0.12	8.57	30.82	0.28
1429011133	2023-03-20	0.03	1.02	2	32	0.08	1.25	30.08	0.04
1429013391	2023-03-22	0.84	0.22	67	7	9.78	62.10	2.96	20.98
1429013273	2023-03-22	1.50	0.44	120	14	8.73	116.00	6.05	19.17
1429013171	2023-03-22	1.65	0.46	132	14	9.19	133.00	8.98	14.81
1430022064	2023-03-22	2.44	0.75	195	23	8.34	147.00	14.05	10.46
1429013177	2023-03-22	0.69	0.50	55	16	3.54	95.70	10.98	8.72
1429013268	2023-03-22	0.65	0.34	52	11	4.90	50.00	5.98	8.36
1430022119	2023-03-22	2.15	1.18	172	37	4.67	151.00	22.66	6.66
1429013006	2023-03-22	0.85	0.53	68	17	4.11	68.90	10.71	6.43
1429013223	2023-03-22	2.09	0.57	167	18	9.39	62.90	11.68	5.39
1430022074	2023-03-22	1.90	1.09	152	34	4.47	137.00	26.15	5.24
1429013125	2023-03-22	0.89	0.53	71	17	4.30	65.90	12.58	5.24
1429013106	2023-03-22	0.52	0.45	42	14	2.96	38.90	8.21	4.74
1430022922	2023-03-22	0.56	0.55	45	17	2.61	40.60	13.51	3.01
1429013377	2023-03-22	2.33	0.77	187	24	7.75	34.40	13.61	2.53
1429013032	2023-03-22	1.06	0.95	85	30	2.86	54.70	25.71	2.13
1429013026	2023-03-22	1.37	1.15	110	36	3.05	65.80	34.01	1.93
1429013123	2023-03-22	1.15	1.07	92	33	2.75	78.40	40.77	1.92
1429013409	2023-03-22	0.78	1.13	62	35	1.77	51.40	27.52	1.87
1429013348	2023-03-22	0.96	1.31	77	41	1.88	68.50	37.40	1.83
1429013201	2023-03-22	0.50	0.68	40	21	1.88	28.90	16.63	1.74
1430022067	2023-03-22	1.61	2.55	129	80	1.62	95.70	58.81	1.63
1429013033	2023-03-22	0.93	1.22	74	38	1.95	60.20	37.91	1.59
1429013040	2023-03-22	0.63	0.66	50	21	2.45	44.70	30.64	1.46
1430022096	2023-03-22	1.66	6.36	133	199	0.67	121.00	145.14	0.83
1429013303	2023-03-22	0.32	2.00	26	63	0.41	23.10	60.46	0.38
1429013248	2023-03-22	0.16	1.92	13	60	0.21	12.30	58.05	0.21
1430022836	2023-03-24	1.53	0.24	122	8	16.33	116.00	1.00	116.00
1430022819	2023-03-24	1.56	0.36	125	11	11.10	115.00	4.42	26.02
1430022356	2023-03-24	1.56	0.36	125	11	11.10	114.00	4.99	22.85
1430034600	2023-03-24	2.83	0.86	227	27	8.43	201.00	19.76	10.17
1430034666	2023-03-24	2.87	0.60	230	19	12.26	85.70	9.55	8.97
1430034676	2023-03-24	1.63	0.46	131	14	9.08	75.00	8.47	8.85
1430034609	2023-03-24	1.51	0.65	121	20	5.95	94.80	13.14	7.21
1430022800	2023-03-24	1.47	0.88	118	28	4.28	109.00	17.41	6.26
1430034626	2023-03-24	1.82	0.88	146	28	5.30	84.40	20.62	4.09
1430034690	2023-03-24	1.47	0.80	118	25	4.71	76.40	19.47	3.92
1430022350	2023-03-24	1.65	1.14	132	36	3.71	96.60	25.59	3.77
1429002009	2023-03-24	1.24	0.93	99	29	3.42	85.50	23.31	3.67
1430022842	2023-03-24	1.85	1.28	148	40	3.70	98.90	30.10	3.29
1429002237	2023-03-24	1.09	0.97	87	30	2.88	71.80	24.50	2.93
1429002061	2023-03-24	1.01	1.00	81	31	2.59	70.90	26.90	2.64
1429002224	2023-03-24	1.25	3.52	100	110	0.91	222.00	85.25	2.60
1430034618	2023-03-24	1.51	1.21	121	38	3.20	59.50	27.44	2.17
1429002118	2023-03-24	0.47	0.82	38	26	1.47	37.60	22.96	1.64
1429002233	2023-03-24	1.57	2.46	126	77	1.64	109.00	68.22	1.60
1429002156	2023-03-24	1.50	2.62	120	82	1.47	109.00	70.12	1.55
1430034732	2023-03-24	2.18	2.70	175	84	2.07	83.70	58.71	1.43
1430034746	2023-03-24	1.77	2.22	142	69	2.04	82.20	60.53	1.36
1429002047	2023-03-24	1.53	2.80	122	88	1.40	101.00	76.70	1.32
1429002012	2023-03-24	1.14	1.32	91	41	2.21	48.20	37.15	1.30
1429002131	2023-03-24	1.44	2.98	115	93	1.24	106.00	88.24	1.20
1429002200	2023-03-24	0.94	2.59	75	81	0.93	70.80	69.66	1.02
1430034642	2023-03-24	1.54	2.66	123	83	1.48	68.50	69.64	0.98
1429002032	2023-03-24	1.02	3.64	82	114	0.72	82.10	85.37	0.96
1429002076	2023-03-24	1.26	4.19	101	131	0.77	90.40	103.75	0.87
1429002256	2023-03-24	1.73	6.84	139	214	0.65	122.00	151.02	0.81
1430034651	2023-03-24	1.99	5.78	159	181	0.88	83.70	118.68	0.71
1430034710	2023-03-24	1.16	5.37	93	168	0.55	65.30	126.43	0.52
1430022656	2023-03-25	1.98	0.53	159	17	9.57	107.00	8.02	13.34
1430022616	2023-03-25	1.88	0.84	151	26	5.73	138.00	14.74	9.36
1430022615	2023-03-25	1.84	0.89	147	28	5.30	142.00	15.50	9.16
1430022640	2023-03-25	1.35	0.93	108	29	3.72	106.00	20.64	5.14
1430035178	2023-03-27	1.98	1.16	159	36	4.37	108.00	20.66	5.23
1430035164	2023-03-27	1.73	1.12	139	35	3.96	111.00	23.78	4.67
1430035250	2023-03-27	2.36	1.42	189	44	4.26	101.00	27.43	3.68
1430035016	2023-03-27	1.51	1.21	121	38	3.20	96.60	28.07	3.44
1430035188	2023-03-27	1.45	1.39	116	43	2.67	85.90	28.07	3.06
1430035143	2023-03-27	0.82	1.14	66	36	1.84	62.70	28.81	2.18
1430035166	2023-03-27	2.09	1.01	167	32	5.30	135.00	70.03	1.93
1430035019	2023-03-27	1.36	2.46	109	77	1.42	94.90	61.06	1.55
1430035031	2023-03-27	1.14	2.50	91	78	1.17	78.40	61.75	1.27
1430035148	2023-03-27	1.27	2.87	102	90	1.13	85.60	71.35	1.20
1430035135	2023-03-27	0.67	1.48	54	46	1.16	47.10	39.57	1.19
1430035230	2023-03-27	1.14	2.90	91	91	1.01	78.10	68.70	1.14

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
1430035122	2023-03-27	1.37	3.77	110	118	0.93	84.10	92.03	0.91
1430035218	2023-03-27	0.44	1.29	35	40	0.87	28.40	31.44	0.90
1430033014	2023-03-29	1.32	3.26	106	102	1.04	78.50	2.21	35.52
1430033095	2023-03-29	1.84	0.63	147	20	7.48	133.00	11.51	11.56
1430033100	2023-03-29	1.35	2.02	108	63	1.71	98.40	52.30	1.88
1430033104	2023-03-29	1.46	2.62	117	82	1.43	105.00	65.58	1.60
1316041027	2023-03-29	0.24	0.93	19	29	0.66	36.90	25.74	1.43
1430033140	2023-03-29	1.12	3.18	90	99	0.90	82.30	68.59	1.20
1316041060	2023-03-29	0.62	1.80	50	56	0.88	45.80	48.41	0.95
1430033067	2023-03-29	0.68	2.01	54	63	0.87	45.60	54.81	0.83
1430033001	2023-03-29	0.76	3.33	61	104	0.58	30.70	49.86	0.62
1316041077	2023-03-29	0.45	1.97	36	62	0.59	32.10	54.39	0.59
1316041043	2023-03-29	0.25	1.47	20	46	0.44	18.20	43.86	0.41
1316041011	2023-03-29	0.25	1.53	20	48	0.42	14.90	41.52	0.36
1429002613	2023-03-30	1.76	2.46	141	77	1.83	125.00	54.89	2.28
1430037757	2023-03-31	1.43	0.09	114	3	40.71	99.40	0.16	641.29
1430037070	2023-03-31	1.50	0.16	120	5	24.02	105.00	0.34	308.82
1430037764	2023-03-31	1.85	0.24	148	8	19.75	147.00	1.52	96.71
1430037765	2023-03-31	1.43	0.27	114	8	13.57	109.00	2.36	46.19
1430037055	2023-03-31	0.85	0.29	68	9	7.51	68.50	3.55	19.30
1430037394	2023-03-31	0.83	0.54	66	17	3.94	63.70	12.00	5.31
1430037347	2023-03-31	2.21	1.51	177	47	3.75	98.10	34.57	2.84
1430037038	2023-03-31	1.73	2.23	139	70	1.99	96.90	41.09	2.36
1430037389	2023-03-31	0.66	0.91	53	28	1.86	48.10	23.23	2.07
1429023068	2023-03-31	0.97	1.56	78	49	1.59	69.40	42.72	1.62
1429023065	2023-03-31	1.07	2.02	86	63	1.36	71.70	53.89	1.33
1429023038	2023-03-31	1.05	2.11	84	66	1.27	74.40	58.56	1.27
1429023027	2023-03-31	0.76	1.94	61	61	1.00	53.20	61.77	0.86
1314013005	2023-04-02	0.29	1.93	23	60	0.38	22.70	58.34	0.39
1429012312	2023-04-05	1.33	1.23	106	38	2.77	101.00	35.19	2.87
1429012257	2023-04-05	1.28	1.08	102	34	3.04	65.40	29.67	2.20
1429012018	2023-04-05	2.23	3.70	179	116	1.54	157.00	85.55	1.84
1429014002	2023-04-05	0.77	1.01	62	32	1.95	55.50	32.48	1.71
1429014004	2023-04-05	0.69	1.10	55	34	1.61	53.10	35.84	1.48
1429012307	2023-04-05	1.51	3.57	121	112	1.08	110.00	92.82	1.19
1429012185	2023-04-05	1.19	2.60	95	81	1.17	81.00	70.99	1.14
1429027007	2023-04-06	1.07	1.48	86	46	1.85	74.40	42.39	1.76
1429027075	2023-04-06	0.11	0.27	9	8	1.04	8.24	5.19	1.59
1429027002	2023-04-06	1.19	2.10	95	66	1.45	76.50	60.03	1.27
1429027159	2023-04-06	0.32	0.90	26	28	0.91	25.10	35.90	0.70
1429027133	2023-04-06	0.06	0.27	5	8	0.57	5.04	7.36	0.68
1316042033	2023-04-07	0.57	1.78	46	56	0.82	34.20	53.56	0.64
1316042011	2023-04-07	0.44	2.04	35	64	0.55	35.90	58.63	0.61
1316042059	2023-04-07	0.14	1.61	11	50	0.22	16.80	46.07	0.36
1316042058	2023-04-07	0.30	1.91	24	60	0.40	16.90	54.01	0.31
1429018155	2023-04-08	1.55	1.84	124	58	2.16	93.90	59.79	1.57
1429018602	2023-04-08	1.17	1.67	94	52	1.79	68.80	49.45	1.39
1429018054	2023-04-08	1.65	1.70	132	53	2.49	63.60	49.00	1.30
1429018574	2023-04-08	0.96	1.71	77	53	1.44	58.80	48.90	1.20
1429018600	2023-04-08	1.49	2.42	119	76	1.58	71.90	64.48	1.12
1429018615	2023-04-08	1.92	4.08	154	128	1.21	94.80	89.05	1.06
1429018086	2023-04-08	1.59	2.52	127	79	1.62	74.50	72.25	1.03
1429018533	2023-04-08	1.80	4.71	144	147	0.98	106.00	111.39	0.95
1429018471	2023-04-08	1.91	5.36	153	168	0.91	104.00	120.25	0.86
1429018017	2023-04-08	1.64	4.26	131	133	0.99	85.40	119.49	0.71
1429018310	2023-04-08	2.15	5.78	172	181	0.95	70.00	118.49	0.59
1429018165	2023-04-08	1.75	5.30	140	166	0.85	69.00	122.03	0.57
1429018552	2023-04-08	0.67	1.63	54	51	1.05	24.00	48.90	0.49
1429017824	2023-04-09	0.85	1.35	68	42	1.61	55.00	40.25	1.37
1429017398	2023-04-09	0.80	1.39	64	43	1.47	51.20	37.82	1.35
1429017450	2023-04-09	0.57	0.97	46	30	1.51	36.00	28.22	1.28
1429017808	2023-04-09	1.15	2.06	92	64	1.43	66.20	56.12	1.18
1429017682	2023-04-09	0.69	1.20	55	38	1.47	43.70	38.94	1.12
1429017113	2023-04-09	1.26	1.60	101	50	2.02	46.30	43.40	1.07
1429017220	2023-04-09	0.77	1.74	62	54	1.13	50.50	49.44	1.02
1429017909	2023-04-09	0.94	2.16	75	68	1.11	61.20	64.69	0.95
1429017388	2023-04-09	0.65	1.53	52	48	1.09	36.80	42.05	0.88
1429017644	2023-04-09	0.57	1.75	46	55	0.83	38.70	52.22	0.74
1429017138	2023-04-09	0.79	1.96	63	61	1.03	36.80	59.04	0.62
1429017406	2023-04-09	0.40	1.26	32	39	0.81	20.00	35.20	0.57
1429017001	2023-04-09	1.05	1.68	84	53	1.60	29.40	51.94	0.57
1429017127	2023-04-09	0.89	1.83	71	57	1.25	24.30	55.90	0.43
1429017049	2023-04-09	0.40	1.40	32	44	0.73	18.20	45.02	0.40
1429017117	2023-04-09	1.00	1.95	80	61	1.31	24.30	65.19	0.37
1429017174	2023-04-09	0.31	1.11	25	35	0.72	12.00	34.78	0.35
1429017462	2023-04-09	0.27	1.26	22	39	0.55	10.70	33.57	0.32
1429017842	2023-04-09	0.20	1.27	16	40	0.40	11.60	40.01	0.29
1429017522	2023-04-09	0.13	1.05	10	33	0.32	8.53	31.94	0.27
1429017524	2023-04-09	0.18	1.27	14	40	0.36	9.08	36.36	0.25
1429017294	2023-04-09	0.08	1.12	6	35	0.18	5.49	33.59	0.16
1429017687	2023-04-09	0.11	1.13	9	35	0.25	4.65	37.59	0.12
1429017660	2023-04-09	0.13	1.17	10	37	0.28	3.91	34.66	0.11
1429017176	2023-04-09	0.05	1.33	4	42	0.10	1.99	41.81	0.05
1429027214	2023-04-12	1.32	1.45	106	45	2.33	58.10	41.91	1.39
1315019055	2023-04-15	0.41	0.93	33	29	1.13	29.80	24.31	1.23
142800117	2023-04-15	0.72	1.76	58	55	1.05	51.30	47.70	1.08
1315019632	2023-04-15	0.56	1.40	45	44	1.02	36.70	39.19	0.94
142800113	2023-04-15	1.67	3.66	134	114	1.17	73.70	79.28	0.93
1315019017	2023-04-15	0.06	0.98	5	31	0.16	26.30	29.06	0.91
1315019002	2023-04-15	0.53	1.54	42	48	0.88	36.80	44.87	0.82
1315019664	2023-04-15	0.32	0.77	26	24	1.06	16.40	20.86	0.79
142800127	2023-04-15	1.00	3.04	80	95	0.84	58.60	84.32	0.69
1315019039	2023-04-15	0.24	1.04	19	33	0.59	16.90	27.00	0.63
1315019029	2023-04-15	0.14	0.98	11	31	0.37	13.60	27.47	0.50
1315019108	2023-04-15	0.28	1.41	22	44	0.51	10.40	43.78	0.24
1315020034	2023-04-18	0.38	1.56	30	49	0.62	28.90	39.17	0.74
1315020059	2023-04-18	0.32	1.38	26	43	0.59	23.30	41.67	0.56
1315020212	2023-04-18	0.20	1.47	16	46	0.35	21.00	38.78	0.54
1315020110	2023-04-18	0.26	1.45	21	45	0.46	23.80	44.30	0.54
1315020026	2023-04-18	0.35	1.83	28	57	0.49	26.40	49.46	0.53
1315020002	2023-04-18	0.23	1.34	18	42	0.44	18.90	37.50	0.50
1315020052	2023-04-18	0.38	2.24	30	70	0.43	29.40	63.15	0.47
1315020091	2023-04-18	0.33	2.34	26	73	0.36	27.70	70.25	0.39
1315020107	2023-04-18	0.29	2.43	23	76	0.31	20.80	62.36	0.33
1315020083	2023-04-18	0.31	2.01	25	63	0.40	18.10	57.03	0.32
1429033705	2023-04-21	0.90	0.12	72	4	19.22	46.80	0.16	301.94

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
1429028001	2023-04-21	3.06	0.23	245	7	34.09	172.00	1.56	110.26
1429033695	2023-04-21	0.85	2.30	68	72	0.95	185.00	10.26	18.03
1429028152	2023-04-21	1.99	0.59	159	18	8.64	156.00	11.02	14.16
1429033101	2023-04-21	1.52	0.40	122	13	9.74	106.00	8.20	12.93
1429028021	2023-04-21	1.76	0.54	141	17	8.35	87.50	9.76	8.97
1429033649	2023-04-21	0.98	0.66	78	21	3.80	68.40	13.74	4.98
1429033008	2023-04-21	0.54	0.41	43	13	3.37	33.40	7.19	4.65
1429028377	2023-04-21	0.97	0.78	78	24	3.19	64.60	20.15	3.21
1429028099	2023-04-21	1.61	1.15	129	36	3.59	90.30	28.48	3.17
1429033191	2023-04-21	0.50	0.48	40	15	2.67	31.20	10.06	3.10
1429028076	2023-04-21	0.82	0.86	66	27	2.44	58.00	18.91	3.07
1429028012	2023-04-21	0.88	0.95	70	30	2.37	66.60	21.83	3.05
1429033612	2023-04-21	1.17	1.01	94	32	2.97	66.60	23.76	2.80
1429028347	2023-04-21	1.17	1.37	94	43	2.19	85.60	35.70	2.40
1429028041	2023-04-21	0.63	0.74	50	23	2.18	47.80	20.71	2.31
1429028361	2023-04-21	1.20	1.66	96	52	1.85	77.60	45.92	1.69
1429028233	2023-04-21	0.72	1.03	58	32	1.79	47.70	28.34	1.68
1429028145	2023-04-21	1.09	1.41	87	44	1.98	63.70	40.44	1.58
1429033200	2023-04-21	1.28	1.51	102	47	2.17	67.40	44.29	1.52
1429028357	2023-04-21	0.69	0.92	55	29	1.92	43.70	29.59	1.48
1429028273	2023-04-21	0.65	1.07	52	33	1.56	49.00	33.63	1.46
1429028358	2023-04-21	0.44	0.69	35	22	1.63	27.40	19.16	1.43
1429028310	2023-04-21	0.80	1.50	64	47	1.37	55.30	41.33	1.34
1429028257	2023-04-21	1.01	2.05	81	64	1.26	68.90	57.22	1.20
1429033212	2023-04-21	0.55	1.40	44	44	1.01	39.30	39.44	1.00
1429033178	2023-04-21	0.83	1.63	66	51	1.30	49.30	50.07	0.98
1429033095	2023-04-21	2.55	0.66	204	21	9.90	57.00	63.12	0.90
1429033122	2023-04-21	0.88	2.11	70	66	1.07	57.30	65.22	0.88
1429033085	2023-04-21	1.07	1.84	86	58	1.49	42.70	53.86	0.79
1429028025	2023-04-21	0.93	2.94	74	92	0.81	61.70	81.38	0.76
1429028200	2023-04-21	0.67	2.03	54	63	0.85	43.60	59.18	0.74
1429028245	2023-04-21	0.71	1.47	57	46	1.24	23.40	38.96	0.60
1429033057	2023-04-21	0.47	1.60	38	50	0.75	20.40	48.34	0.42
1429033056	2023-04-21	0.35	1.75	28	55	0.51	19.00	53.39	0.36
1429033155	2023-04-21	0.28	2.14	22	67	0.34	14.40	65.99	0.22
1429016904	2023-04-23	1.19	0.40	95	13	7.62	72.30	7.30	9.90
1429016803	2023-04-23	1.39	0.50	111	16	7.12	64.00	11.70	5.47
1429016807	2023-04-23	1.18	0.52	94	16	5.81	64.40	11.92	5.40
1429016827	2023-04-23	0.98	0.68	78	21	3.69	64.60	14.06	4.59
1429016218	2023-04-23	0.47	0.29	38	9	4.15	28.90	6.75	4.28
1429016281	2023-04-23	0.94	0.78	75	24	3.09	72.50	18.65	3.89
1429016284	2023-04-23	0.68	0.47	54	15	3.71	43.80	11.35	3.86
1429016021	2023-04-23	1.85	1.38	148	43	3.43	137.00	38.75	3.54
1429016024	2023-04-23	1.29	1.15	103	36	2.87	86.40	31.97	2.70
1429016198	2023-04-23	0.76	1.08	61	34	1.80	58.40	29.23	2.00
1429016068	2023-04-23	1.39	1.61	111	50	2.21	77.90	45.04	1.73
1429016207	2023-04-23	0.66	1.30	53	41	1.30	45.90	37.05	1.24
1429016196	2023-04-23	2.19	5.66	175	177	0.99	161.00	132.07	1.22
1429016047	2023-04-23	2.47	5.90	198	184	1.07	153.00	138.91	1.10
1429016172	2023-04-23	1.58	3.18	127	99	1.27	99.50	90.42	1.10
1429016195	2023-04-23	1.60	5.93	128	185	0.69	119.00	140.01	0.85
1429016180	2023-04-23	1.50	4.07	120	127	0.94	84.40	103.94	0.81
1429016080	2023-04-23	2.46	6.37	197	199	0.99	103.00	132.14	0.78
1429016186	2023-04-23	0.45	1.34	36	42	0.86	88.30	146.36	0.60
1429016109	2023-04-23	1.64	7.26	131	227	0.58	99.60	170.31	0.58
1429019077	2023-04-24	1.20	0.49	96	15	6.27	96.30	9.88	9.75
1429019260	2023-04-24	1.87	0.78	150	24	6.14	141.00	16.73	8.43
1429019327	2023-04-24	2.27	0.85	182	27	6.84	139.00	18.46	7.53
1429019257	2023-04-24	1.35	1.18	108	37	2.93	106.00	29.85	3.55
1429019128	2023-04-24	1.79	1.48	143	46	3.10	129.00	37.43	3.45
1429019714	2023-04-24	2.43	3.09	195	97	2.01	170.00	73.37	2.32
1429019724	2023-04-24	1.72	2.08	138	65	2.12	115.00	52.50	2.19
1429019922	2023-04-24	2.21	2.55	177	80	2.22	142.00	66.83	2.12
1429019117	2023-04-24	1.39	2.38	111	74	1.50	100.00	62.19	1.61
1429019920	2023-04-24	1.82	3.38	146	106	1.38	123.00	81.29	1.51
1429029029	2023-04-26	2.49	0.98	199	31	6.51	173.00	24.07	7.19
1429029038	2023-04-26	2.15	1.02	172	32	5.40	156.00	26.27	5.94
1429029632	2023-04-26	1.30	0.68	104	21	4.90	83.90	15.04	5.58
1429029612	2023-04-26	2.68	1.10	215	34	6.24	138.00	25.08	5.50
1429029920	2023-04-26	2.71	1.39	217	43	5.00	160.00	30.57	5.23
1429029636	2023-04-26	1.52	1.01	122	32	3.86	80.00	25.89	3.09
1429029136	2023-04-26	2.29	1.64	183	51	3.58	84.70	41.56	2.04
1429029096	2023-04-26	2.62	3.07	210	96	2.19	130.00	71.16	1.83
1429029668	2023-04-26	1.35	2.79	108	87	1.24	66.00	74.96	0.88
1429029063	2023-04-26	1.48	3.73	118	117	1.02	76.70	97.53	0.79
1429029669	2023-04-26	0.54	4.60	43	144	0.30	42.60	130.47	0.33
1429019511	2023-04-29	1.49	1.03	119	32	3.71	107.00	22.75	4.70
1429019522	2023-04-29	1.72	1.16	138	36	3.80	107.00	30.23	3.54
1314015002	2023-04-29	0.79	1.69	63	53	1.20	36.40	44.65	0.82
1429030004	2023-05-01	2.26	1.03	181	32	5.62	128.00	23.34	5.48
1429030601	2023-05-01	2.47	1.14	198	36	5.55	130.00	26.62	4.88
1429030608	2023-05-01	2.58	1.28	207	40	5.16	142.00	32.72	4.34
1429030609	2023-05-01	2.74	1.48	219	46	4.74	134.00	32.53	4.12
1429030645	2023-05-01	0.92	0.90	74	28	2.62	65.30	24.99	2.61
1429030039	2023-05-01	1.09	1.54	87	48	1.81	71.50	44.27	1.62
1429030624	2023-05-01	1.88	2.82	151	88	1.71	123.00	77.23	1.59
1429030104	2023-05-01	0.78	1.37	62	43	1.46	52.80	40.17	1.31
1429030051	2023-05-01	1.59	4.12	127	129	0.99	84.70	114.67	0.74
1429030081	2023-05-01	1.27	4.43	102	138	0.73	74.20	111.98	0.66
1429021249	2023-05-02	1.84	0.15	147	5	31.43	121.00	1.55	78.06
1429021013	2023-05-02	1.15	0.47	92	15	6.27	74.70	11.22	6.66
1429021229	2023-05-02	2.06	1.05	165	33	5.03	118.00	20.01	5.90
1429021236	2023-05-02	0.83	0.71	66	22	3.00	59.60	18.25	3.27
1429021286	2023-05-02	1.32	1.13	106	35	2.99	91.00	30.34	3.00
1429021303	2023-05-02	1.57	1.36	126	43	2.96	62.30	29.60	2.10
1429021155	2023-05-02	1.67	2.18	134	68	1.96	117.00	65.08	1.80
1429021037	2023-05-02	1.35	2.18	108	68	1.59	87.40	57.43	1.52
1429021137	2023-05-02	1.94	3.73	155	117	1.33	126.00	86.75	1.45
1429021027	2023-05-02	2.11	4.06	169	127	1.33	139.00	100.45	1.38
1429021179	2023-05-02	1.11	2.09	89	65	1.36	74.00	57.53	1.29
1429021243	2023-05-02	2.27	2.49	182	78	2.34	74.90	61.18	1.22
1429021080	2023-05-02	0.70	1.50	56	47	1.20	49.30	41.34	1.19
1429021076	2023-05-02	0.38	1.32	30	41	0.74	25.90	36.96	0.70
1429021104	2023-05-02	1.33	7.88	106	246	0.43	81.70	198.46	0.41
1429022090	2023-05-05	1.87	0.21	150	7	22.81	135.00	1.03	131.07
1429022016	2023-05-05	2.16	0.14	173	4	39.53	152.00	1.19	127.73

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
1429022122	2023-05-05	1.96	0.18	157	6	27.90	140.00	2.67	52.43
1429022068	2023-05-05	1.87	0.26	150	8	18.43	141.00	3.25	43.38
1429022140	2023-05-05	1.82	0.45	146	14	10.36	125.00	4.27	29.27
1429022620	2023-05-05	1.77	0.32	142	10	14.17	128.00	4.50	28.44
1429022110	2023-05-05	1.64	0.47	131	15	8.94	112.00	9.19	12.19
1429022062	2023-05-05	1.97	0.69	158	22	7.31	152.00	13.84	10.98
1429022114	2023-05-05	2.33	3.47	187	108	1.72	168.00	80.96	2.08
1429022002	2023-05-05	1.71	3.53	137	110	1.24	65.90	85.82	0.77
1315035010	2023-05-06	0.24	0.92	19	29	0.67	26.70	26.32	1.01
1429031039	2023-05-07	0.91	0.81	73	25	2.88	61.30	20.59	2.98
1429031004	2023-05-07	0.75	0.73	60	23	2.63	49.30	17.55	2.81
1429031049	2023-05-07	1.43	2.00	114	63	1.83	110.00	52.80	2.08
1429031623	2023-05-07	1.47	1.93	118	60	1.95	93.50	48.90	1.91
1429031021	2023-05-07	1.10	1.91	88	60	1.48	85.10	52.52	1.62
1429031613	2023-05-07	1.20	2.75	96	86	1.12	102.00	69.13	1.48
1429031060	2023-05-07	0.83	1.89	66	59	1.13	54.50	49.89	1.09
1429031619	2023-05-07	0.57	1.85	46	58	0.79	40.70	53.08	0.77
1315022010	2023-05-07	0.69	2.24	55	70	0.79	45.30	63.73	0.71
1315022065	2023-05-07	0.50	2.27	40	71	0.56	40.10	66.11	0.61
1315022136	2023-05-07	0.09	1.37	7	43	0.17	9.97	38.73	0.26
1315022146	2023-05-07	0.15	1.28	12	40	0.30	8.22	38.65	0.21
1315022104	2023-05-07	0.09	2.19	7	68	0.11	8.73	63.81	0.14
1315022132	2023-05-07	0.12	1.76	10	55	0.17	4.98	52.71	0.09
1428008172	2023-05-08	1.25	1.02	100	32	3.14	97.30	26.77	3.63
1428008038	2023-05-08	0.60	0.53	48	17	2.90	43.80	14.53	3.01
1427003002	2023-05-11	0.72	1.83	58	57	1.01	53.10	48.92	1.09
1427001015	2023-05-11	1.30	3.60	104	113	0.93	93.30	100.18	0.93
1428010232	2023-05-14	0.48	0.29	38	9	4.24	37.50	5.87	6.39
1428010200	2023-05-14	1.06	0.96	85	30	2.83	87.60	22.00	3.98
1428010062	2023-05-14	0.67	0.64	54	20	2.68	66.10	17.12	3.86
1428010066	2023-05-14	1.05	1.19	84	37	2.26	67.20	34.12	1.97
1428010035	2023-05-14	0.93	1.13	74	35	2.11	59.30	30.44	1.95
1428010043	2023-05-14	1.15	1.30	92	41	2.27	49.20	38.20	1.29
1428010077	2023-05-14	0.45	1.09	36	34	1.06	28.20	31.68	0.89
1428004640	2023-05-15	1.47	1.84	118	58	2.05	106.00	51.05	2.08
1428004004	2023-05-15	1.50	1.88	120	59	2.04	97.10	50.62	1.92
1428004047	2023-05-15	1.85	3.48	148	109	1.36	141.00	88.55	1.59
1428004136	2023-05-15	1.66	3.44	133	108	1.24	126.00	79.72	1.58
1428004145	2023-05-15	1.50	3.39	120	106	1.13	105.00	81.97	1.28
1428004131	2023-05-15	1.54	3.08	123	96	1.28	107.00	83.86	1.28
1428004204	2023-05-15	1.38	5.54	110	173	0.64	127.00	124.25	1.02
1428004099	2023-05-15	1.57	3.62	126	113	1.11	82.00	85.53	0.96
1428004612	2023-05-15	1.97	6.45	158	202	0.78	140.00	152.52	0.92
1428004133	2023-05-15	1.70	5.53	136	173	0.79	108.00	124.18	0.87
1428004056	2023-05-15	1.74	4.60	139	144	0.97	99.80	116.44	0.86
1315098046	2023-05-15	0.27	1.28	22	40	0.54	27.70	36.51	0.76
1428004122	2023-05-15	1.46	4.81	117	150	0.78	91.40	120.80	0.76
1428004169	2023-05-15	1.94	4.98	155	156	1.00	96.60	134.18	0.72
1428004166	2023-05-15	1.44	6.90	115	216	0.53	75.60	174.64	0.43
1428004059	2023-05-15	1.25	6.51	100	203	0.49	64.00	170.95	0.37
1315098121	2023-05-15	0.21	2.59	17	81	0.21	14.50	69.69	0.21
1428010708	2023-05-16	0.40	1.32	32	41	0.78	22.60	40.00	0.57
1428016170	2023-05-17	1.35	1.51	108	47	2.29	100.00	40.60	2.46
1428016002	2023-05-17	0.81	0.89	65	28	2.33	53.50	26.01	2.06
1428016278	2023-05-17	1.67	5.32	134	166	0.80	134.00	115.20	1.16
1428016167	2023-05-17	1.45	2.99	116	93	1.24	89.30	79.87	1.12
1428016166	2023-05-17	1.40	3.67	112	115	0.98	95.80	97.10	0.99
1428016092	2023-05-17	1.93	6.12	155	191	0.81	116.00	132.35	0.88
1428016061	2023-05-17	1.76	6.51	141	203	0.69	115.00	149.62	0.77
1428016033	2023-05-17	1.50	6.51	120	203	0.59	95.90	145.01	0.66
1428016005	2023-05-17	1.41	6.81	113	213	0.53	92.30	157.02	0.59
1428016094	2023-05-17	1.50	7.84	120	245	0.49	82.00	182.37	0.45
1428013053	2023-05-19	1.18	1.28	94	40	2.36	75.80	36.48	2.08
1428013211	2023-05-19	1.26	1.46	101	46	2.21	89.40	43.08	2.08
1428013232	2023-05-19	1.20	1.57	96	49	1.96	87.90	44.20	1.99
1428013304	2023-05-19	1.04	1.30	83	41	2.05	67.70	34.47	1.96
1428013153	2023-05-19	1.05	1.67	84	52	1.61	73.10	46.80	1.56
1428013091	2023-05-19	1.06	1.65	85	52	1.65	74.20	47.52	1.56
1428013154	2023-05-19	1.02	1.61	82	50	1.62	66.70	44.75	1.49
1428013028	2023-05-19	1.14	1.21	91	38	2.41	50.90	34.71	1.47
1428013093	2023-05-19	0.70	1.14	56	36	1.57	41.70	31.30	1.33
1428013066	2023-05-19	0.86	1.60	69	50	1.38	58.00	46.30	1.25
1428013228	2023-05-19	0.99	2.12	79	66	1.20	69.80	55.73	1.25
1428013205	2023-05-19	1.23	2.09	98	65	1.51	71.60	58.33	1.23
1428013318	2023-05-19	0.44	1.33	35	42	0.85	30.60	35.68	0.86
1428013039	2023-05-19	0.07	0.48	6	15	0.37	5.00	13.50	0.37
1428013018	2023-05-19	0.43	1.87	34	58	0.59	15.50	53.86	0.29
1428016513	2023-05-21	1.70	2.00	136	63	2.18	113.00	52.76	2.14
1428016551	2023-05-21	1.83	2.43	147	76	1.93	103.00	60.69	1.70
1315026072	2023-05-21	0.56	1.23	45	38	1.17	41.70	34.90	1.19
1315026645	2023-05-21	0.31	0.76	25	24	1.05	25.20	21.13	1.19
1428016568	2023-05-21	1.32	2.66	106	83	1.27	82.50	71.12	1.16
1315026637	2023-05-21	0.41	0.88	33	28	1.19	26.50	25.31	1.05
1315026008	2023-05-21	0.36	0.99	29	31	0.93	27.40	27.13	1.01
1428016501	2023-05-21	1.31	3.05	105	95	1.10	71.10	83.35	0.85
1315026076	2023-05-21	0.38	1.91	30	60	0.51	25.90	54.10	0.48
1428021094	2023-05-22	1.87	1.09	150	34	4.40	142.00	25.44	5.58
1428021010	2023-05-22	2.23	1.30	179	41	4.39	152.00	32.95	4.61
1428021095	2023-05-22	0.88	1.39	70	43	1.62	56.80	37.38	1.52
1428021007	2023-05-22	1.61	1.44	129	45	2.86	54.50	36.90	1.48
1428021063	2023-05-22	1.63	3.06	131	96	1.36	116.00	80.47	1.44
1428021060	2023-05-22	1.58	3.30	127	103	1.23	108.00	76.04	1.42
1428017089	2023-05-24	2.03	1.97	163	62	2.64	149.00	45.81	3.25
1428017068	2023-05-24	1.87	4.01	150	125	1.19	175.00	101.27	1.73
1428017031	2023-05-24	1.52	2.69	122	84	1.45	108.00	67.76	1.59
1428017041	2023-05-24	1.84	3.46	147	108	1.36	127.00	85.65	1.48
1315098176	2023-05-24	0.51	1.40	41	44	0.93	43.50	36.93	1.18
1315098233	2023-05-24	0.54	2.08	43	65	0.67	40.10	59.75	0.67
1315098205	2023-05-24	0.37	1.81	30	57	0.52	23.70	52.03	0.46
1315098281	2023-05-24	0.36	2.07	29	65	0.45	25.00	57.68	0.43
1315098273	2023-05-24	0.20	1.93	16	60	0.27	8.48	58.34	0.15
1315098324	2023-05-24	0.16	2.60	13	81	0.16	8.99	73.95	0.12
1315098236	2023-05-24	0.10	3.73	8	117	0.07	2.98	106.48	0.03
1315098507	2023-05-26	0.62	1.71	50	53	0.93	44.60	48.97	0.91
1315098503	2023-05-26	0.26	1.91	21	60	0.35	19.70	50.64	0.39
1315098432	2023-05-26	0.18	1.85	14	58	0.25	15.20	51.80	0.29

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
1428014422	2023-05-27	0.90	1.37	72	43	1.68	64.00	39.40	1.62
1428014417	2023-05-27	0.92	1.60	74	50	1.47	66.70	44.70	1.49
1428014158	2023-05-27	0.90	1.87	72	58	1.23	65.40	52.63	1.24
1428014426	2023-05-27	0.98	2.22	78	69	1.13	73.60	60.92	1.21
1428014431	2023-05-27	0.93	2.13	74	67	1.12	70.70	61.93	1.14
1428014182	2023-05-27	0.93	2.09	74	65	1.14	68.90	60.41	1.14
1428014149	2023-05-27	0.64	1.88	51	59	0.87	51.80	55.02	0.94
1428014434	2023-05-27	0.58	2.03	46	63	0.73	44.90	56.34	0.80
1428014152	2023-05-27	0.42	1.73	34	54	0.62	34.60	52.87	0.65
1428014135	2023-05-27	0.30	1.24	24	39	0.62	21.70	36.03	0.60
1428014020	2023-05-27	0.50	1.51	40	47	0.85	24.70	42.02	0.59
1428014195	2023-05-27	0.64	1.66	51	52	0.99	18.40	47.07	0.39
1428011900	2023-05-28	0.73	0.57	58	18	3.28	55.80	15.09	3.70
1428011064	2023-05-28	1.40	1.31	112	41	2.74	94.80	34.52	2.75
1428011009	2023-05-28	0.64	1.11	51	35	1.48	70.30	31.74	2.21
1428011096	2023-05-28	1.18	1.40	94	44	2.16	81.30	38.71	2.10
1428011572	2023-05-28	0.48	0.51	38	16	2.41	29.20	13.91	2.10
1428011099	2023-05-28	0.67	1.18	54	37	1.45	51.30	31.26	1.64
1428011107	2023-05-28	1.21	1.54	97	48	2.01	62.40	45.55	1.37
1428011062	2023-05-28	1.32	1.49	106	47	2.27	53.90	40.32	1.34
1428011145	2023-05-28	0.81	1.72	65	54	1.21	63.50	48.74	1.30
1428011067	2023-05-28	0.22	0.55	18	17	1.02	18.20	14.95	1.22
1428011087	2023-05-28	0.86	1.95	69	61	1.13	62.90	54.42	1.16
1428011564	2023-05-28	0.62	1.72	50	54	0.92	42.50	51.21	0.83
1428011550	2023-05-28	0.37	1.68	30	53	0.56	23.20	48.51	0.48
1428011584	2023-05-28	0.38	1.57	30	49	0.62	20.70	43.69	0.47
1428011551	2023-05-28	0.08	1.27	6	40	0.16	8.97	36.60	0.25
1428012184	2023-05-29	1.39	0.30	111	9	11.87	102.00	5.44	18.75
1428012198	2023-05-29	1.90	0.44	152	14	11.06	139.00	8.60	16.16
1428012230	2023-05-29	1.86	0.56	149	18	8.51	146.00	13.79	10.59
1428012036	2023-05-29	1.04	0.49	83	15	5.44	78.30	9.77	8.01
1428029117	2023-05-29	2.06	1.15	165	36	4.59	172.00	24.67	6.97
1428012022	2023-05-29	0.82	0.45	66	14	4.67	70.40	10.17	6.92
1428029169	2023-05-29	2.02	2.37	162	74	2.18	144.00	58.79	2.45
1428029020	2023-05-29	1.47	1.60	118	50	2.35	93.50	41.43	2.26
1428029076	2023-05-29	1.66	2.55	133	80	1.67	124.00	58.72	2.11
1428029060	2023-05-29	2.11	5.61	169	175	0.96	158.00	108.66	1.45
1428029038	2023-05-29	0.50	1.08	40	34	1.19	40.90	29.12	1.40
1428029201	2023-05-29	0.68	1.43	54	45	1.22	44.40	40.16	1.11
1428029030	2023-05-29	1.63	5.75	131	180	0.73	122.00	131.41	0.93
1428029174	2023-05-29	1.55	4.16	124	130	0.95	96.70	105.00	0.92
1428029189	2023-05-29	1.48	4.30	118	134	0.88	99.90	111.48	0.90
1315024283	2023-06-01	0.99	2.22	79	69	1.14	64.00	62.38	1.03
1315024242	2023-06-01	0.90	1.79	72	56	1.29	50.80	51.35	0.99
1315024328	2023-06-01	0.68	3.37	54	105	0.52	47.80	97.59	0.49
1428005604	2023-06-02	0.93	0.82	74	26	2.91	69.70	21.81	3.20
1428005134	2023-06-02	0.80	0.75	64	23	2.73	57.00	21.31	2.67
1428005676	2023-06-02	0.72	0.66	58	21	2.79	49.30	18.53	2.66
1428005642	2023-06-02	0.80	0.71	64	22	2.89	52.90	20.04	2.64
1428005020	2023-06-02	1.47	0.96	118	30	3.92	47.20	24.25	1.95
1428005050	2023-06-02	0.61	1.12	49	35	1.40	42.10	32.26	1.31
1428005118	2023-06-02	0.59	1.32	47	41	1.15	44.80	37.05	1.21
1428005168	2023-06-02	0.49	1.21	39	38	1.04	39.50	34.35	1.15
1428015014	2023-06-04	0.88	1.25	70	39	1.80	68.60	33.27	2.06
1428015028	2023-06-04	1.02	1.47	82	46	1.78	80.90	42.44	1.91
1428015078	2023-06-04	1.14	1.70	91	53	1.72	79.50	46.47	1.71
1428015042	2023-06-04	0.93	1.25	74	39	1.91	58.90	36.59	1.61
1428015646	2023-06-04	0.95	1.42	76	44	1.71	64.70	41.01	1.58
1428015214	2023-06-04	0.35	1.15	28	36	0.78	25.20	30.25	0.83
1429020344	2023-06-07	2.17	0.93	174	29	5.98	148.00	14.87	9.95
1429020211	2023-06-07	2.29	0.83	183	26	7.07	157.00	16.68	9.41
1429020072	2023-06-07	0.73	0.33	58	10	5.67	51.00	6.27	8.13
1429020302	2023-06-07	1.68	1.10	135	34	3.91	117.00	19.47	6.01
1429020032	2023-06-07	0.85	0.54	68	17	4.03	68.20	11.94	5.71
1429020104	2023-06-07	0.49	0.63	39	20	1.99	41.20	14.01	2.94
1429020427	2023-06-07	2.23	2.32	179	73	2.46	113.00	45.73	2.47
1429020391	2023-06-07	1.74	2.45	139	77	1.82	140.00	58.00	2.41
1429020052	2023-06-07	1.12	1.49	90	47	1.93	76.40	32.45	2.35
1429020448	2023-06-07	1.90	2.40	152	75	2.03	109.00	52.46	2.08
1429020122	2023-06-07	1.80	3.58	144	112	1.29	125.00	84.85	1.47
1429020436	2023-06-07	1.61	1.78	129	56	2.32	33.00	40.38	0.82
1428019655	2023-06-10	2.19	0.74	175	23	7.58	158.00	15.92	9.92
1428019925	2023-06-10	2.37	0.80	190	25	7.59	151.00	16.16	9.34
1428019129	2023-06-10	2.26	0.69	181	22	8.39	157.00	17.54	8.95
1428019222	2023-06-10	1.52	0.84	122	26	4.64	104.00	19.77	5.26
1428019031	2023-06-10	0.69	0.56	55	18	3.16	53.80	14.67	3.67
1428019934	2023-06-10	1.71	1.44	137	45	3.04	105.00	32.26	3.25
1428019111	2023-06-10	1.87	1.88	150	59	2.55	124.00	50.94	2.43
1428019112	2023-06-10	1.90	3.37	152	105	1.44	147.00	77.31	1.90
1315027610	2023-06-10	0.36	1.15	29	36	0.80	47.80	32.22	1.48
1315027616	2023-06-10	0.47	1.39	38	43	0.87	53.40	41.31	1.29
1315027001	2023-06-10	0.31	1.01	25	32	0.79	24.60	26.23	0.94
1428019005	2023-06-10	1.34	2.07	107	65	1.66	39.70	51.50	0.77
1315027007	2023-06-10	0.22	1.14	18	36	0.49	23.60	32.44	0.73
1315027004	2023-06-10	0.01	0.01			2.56	24.70	34.69	0.71
1315027635	2023-06-10	0.40	1.43	32	45	0.72	30.40	43.26	0.70
1315027013	2023-06-10	0.34	1.24	27	39	0.70	20.20	36.27	0.56
1428019666	2023-06-10	1.74	2.34	139	73	1.91	32.40	62.25	0.52
1428019116	2023-06-10	1.45	3.57	116	112	1.04	32.90	81.48	0.40
1315027084	2023-06-10	0.27	2.41	22	75	0.29	15.10	67.36	0.22
1315033685	2023-06-12	0.49	1.76	39	55	0.71	38.00	45.78	0.83
1315033678	2023-06-12	0.43	1.88	34	59	0.59	41.30	53.28	0.78
1315033614	2023-06-12	0.69	2.26	55	71	0.78	44.70	58.56	0.76
1315033602	2023-06-12	0.53	2.96	42	93	0.46	39.10	78.98	0.50
1315033079	2023-06-12	0.16	2.69	13	84	0.15	13.30	75.56	0.18
1315033904	2023-06-12	0.19	3.26	15	102	0.15	14.20	91.42	0.16
1428018056	2023-06-14	0.99	0.14	79	4	18.12	65.70	2.23	29.46
1428018670	2023-06-14	1.10	0.19	88	6	14.83	68.30	2.71	25.20
1428018060	2023-06-14	1.16	0.23	93	7	12.92	44.70	2.79	16.02
1428018660	2023-06-14	0.97	0.24	78	8	10.35	31.50	2.97	10.61
1428018628	2023-06-14	0.94	0.58	75	18	4.15	70.30	14.21	4.95
1428018612	2023-06-14	0.87	0.54	70	17	4.13	52.30	13.86	3.77
1428018086	2023-06-14	1.93	3.30	155	103	1.50	46.10	80.87	0.57
1428018028	2023-06-14	1.32	1.84	106	58	1.84	23.70	52.49	0.45
1315025135	2023-06-16	0.51	0.88	41	28	1.48	38.50	23.05	1.67
1315025008	2023-06-16	0.71	1.57	57	49	1.16	55.80	43.54	1.28

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
1315025011	2023-06-16	1.06	2.23	85	70	1.22	61.50	57.64	1.07
1315025082	2023-06-16	0.60	1.94	48	61	0.79	64.30	67.18	0.96
1428006038	2023-06-16	1.82	3.59	146	112	1.30	79.80	97.81	0.82
1428006026	2023-06-16	1.46	1.64	117	51	2.28	20.30	45.23	0.45
1314016002	2023-06-16	0.27	3.27	22	102	0.21	23.20	89.80	0.26
1314016004	2023-06-16	0.19	3.54	15	111	0.14	14.60	93.87	0.16
1428026612	2023-06-17	1.50	1.70	120	53	2.26	104.00	45.39	2.29
1428020235	2023-06-20	1.37	0.35	110	11	10.03	177.00	2.56	69.14
1428020126	2023-06-20	1.85	0.22	148	7	21.54	138.00	2.54	54.33
1428020219	2023-06-20	2.04	0.44	163	14	11.88	158.00	8.17	19.34
1428020127	2023-06-20	2.11	0.55	169	17	9.83	140.00	10.29	13.61
1428020167	2023-06-20	1.55	0.70	124	22	5.67	111.00	15.59	7.12
1428020204	2023-06-20	1.96	0.99	157	31	5.07	147.00	21.23	6.92
1428020117	2023-06-20	2.37	1.11	190	35	5.47	157.00	25.70	6.11
1428020915	2023-06-20	1.97	0.87	158	27	5.80	87.60	17.40	5.03
1428020105	2023-06-20	0.63	0.62	50	19	2.60	57.00	15.79	3.61
1428031041	2023-06-20	1.25	1.13	100	35	2.83	70.60	28.42	2.48
1428031003	2023-06-20	0.81	1.32	65	41	1.57	66.80	36.68	1.82
1428020138	2023-06-20	2.32	3.67	186	115	1.62	178.00	100.08	1.78
1428031050	2023-06-20	0.98	1.26	78	39	1.99	58.90	35.02	1.68
1428031173	2023-06-20	1.12	1.50	90	47	1.91	60.50	37.92	1.60
1428031037	2023-06-20	0.94	1.61	75	50	1.50	68.00	46.12	1.47
1428031075	2023-06-20	0.98	1.32	78	41	1.90	51.40	37.29	1.38
1428020003	2023-06-20	0.68	1.54	54	48	1.13	53.60	45.22	1.19
1428031023	2023-06-20	0.75	2.06	60	64	0.93	51.30	54.74	0.94
1428020052	2023-06-20	0.94	3.07	75	96	0.78	72.20	86.91	0.83
1428020048	2023-06-20	2.18	3.45	175	108	1.62	50.30	84.72	0.59
1428020028	2023-06-20	1.46	4.09	117	128	0.91	18.30	104.62	0.17
1428031141	2023-06-20	0.47	1.16	38	36	1.04	3.98	32.41	0.12
1428031158	2023-06-20	0.31	0.95	25	30	0.84	2.98	25.80	0.12
1428032066	2023-06-21	1.00	0.12	80	4	21.35	73.10	0.48	152.29
1428032070	2023-06-21	0.96	0.77	77	24	3.19	87.60	22.36	3.92
1428032094	2023-06-21	0.84	0.97	67	30	2.22	65.20	25.14	2.59
1428032088	2023-06-21	1.28	1.80	102	56	1.82	93.40	48.04	1.94
1428032611	2023-06-21	1.00	1.95	80	61	1.31	63.30	55.90	1.13
1428032023	2023-06-21	0.94	1.89	75	59	1.27	61.80	55.79	1.11
1428032663	2023-06-21	0.88	2.20	70	69	1.02	49.70	61.14	0.81
1428032079	2023-06-21	0.51	1.29	41	40	1.01	27.30	38.46	0.71
1428032673	2023-06-21	0.65	2.03	52	63	0.82	36.30	57.61	0.63
1428032078	2023-06-21	0.25	1.36	20	43	0.47	1.23	29.49	0.04
1428028056	2023-06-23	0.98	1.92	78	60	1.31	76.80	52.31	1.47
1428028131	2023-06-23	0.87	1.41	70	44	1.58	59.70	41.88	1.43
1428028066	2023-06-23	0.69	1.52	55	48	1.16	42.80	43.48	0.98
1428028039	2023-06-23	1.06	2.41	85	75	1.13	54.40	66.96	0.81
1428028042	2023-06-23	0.53	2.15	42	67	0.63	38.70	60.65	0.64
1428024109	2023-06-24	1.42	0.88	114	28	4.13	103.00	22.60	4.56
1428024666	2023-06-24	1.35	1.19	108	37	2.91	105.00	29.52	3.56
1428024138	2023-06-24	1.53	1.60	122	50	2.45	109.00	42.30	2.58
1428024125	2023-06-24	1.67	1.69	134	53	2.53	106.00	43.54	2.43
1428024145	2023-06-24	1.19	1.31	95	41	2.33	73.70	37.72	1.95
1428024132	2023-06-24	1.90	2.96	152	93	1.64	90.50	77.47	1.17
1428024622	2023-06-24	1.98	3.86	159	121	1.31	74.80	105.45	0.71
1428024066	2023-06-24	1.88	4.75	151	148	1.01	61.20	121.07	0.51
1428024605	2023-06-24	1.65	3.81	132	119	1.11	22.10	92.60	0.24
1428007177	2023-06-25	0.51	0.64	41	20	2.04	75.50	18.97	3.98
1428007121	2023-06-25	0.51	0.45	41	14	2.90	34.50	12.69	2.72
1428007111	2023-06-25	0.85	0.90	68	28	2.42	60.80	25.46	2.39
1427004124	2023-06-28	1.47	0.24	118	8	15.69	88.60	2.54	34.88
1427004014	2023-06-28	2.00	0.85	160	27	6.03	147.00	17.96	8.18
1427004102	2023-06-28	1.58	0.89	127	28	4.55	106.00	20.49	5.17
1427004144	2023-06-28	1.39	0.90	111	28	3.96	86.10	22.14	3.89
1427004164	2023-06-28	1.38	0.97	110	30	3.64	78.80	21.68	3.63
1427004218	2023-06-28	0.95	1.18	76	37	2.06	72.10	30.17	2.39
1427004136	2023-06-28	1.00	1.48	80	46	1.73	76.10	32.65	2.33
1427004286	2023-06-28	1.10	1.30	88	41	2.17	76.00	35.52	2.14
1427004276	2023-06-28	0.85	1.10	68	34	1.98	32.60	29.71	1.10
1315032153	2023-06-29	1.34	1.47	107	46	2.34	82.40	37.56	2.19
1315032094	2023-06-29	1.20	1.84	96	58	1.67	75.10	43.15	1.74
1315029140	2023-06-29	0.17	1.10	14	34	0.40	24.00	30.02	0.80
1428025124	2023-06-30	1.45	0.22	116	7	16.89	92.10	0.53	173.77
1428025643	2023-06-30	2.60	0.36	208	11	18.50	166.00	3.30	50.30
1428025117	2023-06-30	1.79	0.57	143	18	8.05	108.00	12.54	8.61
1428025123	2023-06-30	1.53	0.83	122	26	4.72	107.00	18.40	5.82
1428025016	2023-06-30	1.84	1.76	147	55	2.68	102.00	34.33	2.97
1428025081	2023-06-30	1.23	1.35	98	42	2.33	72.30	32.57	2.22
1428025151	2023-06-30	1.88	2.37	151	74	2.03	109.00	56.34	1.93
1428025620	2023-06-30	1.88	3.30	151	103	1.46	94.80	83.70	1.13
1428025072	2023-06-30	2.22	6.39	178	200	0.89	115.00	121.62	0.95
1428025648	2023-06-30	1.34	2.63	107	82	1.31	61.20	65.62	0.93
1428025031	2023-06-30	3.73	6.88	299	215	1.39	113.00	124.70	0.91
1428025086	2023-06-30	1.35	3.30	108	103	1.05	64.30	83.27	0.77
1428025017	2023-06-30	1.33	4.78	106	149	0.71	70.70	110.44	0.64

Appendix B

Independent Laboratory Certificates of Analysis

Quality Analysis ... *Innovative Technologies*

Report No.: **A23-11491**
Report Date: **19-Sep-23**
Date Submitted: **16-Aug-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

197 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-08-24 09:26:28
4F-C, S	Infrared	2023-08-23 21:23:06

REPORT **A23-11491**

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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.

Refer to the Scope of Accreditation for information on accredited elements.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A23-11491**
Report Date: **19-Sep-23**
Date Submitted: **16-Aug-23**
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New Gold Inc.
1800-Two Bentall Centre 555 Burrard Street, Box 212
Vancouver BC V7X 1M9
Canada

ATTN: Corey Lablans

CERTIFICATE OF ANALYSIS

197 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)	2023-08-18 20:55:56
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2023-08-23 12:07:21

REPORT **A23-11491**

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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.

Refer to the Scope of Accreditation for information on accredited elements.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

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Report No.: **A23-11491**
Report Date: **19-Sep-23**
Date Submitted: **16-Aug-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

197 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E2-Timmins	QOP AquaGeo (Aqua Regia ICPOES)	2023-09-15 10:49:39

REPORT **A23-11491**

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.

Refer to the Scope of Accreditation for information on accredited elements.

SCC Accredited LAB Accrédité CCN TM

LabID: 709

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1428005020	83	moderate	23.0	8.86	47.2	1.95	24.25	0.56	0.78	1.47	0.96		0.4	0.2	119	840	< 2	119	< 2	58	2.82	10	< 5
1428005050	35	moderate	9.83	8.91	42.1	1.30	32.26	0.42	1.03	0.60	1.17		< 0.2	< 0.2	82	302	2	20	< 2	27	1.08	< 3	< 5
1428015646	94	slight	23.7	8.75	64.7	1.58	41.01	0.52	1.31	0.94	1.48		1.4	0.8	77	906	2	14	48	204	1.29	58	< 5
1428005168	44	slight	5.10	9.04	39.5	1.15	34.35	0.42	1.10	0.49	1.24		< 0.2	< 0.2	26	355	4	17	2	27	1.22	5	< 5
GC23-0286-006	1100	moderate	-35.3	8.31	51.5	0.593	86.85	1.60	2.78	0.63	3.31		4.5	8.7	233	563	< 2	21	1630	2380	0.58	135	< 5
1428005118	29	moderate	7.74	9.12	44.8	1.21	37.05	0.49	1.19	0.58	1.35		< 0.2	< 0.2	6	447	< 2	23	< 2	25	1.28	6	< 5
1428005134	39	moderate	35.7	9.21	57.0	2.68	21.31	0.40	0.68	0.80	0.82		< 0.2	< 0.2	35	424	< 2	16	< 2	47	1.13	5	< 5
GC23-0238-002	38	moderate	8.70	8.65	53.3	1.19	44.65	0.50	1.43	0.68	1.60		1.6	1.2	19	731	< 2	15	52	267	1.22	50	< 5
GC23-0269-006	173	moderate	4.60	8.54	47.6	1.11	43.02	0.40	1.38	0.64	1.51		0.5	0.5	29	1280	< 2	11	87	193	0.96	50	< 5
1428005642	35	moderate	32.9	9.12	52.9	2.64	20.04	0.36	0.62	0.78	0.74		< 0.2	< 0.2	47	410	< 2	19	2	46	1.26	5	< 5
GC23-0271-005	463	slight	-13.5	8.54	28.5	0.678	42.03	1.23	1.34	0.33	1.75		0.7	34.5	64	556	< 2	15	32	7100	1.06	60	< 5
1315024328	790	slight	-49.8	8.61	47.8	0.490	97.59	0.86	3.12	0.67	3.41		1.3	8.0	53	637	< 2	15	12	1670	0.51	149	< 5
GC23-2002-004	155	slight	-42.5	8.61	48.5	0.533	90.93	1.46	2.91	0.67	3.40		0.6	7.0	38	1460	< 2	18	15	1080	2.48	94	< 5
1428015014	101	moderate	35.4	8.90	68.6	2.06	33.27	0.60	1.06	0.88	1.26		0.8	0.7	26	906	< 2	18	39	217	1.56	35	< 5
1315024242	424	moderate	-0.567	8.77	50.8	0.989	51.35	0.73	1.64	0.91	1.89		1.3	7.2	38	1140	< 2	14	12	1420	1.06	126	< 5
GC23-0273-006	201	slight	18.7	9.15	29.9	2.68	11.17	0.31	0.36	0.32	0.46		1.7	< 0.2	26	433	< 2	14	20	83	2.05	23	< 5
GC23-0380-002	332	moderate	-22.0	8.78	31.0	0.585	52.97	0.74	1.70	0.39	1.94		1.4	13.0	72	603	< 2	13	36	2760	1.07	105	< 5
1428005604	29	moderate	47.9	8.83	69.7	3.20	21.81	0.62	0.70	0.93	0.91		0.2	< 0.2	99	857	< 2	167	< 2	62	3.03	9	< 5
1428012036	46	moderate	68.5	9.05	78.3	8.01	9.77	0.49	0.31	1.03	0.48		0.3	< 0.2	106	904	< 2	172	< 2	60	3.37	14	< 5
F016046	313																						
1428015078	86	slight	33.0	8.88	79.5	1.71	46.47	0.67	1.49	1.15	1.71		5.3	4.6	157	1360	3	12	234	956	0.94	30	< 5
GC23-0313-002	723	moderate	6.88	8.95	46.1	1.18	39.22	0.54	1.25	0.60	1.44		0.9	4.1	34	1210	< 2	15	485	1120	1.33	47	< 5
GC23-0244-002	1670	slight	-25.7	8.58	23.5	0.477	49.27	0.48	1.58	0.32	1.74		1.0	1.4	37	1330	< 2	13	245	397	0.41	98	< 5
GC23-0400-003	70	none	-19.9	8.73	20.0	0.501	39.81	0.34	1.27	0.27	1.39		0.9	0.3	23	452	< 2	18	5	218	2.03	63	< 5
1429020302	32	strong	97.2	8.49	117	6.00	19.47	1.39	0.62	1.70	1.09		0.2	1.3	57	1710	< 2	5	4	590	3.26	19	< 5
GC23-9012-035	83	none	18.6	9.13	54.2	1.52	35.65	0.48	1.14	1.40	1.30		0.9	< 0.2	16	881	< 2	16	15	87	1.07	131	< 5
1429020391	419	moderate	81.8	8.57	140	2.41	58.00	2.01	1.86	1.75	2.53		2.9	1.2	142	2290	< 2	67	8	501	4.23	35	< 5
GC23-0285-005	136	moderate	-40.1	8.13	42.8	0.516	82.85	0.84	2.65	0.57	2.93		1.4	1.0	19	602	< 2	19	224	348	0.57	60	< 5
GC23-9012-026	34	moderate	42.0	9.57	67.4	2.66	25.39	0.38	0.81	0.90	0.94		1.0	< 0.2	23	470	2	16	3	70	1.43	19	< 5
1315024283	400	slight	1.64	8.78	64.0	1.03	62.38	0.88	2.00	0.99	2.29		2.7	0.2	30	1350	< 2	25	31	149	1.24	120	< 5
GC23-9012-060	42	none	-3.82	8.99	50.5	0.930	54.31	0.46	1.74	0.69	1.89		< 0.2	0.3	5	951	< 2	16	19	136	1.23	15	< 5
GC23-0226-002	136	slight	17.0	8.82	60.4	1.39	43.41	0.50	1.39	0.98	1.55		0.6	2.4	15	1990	< 2	12	201	544	1.00	157	< 5
GC23-0239-002	583	slight	7.97	8.96	46.5	1.21	38.52	1.04	1.23	0.65	1.58		2.9	14.1	177	1520	< 2	13	2120	3900	0.80	261	< 5
1428015042	71	none	22.3	8.96	58.9	1.61	36.59	0.49	1.17	0.93	1.34		1.7	0.9	65	1230	< 2	13	40	250	1.64	37	< 5
GC23-0375-008	301	none	-5.70	8.56	28.4	0.832	34.06	2.16	1.09	0.20	1.81		2.7	0.5	1650	669	< 2	1800	8	148	3.18	18	< 5
1428005676	34	modera	30.8	9.10	49.3	2.66	18.53	0.41	0.59	0.74	0.73		0.3	< 0.2	99	472	< 2	16	2	38	1.07	5	< 5

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
		te																					
GC23-0270-006	305	slight	-18.1	8.55	27.0	0.600	45.10	0.75	1.44	0.30	1.69		0.7	15.2	89	986	< 2	12	111	3330	1.32	42	< 5
GC23-0259-005	1000	none	-14.4	8.74	27.6	0.657	42.05	0.51	1.35	0.37	1.52		0.9	1.3	27	1460	< 2	12	188	376	0.62	52	< 5
GC23-0229-006	212	moderate	-12.1	8.78	39.1	0.764	51.17	0.59	1.64	0.46	1.84		0.9	2.8	34	1020	< 2	14	199	646	1.30	68	< 5
GC23-0377-002	445	none	-94.6	8.09	10.5	0.100	105.16	1.33	3.37	0.11	3.81		1.7	25.2	90	227	< 2	20	64	6080	0.88	72	< 5
1429020344	44	moderate	133	8.69	148	9.97	14.87	1.39	0.48	2.20	0.94		0.3	< 0.2	87	1750	< 2	65	4	169	4.41	8	< 5
1429020122	241	moderate	40.6	8.23	125	1.48	84.85	2.74	2.72	1.83	3.63		2.8	1.5	27	1430	< 2	85	3	365	3.78	11	< 5
1429020211	28	moderate	140	8.66	157	9.41	16.68	1.02	0.53	2.27	0.87		0.5	< 0.2	98	1830	< 2	69	3	220	4.12	16	< 5
F016047	550																						
1428019112	114	moderate	70.0	8.36	147	1.91	77.31	3.00	2.47	1.89	3.48		1.1	4.1	123	1960	< 2	61	5	706	3.10	60	< 5
1315027013	144	slight	-16.1	8.78	20.2	0.557	36.27	0.38	1.16	0.32	1.29		0.4	< 0.2	19	656	< 2	20	54	125	2.16	29	< 5
1315027007	209	slight	-8.85	9.00	23.6	0.727	32.44	0.36	1.04	0.21	1.16		0.3	< 0.2	17	640	< 2	18	25	122	2.57	27	< 5
1315027635	120	slight	-12.9	8.72	30.4	0.702	43.26	0.42	1.38	0.37	1.52		0.3	0.5	28	819	< 2	14	46	223	2.05	37	< 5
1428019129	82	moderate	139	8.79	157	8.94	17.54	0.62	0.56	2.19	0.77		0.3	0.2	64	1470	< 2	176	< 2	178	3.83	14	< 5
1315027616	156	slight	12.1	8.68	53.4	1.29	41.31	0.42	1.32	0.45	1.46		0.4	0.4	21	813	< 2	13	66	166	2.03	31	< 5
1428019655	25	moderate	142	8.68	158	9.94	15.92	0.76	0.51	2.20	0.76		0.2	< 0.2	119	1500	< 2	100	4	187	3.97	10	< 5
1315027610	133	slight	15.5	8.89	47.8	1.48	32.22	0.41	1.03	0.35	1.17		0.3	0.4	21	676	< 2	20	24	182	2.06	33	< 5
1428019934	53	moderate	72.7	8.64	105	3.25	32.26	1.17	1.03	1.73	1.42		0.3	0.4	90	1510	< 2	71	3	226	3.20	20	< 5
GC23-0476-009	431	slight	24.9	9.01	71.3	1.54	46.37	0.64	1.48	0.83	1.70		1.9	1.2	174	714	< 2	17	33	334	1.60	39	< 5
GC23-0499-002	232	none	1.72	8.89	50.3	1.04	48.54	0.55	1.55	0.64	1.74		1.9	1.6	71	773	< 2	17	80	413	1.79	29	< 5
GC23-0324-002	260	slight	-12.7	8.87	25.0	0.664	37.69	0.58	1.21	0.55	1.40		1.3	0.8	117	854	< 2	56	28	234	1.25	65	< 5
GC23-0456-002	160	slight	42.2	9.09	72.8	2.38	30.59	0.50	0.98	1.24	1.15		1.2	< 0.2	19	889	< 2	17	10	92	0.97	63	< 5
GC23-0460-009	241	none	-16.7	8.85	50.2	0.751	66.91	0.54	2.14	0.75	2.32		1.4	< 0.2	18	550	< 2	17	14	70	1.53	20	< 5
1428015214	164	none	-5.01	8.76	25.2	0.834	30.25	0.44	0.97	0.33	1.11		0.5	0.4	56	1110	< 2	18	15	191	1.74	18	< 5
1428019111	84	moderate	73.5	8.60	124	2.44	50.94	1.03	1.63	1.90	1.97		0.5	< 0.2	113	1770	< 2	49	< 2	157	3.02	16	< 5
1315027084	264	none	-52.3	8.47	15.1	0.224	67.36	0.63	2.16	0.26	2.37		0.9	2.3	36	716	< 2	46	59	728	1.35	68	< 5
1315027004	95	none	-10.0	8.88	24.7	0.711	34.69	0.36	1.11	0.25	1.23		0.2	< 0.2	14	594	< 2	12	27	113	2.47	26	< 5
1428019925	30	moderate	135	8.69	151	9.35	16.16	0.91	0.52	2.32	0.82		0.2	0.3	112	1690	< 2	71	2	192	3.96	9	< 5
GC23-0030-010	1110	slight	-8.66	8.85	43.9	0.835	52.59	0.91	1.68	0.27	1.99		1.8	16.6	116	915	< 2	10	76	3480	1.35	65	< 5
1428019222	81	moderate	84.0	8.73	104	5.25	19.77	0.78	0.61	1.50	0.87		0.6	< 0.2	134	1370	< 2	175	< 2	172	4.70	11	< 5
GC23-0077-014	1230	none	-4.26	9.27	55.0	0.928	59.23	0.65	1.90	0.69	2.11		1.3	4.2	62	1540	< 2	10	57	1130	0.54	203	< 5
GC23-0042-010	1020	none	-25.7	8.87	16.5	0.391	42.22	1.02	1.35	0.09	1.69		1.6	23.5	116	915	< 2	16	34	4910	1.51	61	< 5
GC23-0492-007	165	slight	15.4	9.46	60.7	1.34	45.26	0.54	1.45	0.55	1.63		1.2	0.4	18	351	< 2	17	15	141	1.93	20	< 5
F016044	> 5000											6.46											
1428020127	57	moderate	130	8.72	140	13.6	10.29	0.67	0.33	2.11	0.55		0.2	< 0.2	49	1130	< 2	227	< 2	98	4.35	6	< 5
1428031003	54	slight	30.1	8.87	66.8	1.82	36.68	0.48	1.17	0.81	1.33		1.1	0.8	79	1010	3	16	58	253	1.19	21	< 5
1428031050	151	slight	23.9	8.74	58.9	1.68	35.02	0.41	1.12	1.00	1.26		1.8	0.5	121	1010	5	14	42	219	1.33	30	< 5
1428031041	115	moderate	42.2	9.19	70.6	2.48	28.42	0.44	0.91	1.29	1.06		0.7	0.2	25	830	< 2	14	48	140	1.06	90	< 5
1428031023	93	slight	-3.41	8.91	51.3	0.938	54.74	0.55	1.75	0.74	1.93		1.2	0.8	55	905	< 2	12	51	248	1.00	49	< 5

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1428020219	14	strong	150	9.05	158	19.4	8.17	0.56	0.26	2.09	0.45		0.2	< 0.2	243	1060	< 2	50	3	104	2.96	41	< 5
1428020167	22	moderate	95.3	9.17	111	7.11	15.59	0.56	0.50	1.66	0.69		0.2	0.3	67	1080	< 2	70	< 2	153	4.43	10	< 5
1428032673	463	none	-21.3	8.56	36.3	0.630	57.61	0.49	1.84	0.62	2.01		2.7	0.8	34	581	< 2	15	77	227	0.97	31	< 5
1428026612	42	moderate	58.8	9.01	104	2.30	45.39	0.73	1.45	1.45	1.70		< 0.2	< 0.2	29	1040	< 2	47	2	67	1.72	7	< 5
GC23-0466-002	184	moderate	6.17	9.09	57.2	1.12	51.07	0.40	1.63	0.56	1.77		1.3	0.7	28	299	< 2	15	10	204	1.35	22	< 5
1428020117	66	strong	131	8.78	157	6.11	25.70	1.00	0.82	2.38	1.16		0.7	< 0.2	114	1620	< 2	35	3	201	3.59	11	< 5
1428020126	8	strong	136	8.97	138	54.4	2.54	0.47	0.08	1.89	0.24		< 0.2	< 0.2	47	1150	< 2	208	< 2	84	4.35	5	< 5
1428031173	169	moderate	22.6	9.11	60.5	1.60	37.92	0.48	1.21	0.96	1.37		0.7	< 0.2	41	955	< 2	18	15	101	1.20	37	< 5
1428031075	64	moderate	14.1	9.15	51.4	1.38	37.29	0.48	1.19	0.96	1.36		1.2	1.1	52	1140	2	12	78	307	1.08	28	< 5
1428020204	24	strong	126	8.88	147	6.93	21.23	1.03	0.68	2.01	1.02		0.4	< 0.2	203	1000	< 2	52	4	116	3.18	16	< 5
1428020138	34	strong	77.6	8.53	178	1.77	100.08	1.83	3.20	2.38	3.81		0.3	< 0.2	167	1200	< 2	46	2	142	2.30	11	< 5
1428031141	52	moderate	-28.4	9.08	3.98	0.123	32.41	0.39	1.04	0.46	1.17		0.7	0.5	52	841	< 2	12	27	187	1.54	23	< 5
GC23-0451-002	373	moderate	35.0	8.77	98.9	1.55	63.84	0.86	2.04	1.44	2.33		6.6	5.5	146	1260	< 2	16	468	1190	0.75	88	< 5
1428031158	174	slight	-22.8	9.04	2.98	0.116	25.80	0.37	0.83	0.30	0.95		0.7	< 0.2	60	1530	< 2	12	25	153	1.90	34	< 5
F016045	> 5000											6.02											
1315033602	1850	slight	-39.9	8.60	39.1	0.495	78.98	1.11	2.53	0.51	2.90		2.2	17.6	133	1160	< 2	21	52	3690	1.37	69	< 5
1315033614	639	moderate	-13.8	8.95	44.7	0.764	58.56	0.76	1.87	0.66	2.13		1.3	7.0	84	969	< 2	18	56	1330	1.29	56	< 5
STUG23-3694	2690	none	-67.9	8.87	11.1	0.141	79.06	2.28	2.53	0.03	3.29		20.8	50.9	588	547	< 2	13	1160	> 10000	0.84	301	< 5
1428032079	180	none	-11.2	8.98	27.3	0.709	38.46	0.33	1.23	0.50	1.34		2.1	0.3	30	649	< 2	21	17	123	1.21	56	< 5
STUG23-3903	22	slight	-21.5	9.59	6.99	0.245	28.50	0.29	0.91	0.15	1.01		0.8	0.3	18	146	< 2	15	14	106	0.97	9	6
STUG23-3814	2020	slight	-34.6	9.02	17.4	0.335	52.04	0.62	1.67	0.14	1.87		6.9	1.1	81	515	< 2	21	171	362	1.57	35	6
GC23-0458-008	47	moderate	38.9	9.37	66.5	2.41	27.54	0.37	0.88	0.93	1.00		0.6	< 0.2	26	591	< 2	11	21	41	0.80	55	< 5
1428020052	425	moderate	-14.7	8.68	72.2	0.831	86.91	1.15	2.78	0.95	3.16		2.1	0.9	78	888	< 2	22	3	351	1.66	19	< 5
GC23-0457-009	127	none	3.33	8.95	62.8	1.06	59.44	0.64	1.90	0.96	2.12		0.9	< 0.2	4	950	< 2	15	42	82	1.25	6	< 5
GC23-0406-018	200	slight	7.81	8.99	59.1	1.15	51.27	0.62	1.64	0.81	1.85		1.6	< 0.2	61	730	< 2	15	49	112	1.36	47	< 5
GC23-0445-002	79	none	-13.7	8.95	38.0	0.735	51.69	0.48	1.65	0.49	1.82		1.5	0.7	30	821	< 2	21	7	283	1.24	51	< 5
1428020028	250	moderate	-86.3	8.51	18.3	0.175	104.62	1.80	3.35	1.46	3.95		1.2	< 0.2	110	1350	< 2	29	2	163	3.23	14	< 5
1428020915	21	strong	70.2	8.81	87.6	5.03	17.40	0.99	0.56	2.05	0.89		0.2	0.2	89	1250	< 2	86	< 2	125	3.93	12	< 5
1428020105	29	moderate	41.3	9.95	57.0	3.61	15.79	0.37	0.51	0.64	0.63		< 0.2	0.2	15	653	< 2	22	3	80	3.23	10	< 5
1315033685	708	moderate	-7.76	8.82	38.0	0.830	45.78	0.68	1.46	0.47	1.69		0.7	7.7	67	975	< 2	15	28	1620	1.64	77	< 5
GC23-0469-004	879	moderate	0.676	9.04	50.8	1.01	50.15	0.55	1.60	0.67	1.79		4.0	2.6	32	382	< 2	16	15	498	1.29	28	< 5
1428006038	911	strong	-18.0	8.65	79.8	0.816	97.81	1.56	3.13	1.74	3.65		2.9	< 0.2	126	1690	< 2	64	< 2	143	3.31	21	< 5
1428020048	184	strong	-34.5	8.64	50.3	0.593	84.72	2.23	2.71	2.16	3.46		1.4	16.5	291	1960	< 2	36	5	3360	3.56	31	< 5
F016052	559																						
1428018660	20	moderate	28.5	9.85	31.5	10.6	2.97	0.41	0.10	0.91	0.23		< 0.2	< 0.2	34	485	< 2	27	2	89	1.73	4	< 5
1428018086	44	strong	-34.7	8.69	46.1	0.570	80.87	2.01	2.59	1.85	3.26		0.3	< 0.2	79	1810	< 2	62	< 2	139	2.98	11	< 5
1315025011	190	moderate	3.87	9.10	61.5	1.07	57.64	0.98	1.84	0.99	2.17		3.6	1.5	69	1940	< 2	41	87	377	2.04	106	< 5

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1428018060	32	moderate	42.0	9.65	44.7	16.1	2.79	0.38	0.09	1.10	0.22		0.2	< 0.2	42	662	< 2	27	< 2	59	1.51	4	< 5
1314016002	1470	slight	-66.6	8.78	23.2	0.258	89.80	0.93	2.87	0.23	3.18		1.5	7.3	71	954	< 2	18	54	1700	1.96	81	< 5
1314016004	1250	slight	-79.3	8.61	14.6	0.155	93.87	0.84	3.00	0.15	3.28		1.0	1.7	58	979	< 2	19	42	584	2.08	92	< 5
GC23-2003-005	17	none	12.0	9.15	16.9	3.45	4.92	0.19	0.16	0.04	0.22		0.3	< 0.2	117	471	< 2	46	< 2	60	5.02	13	8
GC23-0167-008	269	slight	-8.16	8.70	65.8	0.890	73.98	1.21	2.37	0.87	2.77		1.6	3.8	30	1010	< 2	18	41	888	0.95	159	< 5
GC23-0480-013	243	slight	1.81	8.94	70.8	1.03	69.01	0.68	2.21	0.93	2.43		1.6	0.8	37	1020	< 2	17	41	272	1.03	57	< 5
1428018028	68	moderate	-28.8	8.81	23.7	0.451	52.49	0.73	1.68	1.28	1.92		0.4	< 0.2	35	933	< 2	25	< 2	79	1.66	11	< 5
1315025082	162	moderate	-2.87	8.91	64.3	0.957	67.18	0.93	2.15	0.75	2.46		2.7	3.3	60	1350	< 2	22	62	692	2.11	76	< 5
1428020003	93	moderate	8.34	8.98	53.6	1.18	45.22	0.57	1.45	0.68	1.64		0.7	< 0.2	40	655	< 2	22	3	73	1.99	10	< 5
1315033079	873	slight	-62.2	8.55	13.3	0.176	75.56	0.75	2.42	0.13	2.67		1.9	0.6	103	992	< 2	19	21	250	2.17	56	< 5
1315033904	2530	slight	-77.2	8.43	14.2	0.156	91.42	0.82	2.93	0.16	3.20		2.1	4.5	168	1030	< 2	16	45	998	1.63	64	< 5
1428019005	117	strong	-11.8	8.50	39.7	0.771	51.50	1.20	1.65	1.27	2.05		0.7	5.0	148	1430	< 2	61	< 2	1230	3.52	24	< 5
1428019031	22	moderate	39.2	9.23	53.8	3.67	14.67	0.33	0.47	0.67	0.58		< 0.2	< 0.2	30	563	< 2	27	3	96	2.43	8	< 5
1428019666	218	moderate	-29.8	8.57	32.4	0.521	62.25	1.12	1.99	1.68	2.37		0.7	< 0.2	61	1160	< 2	48	< 2	165	2.09	23	< 5
1428018628	29	moderate	56.1	9.65	70.3	4.95	14.21	0.47	0.45	0.90	0.61		< 0.2	< 0.2	10	429	< 2	24	< 2	42	1.21	3	< 5
1428018056	13	moderate	63.5	9.48	65.7	29.5	2.23	0.28	0.07	0.95	0.16		< 0.2	< 0.2	60	464	< 2	15	2	44	0.92	4	< 5
1428018612	39	moderate	38.5	9.56	52.3	3.78	13.86	0.31	0.44	0.83	0.55		0.2	< 0.2	31	509	< 2	16	3	42	1.06	13	< 5
1315025135	82	moderate	15.5	9.04	38.5	1.67	23.05	0.40	0.74	0.48	0.87		0.5	0.9	40	508	< 2	41	7	232	1.28	15	< 5
1315025008	188	moderate	12.2	9.41	55.8	1.28	43.54	0.53	1.39	0.68	1.57		2.8	0.5	19	1480	< 2	20	72	205	1.79	61	< 5
1428018670	23	moderate	65.6	9.65	68.3	25.2	2.71	0.32	0.09	1.05	0.19		< 0.2	< 0.2	58	536	< 2	24	< 2	38	0.93	4	< 5
1315033678	146	moderate	-12.0	8.97	41.3	0.775	53.28	0.57	1.70	0.40	1.89		0.5	2.9	50	841	< 2	16	44	594	2.53	22	< 5
1428006026	34	moderate	-24.9	8.74	20.3	0.449	45.23	0.68	1.45	1.47	1.67		0.3	0.4	17	1060	< 2	47	2	76	1.98	10	< 5
F016043	1890																						
GC23-0336-004	65	moderate	34.4	8.88	62.6	2.22	28.22	0.41	0.90	0.74	1.04		0.4	0.8	9	449	< 2	13	14	199	0.74	70	< 5
GC23-0106-010	9	none	-5.72	8.01	4.37	0.433	10.10	0.12	0.32	0.04	0.36		< 0.2	< 0.2	11	179	< 2	15	< 2	64	2.00	17	< 5
1429020436	402	strong	-7.36	8.78	33.0	0.818	40.38	1.44	1.29	1.65	1.77		2.3	4.0	145	2130	< 2	65	9	974	3.51	296	< 5
GC23-0330-003	336	moderate	-23.1	8.70	27.0	0.539	50.05	0.53	1.60	0.29	1.78		7.5	1.4	254	714	< 2	13	316	531	1.03	61	< 5
GC23-9012-046	318	none	7.12	9.06	54.4	1.15	47.24	0.44	1.51	0.75	1.66		2.6	0.2	23	1100	< 2	15	22	97	1.22	34	< 5
GC23-0352-005	1710	none	-544	8.18	60.2	0.0996	604.63	7.21	19.3	0.98	21.8		19.1	7.8	> 10000	752	< 2	> 10000	301	354	0.57	7	< 5
1429020072	44	strong	44.7	8.90	51.0	8.13	6.27	0.40	0.20	0.72	0.33		< 0.2	0.4	40	875	< 2	27	4	140	2.71	8	< 5
1429020052	70	strong	44.0	8.86	76.4	2.36	32.45	1.23	1.04	1.13	1.45		0.5	0.3	111	809	< 2	29	6	167	2.49	13	< 5
1315027001	159	moderate	-1.65	9.12	24.6	0.937	26.23	0.37	0.84	0.26	0.96		0.6	2.2	35	541	< 2	15	32	456	2.47	35	< 5
1428019116	207	moderate	-48.6	8.61	32.9	0.404	81.48	2.47	2.61	1.42	3.43		0.9	< 0.2	138	1700	< 2	66	< 2	154	3.73	21	< 5
1429020427	125	moderate	67.5	8.60	113	2.48	45.73	2.62	1.46	2.30	2.34		0.8	0.3	89	2220	< 2	17	4	240	3.13	12	< 5
GC23-0448-006	87	modera	14.0	9.40	78.8	1.22	64.75	0.74	2.07	1.08	2.32		1.5	0.6	62	840	< 2	30	37	237	0.96	45	< 5

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
		te																					
1429020104	18	slight	27.2	8.52	41.2	2.94	14.01	0.62	0.45	0.47	0.66		0.4	< 0.2	49	915	< 2	15	< 2	119	2.74	8	< 5
1428015028	121	moderate	38.5	8.89	80.9	1.91	42.44	0.55	1.36	1.04	1.54		0.8	0.4	24	1010	< 2	12	29	146	1.01	34	< 5
GC23-0306-002	212	slight	14.1	8.67	50.5	1.39	36.37	0.41	1.16	0.78	1.30		0.6	0.9	42	1710	< 2	14	63	317	0.67	45	< 5
GC23-0311-005	230	none	3.36	8.67	22.6	1.17	19.27	1.14	0.62	0.17	1.00		1.0	< 0.2	1070	446	< 2	2040	6	37	3.20	18	< 5
GC23-0174-007	303	none	-127	8.22	46.4	0.268	173.10	7.71	5.54	0.59	8.11		4.4	0.7	4640	610	< 2	8530	31	99	2.36	13	< 5
GC23-0456-008	111	none	-9.36	8.68	43.7	0.824	53.09	0.50	1.70	0.69	1.86		1.3	0.6	15	425	< 2	15	7	171	1.46	22	< 5
1429020032	55	moderate	56.2	8.92	68.2	5.71	11.94	0.49	0.38	0.84	0.55		0.4	0.2	167	722	< 2	38	3	148	2.74	7	< 5
1429020448	176	moderate	56.9	8.51	109	2.08	52.46	1.90	1.68	1.97	2.31		1.3	1.0	112	2100	< 2	66	5	389	4.16	20	< 5
F016059	326																						
1428031037	381	slight	21.9	9.06	68.0	1.47	46.12	0.61	1.48	0.93	1.68		2.6	2.0	37	955	< 2	16	41	508	1.06	30	< 5
1428020235	10	strong	174	9.07	177	69.1	2.56	0.48	0.08	1.49	0.24		0.2	< 0.2	56	957	< 2	85	< 2	95	4.42	8	< 5
1428032078	104	none	-28.3	8.19	1.23	0.0418	29.49	0.27	0.94	0.15	1.03		0.6	< 0.2	33	364	< 2	23	4	47	1.42	50	< 5
1428032611	503	none	7.44	8.97	63.3	1.13	55.90	0.58	1.79	1.00	1.98		3.1	0.6	28	1020	< 2	18	55	199	0.85	100	< 5
1428032023	309	none	6.05	8.99	61.8	1.11	55.79	0.53	1.79	0.94	1.96		2.5	< 0.2	30	849	< 2	25	23	93	1.00	22	< 5
1428032663	351	none	-11.4	8.86	49.7	0.814	61.14	0.56	1.96	0.87	2.14		13.7	0.5	39	1340	< 2	14	57	235	0.54	155	< 5
1428024125	66	moderate	62.4	8.76	106	2.43	43.54	1.08	1.39	1.70	1.75		0.6	2.0	142	1390	< 2	62	< 2	611	2.43	17	< 5
1428032088	58	strong	45.3	8.52	93.4	1.94	48.04	0.98	1.54	1.26	1.86		< 0.2	< 0.2	141	935	3	83	< 2	45	3.28	9	< 5
1428024132	141	moderate	13.0	8.62	90.5	1.17	77.47	1.53	2.48	1.91	2.99		1.3	3.1	157	2050	< 2	54	< 2	862	2.32	27	< 5
1428028056	59	moderate	24.4	8.71	76.8	1.47	52.31	0.79	1.67	1.01	1.94		0.3	< 0.2	53	683	< 2	28	< 2	47	1.46	12	< 5
1428032094	80	moderate	40.1	9.10	65.2	2.59	25.14	0.38	0.80	0.81	0.93		0.2	< 0.2	135	434	< 2	49	< 2	32	1.72	3	< 5
1428032070	46	moderate	65.2	9.09	87.6	3.92	22.36	0.43	0.72	0.97	0.86		< 0.2	< 0.2	34	356	< 2	31	< 2	33	1.31	7	< 5
1428024145	24	moderate	36.0	8.90	73.7	1.95	37.72	0.63	1.21	1.21	1.42		0.2	0.2	44	960	< 2	48	2	227	1.87	8	< 5
1428028066	90	moderate	-0.727	8.97	42.8	0.983	43.48	0.48	1.39	0.69	1.55		0.2	< 0.2	80	351	< 2	19	< 2	29	1.00	5	< 5
1428032066	20	strong	72.6	8.83	73.1	154	0.48	0.35	0.02	1.03	0.13		< 0.2	< 0.2	77	884	< 2	60	< 2	41	3.16	5	< 5
1428024138	230	moderate	66.9	8.70	109	2.58	42.30	0.70	1.35	1.57	1.59		1.1	1.3	94	1240	< 2	57	< 2	383	1.85	8	< 5
F015319	576																						
F016066	552																						
GC23-2010-004	831	none	-70.0	7.73	8.44	0.108	78.48	1.07	2.51	0.08	2.87		1.8	10.0	117	607	< 2	18	21	2130	1.44	108	< 5
GC23-0463-003	220	slight	19.6	8.89	75.5	1.35	55.92	0.48	1.79	0.98	1.95		1.9	0.4	16	907	< 2	17	19	148	0.91	24	< 5
GC23-0462-008	105	moderate	4.77	8.49	71.0	1.07	66.20	0.69	2.12	1.45	2.35		1.3	1.3	54	880	< 2	14	44	405	0.66	65	< 5
1428007111	36	moderate	35.4	9.15	60.8	2.39	25.46	0.41	0.81	0.84	0.95		< 0.2	< 0.2	31	434	< 2	22	2	40	1.45	5	< 5
GC23-2020-007	825	slight	-20.0	8.25	31.6	0.613	51.60	0.59	1.65	0.41	1.85		0.9	2.8	25	852	< 2	17	14	439	1.30	96	< 5
GC23-2026-010	154	slight	17.4	8.66	58.1	1.43	40.73	0.50	1.30	0.80	1.47		0.6	1.3	25	1300	< 2	21	9	283	0.67	87	< 5
1428024622	140	moderate	-30.7	8.20	74.8	0.709	105.45	1.64	3.37	2.03	3.92		2.4	12.0	117	2650	< 2	61	< 2	2260	3.03	28	< 5
1428024666	154	moderate	75.4	8.98	105	3.55	29.52	0.77	0.94	1.38	1.20		1.1	1.1	26	1110	< 2	57	7	376	2.48	20	< 5
1315029140	246	slight	-6.06	8.86	24.0	0.798	30.02	0.43	0.96	0.17	1.10		1.7	1.1	268	568	< 2	45	17	321	3.70	36	12
GC23-0412-009	49	slight	36.7	8.96	70.6	2.08	33.89	0.35	1.08	0.99	1.20		0.9	< 0.2	10	1150	< 2	16	8	96	1.56	75	< 5

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1427004286	83	moderate	40.5	8.91	76.0	2.14	35.52	0.54	1.14	1.12	1.32		1.2	< 0.2	15	519	< 2	14	7	79	1.07	61	< 5
GC23-0110-009	108	slight	-33.4	8.29	6.94	0.172	40.30	0.41	1.29	0.17	1.43		0.5	3.7	30	452	< 2	15	4	874	1.79	65	< 5
1428024066	326	moderate	-59.8	8.20	61.2	0.506	121.07	2.38	3.87	1.91	4.67		3.4	0.9	121	2290	< 2	85	2	578	3.44	34	< 5
1428024109	194	moderate	80.7	9.03	103	4.57	22.60	0.48	0.72	1.40	0.88		1.0	0.3	38	1110	< 2	33	< 2	196	1.72	38	< 5
1428028042	39	slight	-22.0	8.63	38.7	0.638	60.65	0.64	1.94	0.53	2.15		< 0.2	< 0.2	53	216	< 2	20	< 2	24	0.78	3	< 5
1428007121	17	moderate	21.8	9.61	34.5	2.72	12.69	0.28	0.41	0.49	0.50		< 0.2	< 0.2	70	366	3	36	< 2	36	1.60	3	< 5
1428028131	151	moderate	17.8	9.03	59.7	1.42	41.88	0.51	1.34	0.88	1.51		0.3	< 0.2	173	294	< 2	20	< 2	22	1.15	< 3	< 5
1428028039	92	moderate	-12.5	8.83	54.4	0.813	66.96	0.90	2.14	1.09	2.44		0.3	< 0.2	137	428	4	31	2	40	1.53	5	< 5
GC23-0383-020	83	moderate	-17.2	9.09	29.0	0.627	46.28	0.60	1.48	0.84	1.68		0.5	0.3	17	918	< 2	14	23	167	1.41	36	< 5
GC23-0460-021	225	moderate	6.80	8.72	69.5	1.11	62.67	0.62	2.01	1.20	2.21		3.0	0.4	38	1130	< 2	13	173	153	0.84	47	< 5
GC23-0494-018	147	none	11.0	8.94	67.0	1.20	55.97	0.48	1.79	1.02	1.95		0.4	< 0.2	26	898	< 2	14	13	55	1.11	39	< 5
1428007177	37	moderate	56.5	9.46	75.5	3.98	18.97	0.28	0.61	0.51	0.70		0.3	< 0.2	56	263	< 2	16	< 2	23	1.16	< 3	< 5
1428024605	397	moderate	-70.5	8.30	22.1	0.238	92.60	1.92	2.96	1.62	3.60		3.7	8.5	247	2220	< 2	68	< 2	2080	2.99	32	< 5
F016468	561																						

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
1428005020	15	< 1	4	3.99	32	407	5.18	9	7	0.04	2.83	0.043	0.029	5	11.4	< 5	< 5	73	2	< 2	0.05	< 10	86
1428005050	35	< 1	3	1.79	9	239	2.39	6	13	0.11	0.76	0.057	0.041	< 5	1.2	< 5	< 5	32	1	< 2	< 0.01	< 10	14
1428015646	32	< 1	4	2.21	8	155	2.19	4	11	0.17	0.81	0.060	0.044	< 5	0.5	< 5	< 5	49	< 1	< 2	< 0.01	< 10	5
1428005168	47	< 1	< 2	1.64	8	247	2.47	6	13	0.17	0.80	0.070	0.041	< 5	1.1	< 5	< 5	20	< 1	< 2	< 0.01	< 10	14
GC23-0286-006	33	< 1	< 2	2.10	13	143	3.03	2	10	0.28	0.10	0.025	0.045	10	0.4	< 5	< 5	19	1	< 2	< 0.01	< 10	4
1428005118	34	< 1	4	1.79	9	435	2.72	5	14	0.16	0.86	0.083	0.039	< 5	1.0	< 5	< 5	39	< 1	< 2	< 0.01	< 10	14
1428005134	49	< 1	3	2.27	8	209	2.09	4	12	0.14	0.68	0.073	0.039	< 5	0.9	< 5	< 5	54	< 1	< 2	< 0.01	< 10	9
GC23-0238-002	39	< 1	3	2.37	9	196	1.79	3	16	0.28	0.37	0.055	0.041	< 5	0.5	< 5	< 5	45	< 1	< 2	< 0.01	< 10	5
GC23-0269-006	36	< 1	4	1.84	6	114	2.02	2	11	0.22	0.68	0.026	0.038	< 5	0.4	< 5	< 5	19	< 1	< 2	< 0.01	< 10	4
1428005642	49	< 1	3	2.08	10	268	2.43	5	17	0.15	0.82	0.075	0.043	< 5	1.1	< 5	< 5	47	< 1	< 2	< 0.01	< 10	12
GC23-0271-005	29	< 1	2	1.30	9	74	1.64	2	14	0.35	0.17	0.044	0.042	< 5	0.6	< 5	< 5	33	< 1	< 2	< 0.01	< 10	5
1315024328	23	< 1	2	1.52	8	167	3.43	2	8	0.23	0.38	0.028	0.040	< 5	0.4	< 5	< 5	33	< 1	< 2	< 0.01	< 10	3
GC23-2002-004	37	< 1	3	1.94	7	161	2.78	7	13	0.41	1.52	0.148	0.037	< 5	1.3	< 5	< 5	37	< 1	< 2	0.03	< 10	14
1428015014	47	< 1	< 2	2.52	7	299	2.17	5	15	0.25	0.79	0.100	0.042	< 5	0.6	< 5	< 5	44	< 1	< 2	< 0.01	< 10	7
1315024242	23	< 1	2	2.05	8	92	2.45	2	12	0.25	0.90	0.035	0.041	< 5	0.6	< 5	< 5	28	< 1	< 2	< 0.01	< 10	5
GC23-0273-006	40	< 1	4	2.02	7	164	1.56	5	15	0.18	0.47	0.235	0.037	< 5	0.8	< 5	< 5	165	1	< 2	0.04	< 10	9
GC23-0380-002	28	< 1	3	1.48	8	141	2.40	3	12	0.17	0.39	0.058	0.036	< 5	0.5	< 5	< 5	32	< 1	< 2	< 0.01	< 10	5
1428005604	11	< 1	2	3.35	48	550	5.38	7	1	0.01	3.13	0.066	0.021	< 5	6.4	< 5	< 5	61	< 1	< 2	0.18	< 10	76
1428012036	7	< 1	4	3.49	42	465	5.44	8	1	< 0.01	3.54	0.050	0.020	< 5	7.2	< 5	< 5	43	5	< 2	0.22	< 10	89
F016046																							
1428015078	27	< 1	3	2.13	7	138	2.17	3	7	0.16	0.99	0.050	0.041	< 5	0.5	< 5	< 5	34	4	< 2	< 0.01	< 10	3
GC23-0313-002	46	< 1	< 2	2.00	7	166	2.02	4	16	0.26	0.84	0.038	0.041	< 5	0.8	< 5	< 5	23	2	< 2	< 0.01	< 10	7
GC23-0244-002	32	< 1	< 2	0.86	6	190	1.93	< 1	8	0.25	0.17	0.024	0.037	< 5	0.4	< 5	< 5	52	< 1	< 2	< 0.01	< 10	4
GC23-0400-003	26	< 1	4	0.89	12	121	2.55	6	9	0.12	0.76	0.074	0.051	< 5	1.3	< 5	< 5	44	< 1	< 2	< 0.01	< 10	11
1429020302	13	< 1	5	3.84	27	60	10.2	18	6	0.07	1.77	0.133	0.116	6	13.9	< 5	< 5	68	< 1	< 2	0.13	< 10	111
GC23-9012-035	31	< 1	4	2.50	8	72	2.36	3	6	0.19	1.53	0.065	0.041	< 5	0.9	< 5	< 5	51	1	< 2	< 0.01	< 10	6
1429020391	39	< 1	6	3.85	35	161	10.0	15	3	0.71	2.53	0.174	0.058	7	15.6	< 5	< 5	55	4	< 2	0.17	< 10	223
GC23-0285-005	22	< 1	< 2	1.93	10	132	2.98	2	19	0.30	0.06	0.022	0.045	< 5	0.4	< 5	< 5	30	< 1	< 2	< 0.01	< 10	4
GC23-9012-026	36	< 1	4	2.58	10	107	2.30	6	9	0.12	1.20	0.079	0.043	< 5	0.9	< 5	< 5	60	2	< 2	< 0.01	< 10	9
1315024283	36	< 1	3	2.26	11	211	2.76	3	23	0.34	0.98	0.046	0.063	< 5	1.4	< 5	< 5	39	1	< 2	< 0.01	< 10	11
GC23-9012-060	31	< 1	2	1.50	7	131	2.12	3	5	0.16	0.86	0.048	0.038	< 5	0.6	< 5	< 5	51	2	< 2	< 0.01	< 10	4
GC23-0226-002	36	< 1	3	2.30	6	148	2.05	3	12	0.28	1.01	0.030	0.038	6	0.5	< 5	< 5	22	< 1	< 2	< 0.01	< 10	4
GC23-0239-002	44	< 1	< 2	1.33	6	192	1.87	2	11	0.35	0.44	0.023	0.039	10	0.5	< 5	< 5	17	2	< 2	< 0.01	< 10	5
1428015042	33	< 1	3	1.88	7	154	2.15	4	9	0.17	1.16	0.062	0.042	< 5	0.6	< 5	< 5	37	2	< 2	< 0.01	< 10	6
GC23-0375-008	19	< 1	< 2	1.00	117	1210	6.23	10	6	0.10	4.66	0.045	0.029	8	3.8	< 5	< 5	16	< 1	< 2	0.14	< 10	68
1428005676	43	< 1	2	1.89	8	225	2.16	6	13	0.11	0.83	0.085	0.045	< 5	1.3	< 5	< 5	40	< 1	< 2	< 0.01	< 10	13
GC23-0270-006	29	< 1	< 2	1.25	6	127	2.26	4	16	0.23	0.87	0.038	0.039	< 5	0.5	< 5	< 5	18	3	< 2	< 0.01	< 10	6
GC23-0259-005	28	< 1	< 2	1.08	7	134	1.69	1	9	0.36	0.13	0.022	0.036	< 5	0.4	< 5	< 5	86	< 1	< 2	< 0.01	< 10	4
GC23-0229-006	32	< 1	4	1.61	7	211	2.29	3	17	0.35	0.64	0.033	0.041	< 5	0.5	< 5	< 5	20	1	< 2	< 0.01	< 10	6
GC23-0377-002	7	< 1	2	0.50	8	252	3.53	2	9	0.38	0.09	0.028	0.043	13	0.6	< 5	< 5	12	< 1	< 2	< 0.01	< 10	6
1429020344	36	< 1	6	4.32	32	136	9.26	16	3	0.26	2.74	0.238	0.061	6	16.0	< 5	< 5	65	2	< 2	0.15	< 10	222
1429020122	30	< 1	6	4.14	32	119	7.56	11	2	0.28	2.69	0.296	0.035	< 5	6.7	< 5	< 5	82	2	< 2	0.04	< 10	157
1429020211	29	< 1	5	4.41	36	95	9.56	16	4	0.22	3.04	0.080	0.062	6	13.8	< 5	< 5	55	< 1	< 2	0.15	< 10	193
F016047																							
1428019112	28	< 1	8	4.35	36	146	8.53	10	5	0.10	2.08	0.049	0.050	6	10.5	< 5	< 5	51	5	< 2	< 0.01	< 10	110
1315027013	32	< 1	4	1.59	6	375	1.99	6	16	0.24	0.79	0.170	0.039	< 5	0.7	< 5	< 5	51	2	< 2	0.02	< 10	9
1315027007	42	< 1	5	1.48	7	322	2.14	9	17	0.24	1.05	0.176	0.037	< 5	0.9	< 5	< 5	59	4	< 2	0.02	< 10	10
1315027635	30	< 1	< 2	1.70	7	154	2.15	6	17	0.21	0.92	0.093	0.039	< 5	0.7	< 5	< 5	42	3	< 2	0.02	< 10	10
1428019129	52	< 1	6	4.59	48	157	8.08	12	6	0.16	3.91	0.028	0.051	< 5	10.2	< 5	< 5	74	4	< 2	0.06	< 10	119
1315027616	31	< 1	4	1.88	7	162	2.03	6	18	0.23	0.79	0.144	0.040	< 5	0.7	< 5	< 5	58	< 1	< 2	0.02	< 10	7
1428019655	24	< 1	5	4.62	38	126	8.96	15	4	0.12	2.57	0.131	0.050	< 5	13.1	< 5	< 5	59	< 1	< 2	0.13	< 10	180

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
1315027610	40	< 1	4	1.51	7	384	2.26	6	16	0.26	1.00	0.111	0.038	< 5	1.1	< 5	< 5	51	1	< 2	0.03	< 10	14
1428019934	51	< 1	4	4.03	31	123	6.54	10	8	0.28	1.94	0.170	0.049	< 5	7.0	< 5	< 5	66	3	< 2	0.11	< 10	112
GC23-0476-009	38	< 1	2	1.81	8	165	2.15	6	7	0.23	1.02	0.088	0.041	< 5	0.9	< 5	< 5	48	2	< 2	< 0.01	< 10	8
GC23-0499-002	33	< 1	5	1.43	8	171	2.15	6	8	0.18	1.14	0.096	0.046	< 5	0.8	< 5	< 5	45	2	< 2	< 0.01	< 10	8
GC23-0324-002	34	< 1	< 2	1.68	9	144	2.06	3	16	0.29	0.79	0.036	0.040	< 5	0.6	< 5	< 5	22	< 1	< 2	< 0.01	< 10	6
GC23-0456-002	34	< 1	3	2.36	7	205	1.94	3	7	0.22	0.95	0.065	0.039	< 5	0.7	< 5	< 5	45	< 1	< 2	< 0.01	< 10	4
GC23-0460-009	26	< 1	6	1.65	9	123	2.53	4	6	0.14	1.06	0.077	0.041	< 5	0.8	< 5	< 5	40	4	< 2	< 0.01	< 10	7
1428015214	34	< 1	3	1.01	7	300	2.21	6	16	0.17	1.28	0.077	0.042	< 5	0.7	< 5	< 5	23	< 1	< 2	< 0.01	< 10	8
1428019111	36	< 1	7	4.17	29	97	7.35	10	7	0.08	2.25	0.064	0.053	< 5	9.9	< 5	< 5	55	< 1	< 2	< 0.01	< 10	97
1315027084	36	< 1	3	0.87	10	180	2.76	4	17	0.29	0.58	0.065	0.038	< 5	0.8	< 5	< 5	23	3	< 2	0.04	< 10	8
1315027004	35	< 1	3	1.54	6	168	2.04	8	16	0.22	1.04	0.222	0.037	< 5	0.7	< 5	< 5	57	2	< 2	0.01	< 10	8
1428019925	21	< 1	5	4.60	36	114	9.12	14	5	0.08	2.73	0.118	0.053	< 5	11.7	< 5	< 5	71	< 1	< 2	0.12	< 10	160
GC23-0030-010	38	< 1	2	0.96	6	96	2.76	4	16	0.40	0.63	0.025	0.038	< 5	0.7	< 5	< 5	28	< 1	< 2	0.04	< 10	8
1428019222	58	< 1	6	3.85	51	257	9.87	15	2	0.05	4.39	0.032	0.039	6	10.7	< 5	< 5	31	1	< 2	0.10	< 10	166
GC23-0077-014	35	< 1	3	1.32	7	103	2.43	1	10	0.24	0.46	0.024	0.041	< 5	0.3	< 5	< 5	35	< 1	< 2	< 0.01	< 10	3
GC23-0042-010	49	< 1	2	0.42	8	253	3.02	4	15	0.36	0.86	0.028	0.038	< 5	0.7	< 5	< 5	13	1	< 2	0.04	< 10	10
GC23-0492-007	38	< 1	3	1.91	8	174	2.18	7	13	0.19	0.93	0.158	0.041	< 5	0.9	< 5	< 5	72	1	< 2	< 0.01	< 10	9
F016044																							
1428020127	30	< 1	6	4.20	54	191	9.15	13	4	0.07	4.47	0.027	0.035	5	12.0	< 5	< 5	57	< 1	< 2	0.10	< 10	137
1428031003	29	< 1	3	2.05	7	206	2.09	3	14	0.15	0.93	0.062	0.043	< 5	0.7	< 5	< 5	27	< 1	< 2	< 0.01	< 10	7
1428031050	26	< 1	< 2	2.36	7	178	2.06	4	11	0.16	0.82	0.054	0.041	< 5	0.5	< 5	< 5	41	1	< 2	< 0.01	< 10	4
1428031041	33	< 1	3	2.70	7	163	2.07	3	13	0.16	1.03	0.075	0.041	< 5	0.6	< 5	< 5	101	< 1	< 2	< 0.01	< 10	5
1428031023	28	< 1	3	1.70	7	170	2.24	3	9	0.17	0.51	0.057	0.044	< 5	0.4	< 5	< 5	34	1	< 2	< 0.01	< 10	3
1428020219	12	< 1	5	5.03	37	49	9.66	16	4	0.06	2.38	0.047	0.042	< 5	19.8	< 5	< 5	42	< 1	< 2	0.14	< 10	494
1428020167	21	< 1	6	4.48	33	193	7.54	14	5	0.12	2.45	0.256	0.041	< 5	8.2	< 5	< 5	66	< 1	< 2	0.13	< 10	160
1428032673	30	< 1	4	1.14	7	190	2.06	3	9	0.16	0.81	0.052	0.028	< 5	0.5	< 5	< 5	31	2	< 2	< 0.01	< 10	6
1428026612	47	< 1	3	2.99	16	215	3.61	5	17	0.18	1.72	0.073	0.056	< 5	2.1	< 5	< 5	47	2	< 2	< 0.01	< 10	28
GC23-0466-002	19	< 1	4	1.90	8	96	2.01	4	8	0.09	0.70	0.072	0.043	< 5	0.6	< 5	< 5	32	3	< 2	< 0.01	< 10	6
1428020117	22	< 1	5	4.70	36	76	10.3	16	3	0.10	2.72	0.130	0.042	5	21.1	< 5	< 5	88	1	< 2	0.18	< 10	456
1428020126	11	< 1	5	4.16	50	163	8.98	15	3	0.02	4.36	0.032	0.036	< 5	14.2	< 5	< 5	59	< 1	< 2	0.12	< 10	160
1428031173	34	< 1	3	2.05	7	301	2.20	4	8	0.21	0.98	0.075	0.039	< 5	0.7	< 5	< 5	55	< 1	< 2	< 0.01	< 10	6
1428031075	33	< 1	3	2.29	7	133	1.90	3	14	0.16	0.76	0.061	0.040	< 5	0.5	< 5	< 5	32	< 1	< 2	< 0.01	< 10	4
1428020204	45	< 1	2	4.58	31	82	7.59	13	7	0.25	2.16	0.124	0.043	< 5	16.0	< 5	< 5	58	2	< 2	0.17	< 10	356
1428020138	35	< 1	3	5.14	33	81	8.39	10	7	0.11	2.22	0.055	0.046	< 5	13.8	< 5	< 5	49	2	< 2	0.18	< 10	335
1428031141	35	< 1	< 2	1.39	7	173	1.97	4	15	0.18	0.76	0.088	0.041	< 5	0.5	< 5	< 5	35	2	< 2	< 0.01	< 10	6
GC23-0451-002	33	< 1	< 2	3.28	9	177	2.45	2	9	0.16	0.84	0.066	0.048	< 5	0.7	< 5	< 5	71	3	< 2	< 0.01	< 10	3
1428031158	29	< 1	3	0.64	7	144	2.29	5	11	0.12	0.91	0.059	0.043	< 5	0.6	< 5	< 5	28	1	< 2	< 0.01	< 10	7
F016045																							
1315033602	25	< 1	5	1.42	7	271	3.88	5	12	0.20	1.07	0.026	0.040	< 5	0.6	< 5	< 5	17	< 1	< 2	< 0.01	< 10	8
1315033614	25	< 1	4	2.15	8	194	2.61	3	13	0.25	0.75	0.041	0.044	< 5	0.6	< 5	< 5	26	< 1	< 2	< 0.01	< 10	5
STUG23-3694	24	< 1	< 2	0.38	8	152	2.75	2	10	0.23	0.26	0.042	0.025	47	0.4	< 5	< 5	14	4	< 2	< 0.01	< 10	5
1428032079	20	< 1	4	1.06	8	147	1.98	4	8	0.10	0.80	0.040	0.043	< 5	1.0	< 5	< 5	27	2	< 2	< 0.01	< 10	8
STUG23-3903	47	< 1	< 2	0.89	8	126	1.19	3	18	0.26	0.21	0.061	0.055	< 5	0.8	< 5	< 5	38	< 1	< 2	0.04	< 10	6
STUG23-3814	43	< 1	< 2	0.85	9	282	2.47	6	20	0.35	0.81	0.067	0.044	7	1.2	< 5	< 5	27	2	< 2	0.03	< 10	14
GC23-0458-008	42	< 1	< 2	2.65	6	117	1.22	2	9	0.17	0.50	0.082	0.045	< 5	0.6	< 5	< 5	69	1	< 2	< 0.01	< 10	3
1428020052	31	< 1	3	2.21	14	146	4.72	5	12	0.20	1.29	0.091	0.041	< 5	2.6	< 5	< 5	42	3	< 2	0.04	< 10	47
GC23-0457-009	33	< 1	3	1.86	7	158	2.21	4	5	0.22	1.24	0.067	0.033	< 5	0.8	< 5	< 5	44	< 1	< 2	< 0.01	< 10	6
GC23-0406-018	34	< 1	4	1.61	7	210	2.40	4	9	0.26	1.04	0.074	0.040	< 5	0.7	< 5	< 5	45	3	< 2	< 0.01	< 10	6
GC23-0445-002	28	< 1	2	1.09	9	196	2.32	4	7	0.14	0.68	0.058	0.044	< 5	0.7	< 5	< 5	30	1	< 2	< 0.01	< 10	6
1428020028	26	< 1	4	3.49	25	119	8.03	13	7	0.38	2.13	0.203	0.075	5	8.6	< 5	< 5	81	3	< 2	0.15	< 10	129
1428020915	23	< 1	5	4.44	38	145	9.27	16	4	0.15	2.66	0.085	0.056	< 5	17.3	< 5	< 5	66	< 1	< 2	0.16	< 10	223

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
1428020105	76	< 1	4	2.59	9	186	2.48	9	16	0.45	1.21	0.392	0.047	< 5	1.9	< 5	< 5	111	2	< 2	0.06	< 10	25
1315033685	23	< 1	4	1.50	8	177	2.85	4	15	0.20	1.16	0.040	0.041	< 5	0.7	< 5	< 5	23	3	< 2	0.01	< 10	7
GC23-0469-004	31	< 1	3	1.87	7	131	1.96	4	8	0.16	0.77	0.097	0.039	< 5	0.6	< 5	< 5	42	4	< 2	< 0.01	< 10	5
1428006038	23	< 1	8	4.63	30	179	7.89	11	5	0.09	2.22	0.068	0.045	< 5	8.7	< 5	< 5	62	2	< 2	< 0.01	< 10	107
1428020048	27	< 1	5	4.18	36	39	10.1	15	3	0.20	2.82	0.097	0.045	6	17.3	< 5	< 5	76	2	< 2	0.13	< 10	363
F016052																							
1428018660	86	< 1	3	2.43	8	468	2.52	7	18	0.26	0.86	0.139	0.044	< 5	1.5	< 5	< 5	74	< 1	< 2	< 0.01	< 10	17
1428018086	22	< 1	5	4.11	30	294	7.37	10	5	0.13	2.42	0.071	0.051	< 5	8.0	< 5	< 5	44	2	< 2	0.03	< 10	103
1315025011	26	< 1	3	2.71	11	297	2.97	6	19	0.51	1.60	0.090	0.065	< 5	2.5	< 5	< 5	70	3	< 2	0.02	< 10	20
1428018060	63	< 1	2	2.61	12	387	2.84	6	23	0.20	0.98	0.100	0.049	< 5	1.8	< 5	< 5	59	2	3	< 0.01	< 10	17
1314016002	23	< 1	5	0.79	11	94	4.47	6	11	0.20	1.70	0.024	0.040	< 5	0.7	< 5	< 5	13	< 1	< 2	0.01	< 10	11
1314016004	24	< 1	5	0.47	9	142	5.00	8	13	0.24	1.58	0.027	0.039	< 5	0.8	< 5	< 5	11	< 1	< 2	0.01	< 10	12
GC23-2003-005	14	< 1	4	3.36	22	183	3.88	11	2	0.05	1.60	0.591	0.019	< 5	4.9	< 5	< 5	59	3	< 2	0.22	< 10	110
GC23-0167-008	25	< 1	4	1.94	10	217	3.09	2	9	0.32	0.69	0.034	0.044	< 5	0.7	< 5	< 5	23	< 1	< 2	< 0.01	< 10	7
GC23-0480-013	26	< 1	< 2	1.85	14	133	2.64	3	5	0.18	0.96	0.055	0.037	< 5	0.6	< 5	< 5	33	2	< 2	< 0.01	< 10	4
1428018028	32	< 1	4	2.98	15	134	3.81	6	11	0.12	1.35	0.072	0.046	< 5	2.5	< 5	< 5	39	2	< 2	< 0.01	< 10	30
1315025082	35	< 1	4	2.30	9	193	2.69	5	17	0.39	1.31	0.149	0.044	< 5	1.1	< 5	< 5	48	< 1	< 2	0.01	< 10	12
1428020003	50	< 1	4	2.07	8	176	2.62	5	15	0.23	1.18	0.193	0.043	< 5	1.2	< 5	< 5	61	< 1	< 2	0.01	< 10	14
1315033079	30	< 1	5	0.39	9	227	4.82	7	14	0.29	1.44	0.029	0.038	< 5	1.0	< 5	< 5	15	< 1	< 2	0.03	< 10	12
1315033904	26	< 1	4	0.47	7	199	4.82	5	12	0.19	1.08	0.024	0.036	< 5	0.8	< 5	< 5	10	< 1	< 2	0.02	< 10	10
1428019005	33	< 1	4	3.70	31	168	7.35	11	12	0.16	2.06	0.097	0.056	< 5	6.9	< 5	< 5	53	6	< 2	0.15	< 10	121
1428019031	68	< 1	3	2.39	10	239	2.61	9	17	0.24	1.09	0.264	0.047	< 5	1.7	< 5	< 5	94	< 1	< 2	0.05	< 10	23
1428019666	35	< 1	4	3.99	26	161	6.06	8	8	0.11	1.18	0.080	0.049	< 5	6.5	< 5	< 5	51	2	< 2	0.02	< 10	69
1428018628	48	< 1	3	2.28	8	396	2.38	6	13	0.13	0.85	0.118	0.044	< 5	1.7	< 5	< 5	55	1	< 2	< 0.01	< 10	17
1428018056	41	< 1	3	2.28	8	181	2.15	5	15	0.15	0.60	0.057	0.038	< 5	0.8	< 5	< 5	53	< 1	< 2	0.02	< 10	9
1428018612	45	< 1	3	2.04	7	226	1.86	4	14	0.16	0.78	0.063	0.042	< 5	0.8	< 5	< 5	41	< 1	< 2	< 0.01	< 10	9
1315025135	48	< 1	2	1.91	10	255	2.13	5	17	0.23	0.79	0.059	0.045	< 5	1.4	< 5	< 5	37	< 1	< 2	0.06	< 10	16
1315025008	32	< 1	6	1.96	7	295	2.43	6	12	0.29	1.58	0.039	0.039	< 5	0.8	< 5	< 5	26	< 1	< 2	< 0.01	< 10	10
1428018670	53	< 1	2	2.25	8	394	2.25	5	13	0.18	0.65	0.068	0.040	< 5	0.9	< 5	< 5	48	1	< 2	0.02	< 10	10
1315033678	27	< 1	4	2.19	8	165	2.33	7	14	0.21	0.95	0.147	0.041	< 5	0.7	< 5	< 5	66	< 1	< 2	0.03	< 10	8
1428006026	30	< 1	4	3.39	20	163	4.49	7	11	0.09	1.78	0.068	0.048	< 5	2.9	< 5	< 5	42	3	< 2	< 0.01	< 10	55
F016043																							
GC23-0336-004	24	< 1	< 2	2.50	6	177	1.39	2	12	0.19	0.49	0.026	0.035	< 5	0.4	< 5	< 5	14	< 1	< 2	0.01	< 10	3
GC23-0106-010	11	< 1	3	0.50	6	188	1.29	8	6	0.02	0.35	0.034	0.036	< 5	1.3	< 5	< 5	17	< 1	< 2	< 0.01	< 10	10
1429020436	54	< 1	4	3.43	36	120	9.20	13	4	0.72	2.28	0.088	0.058	7	13.0	< 5	< 5	48	2	< 2	0.15	< 10	192
GC23-0330-003	29	< 1	< 2	1.13	7	187	2.03	3	15	0.26	0.46	0.036	0.040	< 5	0.5	< 5	< 5	19	3	< 2	< 0.01	< 10	5
GC23-9012-046	23	< 1	3	1.58	8	110	1.91	3	6	0.14	1.17	0.044	0.038	< 5	0.6	< 5	< 5	45	2	< 2	< 0.01	< 10	4
GC23-0352-005	5	< 1	11	1.17	489	600	25.5	< 1	< 1	< 0.01	1.69	0.011	0.017	13	3.9	25	< 5	52	18	< 2	< 0.01	< 10	42
1429020072	25	< 1	2	3.48	30	235	6.62	12	11	0.11	1.74	0.251	0.084	< 5	18.0	< 5	< 5	45	2	< 2	0.21	< 10	211
1429020052	55	< 1	< 2	3.36	23	178	5.82	11	7	0.38	1.69	0.123	0.047	< 5	12.8	< 5	< 5	47	1	< 2	0.17	< 10	206
1315027001	33	< 1	5	1.61	6	238	1.92	7	17	0.20	0.89	0.275	0.038	< 5	0.7	< 5	< 5	61	1	< 2	0.02	< 10	8
1428019116	26	< 1	6	3.82	40	108	8.85	13	4	0.18	2.58	0.080	0.052	< 5	7.7	< 5	< 5	60	5	< 2	0.12	< 10	146
1429020427	34	< 1	4	4.53	29	124	9.13	15	5	0.27	1.75	0.262	0.087	< 5	13.0	< 5	< 5	66	5	< 2	0.18	< 10	134
GC23-0448-006	36	< 1	3	2.29	9	177	2.45	3	8	0.21	0.99	0.083	0.047	< 5	0.8	< 5	< 5	86	< 1	< 2	< 0.01	< 10	6
1429020104	22	< 1	3	2.72	28	205	7.81	15	7	0.10	1.34	0.247	0.136	< 5	14.0	< 5	< 5	20	4	< 2	0.18	< 10	91
1428015028	27	< 1	< 2	2.54	7	120	2.02	2	16	0.15	0.72	0.069	0.046	< 5	0.5	< 5	< 5	39	2	< 2	< 0.01	< 10	4
GC23-0306-002	39	< 1	< 2	1.68	7	156	1.70	1	14	0.21	0.60	0.032	0.041	< 5	0.4	< 5	< 5	33	< 1	< 2	< 0.01	< 10	3
GC23-0311-005	22	< 1	4	0.77	107	1150	4.96	8	6	0.06	4.76	0.051	0.031	8	1.9	< 5	< 5	22	2	< 2	0.09	< 10	57
GC23-0174-007	12	< 1	5	1.40	293	1250	13.5	3	5	0.10	3.64	0.023	0.029	12	3.9	9	< 5	33	6	< 2	0.04	< 10	58
GC23-0456-008	24	< 1	3	1.58	8	95	2.18	5	8	0.14	1.00	0.069	0.042	< 5	0.8	< 5	< 5	39	3	< 2	< 0.01	< 10	6
1429020032	28	< 1	3	3.14	28	175	6.24	12	8	0.11	1.87	0.168	0.058	7	14.1	< 5	< 5	46	2	< 2	0.18	< 10	235

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
1429020448	38	< 1	5	4.13	38	112	9.34	15	3	0.54	2.47	0.186	0.059	5	14.2	< 5	< 5	56	< 1	< 2	0.15	< 10	204
F016059																							
1428031037	30	< 1	3	1.73	7	251	2.11	2	6	0.19	0.93	0.052	0.038	< 5	0.5	< 5	< 5	46	3	< 2	< 0.01	< 10	4
1428020235	11	< 1	5	4.27	37	221	8.26	14	3	0.06	2.88	0.116	0.042	< 5	6.0	< 5	< 5	36	< 1	< 2	0.11	< 10	166
1428032078	13	< 1	3	0.38	12	260	2.00	6	8	0.05	0.46	0.036	0.045	< 5	1.4	< 5	< 5	19	3	< 2	< 0.01	< 10	10
1428032611	27	< 1	4	1.77	8	172	2.32	2	8	0.16	1.05	0.048	0.039	< 5	0.6	< 5	< 5	33	< 1	< 2	< 0.01	< 10	4
1428032023	26	< 1	5	1.61	7	191	2.09	3	6	0.14	1.15	0.045	0.035	< 5	0.6	< 5	< 5	30	1	< 2	< 0.01	< 10	4
1428032663	21	< 1	< 2	1.40	8	142	2.27	2	6	0.15	0.68	0.039	0.036	8	0.4	< 5	< 5	19	< 1	< 2	< 0.01	< 10	3
1428024125	49	< 1	4	3.41	23	298	5.29	8	12	0.19	2.06	0.071	0.059	< 5	5.8	< 5	< 5	73	3	< 2	0.02	< 10	55
1428032088	10	< 1	4	3.43	43	307	9.31	14	4	0.02	3.21	0.028	0.038	6	12.6	< 5	< 5	57	< 1	< 2	0.22	< 10	180
1428024132	28	< 1	4	3.19	24	201	6.32	7	5	0.21	2.00	0.053	0.048	< 5	6.1	< 5	< 5	35	< 1	< 2	0.03	< 10	61
1428028056	28	< 1	< 2	2.53	16	215	4.11	6	8	0.13	1.23	0.077	0.039	< 5	4.3	< 5	< 5	44	< 1	< 2	0.05	< 10	101
1428032094	23	< 1	3	2.39	15	328	3.06	7	12	0.07	1.51	0.052	0.038	< 5	4.5	< 5	< 5	42	1	< 2	< 0.01	< 10	35
1428032070	37	< 1	< 2	2.34	11	334	2.54	6	13	0.13	0.92	0.070	0.042	< 5	1.8	< 5	< 5	58	3	< 2	< 0.01	< 10	19
1428024145	45	< 1	3	2.81	15	288	3.56	7	14	0.15	1.58	0.066	0.052	< 5	3.2	< 5	< 5	61	1	< 2	< 0.01	< 10	28
1428028066	27	< 1	3	1.71	8	260	2.15	4	13	0.15	0.73	0.066	0.038	< 5	0.6	< 5	< 5	42	3	< 2	< 0.01	< 10	7
1428032066	7	< 1	3	2.88	36	256	8.10	12	3	< 0.01	3.05	0.027	0.040	< 5	13.0	< 5	< 5	46	3	< 2	0.23	< 10	186
1428024138	39	< 1	3	3.16	17	212	4.00	5	12	0.14	1.87	0.045	0.046	< 5	3.3	< 5	< 5	59	3	< 2	< 0.01	< 10	28
F015319																							
F016066																							
GC23-2010-004	27	< 1	3	0.31	8	287	4.35	4	16	0.35	0.68	0.023	0.039	< 5	0.7	< 5	< 5	11	< 1	< 2	0.04	< 10	10
GC23-0463-003	22	< 1	4	2.02	8	193	2.22	3	6	0.12	1.08	0.044	0.033	< 5	0.6	< 5	< 5	41	3	< 2	< 0.01	< 10	4
GC23-0462-008	30	< 1	5	3.54	9	118	2.43	1	6	0.15	0.71	0.058	0.049	< 5	0.6	< 5	< 5	63	< 1	< 2	< 0.01	< 10	3
1428007111	39	< 1	3	2.26	12	249	2.34	5	29	0.14	1.03	0.088	0.044	< 5	1.2	< 5	< 5	43	1	< 2	< 0.01	< 10	15
GC23-2020-007	27	< 1	4	1.33	6	267	2.71	4	16	0.32	0.75	0.025	0.037	< 5	0.5	< 5	< 5	18	< 1	< 2	0.01	< 10	7
GC23-2026-010	26	< 1	3	1.58	12	249	1.87	2	15	0.26	0.63	0.026	0.046	< 5	0.4	< 5	< 5	26	2	< 2	< 0.01	< 10	4
1428024622	25	< 1	5	3.18	26	158	8.98	9	6	0.07	2.41	0.036	0.055	< 5	9.4	< 5	< 5	29	6	< 2	0.03	< 10	105
1428024666	72	< 1	3	3.32	13	326	3.46	8	16	0.29	1.98	0.059	0.058	< 5	3.0	< 5	< 5	54	5	< 2	< 0.01	< 10	28
1315029140	16	< 1	4	2.38	21	159	4.40	8	4	0.11	1.90	0.314	0.025	< 5	4.5	< 5	< 5	44	< 1	< 2	0.19	< 10	96
GC23-0412-009	23	< 1	6	2.03	8	159	2.33	4	11	0.11	1.04	0.062	0.044	< 5	0.9	< 5	< 5	54	1	< 2	< 0.01	< 10	7
1427004286	31	< 1	3	3.39	6	161	1.70	3	6	0.17	0.31	0.064	0.035	< 5	0.8	< 5	< 5	38	< 1	< 2	< 0.01	< 10	5
GC23-0110-009	25	< 1	2	0.76	7	171	2.32	6	10	0.14	0.44	0.035	0.035	< 5	0.8	< 5	< 5	20	2	< 2	< 0.01	< 10	9
1428024066	26	< 1	7	3.36	31	314	10.2	12	7	0.09	3.07	0.030	0.075	7	12.4	< 5	< 5	70	1	< 2	0.04	< 10	129
1428024109	64	< 1	4	3.19	12	215	3.10	5	14	0.24	1.61	0.041	0.057	< 5	2.6	< 5	< 5	69	2	< 2	0.02	< 10	26
1428028042	30	< 1	4	1.29	8	314	2.52	3	13	0.13	0.55	0.076	0.039	< 5	0.7	< 5	< 5	35	3	< 2	< 0.01	< 10	9
1428007121	48	< 1	4	2.30	13	421	2.85	8	21	0.13	1.07	0.097	0.066	< 5	2.2	< 5	< 5	54	2	< 2	< 0.01	< 10	23
1428028131	34	< 1	3	2.40	9	220	2.43	5	13	0.15	0.83	0.074	0.049	< 5	0.9	< 5	< 5	50	2	< 2	< 0.01	< 10	8
1428028039	37	< 1	4	2.76	15	274	3.56	6	31	0.17	1.27	0.075	0.069	< 5	2.4	< 5	< 5	86	3	< 2	< 0.01	< 10	20
GC23-0383-020	35	< 1	2	1.93	7	195	2.22	4	7	0.26	0.81	0.069	0.041	< 5	0.7	< 5	< 5	39	< 1	< 2	< 0.01	< 10	6
GC23-0460-021	30	< 1	< 2	2.42	8	128	2.24	3	7	0.19	0.90	0.057	0.047	6	0.7	< 5	< 5	67	3	< 2	< 0.01	< 10	5
GC23-0494-018	27	< 1	3	1.93	8	93	2.19	3	7	0.14	1.12	0.059	0.048	< 5	0.7	< 5	< 5	39	2	< 2	< 0.01	< 10	4
1428007177	34	< 1	4	1.70	8	235	1.79	5	14	0.13	0.72	0.074	0.039	< 5	0.8	< 5	< 5	33	< 1	< 2	< 0.01	< 10	8
1428024605	33	< 1	6	2.93	28	211	8.67	9	7	0.14	2.34	0.038	0.045	5	7.3	< 5	< 5	40	4	< 2	0.02	< 10	65
F016468																							

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1428005020	3	5	8	0.941
1428005050	4	3	11	1.17
1428015646	2	2	10	1.51
1428005168	2	4	10	1.27
GC23-0286-006	< 1	3	19	3.27
1428005118	4	3	9	1.39
1428005134	2	3	7	0.772
GC23-0238-002	< 1	2	17	1.61
GC23-0269-006	< 1	2	14	1.57
1428005642	3	3	11	0.767
GC23-0271-005	< 1	3	17	1.83
1315024328	< 1	2	22	3.55
GC23-2002-004	< 1	2	13	1.90
1428015014	2	2	10	1.32
1315024242	< 1	2	14	1.97
GC23-0273-006	2	2	10	0.466
GC23-0380-002	< 1	2	15	1.97
1428005604	3	4	3	0.849
1428012036	1	5	2	0.458
F016046				
1428015078	< 1	2	8	1.77
GC23-0313-002	< 1	2	11	1.43
GC23-0244-002	< 1	2	15	1.81
GC23-0400-003	2	1	11	1.45
1429020302	2	17	8	0.961
GC23-9012-035	4	2	11	1.31
1429020391	3	9	6	2.14
GC23-0285-005	< 1	2	26	3.18
GC23-9012-026	2	3	9	0.941
1315024283	1	4	7	2.26
GC23-9012-060	1	2	12	1.92
GC23-0226-002	< 1	2	14	1.64
GC23-0239-002	< 1	2	14	1.55
1428015042	< 1	1	8	1.37
GC23-0375-008	< 1	2	9	1.64
1428005676	4	3	9	0.776
GC23-0270-006	< 1	2	20	1.77
GC23-0259-005	< 1	2	11	1.64
GC23-0229-006	< 1	2	16	1.98
GC23-0377-002	< 1	2	24	3.94
1429020344	< 1	12	5	0.822
1429020122	2	5	6	3.12
1429020211	2	13	7	0.744
F016047				
1428019112	< 1	8	5	2.96
1315027013	3	3	6	1.32
1315027007	1	3	6	1.17
1315027635	1	3	5	1.49
1428019129	< 1	7	4	0.688
1315027616	2	3	5	1.47
1428019655	< 1	11	4	0.665

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1315027610	2	3	7	1.15
1428019934	2	8	10	1.32
GC23-0476-009	< 1	2	11	1.66
GC23-0499-002	< 1	1	10	1.68
GC23-0324-002	1	3	13	1.36
GC23-0456-002	< 1	2	5	1.18
GC23-0460-009	< 1	2	8	2.31
1428015214	2	2	13	1.19
1428019111	< 1	5	10	1.72
1315027084	1	2	30	2.41
1315027004	1	3	7	1.30
1428019925	2	13	4	0.735
GC23-0030-010	2	2	23	1.99
1428019222	2	8	4	0.766
GC23-0077-014	< 1	1	17	2.13
GC23-0042-010	< 1	2	24	1.72
GC23-0492-007	< 1	2	12	1.66
F016044				
1428020127	2	8	4	0.463
1428031003	2	2	8	1.33
1428031050	< 1	2	6	1.31
1428031041	1	2	8	1.07
1428031023	< 1	2	8	2.00
1428020219	2	10	4	0.385
1428020167	2	8	5	0.544
1428032673	< 1	1	8	1.90
1428026612	2	5	11	1.68
GC23-0466-002	< 1	1	7	1.80
1428020117	2	8	5	1.02
1428020126	< 1	8	3	0.208
1428031173	< 1	2	7	1.48
1428031075	2	2	10	1.35
1428020204	2	8	7	0.916
1428020138	2	8	9	3.23
1428031141	2	2	10	1.13
GC23-0451-002	< 1	2	11	2.24
1428031158	< 1	1	6	0.964
F016045				
1315033602	< 1	2	13	2.97
1315033614	< 1	3	16	2.24
STUG23-3694	< 1	1	11	3.30
1428032079	4	1	11	1.35
STUG23-3903	< 1	3	16	1.08
STUG23-3814	< 1	3	18	1.94
GC23-0458-008	< 1	2	8	1.04
1428020052	3	5	17	3.07
GC23-0457-009	< 1	2	10	2.20
GC23-0406-018	< 1	2	10	1.84
GC23-0445-002	< 1	1	12	1.83
1428020028	4	10	15	3.57
1428020915	1	14	5	0.757

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1428020105	3	4	8	0.579
1315033685	< 1	3	15	1.68
GC23-0469-004	< 1	2	8	1.73
1428006038	< 1	9	5	3.28
1428020048	7	8	6	3.02
F016052				
1428018660	2	3	6	0.238
1428018086	1	9	8	2.96
1315025011	< 1	5	9	2.18
1428018060	< 1	4	8	0.209
1314016002	< 1	2	19	3.06
1314016004	< 1	2	19	3.17
GC23-2003-005	< 1	4	3	0.210
GC23-0167-008	< 1	2	16	2.72
GC23-0480-013	< 1	2	11	2.53
1428018028	2	4	14	1.79
1315025082	< 1	4	19	2.31
1428020003	2	4	13	1.48
1315033079	2	3	12	2.54
1315033904	< 1	2	13	2.96
1428019005	< 1	10	7	1.84
1428019031	3	4	8	0.559
1428019666	< 1	7	10	2.19
1428018628	< 1	3	9	0.618
1428018056	< 1	3	7	0.169
1428018612	2	3	8	0.523
1315025135	4	3	12	0.926
1315025008	< 1	3	14	1.60
1428018670	1	3	7	0.192
1315033678	2	2	11	1.81
1428006026	2	4	10	1.62
F016043				
GC23-0336-004	< 1	2	13	1.10
GC23-0106-010	24	< 1	10	0.348
1429020436	3	8	5	1.60
GC23-0330-003	< 1	3	22	1.77
GC23-9012-046	< 1	1	7	1.71
GC23-0352-005	< 1	< 1	9	7.62
1429020072	< 1	14	7	0.301
1429020052	2	8	7	1.35
1315027001	< 1	3	10	1.05
1428019116	1	10	5	2.96
1429020427	3	14	8	1.98
GC23-0448-006	< 1	2	15	2.30
1429020104	2	25	8	0.592
1428015028	1	2	9	1.50
GC23-0306-002	< 1	2	8	1.28
GC23-0311-005	< 1	2	5	0.981
GC23-0174-007	< 1	2	10	6.54
GC23-0456-008	< 1	2	6	1.92
1429020032	3	10	7	0.481

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1429020448	2	10	5	2.10
F016059				
1428031037	< 1	2	8	1.58
1428020235	1	7	3	0.200
1428032078	44	1	11	1.06
1428032611	< 1	2	11	2.00
1428032023	< 1	2	7	1.86
1428032663	< 1	2	9	2.14
1428024125	< 1	5	11	1.63
1428032088	< 1	10	6	1.58
1428024132	< 1	6	9	2.62
1428028056	5	4	12	1.89
1428032094	5	3	10	0.985
1428032070	2	3	8	0.808
1428024145	1	5	12	1.25
1428028066	4	3	9	1.44
1428032066	< 1	11	4	0.108
1428024138	2	4	9	1.50
F015319				
F016066				
GC23-2010-004	< 1	2	24	2.83
GC23-0463-003	< 1	2	7	2.04
GC23-0462-008	< 1	2	9	2.35
1428007111	2	4	10	0.996
GC23-2020-007	< 1	2	24	1.74
GC23-2026-010	< 1	2	16	1.47
1428024622	1	8	7	3.40
1428024666	3	4	8	1.20
1315029140	< 1	4	8	1.02
GC23-0412-009	< 1	2	7	1.14
1427004286	< 1	2	6	1.35
GC23-0110-009	13	1	15	1.42
1428024066	2	8	13	3.94
1428024109	< 1	4	8	0.841
1428028042	6	3	10	2.10
1428007121	3	4	8	0.724
1428028131	4	3	11	1.47
1428028039	2	5	13	2.37
GC23-0383-020	< 1	2	8	1.65
GC23-0460-021	< 1	2	10	2.21
GC23-0494-018	< 1	2	9	1.91
1428007177	4	3	7	0.734
1428024605	< 1	7	13	3.34
F016468				

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Meas								41.5			14.6												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								40.8			14.6												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								41.6			14.4												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								41.7			14.5												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								41.3			14.4												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								41.3			14.4												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								42.0			14.0												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								41.0			14.3												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								41.4			14.4												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								40.1			14.3												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								41.3			14.5												
BaSO4 Cert								41.94			14.0												
BaSO4 Meas								41.6															
BaSO4 Cert								41.94															
BaSO4 Meas								41.3															
BaSO4 Cert								41.94															
BaSO4 Meas								40.6															
BaSO4 Cert								41.94															
BaSO4 Meas								41.3															
BaSO4 Cert								41.94															
BaSO4 Meas								41.3															
BaSO4 Cert								41.94															
BaSO4 Meas								40.6															
BaSO4 Cert								41.94															
BaSO4 Meas								41.3															
BaSO4 Cert								41.94															
BaSO4 Meas								40.6															
BaSO4 Cert								41.94															
OREAS 134b (AQUA REGIA) Meas													> 100	573	1260				> 5000	> 10000		208	
OREAS 134b (AQUA REGIA) Cert													204	563	1360				133000	177000		221	
OREAS 133a (Aqua Regia) Meas													90.7	315	309				> 5000	> 10000		130	
OREAS 133a (Aqua Regia) Cert													97	297	324				48600.00	106000.00		140	
RTS-3a Meas								29.5															

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	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								29.3															
RTS-3a Cert								29.90															
RTS-3a Meas								29.2															
RTS-3a Cert								29.90															
RTS-3a Meas								29.8															
RTS-3a Cert								29.90															
RTS-3a Meas								29.5															
RTS-3a Cert								29.90															
RTS-3a Meas								29.6															
RTS-3a Cert								29.90															
RTS-3a Meas								28.8															
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								28.7															
RTS-3a Cert								29.90															
GS311-4 Meas										1.13	0.51												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.13	0.56												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.13	0.56												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.12	0.56												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.11	0.54												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.10	0.56												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.12	0.55												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.11	0.54												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.12	0.56												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.13	0.55												
GS311-4 Cert										1.11	0.54												
GS311-4 Meas										1.12	0.56												
GS311-4 Cert										1.11	0.54												
SiO2 Meas								< 0.05		< 0.01	< 0.01												
SiO2 Cert																							
SiO2 Meas								< 0.05		0.01	< 0.01												
SiO2 Cert																							
SiO2 Meas								< 0.05		< 0.01	< 0.01												
SiO2 Cert																							
SiO2 Meas								< 0.05		< 0.01	< 0.01												
SiO2 Cert																							

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	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		< 0.01	< 0.01												
SiO2 Cert																							
SiO2 Meas								< 0.05		< 0.01	< 0.01												
SiO2 Cert																							
SiO2 Meas								< 0.05		< 0.01	< 0.01												
SiO2 Cert																							
SiO2 Meas								< 0.05		< 0.01	< 0.01												
SiO2 Cert																							
SiO2 Meas								< 0.05		0.01	< 0.01												
SiO2 Cert																							
SiO2 Meas								< 0.05		< 0.01	< 0.01												
SiO2 Cert																							
SiO2 Meas										< 0.01	< 0.01												
SiO2 Cert																							
NBM-1 (slight fzz) Meas				8.54																			
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				8.58																			
NBM-1 (slight fzz) Cert				8.53																			
OREAS 922 (AQUA REGIA) Meas													0.7	< 0.2	2320	795	< 2	35	50	243	2.92	7	
OREAS 922 (AQUA REGIA) Cert													0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12	
OREAS 922 (AQUA REGIA) Meas													0.8	0.2	2200	762	< 2	36	52	247	2.76	5	
OREAS 922 (AQUA REGIA) Cert													0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12	
OREAS 923 (AQUA REGIA) Meas													1.8	0.3	4460	900	< 2	34	69	318	2.92	5	
OREAS 923 (AQUA REGIA) Cert													1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07	
OREAS 907 (Aqua Regia) Meas													1.2	< 0.2	6400	347	5	5	28	135	1.21	36	
OREAS 907 (Aqua Regia) Cert													1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0	
OREAS 907 (Aqua Regia) Meas													1.2	< 0.2	6450	349	5	6	29	144	1.23	37	
OREAS 907 (Aqua Regia) Cert													1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0	
Oreas 621 (Aqua													65.7	295	3550	519	13	27	> 5000	> 10000	1.67	73	

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	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 621 (Aqua Regia) Cert													68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0	
OREAS 229b (Fire Assay) Meas												12.2											
OREAS 229b (Fire Assay) Cert												11.95											
GS316-3 Meas										0.06	0.39												
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	0.34												
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										0.04	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										0.05	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												
OREAS 130 (Aqua Regia) Meas													5.5	29.1	217	1560	7	33	1060	> 10000	1.18	192	
OREAS 130 (Aqua Regia) Cert													6.27	28.8	226	1630	8.25	35.2	1300	16900	1.10	205	
OREAS 257b (Fire Assay) Meas												14.6											
OREAS 257b (Fire Assay) Cert												14.220											
Oreas E1336 (Fire Assay) Meas	506																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	508																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	516																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	526																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire	511																						

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	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																						
Oreas E1336 (Fire Assay) Meas	505																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	512																						
Oreas E1336 (Fire Assay) Cert	510																						
GS317-5 Meas										8.09	15.2												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.09	15.3												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.71	15.2												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.42	15.1												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.31	15.1												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.50	15.2												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.20	15.0												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.55	15.2												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.36	15.4												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.52	15.3												
GS317-5 Cert										8.46	15.5												
GS317-5 Meas										8.46	15.4												
GS317-5 Cert										8.46	15.5												
OREAS L14 Meas	3260																						
OREAS L14 Cert	3240.00																						
OREAS L14 Meas	3340																						
OREAS L14 Cert	3240.00																						
OREAS L14 Meas	3310																						
OREAS L14 Cert	3240.00																						
OREAS L14 Meas	3230																						
OREAS L14 Cert	3240.00																						
OREAS L14 Meas	3380																						
OREAS L14 Cert	3240.00																						
OREAS L14 Meas	3190																						
OREAS L14 Cert	3240.00																						
OREAS L14 Meas	3290																						

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS L14 Cert	3240.00																						
1428005134 Orig													< 0.2	< 0.2	35	424	< 2	16	< 2	47	1.13	5	< 5
1428005134 Dup													< 0.2	< 0.2	32	420	< 2	15	< 2	45	1.13	5	< 5
1428005642 Orig								0.36	0.62	0.78	0.74												
1428005642 Dup								0.38	0.66	0.78	0.79												
1315024328 Orig	790																						
1315024328 Dup	696																						
1428015014 Orig			35.4		68.6	2.06	33.27																
1428015014 Dup			34.8		68.1	2.05	33.27																
1315024242 Orig	424																						
1315024242 Dup	406																						
1428012036 Orig	46							0.49	0.31				0.3	< 0.2	106	904	< 2	172	< 2	60	3.37	14	< 5
1428012036 Dup	37							0.48					0.3	< 0.2	114	917	< 2	175	< 2	61	3.41	14	< 5
GC23-0313-002 Orig										0.60	1.44												
GC23-0313-002 Dup										0.62	1.41												
GC23-9012-060 Orig	42																						
GC23-9012-060 Dup	47																						
GC23-0226-002 Orig										0.98	1.55												
GC23-0226-002 Dup										1.00	1.58												
GC23-0239-002 Orig								1.04	1.23														
GC23-0239-002 Dup								0.99															
GC23-0229-006 Orig													0.9	2.8	34	1020	< 2	14	199	646	1.30	68	< 5
GC23-0229-006 Dup													0.7	2.6	34	986	< 2	13	192	632	1.25	63	< 5
1429020122 Orig	241							2.74	2.72														
1429020122 Dup	245																						
1429020211 Orig										2.27	0.87												
1429020211 Dup										2.28	0.85												
1315027635 Orig		slight	-12.9		30.4	0.702	43.26																
1315027635 Dup		slight	-14.0		29.2	0.676	43.26																
1428019934 Orig													0.3	0.4	90	1510	< 2	71	3	226	3.20	20	< 5
1428019934 Dup													0.4	0.6	91	1510	< 2	71	3	227	3.22	22	< 5
GC23-0476-009 Orig	431									0.83	1.70												
GC23-0476-009 Dup	437									0.82	1.72												
GC23-0324-002 Orig								0.58	1.21														
GC23-0324-002 Dup								0.58															
1428019222 Orig								0.78	0.61	1.50	0.87												
1428019222 Dup								0.77	0.66	1.51	0.91												
GC23-0042-010	1020																						

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Orig																							
GC23-0042-010 Dup	854																						
1428031041 Orig				9.19																			
1428031041 Dup				9.21																			
1428020167 Orig										1.66	0.69												
1428020167 Dup										1.66	0.63												
1428032673 Orig													2.7	0.8	34	581	< 2	15	77	227	0.97	31	< 5
1428032673 Dup													2.8	0.9	36	611	< 2	17	78	245	0.99	32	< 5
GC23-0466-002 Orig								0.40	1.63														
GC23-0466-002 Dup								0.44															
1428020117 Orig	66																						
1428020117 Dup	71																						
GC23-0451-002 Orig										1.44	2.33												
GC23-0451-002 Dup										1.44	2.34												
1428031158 Orig								0.37	0.83														
1428031158 Dup								0.37															
1315033614 Orig													1.3	7.0	84	969	< 2	18	56	1330	1.29	56	< 5
1315033614 Dup													1.7	6.9	85	955	< 2	18	57	1300	1.26	57	< 5
GC23-0458-008 Orig		moderate	38.9		66.5	2.41	27.54																
GC23-0458-008 Dup		moderate	35.5		63.1	2.29	27.54																
GC23-0457-009 Orig										0.96	2.12												
GC23-0457-009 Dup										0.96	2.13												
1428020028 Orig	250																						
1428020028 Dup	250																						
1428020915 Orig								0.99	0.56														
1428020915 Dup								0.93															
1428018086 Orig										1.85	3.26												
1428018086 Dup										1.84	3.21												
1315025011 Orig													3.6	1.5	69	1940	< 2	41	87	377	2.04	106	< 5
1315025011 Dup													3.4	1.4	67	1860	< 2	39	82	364	1.96	103	< 5
1428018060 Orig	32							0.38	0.09														
1428018060 Dup	31							0.37															
1315033904 Orig													2.1	4.5	168	1030	< 2	16	45	998	1.63	64	< 5
1315033904 Dup													2.7	4.1	163	1020	< 2	15	45	994	1.60	62	< 5
1428019031 Orig	22		39.2		53.8	3.67	14.67																
1428019031 Dup	20		37.9		52.5	3.58	14.67																
1428019666 Orig								1.12	1.99														
1428019666 Dup								1.15															
1428018670 Orig										1.05	0.19												
1428018670 Dup										1.06	0.19												
1315033678 Orig													0.5	2.9	50	841	< 2	16	44	594	2.53	22	< 5
1315033678 Dup													0.6	2.9	49	856	< 2	16	44	617	2.57	23	< 5

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC23-0336-004 Orig								0.41	0.90														
GC23-0336-004 Dup								0.41															
1429020436 Orig	402																						
1429020436 Dup	388																						
1429020052 Orig										1.13	1.45		0.5	0.3	111	809	< 2	29	6	167	2.49	13	< 5
1429020052 Dup										1.12	1.47		0.4	0.3	109	810	< 2	29	6	172	2.49	10	< 5
1428019116 Orig		moderate	-48.6		32.9	0.404	81.48																
1428019116 Dup		moderate	-47.6		33.8	0.415	81.48																
GC23-0448-006 Orig				9.40																			
GC23-0448-006 Dup				9.40																			
1428015028 Orig								0.55	1.36	1.04	1.54												
1428015028 Dup								0.58		1.06	1.54												
GC23-0311-005 Orig	230																						
GC23-0311-005 Dup	177																						
1429020032 Orig										0.84	0.55												
1429020032 Dup										0.84	0.55												
1428032078 Orig								0.27	0.94														
1428032078 Dup								0.29															
1428032023 Orig	309																						
1428032023 Dup	287																						
1428024132 Orig										1.91	2.99												
1428024132 Dup										1.90	2.95												
1428032094 Orig													0.2	< 0.2	135	434	< 2	49	< 2	32	1.72	3	< 5
1428032094 Dup													< 0.2	< 0.2	134	427	< 2	50	< 2	32	1.70	3	< 5
1428024138 Orig	230							0.70	1.35														
1428024138 Dup	242							0.72															
1428007111 Orig										0.84	0.95												
1428007111 Dup										0.85	0.90												
1428024666 Orig													1.1	1.1	26	1110	< 2	57	7	376	2.48	20	< 5
1428024666 Dup													1.2	1.0	25	1100	< 2	55	7	377	2.45	21	< 5
1315029140 Orig	246							0.43	0.96														
1315029140 Dup	263							0.44															
1428024109 Orig										1.40	0.88												
1428024109 Dup										1.40	0.89												
GC23-0383-020 Orig										0.84	1.68												
GC23-0383-020 Dup										0.85	1.70												
GC23-0460-021 Orig		moderate																					
GC23-0460-021 Dup		moderate																					
GC23-0494-018 Orig	147																						

Analyte Symbol	Au	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Sulphide S	C-Total	Total S	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B
Unit Symbol	ppb	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	%	%	%	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5			0.01			0.01	0.05	0.01	0.01	0.01	0.03	0.2	0.2	1	1	2	1	2	1	0.01	3	5
Method Code	FA-AA	none	Calc	pH Meter	TITR	Calc	Calc	SO4	Calc	CS	CS	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC23-0494-018 Dup	144																						
1428007177 Orig				9.46				0.28	0.61														
1428007177 Dup				9.48				0.29															
1428024605 Orig		moderate	-70.5		22.1	0.238	92.60			1.62	3.60												
1428024605 Dup		moderate	-67.2		25.4	0.274	92.60			1.62	3.66												
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												< 0.03											
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank													< 0.2	< 0.2	< 1	< 1	< 2	< 1	< 2	< 1	< 0.01	< 3	< 5
Method Blank													< 0.2	< 0.2	< 1	< 1	< 2	< 1	< 2	< 1	< 0.01	< 3	< 5
Method Blank													< 0.2	< 0.2	< 1	< 1	< 2	< 1	< 2	< 1	< 0.01	< 3	< 5

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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BaSO4 Cert																							
OREAS 134b (AQUA REGIA) Meas					97		11.2																
OREAS 134b (AQUA REGIA) Cert					110		12.25																
OREAS 133a (Aqua Regia) Meas	6				18		7.46							133									
OREAS 133a (Aqua Regia) Cert	59				23		7.92							147									
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
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GS311-4 Meas																							
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SiO2 Meas																							
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Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
SiO2 Cert																							
SiO2 Meas																							
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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	74	< 1	11	0.41	21	48	5.36	11	38	0.44	1.38	0.039	0.064	< 5	3.6	< 5	< 5	16		< 2		< 10	36
OREAS 922 (AQUA REGIA) Cert	70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	32.5	0.376	1.33	0.021	0.063	0.57	3.15	3.44	3.83	15.0		0.14		1.98	29.4
OREAS 922 (AQUA REGIA) Meas	70	< 1	11	0.39	20	45	5.11	10	36	0.41	1.32	0.035	0.062	< 5	3.4	< 5	< 5	15		< 2		< 10	34
OREAS 922 (AQUA REGIA) Cert	70	0.65	10.3	0.324	19.4	40.7	5.05	7.62	32.5	0.376	1.33	0.021	0.063	0.57	3.15	3.44	3.83	15.0		0.14		1.98	29.4
OREAS 923 (AQUA REGIA) Meas	58	< 1	18	0.41	23	44	6.13	10	35	0.37	1.47		0.062	< 5	3.5	< 5	6	14		< 2		< 10	35
OREAS 923 (AQUA REGIA) Cert	54	0.61	21.8	0.326	22.2	39.4	5.91	8.01	30.0	0.322	1.43		0.061	0.58	3.09	5.99	5.99	13.6		0.12		1.80	30.6
OREAS 907 (Aqua Regia) Meas	209	1	20	0.28	47	8	8.22	21	38	0.33	0.23	0.118	0.023	< 5	2.1	< 5	< 5	12	< 1	< 2	0.02	< 10	6
OREAS 907 (Aqua Regia) Cert	225	0.870	22.3	0.280	43.7	8.59	8.18	14.7	36.1	0.286	0.221	0.0860	0.0240	2.28	2.16	9.05	2.34	11.7	0.230	0.120	0.0170	2.15	5.12
OREAS 907 (Aqua Regia) Meas	215	1	22	0.28	47	9	8.34	21	38	0.34	0.23	0.117	0.024	5	2.2	< 5	< 5	13	< 1	< 2	0.03	< 10	6
OREAS 907 (Aqua Regia) Cert	225	0.870	22.3	0.280	43.7	8.59	8.18	14.7	36.1	0.286	0.221	0.0860	0.0240	2.28	2.16	9.05	2.34	11.7	0.230	0.120	0.0170	2.15	5.12
Oreas 621 (Aqua Regia) Meas		< 1	5	1.58	29	33	3.42	11	19	0.32	0.42	0.170	0.033	100	2.1	< 5	< 5	17		2		< 10	12
Oreas 621 (Aqua Regia) Cert		0.530	3.85	1.65	27.9	31.3	3.43	9.29	19.4	0.333	0.436	0.160	0.0335	107	2.20	5.64	2.68	18.9		0.770		1.63	10.9
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
GS316-3 Meas																							

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
GS316-3 Cert																							
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GS316-3 Meas																							
GS316-3 Cert																							
OREAS 130 (Aqua Regia) Meas			5	1.62	26	24	6.88	5	24	0.50	0.87		0.080	11	3.2			20	1	< 2	0.03	< 10	35
OREAS 130 (Aqua Regia) Cert			3.05	1.81	27.1	23.2	7.27	4.78	26.4	0.500	0.892		0.0860	4.69	3.42			23.2	0.170	5.92	0.0270	8.36	33.1
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																							
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Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
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OREAS L14 Meas																							
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OREAS L14 Cert																							
OREAS L14 Meas																							
OREAS L14 Cert																							
1428005134 Orig	49	< 1	3	2.27	8	209	2.09	4	12	0.14	0.68	0.073	0.039	< 5	0.9	< 5	< 5	54	< 1	< 2	< 0.01	< 10	9
1428005134 Dup	49	< 1	3	2.24	8	207	2.06	5	12	0.14	0.68	0.074	0.039	< 5	0.9	< 5	< 5	54	< 1	< 2	< 0.01	< 10	9
1428005642 Orig																							
1428005642 Dup																							
1315024328 Orig																							
1315024328 Dup																							
1428015014 Orig																							
1428015014 Dup																							
1315024242 Orig																							
1315024242 Dup																							
1428012036 Orig	7	< 1	4	3.49	42	465	5.44	8	1	< 0.01	3.54	0.050	0.020	< 5	7.2	< 5	< 5	43	5	< 2	0.22	< 10	89
1428012036 Dup	6	< 1	3	3.54	46	472	5.51	8	1	< 0.01	3.59	0.049	0.021	< 5	7.2	< 5	< 5	44	6	< 2	0.22	< 10	89
GC23-0313-002 Orig																							
GC23-0313-002 Dup																							

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
GC23-9012-060 Orig																							
GC23-9012-060 Dup																							
GC23-0226-002 Orig																							
GC23-0226-002 Dup																							
GC23-0239-002 Orig																							
GC23-0239-002 Dup																							
GC23-0229-006 Orig	32	< 1	4	1.61	7	211	2.29	3	17	0.35	0.64	0.033	0.041	< 5	0.5	< 5	< 5	20	1	< 2	< 0.01	< 10	6
GC23-0229-006 Dup	35	< 1	4	1.56	6	202	2.17	4	16	0.34	0.61	0.031	0.041	< 5	0.5	< 5	< 5	19	< 1	< 2	< 0.01	< 10	6
1429020122 Orig																							
1429020122 Dup																							
1429020211 Orig																							
1429020211 Dup																							
1315027635 Orig																							
1315027635 Dup																							
1428019934 Orig	51	< 1	4	4.03	31	123	6.54	10	8	0.28	1.94	0.170	0.049	< 5	7.0	< 5	< 5	66	3	< 2	0.11	< 10	112
1428019934 Dup	52	< 1	4	4.04	32	124	6.57	11	8	0.29	1.94	0.172	0.049	< 5	7.1	< 5	< 5	66	4	< 2	0.12	< 10	113
GC23-0476-009 Orig																							
GC23-0476-009 Dup																							
GC23-0324-002 Orig																							
GC23-0324-002 Dup																							
1428019222 Orig																							
1428019222 Dup																							
GC23-0042-010 Orig																							
GC23-0042-010 Dup																							
1428031041 Orig																							
1428031041 Dup																							
1428020167 Orig																							
1428020167 Dup																							
1428032673 Orig	30	< 1	4	1.14	7	190	2.06	3	9	0.16	0.81	0.052	0.028	< 5	0.5	< 5	< 5	31	2	< 2	< 0.01	< 10	6
1428032673 Dup	29	< 1	3	1.20	7	202	2.20	3	9	0.16	0.85	0.054	0.031	< 5	0.5	< 5	< 5	33	< 1	< 2	< 0.01	< 10	6
GC23-0466-002 Orig																							
GC23-0466-002 Dup																							
1428020117 Orig																							
1428020117 Dup																							
GC23-0451-002 Orig																							
GC23-0451-002 Dup																							
1428031158 Orig																							
1428031158 Dup																							

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
1315033614 Orig	25	< 1	4	2.15	8	194	2.61	3	13	0.25	0.75	0.041	0.044	< 5	0.6	< 5	< 5	26	< 1	< 2	< 0.01	< 10	5
1315033614 Dup	25	< 1	5	2.11	8	201	2.59	4	13	0.24	0.74	0.040	0.043	< 5	0.6	< 5	< 5	26	< 1	< 2	< 0.01	< 10	5
GC23-0458-008 Orig																							
GC23-0458-008 Dup																							
GC23-0457-009 Orig																							
GC23-0457-009 Dup																							
1428020028 Orig																							
1428020028 Dup																							
1428020915 Orig																							
1428020915 Dup																							
1428018086 Orig																							
1428018086 Dup																							
1315025011 Orig	26	< 1	3	2.71	11	297	2.97	6	19	0.51	1.60	0.090	0.065	< 5	2.5	< 5	< 5	70	3	< 2	0.02	< 10	20
1315025011 Dup	29	< 1	5	2.59	11	286	2.79	6	18	0.50	1.51	0.086	0.062	< 5	2.4	< 5	< 5	68	2	< 2	0.02	< 10	19
1428018060 Orig																							
1428018060 Dup																							
1315033904 Orig	26	< 1	4	0.47	7	199	4.82	5	12	0.19	1.08	0.024	0.036	< 5	0.8	< 5	< 5	10	< 1	< 2	0.02	< 10	10
1315033904 Dup	28	< 1	3	0.45	7	191	4.62	5	12	0.20	1.04	0.024	0.036	< 5	0.7	< 5	< 5	10	3	< 2	0.02	< 10	10
1428019031 Orig																							
1428019031 Dup																							
1428019666 Orig																							
1428019666 Dup																							
1428018670 Orig																							
1428018670 Dup																							
1315033678 Orig	27	< 1	4	2.19	8	165	2.33	7	14	0.21	0.95	0.147	0.041	< 5	0.7	< 5	< 5	66	< 1	< 2	0.03	< 10	8
1315033678 Dup	27	< 1	5	2.22	8	168	2.36	6	14	0.22	0.96	0.148	0.042	< 5	0.7	< 5	< 5	67	2	< 2	0.03	< 10	8
GC23-0336-004 Orig																							
GC23-0336-004 Dup																							
1429020436 Orig																							
1429020436 Dup																							
1429020052 Orig	55	< 1	< 2	3.36	23	178	5.82	11	7	0.38	1.69	0.123	0.047	< 5	12.8	< 5	< 5	47	1	< 2	0.17	< 10	206
1429020052 Dup	50	< 1	3	3.38	24	176	5.83	10	7	0.37	1.69	0.118	0.047	< 5	12.7	< 5	< 5	46	< 1	< 2	0.17	< 10	207
1428019116 Orig																							
1428019116 Dup																							
GC23-0448-006 Orig																							
GC23-0448-006 Dup																							
1428015028 Orig																							
1428015028 Dup																							
GC23-0311-005 Orig																							
GC23-0311-005 Dup																							
1429020032 Orig																							
1429020032 Dup																							
1428032078 Orig																							

Analyte Symbol	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1
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	AR-ICP
1428032078 Dup																							
1428032023 Orig																							
1428032023 Dup																							
1428024132 Orig																							
1428024132 Dup																							
1428032094 Orig	23	< 1	3	2.39	15	328	3.06	7	12	0.07	1.51	0.052	0.038	< 5	4.5	< 5	< 5	42	1	< 2	< 0.01	< 10	35
1428032094 Dup	23	< 1	3	2.37	15	328	3.02	7	12	0.07	1.49	0.052	0.038	< 5	4.4	< 5	< 5	42	1	< 2	< 0.01	< 10	35
1428024138 Orig																							
1428024138 Dup																							
1428007111 Orig																							
1428007111 Dup																							
1428024666 Orig	72	< 1	3	3.32	13	326	3.46	8	16	0.29	1.98	0.059	0.058	< 5	3.0	< 5	< 5	54	5	< 2	< 0.01	< 10	28
1428024666 Dup	63	< 1	4	3.28	13	329	3.43	7	16	0.29	1.97	0.056	0.057	< 5	3.0	< 5	< 5	53	1	< 2	< 0.01	< 10	27
1315029140 Orig																							
1315029140 Dup																							
1428024109 Orig																							
1428024109 Dup																							
GC23-0383-020 Orig																							
GC23-0383-020 Dup																							
GC23-0460-021 Orig																							
GC23-0460-021 Dup																							
GC23-0494-018 Orig																							
GC23-0494-018 Dup																							
1428007177 Orig																							
1428007177 Dup																							
1428024605 Orig																							
1428024605 Dup																							
Method Blank																							
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Method Blank																							
Method Blank																							
Method Blank	7	< 1	< 2	< 0.01	< 1	< 2	< 0.01	< 1	< 1	< 0.01	< 0.01	0.013	< 0.001	< 5	< 0.1	< 5	< 5	< 1	< 1	< 2	< 0.01	< 10	< 1
Method Blank	5	< 1	< 2	< 0.01	< 1	< 2	< 0.01	< 1	< 1	< 0.01	< 0.01	0.011	< 0.001	< 5	< 0.1	< 5	< 5	< 1	< 1	< 2	< 0.01	< 10	< 1
Method Blank	10	< 1	< 2	< 0.01	< 1	< 2	< 0.01	< 1	< 1	< 0.01	< 0.01	0.018	< 0.001	< 5	< 0.1	< 5	< 5	< 1	< 1	< 2	< 0.01	< 10	< 1

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Meas				
BaSO4 Cert				
BaSO4 Meas				
BaSO4 Cert				
BaSO4 Meas				
BaSO4 Cert				
BaSO4 Meas				
BaSO4 Cert				
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BaSO4 Meas				
BaSO4 Cert				
OREAS 134b (AQUA REGIA) Meas				16.0
OREAS 134b (AQUA REGIA) Cert				19.31
OREAS 133a (Aqua Regia) Meas				9.61
OREAS 133a (Aqua Regia) Cert				10.7
RTS-3a Meas				
RTS-3a Cert				
RTS-3a Meas				
RTS-3a Cert				

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
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				
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				

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
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				
NBM-1 (slight fzz) Meas				
NBM-1 (slight fzz) Cert				
OREAS 922 (AQUA REGIA) Meas	< 1	22	19	0.383
OREAS 922 (AQUA REGIA) Cert	1.12	16.0	22.3	0.386
OREAS 922 (AQUA REGIA) Meas	1	21	27	0.361
OREAS 922 (AQUA REGIA) Cert	1.12	16.0	22.3	0.386
OREAS 923 (AQUA REGIA) Meas	4	20	25	0.682
OREAS 923 (AQUA REGIA) Cert	1.96	14.3	22.5	0.684
OREAS 907 (Aqua Regia) Meas	< 1	8	13	0.063
OREAS 907 (Aqua Regia) Cert	0.980	6.52	43.7	0.0660
OREAS 907 (Aqua Regia) Meas	< 1	8	25	0.064
OREAS 907 (Aqua Regia) Cert	0.980	6.52	43.7	0.0660
Oreas 621 (Aqua Regia) Meas	6	8	67	4.39
Oreas 621 (Aqua Regia) Cert	1.00	6.87	55.0	4.50
OREAS 229b (Fire Assay) Meas				
OREAS 229b (Fire Assay) Cert				
GS316-3 Meas				

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	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				
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 130 (Aqua Regia) Meas	< 1	13	26	5.78
OREAS 130 (Aqua Regia) Cert	1.40	13.0	19.0	6.02
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				

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	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				
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 L14 Meas				
OREAS L14 Cert				
OREAS L14 Meas				
OREAS L14 Cert				
OREAS L14 Meas				
OREAS L14 Cert				
OREAS L14 Meas				
OREAS L14 Cert				
OREAS L14 Meas				
OREAS L14 Cert				
OREAS L14 Meas				
OREAS L14 Cert				
OREAS L14 Meas				
OREAS L14 Cert				
1428005134 Orig	2	3	7	0.772
1428005134 Dup	3	3	7	0.759
1428005642 Orig				
1428005642 Dup				
1315024328 Orig				
1315024328 Dup				
1428015014 Orig				
1428015014 Dup				
1315024242 Orig				
1315024242 Dup				
1428012036 Orig	1	5	2	0.458
1428012036 Dup	2	5	2	0.482
GC23-0313-002 Orig				
GC23-0313-002 Dup				

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC23-9012-060 Orig				
GC23-9012-060 Dup				
GC23-0226-002 Orig				
GC23-0226-002 Dup				
GC23-0239-002 Orig				
GC23-0239-002 Dup				
GC23-0229-006 Orig	< 1	2	16	1.98
GC23-0229-006 Dup	< 1	2	15	1.88
1429020122 Orig				
1429020122 Dup				
1429020211 Orig				
1429020211 Dup				
1315027635 Orig				
1315027635 Dup				
1428019934 Orig	2	8	10	1.32
1428019934 Dup	3	8	10	1.30
GC23-0476-009 Orig				
GC23-0476-009 Dup				
GC23-0324-002 Orig				
GC23-0324-002 Dup				
1428019222 Orig				
1428019222 Dup				
GC23-0042-010 Orig				
GC23-0042-010 Dup				
1428031041 Orig				
1428031041 Dup				
1428020167 Orig				
1428020167 Dup				
1428032673 Orig	< 1	1	8	1.90
1428032673 Dup	< 1	1	9	2.04
GC23-0466-002 Orig				
GC23-0466-002 Dup				
1428020117 Orig				
1428020117 Dup				
GC23-0451-002 Orig				
GC23-0451-002 Dup				
1428031158 Orig				
1428031158 Dup				

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1315033614 Orig	< 1	3	16	2.24
1315033614 Dup	< 1	3	17	2.24
GC23-0458-008 Orig				
GC23-0458-008 Dup				
GC23-0457-009 Orig				
GC23-0457-009 Dup				
1428020028 Orig				
1428020028 Dup				
1428020915 Orig				
1428020915 Dup				
1428018086 Orig				
1428018086 Dup				
1315025011 Orig	< 1	5	9	2.18
1315025011 Dup	< 1	5	14	2.06
1428018060 Orig				
1428018060 Dup				
1315033904 Orig	< 1	2	13	2.96
1315033904 Dup	< 1	2	14	2.85
1428019031 Orig				
1428019031 Dup				
1428019666 Orig				
1428019666 Dup				
1428018670 Orig				
1428018670 Dup				
1315033678 Orig	2	2	11	1.81
1315033678 Dup	2	2	10	1.84
GC23-0336-004 Orig				
GC23-0336-004 Dup				
1429020436 Orig				
1429020436 Dup				
1429020052 Orig	2	8	7	1.35
1429020052 Dup	2	7	7	1.37
1428019116 Orig				
1428019116 Dup				
GC23-0448-006 Orig				
GC23-0448-006 Dup				
1428015028 Orig				
1428015028 Dup				
GC23-0311-005 Orig				
GC23-0311-005 Dup				
1429020032 Orig				
1429020032 Dup				
1428032078 Orig				

Analyte Symbol	W	Y	Zr	S
Unit Symbol	ppm	ppm	ppm	%
Lower Limit	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1428032078 Dup				
1428032023 Orig				
1428032023 Dup				
1428024132 Orig				
1428024132 Dup				
1428032094 Orig	5	3	10	0.985
1428032094 Dup	7	3	11	0.977
1428024138 Orig				
1428024138 Dup				
1428007111 Orig				
1428007111 Dup				
1428024666 Orig	3	4	8	1.20
1428024666 Dup	2	4	6	1.20
1315029140 Orig				
1315029140 Dup				
1428024109 Orig				
1428024109 Dup				
GC23-0383-020 Orig				
GC23-0383-020 Dup				
GC23-0460-021 Orig				
GC23-0460-021 Dup				
GC23-0494-018 Orig				
GC23-0494-018 Dup				
1428007177 Orig				
1428007177 Dup				
1428024605 Orig				
1428024605 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	< 1	< 1	< 1	< 0.001
Method Blank	< 1	< 1	< 1	< 0.001
Method Blank	< 1	< 1	< 1	< 0.001

Quality Analysis ... *Innovative Technologies*

Report No.: **A23-08045**
Report Date: **27-Jul-23**
Date Submitted: **13-Jun-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

253 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-06-30 11:15:09
4F-C, S	Infrared	2023-07-10 20:49:15

REPORT **A23-08045**

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.

Refer to the Scope of Accreditation for information on accredited elements.

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.: **A23-08045**
Report Date: **27-Jul-23**
Date Submitted: **13-Jun-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

253 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)	2023-06-22 19:02:59
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	

REPORT **A23-08045**

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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.

Refer to the Scope of Accreditation for information on accredited elements.

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	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1429030601	Slight	104	8.65	130	4.90	26.62	1.22	100	2.39	1.26	1.4	7.3	197	2240	< 1	97	< 2	1280	3.24	21	< 10	38	< 0.5
1429019077	Slight	86.5	8.82	96.3	9.75	9.88	0.58	41	1.21	0.51	1.2	< 0.5	355	1440	< 1	71	< 2	160	3.31	15	< 10	< 10	< 0.5
1429019257	Slight	76.3	8.99	106	3.55	29.85	0.83	171	1.35	1.23	0.6	< 0.5	71	1180	< 1	63	2	218	2.72	14	< 10	49	< 0.5
1429019922	Slight	75.1	8.53	142	2.12	66.83	1.53	241	2.17	2.65	0.9	< 0.5	105	1840	< 1	66	2	261	3.74	32	< 10	59	< 0.5
1429016904	Slight	65.0	9.58	72.3	9.91	7.30	0.49	35	1.17	0.40	< 0.2	< 0.5	29	520	2	27	< 2	47	1.07	4	< 10	69	< 0.5
1429019117	Slight	38.2	8.77	100	1.61	62.19	1.41	491	1.38	2.46	1.8	< 0.5	238	1380	< 1	58	7	208	4.30	32	< 10	61	< 0.5
1429019920	Slight	41.8	8.39	123	1.51	81.29	2.62	106	1.80	3.47	1.0	< 0.5	266	1490	< 1	71	< 2	214	3.30	41	< 10	53	< 0.5
1429019260	Slight	124	8.86	141	8.43	16.73	0.75	82	1.85	0.79	0.4	< 0.5	110	1290	< 1	180	< 2	120	4.38	11	< 10	33	< 0.5
1429019511	Slight	84.5	9.34	107	4.72	22.75	0.61	90	1.46	0.93	0.3	< 0.5	46	744	< 1	19	< 2	89	1.88	9	< 10	92	< 0.5
1429016047	Slight	13.7	8.54	153	1.10	138.91	5.23	348	2.37	6.20	1.5	0.6	154	1760	< 1	69	2	336	2.08	43	< 10	31	< 0.5
1429019327	Slight	120	8.76	139	7.51	18.46	0.90	91	2.22	0.89	0.5	< 0.5	92	1390	< 1	163	< 2	215	3.98	11	< 10	18	< 0.5
1429030081	None	-37.8	8.12	74.2	0.663	111.98	3.22	205	1.28	4.66	2.4	18.7	302	2490	< 1	49	< 2	5110	3.34	55	< 10	25	< 0.5
1429030004	Slight	105	8.87	128	5.50	23.34	1.03	60	2.25	1.09	1.3	7.8	153	2110	< 1	98	< 2	851	3.44	12	< 10	33	< 0.5
1429030609	Slight	102	8.87	134	4.13	32.53	1.44	222	2.56	1.52	1.6	4.5	161	2210	< 1	93	< 2	1160	3.49	28	< 10	46	< 0.5
1429019128	Slight	91.3	8.90	129	3.44	37.43	1.07	157	1.73	1.56	0.6	< 0.5	129	1500	< 1	158	2	171	4.10	19	< 10	18	< 0.5
GC23-0137-012	Slight	-10.5	9.02	46.6	0.816	57.13	1.12	361	0.58	2.20	0.7	17.3	31	890	< 1	11	23	4400	1.35	81	< 10	30	< 0.5
1429021037	Slight	29.9	8.76	87.4	1.52	57.43	1.02	207	1.33	2.18	1.3	< 0.5	19	1020	< 1	20	4	88	1.62	14	< 10	52	< 0.5
1429021027	Slight	38.9	8.40	139	1.39	100.45	3.20	98	2.07	4.28	0.6	< 0.5	65	1360	< 1	58	3	126	3.46	15	< 10	46	< 0.5
F015389								1830															
1429031021	Slight	32.6	8.77	85.1	1.62	52.52	0.85	275	1.13	1.97	1.7	1.6	62	718	1	24	3	483	1.74	60	< 10	58	< 0.5
1428008172	Slight	70.5	9.09	97.3	3.63	26.77	0.56	34	1.27	1.04	< 0.2	< 0.5	33	613	< 1	87	< 2	36	2.37	10	< 10	61	< 0.5
1429031004	Slight	31.8	9.16	49.3	2.81	17.55	0.46	21	0.74	0.70	0.2	< 0.5	83	538	< 1	29	3	97	2.53	7	< 10	63	< 0.5
GC23-0091-002	None	-13.5	9.26	21.9	0.619	35.38	0.72	287	0.24	1.37	1.2	11.5	144	884	< 1	10	32	2640	1.39	56	< 10	30	< 0.5
GC23-0048-010	None	-14.3	9.43	14.0	0.494	28.25	0.73	414	0.13	1.15	1.1	10.8	33	788	< 1	10	69	2650	1.50	49	< 10	53	< 0.5
GC23-0083-011	None	-109	8.24	11.9	0.0988	120.90	1.07	1460	0.15	4.23	9.8	8.7	175	189	2	19	63	1900	0.78	304	< 10	32	< 0.5
1429031623	Slight	44.6	8.72	93.5	1.91	48.90	1.00	244	1.45	1.90	1.3	1.0	76	1060	1	72	2	269	3.30	18	< 10	53	< 0.5
1315022010	Slight	-18.5	8.79	45.3	0.710	63.73	0.63	200	0.68	2.25	1.5	2.2	77	982	1	14	16	543	0.84	75	< 10	22	< 0.5
GC23-0107-007	None	-39.8	8.74	28.0	0.413	67.78	0.59	118	0.35	2.37	0.4	0.6	17	706	1	13	34	223	1.45	66	< 10	34	< 0.5
1429031060	Slight	4.61	8.84	54.5	1.09	49.89	0.71	161	0.83	1.83	1.0	0.7	50	789	2	46	3	288	2.79	12	< 10	60	< 0.5
GC23-0051-002	Slight	10.8	9.20	42.4	1.34	31.61	0.36	42	0.50	1.13	0.8	< 0.5	29	1170	< 1	10	124	167	1.42	31	< 10	28	< 0.5
1315022104	None	-55.1	8.41	8.73	0.137	63.81	0.70	688	0.07	2.28	0.9	4.8	68	622	< 1	23	9	1080	1.72	106	< 10	38	< 0.5
GC23-0107-005	Slight	-4.79	9.02	40.0	0.893	44.79	0.41	167	0.50	1.57	< 0.2	0.6	8	693	< 1	12	9	194	1.05	88	< 10	26	< 0.5
GC23-0144-002	None	19.9	9.10	80.6	1.33	60.73	0.66	64	1.12	2.15	0.8	1.6	14	1740	1	10	154	541	0.51	129	< 10	33	< 0.5
1315022146	None	-30.4	8.73	8.22	0.213	38.65	0.37	1060	0.12	1.36	0.3	< 0.5	31	777	< 1	15	10	174	1.96	57	< 10	27	< 0.5
GC23-0144-020	Slight	-21.3	8.81	36.6	0.632	57.94	0.67	305	0.45	2.08	0.9	5.2	77	879	< 1	10	26	1250	0.99	73	< 10	47	< 0.5
GC23-0052-002	Slight	0.291	9.15	44.6	1.01	44.30	0.41	273	0.54	1.56	0.6	< 0.5	19	945	< 1	9	42	147	1.03	43	< 10	24	< 0.5
1315022132	None	-47.7	8.74	4.98	0.0944	52.71	0.41	582	0.09	1.83	0.6	< 0.5	15	528	1	16	17	112	1.38	103	< 10	40	< 0.5
F015385								> 5000															
1429030051	Slight	-29.9	8.20	84.7	0.739	114.67	1.96	250	1.58	4.32	5.1	3.2	167	2380	< 1	62	< 2	1160	3.12	44	< 10	35	< 0.5
1429030624	Slight	46.1	8.38	123	1.60	77.23	1.30	102	1.83	2.91	3.7	< 0.5	80	2490	< 1	50	< 2	433	3.32	27	< 10	32	< 0.5
1429030039	Slight	27.2	8.80	71.5	1.62	44.27	0.55	236	1.09	1.60	1.6	0.5	20	723	< 1	22	< 2	202	1.26	28	< 10	46	< 0.5
1429030608	Slight	109	8.66	142	4.34	32.72	1.16	44	2.61	1.43	1.0	2.9	153	1920	< 1	91	2	833	3.42	24	< 10	33	< 0.5
1429021229	Slight	98.2	8.73	118	5.91	20.01	1.43	73	2.01	1.12	0.4	0.6	68	1650	< 1	23	9	338	4.01	12	< 10	29	< 0.5
1429021104	Slight	-117	8.15	81.7	0.412	198.46	4.99	362	1.29	8.00	2.7	< 0.5	49	1330	< 1	64	4	290	3.03	40	< 10	21	< 0.5
1429030104	Slight	12.7	8.95	52.8	1.32	40.17	0.46	159	0.78	1.44	1.1	1.2	36	711	3	29	4	392	1.67	120	< 10	49	< 0.5
1429022090	Slight	134	8.84	135	131	1.03	0.51	16	1.86	0.20	< 0.2	< 0.5	59	1010	< 1	120	< 2	94	4.46	4	< 10	33	< 0.5
1429021155	Slight	51.9	8.63	117	1.80	65.08	1.00	56	1.66	2.42	0.3	< 0.5	61	1200	< 1	56	5	193	4.13	16	< 10	49	< 0.5
1429022016	Slight	150	8.90	152	128	1.19	0.36	< 5	2.16	0.16	< 0.2	< 0.5	57	1170	< 1	184	< 2	89	4.45	5	< 10	< 10	< 0.5
1429021080	Slight	7.94	8.88	49.3	1.19	41.34	0.51	114	0.71	1.49	0.7	< 0.5	14	695	< 1	18	5	152	2.04	14	< 10	55	< 0.5

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1429030645	Slight	40.3	9.00	65.3	2.61	24.99	0.45	67	0.90	0.95	0.6	2.4	42	974	1	25	3	724	1.86	25	< 10	53	< 0.5
1429021243	Slight	13.7	8.45	74.9	1.22	61.18	1.97	148	2.21	2.62	0.9	1.6	78	1610	< 1	23	6	510	3.38	36	< 10	36	< 0.5
1429021286	Slight	60.6	8.88	91.0	3.00	30.34	0.62	33	1.32	1.18	0.4	< 0.5	122	792	1	43	6	124	2.71	18	< 10	63	< 0.5
1429021236	Slight	41.4	9.11	59.6	3.27	18.25	0.37	44	0.84	0.71	0.3	< 0.5	45	645	1	23	3	75	2.20	14	< 10	62	< 0.5
1429021179	Slight	16.5	8.78	74.0	1.29	57.53	0.91	42	1.13	2.14	0.3	< 0.5	42	836	< 1	28	3	114	2.01	7	< 10	49	< 0.5
1429021303	Slight	32.7	8.60	62.3	2.11	29.60	1.44	98	1.57	1.43	0.8	< 0.5	79	1620	< 1	11	8	261	3.65	13	< 10	19	< 0.5
1429021249	Slight	119	9.02	121	78.2	1.55	0.40	5	1.87	0.18	< 0.2	< 0.5	43	1050	< 1	143	< 2	83	4.11	4	< 10	15	< 0.5
1429021076	None	-11.1	8.88	25.9	0.701	36.96	0.35	16	0.38	1.30	< 0.2	< 0.5	7	410	1	19	2	49	1.57	5	< 10	55	< 0.5
1429022002	Slight	-19.9	8.37	65.9	0.768	85.82	2.47	567	1.71	3.57	2.9	5.4	215	1850	< 1	5	4	1560	2.98	21	< 10	28	< 0.5
1429021013	Slight	63.5	9.12	74.7	6.66	11.22	0.37	22	1.16	0.48	0.2	< 0.5	50	661	2	49	< 2	85	1.77	5	< 10	52	< 0.5
1429022110	Slight	103	8.94	112	12.2	9.19	0.56	36	1.64	0.48	0.4	< 0.5	78	1060	< 1	66	6	121	5.11	10	< 10	21	< 0.5
1429022122	Slight	137	8.92	140	52.2	2.67	0.47	7	1.92	0.24	< 0.2	< 0.5	58	1160	< 1	136	< 2	113	4.67	8	< 10	11	< 0.5
1429021137	Slight	39.0	8.45	126	1.45	86.75	3.22	435	1.95	3.85	2.3	< 0.5	240	1710	< 1	83	4	294	4.35	30	< 10	48	< 0.5
F015386								> 5000															
GC23-0102-003	Slight	-17.8	9.05	34.9	0.663	52.67	0.71	705	0.41	1.92	1.4	6.9	39	835	< 1	15	270	1800	1.25	88	< 10	64	< 0.5
1428016002	Slight	27.5	9.50	53.5	2.06	26.01	0.43	50	0.79	0.98	0.3	< 0.5	21	625	2	24	2	59	1.49	9	< 10	70	< 0.5
1428016061	Slight	-34.9	8.46	115	0.767	149.62	5.42	268	1.73	6.55	1.2	4.5	151	1610	< 1	52	3	1400	2.03	33	< 10	23	< 0.5
MUG23-1883	None	-51.7	8.65	3.75	0.0675	55.47	0.48	1620	0.03	1.94	19.6	3.3	150	167	2	19	390	969	0.67	96	< 10	44	< 0.5
1428013154	None	21.9	9.26	66.7	1.49	44.75	0.54	303	0.98	1.61	1.3	< 0.5	26	649	< 1	18	37	120	1.25	33	< 10	46	< 0.5
1428013091	None	26.7	9.31	74.2	1.56	47.52	0.40	347	1.02	1.66	2.5	0.7	27	1080	< 1	14	49	190	0.88	248	< 10	26	< 0.5
1428016170	Slight	59.5	8.85	100	2.47	40.60	0.71	161	1.29	1.53	2.7	1.9	53	1210	< 1	96	3	744	2.70	11	< 10	65	< 0.5
1428016167	Slight	9.45	8.72	89.3	1.12	79.87	1.25	322	1.37	2.97	1.7	1.1	59	1450	< 1	30	< 2	379	1.84	22	< 10	40	< 0.5
1428010232	Slight	31.6	9.41	37.5	6.38	5.87	0.30	10	0.45	0.29	< 0.2	< 0.5	58	566	2	125	< 2	46	2.26	6	< 10	< 10	< 0.5
1428016092	Slight	-16.3	8.49	116	0.877	132.35	5.83	66	1.85	6.18	0.6	< 0.5	82	1950	< 1	42	< 2	347	2.20	19	< 10	20	< 0.5
1428013053	None	39.3	8.92	75.8	2.08	36.48	0.40	312	1.12	1.30	1.3	< 0.5	24	719	< 1	16	34	148	1.00	76	< 10	26	< 0.5
1428016005	Slight	-64.7	8.34	92.3	0.588	157.02	4.59	62	1.32	6.56	0.4	2.3	139	1590	1	55	2	402	2.62	13	< 10	24	< 0.5
1428016033	Slight	-49.1	8.24	95.9	0.661	145.01	5.39	158	1.42	6.40	0.9	0.5	132	2090	< 1	46	< 2	475	2.77	27	< 10	25	< 0.5
1428010200	Slight	65.6	9.16	87.6	3.98	22.00	0.69	55	1.02	0.93	< 0.2	< 0.5	75	763	2	113	< 2	46	2.53	10	< 10	< 10	< 0.5
1428013066	None	11.7	9.07	58.0	1.25	46.30	0.50	68	0.82	1.65	2.5	1.1	21	1330	< 1	15	9	405	1.00	66	< 10	27	< 0.5
1428013153	None	26.3	9.35	73.1	1.56	46.80	0.49	167	1.01	1.66	1.3	< 0.5	12	622	< 1	16	22	70	0.86	21	< 10	37	< 0.5
1428016166	Slight	-1.34	8.59	95.8	0.986	97.10	1.57	141	1.34	3.63	0.9	< 0.5	57	1500	1	34	< 2	216	2.35	18	< 10	48	< 0.5
1428013093	None	10.4	9.27	41.7	1.33	31.30	0.39	3540	0.66	1.13	2.2	< 0.5	51	811	< 1	18	26	155	1.34	88	< 10	43	< 0.5
F015719								570															
1428016501	Slight	-12.2	8.48	71.1	0.853	83.35	2.05	1600	1.24	3.35	6.0	< 0.5	394	1400	< 1	34	< 2	175	1.79	44	< 10	42	< 0.5
1428016551	Slight	42.3	8.62	103	1.70	60.69	1.55	936	1.75	2.46	5.5	4.0	332	1810	1	35	2	1140	1.96	36	< 10	61	< 0.5
1315026637	None	1.17	8.98	26.5	1.05	25.31	0.29	112	0.38	0.91	0.5	< 0.5	24	664	< 1	14	39	117	2.33	38	< 10	41	< 0.5
1428021060	Slight	32.4	8.47	108	1.43	76.04	2.61	168	1.52	3.30	0.8	< 0.5	83	1550	< 1	55	3	136	3.78	13	< 10	20	< 0.5
1428016513	None	60.2	8.57	113	2.14	52.76	0.99	232	1.62	2.02	3.9	4.9	91	1850	< 1	36	2	1450	2.02	24	< 10	47	< 0.5
1315026076	Slight	-28.2	8.75	25.9	0.479	54.10	0.63	785	0.35	1.92	1.0	1.1	28	714	1	22	28	392	2.55	44	< 10	56	< 0.5
1428016568	None	11.3	8.64	82.5	1.16	71.12	1.11	591	1.28	2.65	3.5	< 0.5	184	1000	4	47	2	147	1.71	37	< 10	45	< 0.5
1428013018	None	-38.4	9.02	15.5	0.287	53.86	0.49	186	0.41	1.89	1.1	0.8	33	914	< 1	13	40	325	1.20	72	< 10	25	< 0.5
1428013039	None	-8.51	8.52	5.00	0.370	13.50	0.13	54	0.07	0.48	0.6	< 0.5	14	363	< 1	19	4	57	1.47	56	< 10	37	< 0.5
1315026008	None	0.257	8.80	27.4	1.01	27.13	0.33	249	0.35	0.98	0.9	< 0.5	32	684	< 1	18	21	107	2.53	24	< 10	54	< 0.5
1428013211	None	46.3	9.36	89.4	2.07	43.08	0.41	166	1.22	1.52	1.7	< 0.5	27	869	1	10	26	112	0.58	25	< 10	35	< 0.5
1428021063	Slight	35.4	8.56	116	1.44	80.47	1.34	80	1.54	3.02	0.5	< 0.5	82	1510	< 1	65	< 2	112	3.51	17	< 10	22	< 0.5
1315026072	Slight	6.79	8.90	41.7	1.19	34.90	0.39	827	0.54	1.25	0.3	< 0.5	24	602	< 1	15	11	158	2.09	47	< 10	41	< 0.5
1428013232	Slight	43.7	9.20	87.9	1.99	44.20	0.41	121	1.15	1.55	1.2	< 0.5	26	801	< 1	22	18	108	1.07	24	< 10	30	< 0.5
1428013205	None	13.3	8.99	71.6	1.23	58.33	0.73	217	1.17	2.11	2.1	< 0.5	64	906	3	20	48	176	0.85	41	< 10	41	< 0.5
1428013028	None	16.2	9.12	50.9	1.47	34.71	0.40	427	1.11	1.23	1.9	< 0.5	17	1290	< 1	19	23	231	0.96	257	< 10	33	< 0.5

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1315026645	None	4.06	9.21	25.2	1.19	21.13	0.25	122	0.29	0.76	0.3	< 0.5	21	658	< 1	13	35	144	2.78	32	< 10	33	< 0.5
1428013228	Slight	14.0	9.01	69.8	1.25	55.73	0.63	232	0.95	1.99	1.2	1.1	41	844	1	11	59	367	0.99	43	< 10	46	< 0.5
1428021007	Slight	17.6	8.87	54.5	1.48	36.90	0.64	107	1.55	1.40	0.8	< 0.5	43	989	1	36	< 2	168	1.51	22	< 10	51	< 0.5
F015702								333															
GC23-0216-002	None	-51.4	8.46	5.43	0.0955	56.87	1.22	126	0.03	2.23	1.1	2.1	43	111	< 1	37	328	705	0.94	107	< 10	39	< 0.5
1428004059	Slight	-107	8.26	64.0	0.375	170.95	3.08	159	1.17	6.50	1.1	< 0.5	142	1510	2	56	< 2	194	2.44	27	< 10	27	< 0.5
1428010043	None	11.0	9.17	49.2	1.29	38.20	0.42	304	1.07	1.36	5.1	< 0.5	30	1170	< 1	14	23	120	0.78	188	< 10	30	< 0.5
1428004099	Slight	-3.52	8.47	82.0	0.959	85.53	3.03	211	1.48	3.75	0.7	< 0.5	87	1560	2	50	< 2	247	1.99	18	< 10	43	< 0.5
GC23-0116-003	Slight	33.5	8.84	82.3	1.69	48.74	0.48	2290	1.06	1.72	1.4	1.7	16	1190	< 1	10	17	448	0.52	135	< 10	27	< 0.5
1428010708	None	-17.4	8.75	22.6	0.565	40.00	0.32	198	0.38	1.39	1.3	< 0.5	52	653	< 1	24	6	139	1.18	181	< 10	25	< 0.5
1428010066	Slight	33.0	9.07	67.2	1.97	34.12	0.41	104	0.99	1.23	1.3	< 0.5	15	1030	1	18	6	89	1.16	161	< 10	35	< 0.5
1428004169	Slight	-37.6	8.43	96.6	0.720	134.18	2.30	285	1.81	5.08	1.0	< 0.5	66	1580	2	49	3	200	1.80	12	< 10	31	< 0.5
1428004122	Slight	-29.4	8.42	91.4	0.756	120.80	3.14	320	1.37	4.91	0.7	0.6	65	1560	< 1	41	3	281	1.84	19	< 10	31	< 0.5
1428004131	Slight	22.9	8.63	107	1.27	83.86	1.47	130	1.46	3.16	0.5	< 0.5	123	1490	< 1	54	< 2	117	3.07	12	< 10	16	< 0.5
1428004166	Slight	-99.0	8.30	75.6	0.433	174.64	4.69	198	1.34	7.15	1.3	2.1	135	1580	1	46	5	506	2.12	28	< 10	25	< 0.5
1428004133	Slight	-15.8	8.58	108	0.873	124.18	4.89	164	1.59	5.61	0.3	< 0.5	27	1020	1	46	2	92	2.18	8	< 10	24	< 0.5
1428010062	Slight	49.0	9.30	66.1	3.86	17.12	0.32	26	0.64	0.66	1.1	< 0.5	20	531	< 1	24	12	109	1.70	46	< 10	39	< 0.5
1428004145	Slight	22.9	8.68	105	1.28	81.97	2.40	99	1.39	3.43	0.5	< 0.5	70	1250	< 1	44	2	188	1.80	19	< 10	33	< 0.5
1428004204	Slight	2.93	8.43	127	1.02	124.25	4.96	53	1.29	5.63	0.4	0.6	109	1350	2	50	5	282	2.22	11	< 10	28	< 0.5
1428010077	None	-3.52	8.87	28.2	0.889	31.68	0.45	53	0.40	1.17	0.6	< 0.5	48	465	< 1	29	2	67	2.02	23	< 10	34	< 0.5
1428004136	Slight	46.6	8.57	126	1.58	79.72	2.95	159	1.57	3.53	0.6	< 0.5	163	1510	< 1	48	< 2	131	3.37	12	< 10	18	< 0.5
1428016094	Slight	-100	8.24	82.0	0.450	182.37	6.24	60	1.38	7.87	0.6	2.5	106	1860	< 1	40	2	861	2.34	24	< 10	20	< 0.5
GC23-0218-008	Slight	2.27	8.79	38.3	1.06	35.99	0.59	> 5000	0.41	1.35	1.9	4.8	50	762	< 1	18	188	1170	1.04	48	< 10	42	< 0.5
1428016278	Slight	18.6	8.30	134	1.16	115.20	5.45	66	1.56	5.51	1.0	< 0.5	105	1410	1	82	4	147	3.03	24	< 10	22	< 0.5
F015715								535															
1315035010	None	0.337	8.91	26.7	1.01	26.32	0.35	705	0.22	0.96	0.4	1.1	34	709	< 1	13	58	398	2.75	22	< 10	39	< 0.5
1429022062	Slight	138	8.60	152	11.0	13.84	1.09	94	2.17	0.81	0.4	< 0.5	84	1300	< 1	16	14	161	3.11	59	< 10	34	< 0.5
1429022620	Slight	123	9.01	128	28.4	4.50	0.59	42	1.71	0.34	0.3	< 0.5	178	940	< 1	31	2	111	2.56	10	< 10	34	< 0.5
1429022114	Slight	87.0	8.29	168	2.07	80.96	2.80	364	2.29	3.52	2.7	1.3	203	1790	< 1	25	129	568	2.96	280	< 10	23	< 0.5
GC23-0114-001	Slight	12.9	8.93	40.7	1.46	27.82	0.54	215	0.50	1.07	0.8	2.9	46	1080	< 1	12	29	766	1.42	69	< 10	36	< 0.5
1429022068	Slight	138	8.76	141	43.4	3.25	0.56	20	1.83	0.29	0.3	< 0.5	301	773	< 1	67	6	153	2.99	13	< 10	< 10	< 0.5
GC23-0113-009FD	None	-20.5	8.67	23.8	0.537	44.30	0.81	488	0.24	1.69	2.4	3.2	118	987	< 1	13	17	694	1.75	59	< 10	25	< 0.5
GC23-0141-005	None	-16.3	8.82	10.8	0.398	27.02	0.28	394	0.15	0.96	0.2	< 0.5	27	757	< 1	17	8	260	2.01	57	< 10	28	< 0.5
GC23-0117-001	None	-3.66	8.76	40.9	0.918	44.51	0.70	1260	0.48	1.63	0.9	0.9	21	995	< 1	19	17	340	1.62	77	< 10	33	< 0.5
1429022140	Slight	120	8.78	125	29.2	4.27	0.96	64	1.78	0.46	0.6	< 0.5	334	1040	< 1	75	2	123	2.70	7	< 10	11	< 0.5
GC23-0112-007	None	-35.5	8.53	27.9	0.440	63.47	0.80	661	0.30	2.30	3.2	2.9	113	508	1	15	24	746	0.89	130	< 10	25	< 0.5
GC23-0133-012	None	-48.6	8.45	9.97	0.170	58.54	0.78	2960	0.06	2.13	4.2	6.8	163	567	< 1	32	7	1450	1.53	134	< 10	32	< 0.5
1429031613	Slight	33.3	8.49	102	1.48	69.13	1.63	498	1.16	2.76	2.8	1.8	165	1010	3	52	4	403	2.82	17	< 10	55	< 0.5
GC23-0134-002	None	-14.5	9.17	12.7	0.468	27.24	0.28	4740	0.09	0.97	1.7	< 0.5	23	651	< 1	19	7	175	1.65	78	< 10	29	< 0.5
GC23-0112-013	Slight	-26.6	8.69	30.4	0.533	56.99	0.57	140	0.35	2.01	0.6	2.9	41	488	2	15	15	704	0.89	220	< 10	28	< 0.5
GC23-0126-011	None	-11.8	8.92	13.6	0.534	25.39	0.32	434	0.09	0.92	0.2	1.0	23	806	< 1	17	7	282	2.43	47	< 10	29	< 0.5
GC23-0140-010	None	-35.3	8.31	11.2	0.241	46.50	0.58	741	0.10	1.68	0.7	2.0	85	649	1	24	14	527	1.72	112	< 10	30	< 0.5
1429031619	Slight	-12.4	8.85	40.7	0.766	53.08	0.46	403	0.55	1.85	1.0	< 0.5	23	582	2	22	3	292	1.43	964	< 10	41	< 0.5
GC23-0180-016	Slight	1.70	9.02	25.3	1.07	23.62	0.31	167	0.29	0.86	0.4	< 0.5	8	656	1	14	44	145	2.22	51	< 10	28	< 0.5
GC23-0127-001	None	-201	8.23	32.0	0.137	233.15	3.23	1480	0.37	8.54	2.8	3.6	102	573	< 1	26	18	864	1.35	308	< 10	18	< 0.5
GC23-0056-008	None	-8.10	9.23	19.4	0.705	27.46	0.32	59	0.19	0.99	0.5	< 0.5	22	1060	< 1	14	49	181	2.00	31	< 10	37	< 0.5
GC23-0171-005	Slight	40.9	9.00	74.3	2.22	33.46	0.43	126	0.96	1.21	1.4	1.3	17	994	1	19	19	402	0.49	105	< 10	30	< 0.5
GC23-0072-002	Slight	-22.7	8.98	25.4	0.528	48.16	0.63	509	0.25	1.75	1.4	4.2	28	938	1	12	57	1060	1.58	78	< 10	24	< 0.5

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC23-0074-009FD	None	-52.0	8.48	14.2	0.215	66.28	0.91	1330	0.14	2.43	3.2	5.8	136	741	< 1	14	16	1550	1.26	145	< 10	30	< 0.5
GC23-0042-001	Slight	-25.4	9.04	21.4	0.458	46.81	1.06	683	0.19	1.86	6.0	14.5	78	912	< 1	13	180	3350	1.75	47	< 10	49	< 0.5
GC23-0083-006	None	-135	7.61	5.74	0.0408	140.69	0.87	1310	0.06	4.79	1.7	6.0	63	170	1	14	18	1540	0.83	265	< 10	25	< 0.5
F015720								1080															
1315022065	Slight	-26.0	8.68	40.1	0.607	66.11	0.80	541	0.50	2.38	0.9	4.7	55	631	< 1	16	16	1010	1.15	90	< 10	28	< 0.5
GC23-0078-001	Slight	39.8	9.04	101	1.65	61.33	1.23	241	1.31	2.37	0.6	10.7	68	1970	< 1	10	42	2580	0.52	81	< 10	38	< 0.5
GC23-0009-002	None	-23.5	9.03	14.9	0.388	38.47	0.68	507	0.19	1.46	1.8	7.9	52	1000	< 1	8	46	2030	0.99	48	< 10	79	< 0.5
1315022136	None	-28.8	8.93	9.97	0.257	38.73	0.52	638	0.08	1.42	0.8	< 0.5	47	789	< 1	14	13	123	1.73	44	< 10	34	< 0.5
1427003002	Slight	4.19	9.12	53.1	1.09	48.92	0.71	94	0.67	1.80	0.4	< 0.5	48	343	1	21	3	20	1.00	8	< 10	27	< 0.5
GC23-0067-001	Slight	54.9	9.37	77.2	3.47	22.24	0.76	73	0.88	0.96	0.5	1.2	26	1560	< 1	13	57	366	1.89	32	< 10	59	< 0.5
1429031039	Slight	40.7	9.12	61.3	2.98	20.59	0.60	37	0.87	0.86	0.2	< 0.5	22	473	1	30	2	110	2.56	7	< 10	91	< 0.5
1428008038	Slight	29.3	9.46	43.8	3.02	14.53	0.30	25	0.58	0.57	< 0.2	< 0.5	71	262	3	17	< 2	20	1.03	< 2	< 10	44	< 0.5
1428004640	Slight	55.2	8.81	106	2.08	51.05	0.82	169	1.39	1.91	0.4	0.6	51	1200	1	26	< 2	200	1.79	10	< 10	40	< 0.5
GC23-0176-003	None	-160	7.11	5.75	0.0347	165.56	0.91	697	0.06	5.60	2.8	4.2	197	109	1	12	23	1150	0.58	381	< 10	17	< 0.5
GC23-0189-003	Slight	-17.0	8.44	53.2	0.757	70.21	1.13	228	0.68	2.62	0.5	4.1	33	999	< 1	17	9	1040	0.60	175	< 10	27	< 0.5
GC23-0149-004	Slight	-52.3	8.62	21.5	0.291	73.81	0.72	1120	0.24	2.60	1.2	2.1	51	1010	< 1	11	38	573	1.21	83	< 10	47	< 0.5
GC23-0227-002	Slight	46.0	9.49	47.4	34.0	1.40	0.24	24	0.54	0.12	< 0.2	< 0.5	15	447	< 1	8	3	76	2.40	8	< 10	89	0.6
GC23-0098-001	Slight	-36.8	8.59	50.0	0.577	86.81	1.09	240	0.67	3.20	0.7	9.0	44	1140	< 1	9	10	2250	0.60	153	< 10	22	< 0.5
1429031049	Slight	56.9	8.79	110	2.08	52.80	1.05	36	1.37	2.04	0.3	< 0.5	56	1040	< 1	88	2	132	3.97	10	< 10	37	< 0.5
1427001015	Slight	-6.85	8.49	93.3	0.932	100.18	1.52	114	1.24	3.71	0.7	< 0.5	106	1080	2	34	12	142	2.11	13	< 10	34	< 0.5
GC23-0136-007	Slight	3.79	8.52	81.6	1.05	77.81	0.78	586	1.03	2.75	0.5	0.9	11	1200	< 1	13	15	255	0.55	227	< 10	26	< 0.5
1428004612	Slight	-12.9	8.25	140	0.915	152.52	5.25	482	1.88	6.63	2.2	< 0.5	248	1810	2	63	< 2	248	1.98	33	< 10	25	< 0.5
1428004004	Slight	46.4	8.91	97.1	1.92	50.62	0.88	80	1.42	1.91	0.4	< 0.5	21	936	< 1	23	2	132	1.25	22	< 10	57	< 0.5
1428004047	Slight	52.2	8.89	141	1.59	88.55	1.63	62	1.79	3.38	< 0.2	< 0.5	61	1310	< 1	30	< 2	182	2.05	8	< 10	27	< 0.5
1428004056	Slight	-16.6	8.22	99.8	0.857	116.44	3.34	274	1.54	4.77	1.1	< 0.5	63	1370	2	78	2	162	2.27	24	< 10	31	< 0.5
F015717								1880															
1315098233	Slight	-19.6	8.75	40.1	0.672	59.75	0.71	766	0.49	2.15	1.5	5.0	96	751	1	14	29	1100	1.11	82	< 10	25	< 0.5
1428017068	Slight	73.7	8.43	175	1.73	101.27	2.42	508	1.79	4.05	1.8	1.4	238	1680	< 1	13	5	392	2.69	27	< 10	19	< 0.5
1428017041	Slight	41.5	8.55	127	1.48	85.65	2.20	198	1.80	3.48	0.9	< 0.5	109	1620	< 1	19	3	209	2.84	33	< 10	23	< 0.5
GC23-0196-006	Slight	-15.1	8.89	15.7	0.510	30.83	0.43	636	0.11	1.13	0.3	3.2	77	627	< 1	11	4	1120	2.61	14	< 10	43	< 0.5
1315098324	None	-65.0	8.48	8.99	0.122	73.95	0.74	1460	0.15	2.61	1.7	1.6	156	958	< 1	17	22	570	1.82	78	< 10	28	< 0.5
1315098432	Slight	-36.6	8.88	15.2	0.294	51.80	0.60	1410	0.17	1.86	1.8	3.6	61	765	< 1	15	74	929	1.55	69	< 10	34	< 0.5
1315098507	Slight	-4.34	8.95	44.6	0.911	48.97	0.60	186	0.59	1.77	0.5	1.9	35	904	1	12	14	471	1.12	64	< 10	27	< 0.5
GC23-0262-007	Slight	-47.2	8.78	36.4	0.436	83.53	0.83	613	0.45	2.95	5.2	0.5	31	806	1	13	130	170	0.83	149	< 10	35	< 0.5
1315098503	Slight	-30.9	8.91	19.7	0.389	50.64	0.81	145	0.24	1.89	1.0	< 0.5	86	752	< 1	12	26	183	1.51	53	< 10	27	< 0.5
GC23-0380-018	Slight	-33.4	8.74	12.0	0.264	45.34	0.53	430	0.11	1.63	0.9	3.9	62	268	< 1	13	5	828	0.95	37	< 10	41	< 0.5
GC23-0378-005	Slight	5.60	8.49	22.2	1.34	16.59	0.29	21	0.25	0.63	0.4	< 0.5	16	498	< 1	14	29	174	2.16	27	< 10	30	< 0.5
GC23-0246-021	Slight	-4.01	9.05	42.4	0.914	46.43	1.68	1210	0.63	2.05	4.5	26.5	337	550	1	13	3890	7420	0.60	177	< 10	49	< 0.5
GC23-0157-002	Slight	0.905	8.74	50.9	1.02	49.98	0.85	221	0.67	1.88	0.5	11.0	69	1420	< 1	11	38	2540	0.76	53	< 10	35	< 0.5
1315098281	None	-32.7	8.95	25.0	0.433	57.68	0.75	610	0.35	2.09	1.2	1.9	54	706	2	14	27	570	1.28	77	< 10	29	< 0.5
1428014020	Slight	-17.3	8.98	24.7	0.588	42.02	0.53	61	0.48	1.52	0.6	< 0.5	51	1410	2	14	35	258	1.32	48	< 10	31	< 0.5
F015155								1090															
1315098273	None	-49.9	8.71	8.48	0.145	58.34	0.54	296	0.18	2.05	0.7	2.2	41	245	2	12	16	634	0.88	102	< 10	35	< 0.5
1428014135	Slight	-14.4	9.02	21.7	0.602	36.03	0.45	194	0.27	1.30	0.8	1.3	44	727	1	11	43	399	1.52	60	< 10	35	< 0.5
1428014426	Slight	12.6	9.18	73.6	1.21	60.92	0.93	466	0.96	2.26	37.4	4.4	232	1600	< 1	12	796	1040	0.74	92	< 10	41	< 0.5
1428014417	Slight	22.0	9.07	66.7	1.49	44.70	0.59	67	0.91	1.63	1.0	< 0.5	59	1300	2	13	30	159	1.53	67	< 10	41	< 0.5
1428014149	Slight	-3.19	8.99	51.8	0.942	55.02	0.57	311	0.64	1.95	2.8	1.4	49	627	< 1	14	128	412	1.09	33	< 10	27	< 0.5
1428014431	Slight	8.75	9.08	70.7	1.14	61.93	0.66	271	0.92	2.20	1.8	1.3	69	1230	< 1	17	94	366	0.73	49	< 10	26	< 0.5

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1428014182	Slight	8.47	9.10	68.9	1.14	60.41	0.70	302	0.92	2.17	4.4	1.5	67	1400	1	17	200	424	0.81	46	< 10	35	< 0.5
1428014422	Slight	24.6	9.07	64.0	1.62	39.40	0.50	126	0.87	1.43	3.7	0.9	96	1260	2	12	69	294	1.30	47	< 10	32	< 0.5
1428011107	Slight	16.9	9.20	62.4	1.37	45.55	0.53	253	1.20	1.64	5.3	< 0.5	20	1640	< 1	13	14	203	0.41	195	< 10	25	< 0.5
1428014152	Slight	-18.3	9.02	34.6	0.655	52.87	0.64	252	0.40	1.92	2.4	1.4	50	423	< 1	11	111	374	1.37	30	< 10	35	< 0.5
1428014195	Slight	-28.6	8.90	18.4	0.391	47.07	0.59	450	0.63	1.70	1.1	0.8	44	879	2	12	69	267	1.25	58	< 10	37	< 0.5
1428014434	Slight	-11.5	9.03	44.9	0.796	56.34	0.75	178	0.54	2.05	0.5	< 0.5	31	907	< 1	31	9	112	1.41	17	< 10	48	< 0.5
1428014158	Slight	12.8	8.94	65.4	1.24	52.63	0.60	197	0.84	1.89	1.6	0.8	53	1000	2	14	107	251	0.92	37	< 10	30	< 0.5
1428011062	Slight	13.6	9.02	53.9	1.34	40.32	0.57	163	1.29	1.48	1.6	< 0.5	37	573	1	15	25	95	0.83	99	< 10	34	< 0.5
1428011009	Slight	38.6	9.01	70.3	2.22	31.74	0.45	93	0.64	1.17	1.0	< 0.5	19	730	< 1	11	5	87	1.70	46	< 10	24	< 0.5
1428011067	Slight	3.21	9.43	18.2	1.22	14.95	0.20	32	0.23	0.55	1.7	< 0.5	18	518	< 1	17	5	72	1.33	30	< 10	14	< 0.5
1428011064	Slight	60.3	9.24	94.8	2.75	34.52	0.68	131	1.31	1.33	1.2	1.0	16	1170	< 1	19	11	352	0.85	117	< 10	43	< 0.5
1428011099	Slight	20.1	9.22	51.3	1.64	31.26	0.55	105	0.63	1.18	0.9	< 0.5	40	406	< 1	24	7	46	1.37	36	< 10	36	< 0.5
1428011564	Slight	-8.72	9.04	42.5	0.830	51.21	0.54	2940	0.61	1.82	24.4	0.6	27	927	< 1	20	139	426	0.89	769	< 10	31	< 0.5
F015156								1870															
1428021094	Slight	117	8.80	142	5.59	25.44	0.98	94	1.79	1.14	0.5	< 0.5	68	1380	< 1	82	< 2	122	3.56	9	< 10	14	< 0.5
1428017031	Slight	40.7	8.45	108	1.60	67.76	1.65	160	1.44	2.72	0.8	0.7	80	1390	< 1	31	4	329	2.67	15	< 10	36	< 0.5
1428017089	Slight	103	8.76	149	3.24	45.81	1.50	71	1.91	1.97	0.7	< 0.5	218	1460	< 1	57	6	148	3.09	19	< 10	21	< 0.5
GC23-0146-002	Slight	-26.9	8.46	30.2	0.530	57.09	1.27	403	0.36	2.25	1.7	25.5	118	944	< 1	10	50	5980	0.74	70	< 10	50	< 0.5
1315098176	Slight	6.62	9.07	43.5	1.18	36.93	0.70	461	0.48	1.42	1.9	6.5	70	753	< 1	37	117	1520	1.72	59	< 10	60	< 0.5
1315098121	None	-55.2	8.48	14.5	0.207	69.69	0.57	543	0.17	2.42	1.6	1.3	77	398	2	19	20	382	0.75	137	< 10	22	< 0.5
GC23-0257-016	Slight	-2.57	9.28	17.2	0.870	19.77	0.35	26	0.21	0.75	0.3	2.0	28	456	< 1	9	6	516	1.12	23	< 10	41	< 0.5
1315098046	Slight	-8.85	9.05	27.7	0.758	36.51	0.42	50	0.25	1.31	0.6	2.6	28	575	< 1	11	34	684	1.80	43	< 10	30	< 0.5
1315098205	Slight	-28.4	8.90	23.7	0.455	52.03	0.69	724	0.33	1.90	2.2	6.3	30	539	< 1	22	89	1540	1.07	69	< 10	54	< 0.5
GC23-0156-001	Slight	9.30	8.85	46.8	1.25	37.51	0.67	88	0.56	1.42	0.3	0.5	23	1230	< 1	10	45	229	1.52	39	< 10	39	< 0.5
1428010035	Slight	28.8	9.03	59.3	1.95	30.44	0.59	49	0.86	1.17	0.9	< 0.5	12	931	< 1	15	6	155	1.46	51	< 10	29	< 0.5
GC23-0263-015	Slight	6.19	9.03	61.6	1.11	55.39	0.51	484	0.74	1.93	0.5	1.3	19	734	< 1	11	112	359	0.54	24	< 10	41	< 0.5
1428021095	Slight	19.4	9.07	56.8	1.52	37.38	0.59	92	0.84	1.39	0.6	< 0.5	33	597	< 1	20	6	63	1.42	10	< 10	28	< 0.5
1428013304	Slight	33.3	9.13	67.7	1.96	34.47	0.60	104	0.93	1.30	0.9	0.6	23	907	1	24	74	251	1.16	47	< 10	33	< 0.5
1428021010	Slight	119	8.86	152	4.63	32.95	1.00	80	2.16	1.39	0.5	< 0.5	49	1280	< 1	28	< 2	100	1.53	15	< 10	36	< 0.5
1428013318	Slight	-5.04	9.00	30.6	0.859	35.68	0.49	143	0.41	1.31	0.7	1.0	52	1000	3	9	29	370	1.40	37	< 10	27	< 0.5
GC23-0280-002	Slight	-4.77	8.99	45.0	0.904	49.73	0.74	378	0.57	1.84	1.2	2.0	111	791	< 1	14	8	464	0.90	132	< 10	35	< 0.5
1315098236	None	-103	7.86	2.98	0.0280	106.48	1.04	2330	0.09	3.75	3.1	7.9	99	101	< 1	9	37	1940	0.57	554	< 10	21	< 0.5
F015126								1920															
1428011096	Slight	42.6	9.26	81.3	2.10	38.71	0.68	91	1.17	1.47	2.0	< 0.5	8	1550	< 1	10	8	147	0.61	165	< 10	34	< 0.5
1428011900	Slight	40.7	9.38	55.8	3.70	15.09	0.38	55	0.72	0.61	< 0.2	< 0.5	28	312	< 1	18	< 2	44	1.33	5	< 10	47	< 0.5
1428029020	Slight	52.1	8.63	93.5	2.26	41.43	1.06	167	1.44	1.68	0.9	1.2	145	1100	< 1	59	22	334	3.88	14	< 10	31	< 0.5
1428029038	Slight	11.8	8.94	40.9	1.40	29.12	0.43	80	0.49	1.09	0.5	0.6	11	649	2	22	< 2	221	2.16	11	< 10	66	< 0.5
1428011572	Slight	15.3	9.35	29.2	2.10	13.91	0.31	22	0.46	0.55	1.0	< 0.5	30	496	1	16	11	182	1.91	26	< 10	23	< 0.5
1428029030	Slight	-9.43	8.38	122	0.928	131.41	5.53	643	1.58	6.02	3.2	< 0.5	66	1340	1	67	3	194	3.11	23	< 10	34	< 0.5
1428029169	Slight	85.5	8.40	144	2.45	58.79	1.80	383	1.97	2.48	1.9	< 0.5	305	1390	< 1	63	3	246	3.54	14	< 10	44	< 0.5
1428029189	Slight	-11.6	8.40	99.9	0.896	111.48	2.66	369	1.45	4.46	1.4	< 0.5	99	1450	< 1	19	4	200	2.83	18	< 10	26	< 0.5
1428012230	Slight	132	8.95	146	10.6	13.79	0.58	59	1.83	0.64	0.4	< 0.5	116	1030	1	154	< 2	65	2.70	12	< 10	15	< 0.5
1428012184	Slight	96.8	9.12	102	18.8	5.44	0.31	5	1.40	0.28	< 0.2	< 0.5	43	721	< 1	90	< 2	71	2.36	6	< 10	29	< 0.5
1428029201	Slight	4.26	8.82	44.4	1.11	40.16	0.50	290	0.63	1.45	2.0	< 0.5	54	655	< 1	20	2	94	2.20	14	< 10	66	< 0.5
1428011551	None	-27.6	8.98	8.97	0.245	36.60	0.32	310	0.08	1.28	1.0	< 0.5	34	212	< 1	16	8	119	1.44	33	< 10	23	< 0.5
1428029060	Slight	49.4	8.24	158	1.45	108.66	6.18	354	1.96	5.54	1.7	< 0.5	59	1730	< 1	58	5	155	2.98	35	< 10	34	< 0.5
1428011550	Slight	-25.3	9.04	23.2	0.478	48.51	0.50	480	0.34	1.72	1.4	< 0.5	57	451	< 1	17	22	156	1.22	50	< 10	27	< 0.5
1428029174	Slight	-8.30	8.38	96.7	0.921	105.00	2.90	718	1.51	4.30	2.5	< 0.5	121	1470	1	28	4	235	2.57	23	< 10	37	< 0.5
1428029117	Slight	147	8.57	172	6.97	24.67	1.11	167	2.04	1.13	0.8	< 0.5	104	1820	< 1	14	5	204	3.28	10	< 10	15	< 0.5

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1428012198	Slight	131	9.02	139	16.2	8.60	0.49	23	1.87	0.44	< 0.2	< 0.5	45	877	< 1	127	3	71	2.95	10	< 10	48	< 0.5
1428011087	Slight	8.51	8.86	62.9	1.16	54.42	0.87	268	0.82	2.03	0.8	< 0.5	41	326	1	24	18	102	1.51	43	< 10	47	< 0.5
1428011584	Slight	-23.0	8.57	20.7	0.474	43.69	0.50	375	0.32	1.57	1.5	< 0.5	39	310	2	40	9	78	1.50	22	< 10	28	< 0.5
1428012022	Slight	60.2	9.12	70.4	6.92	10.17	0.46	17	0.80	0.48	< 0.2	< 0.5	70	775	< 1	153	< 2	50	2.80	13	< 10	< 10	< 0.5
1428011145	Slight	14.7	9.15	63.5	1.30	48.74	0.61	109	0.79	1.76	0.8	< 0.5	37	359	2	17	15	127	1.66	29	< 10	45	< 0.5
1428029076	Slight	65.0	8.35	124	2.11	58.72	1.88	397	1.60	2.51	1.5	< 0.5	165	1710	3	12	4	297	3.31	22	< 10	32	< 0.5
F015139								> 5000															
F015144								> 5000															
14300250300	Slight	26.3	8.61	82.1	1.47	55.76	1.24	183	1.46	2.20	1.9	3.1	101	1540	1	56	< 2	754	2.19	24	< 10	35	< 0.5
1316038628	Slight	34.4	8.97	72.0	1.92	37.59	0.50	38	0.94	1.37	4.8	< 0.5	33	1740	< 1	16	18	130	0.96	26	< 10	31	< 0.5

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1429030601	2	3.59	45	151	7.77	< 10	< 1	0.09	< 10	2.61	0.053	0.032	1.06	5	12	38	< 0.01	< 20	< 1	< 2	< 10	105	< 10
1429019077	< 2	3.39	43	36	10.8	10	1	< 0.01	< 10	3.09	0.016	0.042	0.34	5	14	37	0.11	< 20	1	< 2	< 10	439	< 10
1429019257	< 2	3.45	26	87	6.47	< 10	< 1	0.12	10	2.05	0.054	0.056	1.13	3	7	59	0.07	< 20	2	< 2	< 10	103	< 10
1429019922	4	4.06	37	163	9.36	10	< 1	0.37	< 10	2.54	0.139	0.059	2.47	5	11	58	0.14	< 20	2	< 2	< 10	158	< 10
1429016904	< 2	2.53	10	402	2.33	< 10	< 1	0.25	17	0.60	0.070	0.040	0.31	3	1	57	< 0.01	< 20	3	< 2	< 10	10	< 10
1429019117	< 2	3.56	32	170	8.28	10	1	0.33	< 10	2.48	0.214	0.046	2.27	4	8	84	0.12	< 20	2	< 2	< 10	153	< 10
1429019920	< 2	3.73	39	134	8.07	< 10	< 1	0.41	< 10	1.83	0.184	0.061	3.27	4	9	59	0.14	< 20	5	< 2	< 10	126	< 10
1429019260	< 2	4.03	49	122	9.26	10	< 1	0.11	< 10	3.75	0.038	0.046	0.65	4	12	44	0.10	< 20	< 1	< 2	< 10	154	< 10
1429019511	< 2	3.83	13	39	3.52	< 10	< 1	0.11	17	1.31	0.086	0.053	0.97	< 2	2	56	< 0.01	< 20	< 1	< 2	< 10	28	< 10
1429016047	3	3.79	40	88	8.68	< 10	< 1	0.13	< 10	2.45	0.047	0.053	5.98	3	6	38	< 0.01	< 20	2	< 2	< 10	59	< 10
1429019327	< 2	3.95	45	119	9.18	10	1	0.06	< 10	3.59	0.042	0.048	0.76	4	12	46	0.10	< 20	< 1	< 2	< 10	144	< 10
1429030081	4	1.81	37	106	11.0	10	2	0.10	< 10	2.41	0.022	0.071	4.42	4	12	23	0.13	< 20	3	< 2	< 10	134	< 10
1429030004	< 2	3.99	31	130	6.97	< 10	< 1	0.09	< 10	2.83	0.080	0.033	0.92	3	12	52	< 0.01	< 20	1	< 2	< 10	105	< 10
1429030609	2	4.15	35	118	7.39	< 10	1	0.10	< 10	3.27	0.074	0.031	1.36	4	11	57	< 0.01	< 20	2	< 2	< 10	100	< 10
1429019128	< 2	3.69	49	155	9.11	10	< 1	0.08	< 10	3.76	0.036	0.041	1.35	5	10	40	0.04	< 20	< 1	< 2	< 10	126	< 10
GC23-0137-012	< 2	1.93	8	106	2.56	< 10	< 1	0.26	14	0.99	0.030	0.039	2.26	3	< 1	31	0.02	< 20	2	< 2	< 10	6	< 10
1429021037	< 2	2.71	13	97	3.96	< 10	< 1	0.20	12	1.38	0.107	0.047	2.23	3	3	51	0.03	< 20	2	< 2	< 10	31	< 10
1429021027	< 2	3.96	32	157	8.31	10	< 1	0.28	< 10	2.47	0.241	0.069	3.94	4	11	108	0.13	< 20	4	< 2	< 10	147	29
F015389																							
1429031021	< 2	3.28	9	117	2.98	< 10	< 1	0.23	13	1.19	0.084	0.043	1.92	3	1	42	0.01	< 20	< 1	< 2	< 10	14	< 10
1428008172	< 2	3.65	23	298	4.42	< 10	< 1	0.23	11	2.24	0.040	0.042	0.92	3	7	63	0.12	< 20	2	< 2	< 10	61	< 10
1429031004	< 2	2.35	11	218	2.79	< 10	< 1	0.17	18	1.19	0.222	0.052	0.64	2	2	106	0.02	< 20	< 1	< 2	< 10	24	< 10
GC23-0091-002	< 2	1.13	7	109	2.13	< 10	< 1	0.31	15	0.88	0.024	0.038	1.30	2	< 1	26	0.05	< 20	< 1	< 2	< 10	8	< 10
GC23-0048-010	< 2	0.85	6	122	2.28	< 10	< 1	0.33	15	0.93	0.025	0.042	1.04	2	< 1	25	0.06	< 20	1	< 2	< 10	10	< 10
GC23-0083-011	5	0.52	9	242	3.82	< 10	< 1	0.31	11	0.13	0.033	0.042	4.38	26	< 1	24	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1429031623	< 2	3.49	24	155	5.61	< 10	1	0.23	< 10	2.10	0.217	0.045	1.73	3	5	83	0.05	< 20	1	< 2	< 10	86	< 10
1315022010	2	1.71	8	154	2.63	< 10	< 1	0.22	13	0.64	0.022	0.040	2.25	3	< 1	23	< 0.01	< 20	< 1	< 2	< 10	4	< 10
GC23-0107-007	< 2	1.21	5	100	3.11	< 10	< 1	0.23	13	0.99	0.031	0.041	2.40	3	< 1	27	0.02	< 20	2	< 2	< 10	6	< 10
1429031060	< 2	2.53	17	183	3.89	< 10	< 1	0.23	< 10	1.49	0.237	0.043	1.75	3	3	85	0.03	< 20	2	< 2	< 10	42	< 10
GC23-0051-002	< 2	1.81	6	111	1.80	< 10	< 1	0.24	15	0.98	0.030	0.040	1.10	3	< 1	28	0.01	< 20	1	< 2	< 10	6	< 10
1315022104	2	0.25	12	155	3.45	< 10	< 1	0.30	11	1.07	0.030	0.041	2.22	3	< 1	13	< 0.01	< 20	< 1	< 2	< 10	9	< 10
GC23-0107-005	< 2	1.55	7	69	2.10	< 10	< 1	0.23	15	0.72	0.021	0.041	1.60	3	< 1	22	< 0.01	< 20	< 1	< 2	< 10	4	< 10
GC23-0144-002	< 2	2.00	7	92	2.31	< 10	< 1	0.23	< 10	0.78	0.021	0.043	2.16	3	< 1	28	< 0.01	< 20	< 1	< 2	< 10	3	< 10
1315022146	< 2	0.45	10	94	3.14	< 10	< 1	0.19	12	1.20	0.042	0.041	1.31	2	< 1	23	< 0.01	< 20	< 1	< 2	< 10	8	< 10
GC23-0144-020	< 2	1.39	7	101	2.33	< 10	< 1	0.27	13	0.58	0.025	0.040	2.05	3	< 1	21	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0052-002	< 2	1.78	6	81	1.85	< 10	< 1	0.18	12	0.82	0.025	0.043	1.53	< 2	< 1	17	< 0.01	< 20	2	< 2	< 10	4	< 10
1315022132	< 2	0.34	9	119	2.77	< 10	< 1	0.28	15	0.89	0.027	0.044	1.83	2	< 1	18	0.01	< 20	< 1	< 2	< 10	7	< 10
F015385																							
1429030051	2	2.98	36	377	10.6	< 10	1	0.15	< 10	2.18	0.023	0.069	4.08	7	10	48	0.13	< 20	4	< 2	< 10	106	< 10
1429030624	< 2	3.90	30	141	9.70	< 10	1	0.12	< 10	2.20	0.025	0.068	2.74	5	10	56	0.12	< 20	6	< 2	< 10	111	< 10
1429030039	< 2	2.52	8	180	2.48	< 10	< 1	0.18	12	1.12	0.046	0.045	1.57	3	< 1	35	< 0.01	< 20	1	< 2	< 10	9	< 10
1429030608	2	4.07	35	154	7.18	< 10	< 1	0.07	< 10	3.22	0.081	0.030	1.21	5	12	58	0.01	< 20	< 1	< 2	< 10	110	< 10
1429021229	< 2	3.83	30	82	9.43	20	< 1	0.19	< 10	2.25	0.213	0.087	0.89	7	16	81	0.14	< 20	< 1	< 2	< 10	186	< 10
1429021104	4	2.63	38	125	10.3	< 10	1	0.37	< 10	2.24	0.100	0.059	7.60	5	10	45	0.16	< 20	5	< 2	< 10	128	< 10
1429030104	< 2	2.05	11	192	2.87	< 10	< 1	0.19	14	1.21	0.062	0.048	1.38	3	2	30	0.02	< 20	3	< 2	< 10	19	< 10
1429022090	< 2	3.96	43	193	8.82	10	1	0.11	< 10	3.53	0.058	0.041	0.07	5	12	39	0.11	< 20	< 1	< 2	< 10	151	< 10
1429021155	< 2	3.92	30	203	6.86	10	< 1	0.46	12	2.10	0.344	0.055	2.23	6	9	89	0.10	< 20	< 1	< 2	< 10	138	< 10
1429022016	2	4.20	53	183	9.67	10	< 1	0.01	< 10	4.07	0.027	0.037	0.02	4	14	52	0.07	< 20	< 1	< 2	< 10	144	< 10
1429021080	< 2	2.14	9	146	2.64	< 10	< 1	0.25	15	1.11	0.180	0.046	1.40	3	1	53	0.01	< 20	< 1	< 2	< 10	17	< 10
1429030645	2	2.58	9	184	2.74	< 10	< 1	0.18	15	1.26	0.069	0.044	0.88	3	1	46	< 0.01	< 20	2	< 2	< 10	13	< 10
1429021243	< 2	3.82	34	106	9.74	10	< 1	0.22	< 10	2.32	0.170	0.074	2.30	6	18	69	0.15	< 20	< 1	< 2	< 10	243	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1429021286	< 2	3.45	25	143	5.99	< 10	< 1	0.29	12	1.78	0.130	0.058	1.01	3	9	60	0.12	< 20	< 1	< 2	< 10	203	< 10
1429021236	< 2	2.57	10	149	2.57	< 10	< 1	0.19	16	1.08	0.197	0.053	0.64	3	2	90	0.03	< 20	< 1	< 2	< 10	21	< 10
1429021179	< 2	2.53	21	176	4.83	< 10	< 1	0.32	24	1.60	0.127	0.069	1.99	3	7	56	0.08	< 20	< 1	< 2	< 10	96	< 10
1429021303	< 2	3.33	27	61	9.91	20	< 1	0.12	< 10	2.00	0.156	0.111	1.18	7	14	56	0.14	< 20	< 1	< 2	< 10	130	< 10
1429021249	2	3.72	46	180	8.72	10	< 1	0.04	< 10	3.57	0.047	0.038	0.03	4	12	32	0.09	< 20	< 1	< 2	< 10	144	< 10
1429021076	< 2	1.22	8	193	2.10	< 10	< 1	0.16	12	0.85	0.136	0.039	1.18	2	1	45	< 0.01	< 20	< 1	< 2	< 10	12	< 10
1429022002	3	3.16	25	74	10.0	10	2	0.19	< 10	1.78	0.133	0.120	3.13	6	12	48	0.14	< 20	3	< 2	< 10	82	< 10
1429021013	< 2	2.58	17	301	3.93	< 10	< 1	0.14	13	1.42	0.054	0.051	0.35	3	4	39	0.06	< 20	< 1	< 2	< 10	52	< 10
1429022110	2	4.32	33	193	7.96	10	1	0.20	< 10	2.36	0.290	0.046	0.32	6	10	71	0.12	< 20	< 1	< 2	< 10	175	< 10
1429022122	2	4.11	47	165	9.03	10	< 1	0.05	< 10	3.62	0.041	0.038	0.10	5	11	44	0.06	< 20	< 1	< 2	< 10	136	< 10
1429021137	2	3.88	37	150	9.38	10	< 1	0.42	< 10	2.82	0.203	0.064	3.47	5	13	72	0.15	< 20	1	< 2	< 10	175	< 10
F015386																							
GC23-0102-003	< 2	1.21	6	177	2.49	< 10	< 1	0.40	< 10	0.63	0.028	0.037	1.82	3	< 1	25	< 0.01	< 20	2	< 2	< 10	8	< 10
1428016002	< 2	2.32	6	337	2.07	< 10	< 1	0.18	11	0.80	0.116	0.039	0.89	3	< 1	46	< 0.01	< 20	2	< 2	< 10	9	< 10
1428016061	3	2.96	28	132	7.68	< 10	1	0.15	< 10	2.12	0.044	0.064	6.33	5	6	45	< 0.01	< 20	2	< 2	< 10	52	< 10
MUG23-1883	< 2	0.19	7	188	2.03	< 10	3	0.25	11	0.22	0.033	0.044	2.00	21	< 1	12	0.01	< 20	< 1	< 2	< 10	6	< 10
1428013154	< 2	1.77	7	184	1.92	< 10	< 1	0.24	< 10	1.10	0.078	0.035	1.55	3	< 1	51	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1428013091	< 2	1.88	7	132	2.03	< 10	< 1	0.15	< 10	1.03	0.041	0.040	1.61	4	< 1	36	< 0.01	< 20	< 1	< 2	< 10	4	< 10
1428016170	< 2	3.15	24	300	5.13	< 10	< 1	0.16	18	2.88	0.039	0.078	1.33	3	8	114	0.05	< 20	2	< 2	< 10	63	< 10
1428016167	< 2	2.65	17	231	5.22	< 10	< 1	0.24	< 10	1.50	0.052	0.050	2.96	4	3	36	< 0.01	< 20	2	< 2	< 10	31	< 10
1428010232	< 2	2.08	34	305	3.75	< 10	< 1	0.04	< 10	2.36	0.050	0.021	0.17	3	5	30	0.21	< 20	2	< 2	< 10	62	< 10
1428016092	3	3.34	26	202	7.77	< 10	< 1	0.17	< 10	2.01	0.058	0.062	5.76	4	6	50	< 0.01	< 20	< 1	< 2	< 10	57	< 10
1428013053	< 2	2.10	7	169	1.93	< 10	< 1	0.14	< 10	0.93	0.045	0.039	1.26	2	< 1	41	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1428016005	3	2.96	28	167	8.43	< 10	1	0.11	< 10	2.29	0.063	0.073	6.49	4	8	44	< 0.01	< 20	< 1	< 2	< 10	75	< 10
1428016033	3	2.54	31	118	9.49	< 10	1	0.13	< 10	2.26	0.044	0.071	6.26	4	8	37	< 0.01	< 20	< 1	< 2	< 10	73	< 10
1428010200	< 2	3.59	43	345	7.20	< 10	< 1	0.03	< 10	2.61	0.057	0.033	0.82	5	8	44	0.26	< 20	3	< 2	< 10	122	< 10
1428013066	< 2	1.49	8	113	2.07	< 10	< 1	0.12	< 10	0.78	0.040	0.044	1.63	4	< 1	32	< 0.01	< 20	2	< 2	< 10	5	11
1428013153	< 2	1.84	7	138	1.86	< 10	< 1	0.18	< 10	1.01	0.061	0.037	1.66	3	< 1	48	< 0.01	< 20	3	< 2	< 10	5	< 10
1428016166	2	2.85	21	241	6.23	< 10	2	0.23	< 10	1.88	0.067	0.058	3.59	4	6	43	< 0.01	< 20	< 1	< 2	< 10	54	< 10
1428013093	< 2	1.34	7	225	1.93	< 10	< 1	0.24	< 10	0.71	0.054	0.046	1.09	4	< 1	38	< 0.01	< 20	1	< 2	< 10	6	< 10
F015719																							
1428016501	< 2	2.50	18	187	5.61	< 10	1	0.16	< 10	1.55	0.045	0.056	3.36	4	4	36	< 0.01	< 20	5	< 2	< 10	34	< 10
1428016551	3	3.05	16	286	5.28	< 10	1	0.30	< 10	1.69	0.046	0.045	2.34	4	3	47	0.01	< 20	4	< 2	< 10	33	< 10
1315026637	< 2	1.81	6	193	1.80	< 10	< 1	0.22	15	0.89	0.128	0.039	0.84	2	< 1	75	0.02	< 20	< 1	< 2	< 10	8	< 10
1428021060	< 2	3.92	30	218	7.90	10	1	0.09	< 10	2.42	0.153	0.047	2.99	4	6	54	0.03	< 20	1	< 2	< 10	111	< 10
1428016513	< 2	2.98	18	145	5.21	< 10	1	0.19	12	1.87	0.039	0.046	1.87	3	4	42	0.03	< 20	< 1	< 2	< 10	37	< 10
1315026076	< 2	1.44	12	191	3.06	< 10	< 1	0.28	22	1.05	0.078	0.062	1.87	3	1	60	0.01	< 20	< 1	< 2	< 10	16	< 10
1428016568	< 2	2.88	13	480	4.33	< 10	< 1	0.31	13	1.42	0.045	0.055	2.59	5	2	69	0.02	< 20	3	< 2	< 10	24	< 10
1428013018	< 2	0.82	8	118	2.46	< 10	< 1	0.15	< 10	1.02	0.043	0.044	1.81	2	< 1	26	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1428013039	< 2	0.28	8	254	1.46	< 10	< 1	0.18	12	0.19	0.043	0.050	0.39	3	1	20	< 0.01	< 20	< 1	< 2	< 10	9	< 10
1315026008	< 2	2.00	11	120	2.53	< 10	< 1	0.21	22	1.22	0.094	0.063	0.92	< 2	2	70	0.04	< 20	< 1	< 2	< 10	19	< 10
1428013211	< 2	2.06	6	122	1.57	< 10	< 1	0.19	< 10	1.01	0.049	0.040	1.45	3	< 1	105	< 0.01	< 20	3	< 2	< 10	4	< 10
1428021063	2	3.82	33	121	7.62	10	< 1	0.09	< 10	2.62	0.078	0.049	2.87	4	6	44	< 0.01	< 20	< 1	< 2	< 10	101	< 10
1315026072	< 2	1.97	9	178	2.33	< 10	< 1	0.19	18	0.88	0.060	0.056	1.14	2	< 1	40	< 0.01	< 20	< 1	< 2	< 10	10	< 10
1428013232	2	2.75	11	70	2.13	< 10	< 1	0.13	< 10	1.17	0.040	0.057	1.49	3	2	73	< 0.01	< 20	< 1	< 2	< 10	12	< 10
1428013205	< 2	2.38	8	245	2.21	< 10	< 1	0.20	< 10	0.88	0.063	0.046	2.00	3	< 1	74	< 0.01	< 20	3	< 2	< 10	6	< 10
1428013028	< 2	2.08	7	239	2.09	< 10	< 1	0.19	< 10	0.91	0.047	0.040	1.21	4	< 1	40	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1315026645	< 2	2.03	6	152	1.84	< 10	< 1	0.17	14	0.96	0.131	0.039	0.67	2	< 1	80	0.03	< 20	< 1	< 2	< 10	10	< 10
1428013228	< 2	2.33	8	49	2.17	< 10	< 1	0.24	< 10	0.71	0.071	0.051	2.11	2	< 1	67	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1428021007	< 2	3.13	13	107	3.25	< 10	< 1	0.20	< 10	1.60	0.053	0.054	1.37	2	3	44	< 0.01	< 20	< 1	< 2	< 10	21	< 10
F015702																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
GC23-0216-002	< 2	0.24	30	182	2.21	< 10	< 1	0.35	18	0.16	0.029	0.052	2.35	8	< 1	16	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1428004059	3	2.17	36	149	9.22	< 10	1	0.16	< 10	2.10	0.034	0.074	6.72	5	7	26	< 0.01	< 20	2	< 2	< 10	68	< 10
1428010043	< 2	1.84	8	127	2.01	< 10	< 1	0.17	< 10	0.79	0.051	0.043	1.33	4	< 1	28	< 0.01	< 20	< 1	< 2	< 10	4	< 10
1428004099	< 2	2.60	22	238	6.39	< 10	< 1	0.23	< 10	1.72	0.052	0.066	3.74	3	5	46	< 0.01	< 20	2	< 2	< 10	44	< 10
GC23-0116-003	< 2	3.02	3	99	1.75	< 10	< 1	0.22	11	0.17	0.023	0.045	1.71	< 2	< 1	36	< 0.01	< 20	< 1	< 2	< 10	3	< 10
1428010708	< 2	0.79	11	190	1.96	< 10	< 1	0.09	< 10	0.48	0.039	0.046	1.33	3	1	22	< 0.01	< 20	< 1	< 2	< 10	7	< 10
1428010066	< 2	1.90	7	213	1.90	< 10	< 1	0.18	< 10	0.82	0.061	0.039	1.14	3	< 1	31	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1428004169	3	2.97	23	258	7.01	< 10	< 1	0.23	< 10	1.97	0.040	0.068	4.94	4	6	49	< 0.01	< 20	< 1	< 2	< 10	46	< 10
1428004122	2	2.46	25	145	7.03	< 10	< 1	0.16	< 10	1.61	0.040	0.062	4.64	3	5	39	< 0.01	< 20	2	< 2	< 10	47	< 10
1428004131	2	3.76	33	192	8.48	10	< 1	0.05	< 10	2.22	0.041	0.045	2.88	4	8	31	< 0.01	< 20	< 1	< 2	< 10	185	< 10
1428004166	3	2.61	33	119	9.19	< 10	1	0.15	< 10	1.68	0.034	0.071	6.77	4	6	34	< 0.01	< 20	< 1	< 2	< 10	59	< 10
1428004133	2	3.74	29	116	6.54	< 10	1	0.09	27	1.94	0.070	0.085	5.49	3	6	40	< 0.01	< 20	< 1	< 2	< 10	55	< 10
1428010062	< 2	1.79	17	174	2.34	< 10	< 1	0.19	13	0.79	0.086	0.050	0.56	2	1	48	< 0.01	< 20	< 1	< 2	< 10	11	< 10
1428004145	< 2	2.85	23	131	5.44	< 10	< 1	0.14	< 10	1.64	0.045	0.061	3.27	3	4	48	< 0.01	< 20	< 1	< 2	< 10	35	< 10
1428004204	2	2.97	27	186	6.83	< 10	< 1	0.21	< 10	1.76	0.073	0.072	5.58	4	6	51	< 0.01	< 20	< 1	< 2	< 10	53	< 10
1428010077	< 2	1.27	12	299	2.80	< 10	< 1	0.14	15	0.99	0.083	0.054	1.06	3	1	50	< 0.01	< 20	< 1	< 2	< 10	15	< 10
1428004136	3	3.81	30	148	8.13	10	1	0.08	< 10	2.41	0.052	0.047	3.40	4	12	36	< 0.01	< 20	< 1	< 2	< 10	153	< 10
1428016094	3	2.38	31	109	9.15	< 10	< 1	0.14	< 10	2.32	0.041	0.069	7.77	5	7	29	< 0.01	< 20	< 1	< 2	< 10	61	< 10
GC23-0218-008	< 2	1.39	6	262	1.85	< 10	< 1	0.30	15	0.54	0.025	0.039	1.32	4	< 1	14	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1428016278	2	3.81	39	173	8.98	10	< 1	0.60	< 10	2.65	0.063	0.070	5.42	5	11	66	0.17	< 20	1	< 2	< 10	140	< 10
F015715																							
1315035010	< 2	1.75	9	106	2.47	< 10	< 1	0.18	19	1.10	0.096	0.055	0.90	< 2	1	71	0.04	< 20	< 1	< 2	< 10	14	< 10
1429022062	< 2	3.94	36	60	10.1	10	< 1	0.12	< 10	2.37	0.081	0.060	0.67	6	21	59	0.15	< 20	1	< 2	< 10	314	< 10
1429022620	< 2	3.99	32	102	8.37	10	< 1	0.11	< 10	2.15	0.094	0.044	0.22	4	18	38	0.18	< 20	2	< 2	< 10	367	< 10
1429022114	3	3.92	37	97	10.3	10	1	0.16	< 10	2.24	0.050	0.058	3.31	9	16	51	0.09	< 20	< 1	< 2	< 10	243	11
GC23-0114-001	< 2	1.57	7	127	2.18	< 10	< 1	0.33	12	0.86	0.028	0.040	1.03	4	< 1	24	< 0.01	< 20	1	< 2	< 10	8	< 10
1429022068	< 2	4.16	38	91	9.55	10	< 1	0.03	< 10	2.62	0.040	0.041	0.15	6	14	31	0.15	< 20	< 1	< 2	< 10	469	< 10
GC23-0113-009FD	3	0.88	7	151	4.01	< 10	< 1	0.26	12	0.96	0.023	0.043	1.65	3	< 1	21	0.04	< 20	< 1	< 2	< 10	11	< 10
GC23-0141-005	< 2	0.55	9	126	2.79	< 10	< 1	0.19	12	1.24	0.039	0.038	0.88	3	< 1	23	< 0.01	< 20	< 1	< 2	< 10	9	< 10
GC23-0117-001	< 2	1.66	7	202	2.98	< 10	< 1	0.34	15	1.04	0.026	0.038	1.59	3	< 1	24	0.02	< 20	2	< 2	< 10	9	< 10
1429022140	< 2	4.16	36	133	9.06	10	< 1	0.02	< 10	2.45	0.079	0.042	0.31	4	19	26	0.19	< 20	< 1	< 2	< 10	465	< 10
GC23-0112-007	< 2	1.01	7	186	2.73	< 10	< 1	0.27	13	0.40	0.022	0.039	2.25	4	< 1	12	< 0.01	< 20	< 1	< 2	< 10	8	< 10
GC23-0133-012	< 2	0.26	16	131	3.22	< 10	< 1	0.24	11	0.91	0.025	0.038	2.03	5	< 1	12	< 0.01	< 20	< 1	< 2	< 10	7	< 10
1429031613	< 2	2.91	19	223	4.87	< 10	1	0.19	< 10	1.71	0.161	0.042	2.59	4	4	60	< 0.01	< 20	1	< 2	< 10	44	< 10
GC23-0134-002	< 2	0.52	9	125	2.32	< 10	< 1	0.21	12	0.99	0.029	0.040	0.92	3	< 1	22	< 0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-0112-013	< 2	1.17	8	170	2.25	< 10	< 1	0.24	13	0.52	0.025	0.042	1.95	3	< 1	14	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0126-011	< 2	0.86	9	154	2.72	< 10	< 1	0.20	12	1.16	0.075	0.039	0.84	3	< 1	41	< 0.01	< 20	< 1	< 2	< 10	8	< 10
GC23-0140-010	2	0.36	10	153	3.18	< 10	< 1	0.24	12	1.13	0.029	0.039	1.60	4	< 1	15	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1429031619	< 2	1.65	8	169	2.57	< 10	< 1	0.17	13	0.81	0.079	0.039	1.81	7	< 1	31	< 0.01	< 20	1	< 2	< 10	8	< 10
GC23-0180-016	< 2	1.54	6	155	1.71	< 10	< 1	0.21	14	1.29	0.060	0.044	0.78	2	< 1	56	0.03	< 20	< 1	< 2	< 10	8	< 10
GC23-0127-001	3	1.29	13	338	7.87	< 10	< 1	0.32	12	0.69	0.036	0.032	8.91	9	< 1	23	< 0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-0056-008	< 2	1.17	7	162	1.75	< 10	< 1	0.31	15	1.25	0.044	0.042	0.92	2	< 1	64	0.04	< 20	1	< 2	< 10	10	< 10
GC23-0171-005	< 2	2.61	11	148	1.38	< 10	< 1	0.22	13	0.26	0.023	0.042	1.23	5	< 1	27	< 0.01	< 20	< 1	< 2	< 10	3	< 10
GC23-0072-002	< 2	1.00	7	146	2.85	< 10	< 1	0.36	12	1.33	0.021	0.038	1.78	3	< 1	18	0.03	< 20	1	< 2	< 10	9	< 10
GC23-0074-009FD	< 2	0.64	8	151	3.38	< 10	< 1	0.26	13	0.52	0.029	0.040	2.47	4	< 1	15	0.02	< 20	< 1	< 2	< 10	7	< 10
GC23-0042-001	< 2	0.98	6	170	2.63	< 10	< 1	0.53	15	1.03	0.028	0.039	1.76	2	< 1	44	0.04	< 20	< 1	< 2	< 10	10	< 10
GC23-0083-006	5	0.28	9	108	4.55	< 10	< 1	0.22	< 10	0.29	0.027	0.039	5.00	4	< 1	15	< 0.01	< 20	< 1	< 2	< 10	4	< 10
F015720																							
1315022065	< 2	1.50	15	102	2.77	< 10	< 1	0.23	15	0.80	0.025	0.038	2.37	3	< 1	18	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0078-001	< 2	2.14	5	101	2.68	< 10	< 1	0.25	11	0.92	0.018	0.037	2.31	3	< 1	52	< 0.01	< 20	< 1	< 2	< 10	3	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
GC23-0009-002	< 2	0.38	7	70	1.99	< 10	< 1	0.46	10	0.61	0.026	0.036	1.43	3	< 1	68	0.02	< 20	1	< 2	< 10	6	< 10
1315022136	< 2	0.36	7	114	3.12	< 10	< 1	0.24	14	1.18	0.023	0.047	1.31	3	< 1	17	0.02	< 20	< 1	< 2	< 10	8	< 10
1427003002	< 2	1.94	11	200	2.43	< 10	< 1	0.11	13	0.78	0.052	0.041	1.82	2	1	42	< 0.01	< 20	< 1	< 2	< 10	10	< 10
GC23-0067-001	< 2	2.67	5	179	1.84	< 10	< 1	0.52	12	1.09	0.038	0.037	1.00	< 2	< 1	40	< 0.01	< 20	1	< 2	< 10	8	< 10
1429031039	< 2	2.72	10	291	2.64	< 10	< 1	0.25	19	1.01	0.259	0.052	0.76	3	2	150	0.03	< 20	< 1	< 2	< 10	20	< 10
1428008038	< 2	1.67	8	214	1.99	< 10	< 1	0.13	12	0.61	0.057	0.039	0.49	< 2	< 1	34	< 0.01	< 20	2	< 2	< 10	10	< 10
1428004640	< 2	2.70	15	110	4.37	< 10	< 1	0.14	29	1.65	0.058	0.091	1.75	2	3	40	< 0.01	< 20	< 1	< 2	< 10	32	< 10
GC23-0176-003	6	0.25	7	92	4.87	< 10	< 1	0.19	14	0.17	0.021	0.039	5.84	6	< 1	8	< 0.01	< 20	< 1	< 2	< 10	3	< 10
GC23-0189-003	2	1.70	11	98	2.81	< 10	< 1	0.24	< 10	0.35	0.024	0.044	2.72	2	< 1	20	< 0.01	< 20	< 1	< 2	< 10	3	< 10
GC23-0149-004	< 2	0.71	6	120	3.31	< 10	< 1	0.34	12	0.77	0.022	0.036	2.65	3	< 1	37	< 0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-0227-002	< 2	2.11	4	59	1.64	< 10	< 1	0.22	< 10	0.59	0.087	0.030	< 0.01	< 2	< 1	124	< 0.01	< 20	1	< 2	< 10	7	< 10
GC23-0098-001	< 2	1.47	5	97	2.99	< 10	< 1	0.21	< 10	0.40	0.023	0.038	3.18	3	< 1	22	< 0.01	< 20	< 1	< 2	< 10	3	< 10
1429031049	< 2	3.78	29	102	6.09	< 10	< 1	0.11	< 10	2.24	0.268	0.037	1.98	4	5	107	< 0.01	< 20	< 1	< 2	< 10	83	< 10
1427001015	2	2.92	20	110	5.26	< 10	< 1	0.14	< 10	1.66	0.081	0.045	3.68	3	5	50	< 0.01	< 20	2	< 2	< 10	50	< 10
GC23-0136-007	< 2	3.00	6	78	2.63	< 10	< 1	0.23	13	0.17	0.025	0.045	2.84	< 2	< 1	37	< 0.01	< 20	< 1	< 2	< 10	3	< 10
1428004612	3	3.19	27	185	8.54	< 10	2	0.12	< 10	2.20	0.031	0.060	6.43	5	6	38	< 0.01	< 20	< 1	< 2	< 10	49	< 10
1428004004	< 2	2.80	11	141	3.26	< 10	< 1	0.18	15	1.24	0.067	0.055	1.93	3	2	37	< 0.01	< 20	< 1	< 2	< 10	15	< 10
1428004047	< 2	3.50	23	77	6.28	< 10	< 1	0.09	20	1.89	0.053	0.089	3.11	3	6	42	< 0.01	< 20	< 1	< 2	< 10	53	< 10
1428004056	< 2	2.87	26	243	7.21	< 10	1	0.12	< 10	2.32	0.033	0.073	4.40	4	7	65	< 0.01	< 20	< 1	< 2	< 10	54	< 10
F015717																							
1315098233	< 2	1.37	8	129	2.59	< 10	< 1	0.23	12	0.85	0.024	0.037	2.12	4	< 1	19	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1428017068	3	3.57	33	62	10.2	10	< 1	0.09	< 10	2.30	0.034	0.071	3.80	5	16	60	0.15	< 20	< 1	< 2	< 10	220	< 10
1428017041	< 2	3.85	28	54	9.40	10	1	0.46	11	2.44	0.040	0.127	3.28	5	13	94	0.16	< 20	3	< 2	< 10	116	< 10
GC23-0196-006	< 2	1.31	9	103	2.22	< 10	< 1	0.14	24	0.75	0.098	0.059	1.03	< 2	1	54	0.03	< 20	< 1	< 2	< 10	14	< 10
1315098324	< 2	0.33	9	134	4.63	< 10	< 1	0.23	11	1.26	0.019	0.038	2.56	4	< 1	10	0.02	< 20	1	< 2	< 10	10	< 10
1315098432	3	0.51	7	156	3.51	< 10	< 1	0.23	12	1.08	0.022	0.038	1.80	3	< 1	15	0.01	< 20	< 1	< 2	< 10	8	< 10
1315098507	< 2	1.61	7	118	2.60	< 10	< 1	0.27	14	0.67	0.021	0.039	1.69	2	< 1	20	0.01	< 20	< 1	< 2	< 10	6	< 10
GC23-0262-007	2	1.01	10	55	2.76	< 10	< 1	0.33	10	0.34	0.044	0.048	3.01	3	< 1	23	< 0.01	< 20	2	< 2	< 10	6	< 10
1315098503	< 2	0.83	7	115	3.62	< 10	< 1	0.32	13	0.93	0.021	0.039	1.88	3	< 1	26	0.07	< 20	< 1	< 2	< 10	10	< 10
GC23-0380-018	< 2	0.60	8	160	2.04	< 10	< 1	0.21	15	0.28	0.070	0.040	1.57	3	< 1	37	0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-0378-005	< 2	1.32	6	180	1.64	< 10	< 1	0.13	< 10	0.50	0.110	0.035	0.55	2	< 1	84	< 0.01	< 20	< 1	< 2	< 10	8	10
GC23-0246-021	< 2	1.66	9	55	1.55	< 10	< 1	0.32	14	0.04	0.027	0.045	2.10	16	< 1	32	< 0.01	< 20	2	< 2	< 10	4	< 10
GC23-0157-002	< 2	1.46	6	121	2.25	< 10	< 1	0.22	12	0.65	0.021	0.037	1.89	3	< 1	21	< 0.01	< 20	2	< 2	< 10	4	< 10
1315098281	3	0.98	7	94	3.27	< 10	< 1	0.30	14	0.72	0.023	0.038	2.06	3	< 1	16	0.03	< 20	2	< 2	< 10	7	< 10
1428014020	< 2	1.03	9	128	2.33	< 10	< 1	0.14	< 10	0.67	0.042	0.043	1.47	2	< 1	28	< 0.01	< 20	< 1	< 2	< 10	5	< 10
F015155																							
1315098273	< 2	0.34	9	79	2.15	< 10	< 1	0.31	13	0.34	0.028	0.038	2.05	3	< 1	12	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1428014135	< 2	0.87	7	103	1.96	< 10	< 1	0.16	10	0.76	0.044	0.042	1.19	< 2	< 1	31	< 0.01	< 20	1	< 2	< 10	5	< 10
1428014426	< 2	1.72	9	64	2.24	< 10	1	0.27	< 10	0.79	0.040	0.042	2.47	37	< 1	28	< 0.01	< 20	< 1	< 2	< 10	4	< 10
1428014417	< 2	1.93	8	131	2.23	< 10	< 1	0.20	< 10	1.03	0.045	0.042	1.64	< 2	< 1	36	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1428014149	< 2	1.35	8	98	2.03	< 10	< 1	0.12	< 10	0.90	0.064	0.042	1.96	4	< 1	40	< 0.01	< 20	3	< 2	< 10	5	< 10
1428014431	< 2	1.68	9	165	2.30	< 10	< 1	0.15	< 10	0.90	0.034	0.046	2.22	4	< 1	22	< 0.01	< 20	< 1	< 2	< 10	4	< 10
1428014182	< 2	1.66	7	198	2.20	< 10	< 1	0.22	< 10	0.83	0.041	0.043	2.17	8	< 1	25	< 0.01	< 20	1	< 2	< 10	4	< 10
1428014422	< 2	1.90	7	128	2.07	< 10	< 1	0.14	< 10	1.00	0.038	0.043	1.40	2	< 1	31	< 0.01	< 20	2	< 2	< 10	4	< 10
1428011107	< 2	1.94	6	140	1.90	< 10	< 1	0.16	< 10	0.83	0.036	0.034	1.53	3	< 1	16	< 0.01	< 20	1	< 2	< 10	2	< 10
1428014152	< 2	1.10	8	46	1.89	< 10	< 1	0.16	10	0.75	0.084	0.043	1.73	3	< 1	42	< 0.01	< 20	2	< 2	< 10	6	< 10
1428014195	< 2	1.34	8	69	1.98	< 10	< 1	0.20	< 10	0.83	0.047	0.046	1.67	2	< 1	29	< 0.01	< 20	1	< 2	< 10	5	< 10
1428014434	< 2	1.06	12	169	2.56	< 10	< 1	0.23	< 10	1.00	0.048	0.062	2.01	2	2	27	< 0.01	< 20	< 1	< 2	< 10	12	< 10
1428014158	< 2	1.62	8	126	2.07	< 10	< 1	0.16	< 10	0.88	0.039	0.042	1.89	3	< 1	29	< 0.01	< 20	< 1	< 2	< 10	4	< 10
1428011062	< 2	2.21	7	139	2.02	< 10	< 1	0.16	< 10	0.95	0.055	0.040	1.47	3	< 1	37	< 0.01	< 20	1	< 2	< 10	4	< 10
1428011009	< 2	1.66	7	83	1.91	< 10	< 1	0.12	< 10	0.79	0.061	0.037	1.10	2	1	34	< 0.01	< 20	< 1	< 2	< 10	9	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1428011067	< 2	0.52	8	170	1.65	< 10	< 1	0.08	< 10	0.65	0.069	0.048	0.46	4	< 1	19	< 0.01	< 20	< 1	< 2	< 10	7	12
1428011064	< 2	2.15	6	284	1.97	< 10	< 1	0.22	< 10	0.90	0.065	0.035	1.27	3	< 1	35	< 0.01	< 20	< 1	< 2	< 10	4	< 10
1428011099	< 2	1.80	9	294	2.35	< 10	< 1	0.15	13	0.77	0.096	0.042	1.12	3	1	45	< 0.01	< 20	3	< 2	< 10	13	< 10
1428011564	< 2	1.16	7	251	2.25	< 10	1	0.20	10	0.48	0.066	0.037	1.75	10	< 1	19	< 0.01	< 20	< 1	< 2	< 10	5	< 10
F015156																							
1428021094	< 2	3.87	38	222	8.29	10	< 1	0.07	< 10	2.85	0.066	0.042	0.96	5	6	40	0.11	< 20	< 1	< 2	< 10	136	< 10
1428017031	2	3.46	28	218	9.68	10	< 1	0.12	< 10	2.07	0.046	0.106	2.57	5	11	68	0.15	< 20	< 1	< 2	< 10	119	< 10
1428017089	< 2	3.93	33	97	9.60	10	< 1	0.06	< 10	2.47	0.064	0.060	1.76	4	16	48	0.12	< 20	1	< 2	< 10	337	< 10
GC23-0146-002	< 2	0.78	5	100	2.37	< 10	< 1	0.25	11	0.48	0.023	0.041	2.26	3	< 1	29	< 0.01	< 20	3	< 2	< 10	4	< 10
1315098176	< 2	1.63	13	86	2.68	< 10	< 1	0.69	20	1.40	0.040	0.075	1.34	5	2	94	0.09	< 20	< 1	< 2	< 10	27	< 10
1315098121	3	0.50	8	126	2.96	< 10	< 1	0.21	15	0.36	0.020	0.043	2.66	5	< 1	9	0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0257-016	< 2	0.90	6	94	1.73	< 10	< 1	0.18	15	0.46	0.080	0.042	0.70	< 2	< 1	45	0.02	< 20	< 1	< 2	< 10	7	< 10
1315098046	< 2	1.47	7	112	1.77	< 10	< 1	0.20	16	0.83	0.089	0.038	1.22	2	< 1	44	0.02	< 20	< 1	< 2	< 10	7	< 10
1315098205	< 2	0.91	10	87	2.34	< 10	< 1	0.36	15	0.69	0.029	0.050	1.86	4	1	45	0.03	< 20	4	< 2	< 10	11	< 10
GC23-0156-001	< 2	1.73	7	87	1.88	< 10	< 1	0.33	15	1.02	0.034	0.040	1.38	3	< 1	28	< 0.01	< 20	< 1	< 2	< 10	7	< 10
1428010035	< 2	1.87	9	145	2.34	< 10	< 1	0.13	< 10	0.86	0.056	0.047	1.15	< 2	< 1	39	< 0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-0263-015	2	2.41	5	100	1.84	< 10	< 1	0.24	16	0.11	0.030	0.039	1.96	< 2	< 1	53	0.02	< 20	1	< 2	< 10	5	< 10
1428021095	< 2	2.10	9	122	2.41	< 10	< 1	0.11	12	1.12	0.078	0.049	1.33	2	1	32	< 0.01	< 20	< 1	< 2	< 10	13	< 10
1428013304	< 2	1.92	7	369	2.14	< 10	< 1	0.20	< 10	0.92	0.056	0.040	1.28	4	< 1	43	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1428021010	< 2	3.80	18	209	4.61	< 10	< 1	0.15	< 10	1.58	0.050	0.048	1.23	4	6	50	< 0.01	< 20	< 1	< 2	< 10	68	< 10
1428013318	< 2	1.28	7	54	1.92	< 10	< 1	0.14	< 10	0.65	0.044	0.043	1.31	< 2	< 1	24	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0280-002	< 2	1.33	6	186	2.31	< 10	< 1	0.33	11	0.40	0.031	0.035	1.78	3	< 1	25	< 0.01	< 20	2	< 2	< 10	4	< 10
1315098236	5	0.16	9	43	3.58	< 10	1	0.23	12	0.16	0.020	0.036	4.06	5	< 1	6	< 0.01	< 20	< 1	< 2	< 10	3	< 10
F015126																							
1428011096	< 2	1.97	6	80	1.73	< 10	< 1	0.21	< 10	0.87	0.049	0.035	1.47	3	< 1	22	< 0.01	< 20	3	< 2	< 10	3	< 10
1428011900	< 2	2.13	8	172	2.17	< 10	< 1	0.11	16	0.80	0.073	0.045	0.48	2	1	55	< 0.01	< 20	< 1	< 2	< 10	14	< 10
1428029020	< 2	3.61	34	235	7.85	10	< 1	0.23	< 10	2.65	0.103	0.045	1.50	5	7	35	0.13	< 20	2	< 2	< 10	168	< 10
1428029038	2	1.88	8	156	2.33	< 10	< 1	0.23	16	1.12	0.179	0.050	1.05	2	1	72	< 0.01	< 20	3	< 2	< 10	14	< 10
1428011572	2	1.32	8	118	2.20	< 10	< 1	0.10	14	0.68	0.095	0.048	0.44	3	< 1	33	< 0.01	< 20	< 1	< 2	< 10	9	< 10
1428029030	2	3.65	33	121	8.56	< 10	< 1	0.49	< 10	2.28	0.184	0.064	5.97	5	10	63	0.13	< 20	5	< 2	< 10	130	< 10
1428029169	< 2	3.84	40	106	10.6	10	1	0.24	< 10	2.66	0.078	0.041	2.21	5	22	60	0.16	< 20	3	< 2	< 10	433	< 10
1428029189	2	3.32	26	78	8.90	10	< 1	0.39	< 10	1.96	0.133	0.098	4.22	5	9	106	0.14	< 20	2	< 2	< 10	106	< 10
1428012230	< 2	4.67	38	416	5.91	< 10	< 1	0.02	< 10	2.91	0.046	0.019	0.53	4	6	54	0.12	< 20	2	< 2	< 10	85	< 10
1428012184	< 2	3.56	23	252	4.27	< 10	< 1	0.13	12	2.35	0.027	0.037	0.15	3	10	114	0.05	< 20	< 1	< 2	< 10	71	< 10
1428029201	< 2	2.02	7	174	2.82	< 10	< 1	0.27	14	1.02	0.207	0.045	1.45	4	1	67	0.03	< 20	3	< 2	< 10	13	< 10
1428011551	< 2	0.28	9	104	2.05	< 10	< 1	0.09	12	0.99	0.056	0.049	1.23	< 2	< 1	24	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1428029060	< 2	3.88	35	109	8.66	< 10	< 1	0.37	< 10	2.13	0.165	0.061	5.52	5	10	64	0.14	< 20	3	< 2	< 10	141	< 10
1428011550	< 2	0.85	9	135	2.07	< 10	< 1	0.12	< 10	0.73	0.067	0.046	1.73	3	< 1	36	< 0.01	< 20	2	< 2	< 10	5	< 10
1428029174	< 2	3.25	24	85	7.24	< 10	< 1	0.31	< 10	1.88	0.124	0.059	4.11	4	9	74	0.12	< 20	6	< 2	< 10	107	< 10
1428029117	2	3.99	36	61	9.75	10	1	0.08	< 10	2.35	0.081	0.063	0.95	4	18	60	0.14	< 20	1	< 2	< 10	257	< 10
1428012198	< 2	4.38	32	354	5.03	< 10	1	0.16	< 10	2.87	0.031	0.032	0.29	4	14	131	0.05	< 20	< 1	< 2	< 10	90	< 10
1428011087	3	2.16	8	298	2.41	< 10	< 1	0.14	11	1.19	0.077	0.041	1.96	3	< 1	63	< 0.01	< 20	1	< 2	< 10	7	< 10
1428011584	< 2	0.90	13	170	2.51	< 10	< 1	0.12	< 10	1.01	0.065	0.044	1.51	< 2	2	40	< 0.01	< 20	3	< 2	< 10	19	< 10
1428012022	< 2	3.04	40	440	4.51	< 10	< 1	0.01	< 10	2.86	0.049	0.022	0.34	5	7	47	0.21	< 20	2	< 2	< 10	68	< 10
1428011145	3	2.23	7	181	2.04	< 10	< 1	0.15	13	1.21	0.087	0.043	1.71	2	< 1	60	< 0.01	< 20	1	< 2	< 10	8	< 10
1428029076	3	3.52	34	66	10.2	10	< 1	0.20	< 10	2.33	0.079	0.069	2.23	7	14	45	0.19	< 20	2	< 2	< 10	247	< 10
F015139																							
F015144																							
14300250300	< 2	2.72	24	140	5.36	< 10	< 1	0.13	< 10	2.19	0.034	0.041	2.11	3	4	37	0.01	< 20	2	< 2	< 10	42	< 10
1316038628	< 2	2.27	7	115	1.93	< 10	< 1	0.23	11	0.82	0.033	0.034	1.36	< 2	< 1	44	< 0.01	< 20	< 1	< 2	< 10	5	< 10

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1429030601	5	3	
1429019077	6	4	
1429019257	7	14	
1429019922	9	8	
1429016904	3	9	
1429019117	7	6	
1429019920	9	8	
1429019260	8	4	
1429019511	4	19	
1429016047	7	7	
1429019327	8	4	
1429030081	5	8	
1429030004	5	5	
1429030609	6	5	
1429019128	7	5	
GC23-0137-012	2	28	
1429021037	4	17	
1429021027	9	9	
F015389			
1429031021	3	13	
1428008172	4	12	
1429031004	4	16	
GC23-0091-002	2	30	
GC23-0048-010	2	29	
GC23-0083-011	2	21	
1429031623	5	13	
1315022010	2	22	
GC23-0107-007	2	28	
1429031060	4	22	
GC23-0051-002	2	25	
1315022104	2	27	
GC23-0107-005	2	24	
GC23-0144-002	2	16	
1315022146	2	23	
GC23-0144-020	2	20	
GC23-0052-002	2	24	
1315022132	3	22	
F015385			5.48
1429030051	8	8	
1429030624	8	7	
1429030039	3	8	
1429030608	5	5	
1429021229	10	7	
1429021104	10	9	
1429030104	3	11	
1429022090	8	3	
1429021155	7	11	
1429022016	7	3	
1429021080	3	17	
1429030645	3	8	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1429021243	10	7	
1429021286	6	15	
1429021236	4	15	
1429021179	6	24	
1429021303	14	9	
1429021249	7	3	
1429021076	2	29	
1429022002	13	10	
1429021013	5	20	
1429022110	7	3	
1429022122	8	3	
1429021137	9	8	
F015386			5.52
GC23-0102-003	2	17	
1428016002	2	9	
1428016061	5	12	
MUG23-1883	2	11	
1428013154	1	12	
1428013091	1	7	
1428016170	5	17	
1428016167	5	14	
1428010232	4	3	
1428016092	7	14	
1428013053	1	7	
1428016005	9	14	
1428016033	8	9	
1428010200	7	5	
1428013066	1	11	
1428013153	1	12	
1428016166	7	19	
1428013093	1	11	
F015719			
1428016501	4	15	
1428016551	4	10	
1315026637	2	20	
1428021060	7	5	
1428016513	5	13	
1315026076	3	30	
1428016568	4	15	
1428013018	1	11	
1428013039	1	14	
1315026008	3	15	
1428013211	2	8	
1428021063	7	7	
1315026072	3	18	
1428013232	3	15	
1428013205	2	15	
1428013028	1	7	
1315026645	2	18	
1428013228	2	13	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1428021007	3	11	
F015702			
GC23-0216-002	1	29	
1428004059	5	10	
1428010043	1	8	
1428004099	3	11	
GC23-0116-003	2	13	
1428010708	1	14	
1428010066	1	6	
1428004169	3	13	
1428004122	3	8	
1428004131	5	5	
1428004166	4	7	
1428004133	7	20	
1428010062	2	12	
1428004145	3	11	
1428004204	9	18	
1428010077	2	10	
1428004136	6	5	
1428016094	6	11	
GC23-0218-008	2	16	11.2
1428016278	10	14	
F015715			
1315035010	3	13	
1429022062	11	5	
1429022620	8	5	
1429022114	9	6	
GC23-0114-001	2	21	
1429022068	6	3	
GC23-0113-009FD	2	38	
GC23-0141-005	3	21	
GC23-0117-001	2	30	
1429022140	8	4	
GC23-0112-007	2	21	
GC23-0133-012	2	29	
1429031613	5	15	
GC23-0134-002	2	22	
GC23-0112-013	2	23	
GC23-0126-011	2	20	
GC23-0140-010	2	23	
1429031619	3	12	
GC23-0180-016	2	12	
GC23-0127-001	2	32	
GC23-0056-008	2	31	
GC23-0171-005	2	18	
GC23-0072-002	2	34	
GC23-0074-009FD	2	39	
GC23-0042-001	2	27	
GC23-0083-006	1	19	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
F015720			
1315022065	2	27	
GC23-0078-001	1	12	
GC23-0009-002	1	24	
1315022136	3	14	
1427003002	3	9	
GC23-0067-001	2	20	
1429031039	4	16	
1428008038	2	9	
1428004640	4	15	
GC23-0176-003	1	25	
GC23-0189-003	1	15	
GC23-0149-004	1	24	
GC23-0227-002	1	7	
GC23-0098-001	1	17	
1429031049	4	7	
1427001015	5	12	
GC23-0136-007	2	17	
1428004612	3	11	
1428004004	4	16	
1428004047	10	16	
1428004056	5	13	
F015717			
1315098233	2	22	
1428017068	8	8	
1428017041	12	12	
GC23-0196-006	3	8	
1315098324	2	16	
1315098432	2	17	
1315098507	2	22	
GC23-0262-007	2	22	
1315098503	2	22	
GC23-0380-018	2	29	
GC23-0378-005	2	17	
GC23-0246-021	2	25	
GC23-0157-002	2	16	
1315098281	2	20	
1428014020	1	10	
F015155			
1315098273	2	19	
1428014135	1	8	
1428014426	1	16	
1428014417	1	11	
1428014149	1	10	
1428014431	2	15	
1428014182	1	13	
1428014422	1	10	
1428011107	1	6	
1428014152	1	11	
1428014195	1	12	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1428014434	2	14	
1428014158	1	11	
1428011062	2	7	
1428011009	1	6	
1428011067	< 1	8	
1428011064	1	7	
1428011099	3	12	
1428011564	1	9	
F015156			
1428021094	6	4	
1428017031	12	13	
1428017089	9	6	
GC23-0146-002	2	18	
1315098176	2	25	
1315098121	2	28	
GC23-0257-016	3	25	
1315098046	2	25	
1315098205	2	26	
GC23-0156-001	2	27	
1428010035	1	9	
GC23-0263-015	2	20	
1428021095	3	18	
1428013304	2	8	
1428021010	3	11	
1428013318	1	7	
GC23-0280-002	1	14	
1315098236	2	25	
F015126			
1428011096	1	6	
1428011900	3	10	
1428029020	6	4	
1428029038	3	17	
1428011572	1	11	
1428029030	8	13	
1428029169	7	5	
1428029189	11	14	
1428012230	3	2	
1428012184	4	10	
1428029201	3	17	
1428011551	1	8	
1428029060	9	7	
1428011550	2	12	
1428029174	8	17	
1428029117	9	5	
1428012198	5	8	
1428011087	2	11	
1428011584	2	9	
1428012022	4	3	
1428011145	2	12	
1428029076	9	7	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
F015139			5.46
F015144			5.52
14300250300	4	10	
1316038628	2	20	

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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							41.7			14.1													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.6			14.4													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.6			14.4													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.5			14.6													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							42.0			14.3													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.8			14.0													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.9			14.3													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							40.8			14.3													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.7			14.4													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.7			14.3													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							42.4			14.3													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.6			14.3													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							42.3			14.1													
BaSO4 Cert							41.94			14.0													
RTS-3a Meas							29.4																
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							29.8																
RTS-3a Cert							29.90																
RTS-3a Meas							29.9																
RTS-3a Cert							29.90																
RTS-3a Meas							29.9																
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																
RTS-3a Meas							29.8																
RTS-3a Cert							29.90																
RTS-3a Meas							29.7																
RTS-3a Cert							29.90																
RTS-3a Meas							30.0																
RTS-3a Cert							29.90																
GS311-4 Meas									1.10	0.53													

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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									1.11	0.54													
GS311-4 Meas									1.10	0.56													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.10	0.56													
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	0.55													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.09	0.55													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.11	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									1.08	0.53													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.09	0.54													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.14	0.55													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.14	0.55													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.13	0.54													
GS311-4 Cert									1.11	0.54													
OREAS 45d (Aqua Regia) Meas													364	403		200	14	33	5.21	10		75	
OREAS 45d (Aqua Regia) Cert													345	400		176	17	30.6	4.86	6.50		80	
OREAS 45d (Aqua Regia) Meas													363	395		209	14	33	5.24	5		75	
OREAS 45d (Aqua Regia) Cert													345	400		176	17	30.6	4.86	6.50		80	
SiO2 Meas							< 0.05		0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	0.02													

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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		< 0.01	0.02													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	0.02													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	0.13													
SiO2 Cert																							
NBM-1 (slight fzz) Meas			8.68																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.47																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.69																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.49																				
NBM-1 (slight fzz) Cert			8.53																				
OREAS 907 (Aqua Regia) Meas											1.2	< 0.5	6420	333	5	5	33	140	1.14	36		224	1.0
OREAS 907 (Aqua Regia) Cert											1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870
OREAS 238 (Fire Assay) Meas								2980															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3080															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3170															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3180															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3120															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3180															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire								3130															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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								3100															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3080															
OREAS 238 (Fire Assay) Cert								3030															
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									0.06	0.36													
GS316-3 Cert									0.0600	0.340													
GS316-3 Meas									0.06	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									0.06	0.33													
GS316-3 Cert									0.0600	0.340													
GS316-3 Meas									0.05	0.32													
GS316-3 Cert									0.0600	0.340													
GS316-3 Meas									0.06	0.33													
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	0.36													
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	0.35													
GS316-3 Cert									0.0600	0.340													
OREAS 130 (Aqua Regia) Meas											5.5	27.3	234	1530	7	32	1220	> 10000	1.10	195			
OREAS 130 (Aqua Regia) Cert											6.27	28.8	226	1630	8.25	35.2	1300	16900	1.10	205			
OREAS 130 (Aqua Regia) Meas											5.8	28.1	239	1570	8	33	1240	> 10000	1.16	208			
OREAS 130 (Aqua Regia) Cert											6.27	28.8	226	1630	8.25	35.2	1300	16900	1.10	205			
Oreas E1336 (Fire Assay) Meas								506															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								522															
Oreas E1336 (Fire Assay) Cert								510															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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								513															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								524															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								529															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								528															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								502															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								522															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								520															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								518															
Oreas E1336 (Fire Assay) Cert								510															
GS317-5 Meas									8.23	14.7													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.26	15.3													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.31	15.2													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.32	15.3													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.48	15.2													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.37	15.1													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.36	15.0													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.47	15.2													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.38	15.2													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.60	15.0													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.52	15.2													

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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									8.46	15.5													
GS317-5 Meas									8.54	15.1													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.34	14.9													
GS317-5 Cert									8.46	15.5													
Oreas 620 (Aqua Regia) Meas											35.5	160	1780	425	9	13	> 5000	> 10000	1.17	48		23	0.6
Oreas 620 (Aqua Regia) Cert											38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6
OREAS L15 Meas																							
OREAS L15 Cert																							
OREAS L14 Meas								3260															
OREAS L14 Cert								3240.00															
OREAS L16 Meas																							
OREAS L16 Cert																							
1429019117 Orig											1.8	< 0.5	238	1380	< 1	58	7	208	4.30	32	< 10	61	< 0.5
1429019117 Dup											1.7	< 0.5	236	1380	1	58	6	207	4.30	34	< 10	63	< 0.5
1429019920 Orig		41.8		123	1.51	81.29																	
1429019920 Dup		40.3		122	1.50	81.29																	
1429016047 Orig							5.23	348	2.37	6.20													
1429016047 Dup							5.16	343	2.40	6.16													
1429019128 Orig		91.3		129	3.44	37.43																	
1429019128 Dup		94.8		132	3.53	37.43																	
1429031021 Orig							0.85	275															
1429031021 Dup							0.88	268															
1429031004 Orig									0.74	0.70													
1429031004 Dup									0.73	0.73													
GC23-0083-011 Orig											9.8	8.7	175	189	2	19	63	1900	0.78	304	< 10	32	< 0.5
GC23-0083-011 Dup											10.1	8.7	172	187	2	20	62	1920	0.77	316	< 10	33	< 0.5
1315022104 Orig								688															
1315022104 Dup								772															
GC23-0107-005 Orig									0.50	1.57													
GC23-0107-005 Dup									0.49	1.57													
GC23-0144-002 Orig							0.66																
GC23-0144-002 Dup							0.55																
1429030608 Orig								44															
1429030608 Dup								43															
1429021229 Orig							1.43				0.4	0.6	68	1650	< 1	23	9	338	4.01	12	< 10	29	< 0.5
1429021229 Dup							1.46				0.8	0.7	67	1630	< 1	23	10	331	3.95	12	< 10	29	< 0.5
1429021104 Orig									1.29	8.00													
1429021104 Dup									1.30	8.03													
1429022016 Orig	Slight	150		152	128	1.19																	
1429022016 Dup	Slight	151		152	128	1.19																	
1429021179 Orig								42	1.13	2.14													

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1429021179 Dup								46	1.11	2.15													
1429021249 Orig							0.40																
1429021249 Dup							0.38																
GC23-0102-003 Orig											1.4	6.9	39	835	< 1	15	270	1800	1.25	88	< 10	64	< 0.5
GC23-0102-003 Dup											1.3	7.1	39	844	< 1	14	271	1840	1.27	86	< 10	66	< 0.5
1428016061 Orig							5.42		1.73	6.55													
1428016061 Dup							5.07		1.74	6.53													
MUG23-1883 Orig								1620															
MUG23-1883 Dup								1570															
1428016092 Orig			8.49																				
1428016092 Dup			8.49																				
1428016033 Orig									1.42	6.40													
1428016033 Dup									1.43	6.48													
1428010200 Orig											< 0.2	< 0.5	75	763	2	113	< 2	46	2.53	10	< 10	< 10	< 0.5
1428010200 Dup											0.2	< 0.5	75	756	2	112	< 2	46	2.52	7	< 10	< 10	< 0.5
1428013153 Orig							0.49																
1428013153 Dup							0.47																
1428016166 Orig								141															
1428016166 Dup								138															
1315026076 Orig									0.35	1.92													
1315026076 Dup									0.34	1.96													
1428016568 Orig							1.11				3.5	< 0.5	184	1000	4	47	2	147	1.71	37	< 10	45	< 0.5
1428016568 Dup							1.15				3.6	< 0.5	179	1000	4	47	< 2	152	1.70	38	< 10	35	< 0.5
1428013018 Orig								186															
1428013018 Dup								180															
1428013232 Orig	Slight	43.7		87.9	1.99	44.20																	
1428013232 Dup	Slight	43.7		87.9	1.99	44.20																	
1428013028 Orig									1.11	1.23													
1428013028 Dup									1.11	1.26													
1428021007 Orig								107															
1428021007 Dup								130															
GC23-0216-002 Orig							1.22				1.1	2.1	43	111	< 1	37	328	705	0.94	107	< 10	39	< 0.5
GC23-0216-002 Dup							1.24				1.2	2.0	46	112	< 1	39	351	678	0.92	116	< 10	38	< 0.5
1428004169 Orig									1.81	5.08													
1428004169 Dup									1.82	5.04													
1428004131 Orig							1.47	130															
1428004131 Dup							1.39	125															
1428004136 Orig											0.6	< 0.5	163	1510	< 1	48	< 2	131	3.37	12	< 10	18	< 0.5
1428004136 Dup											0.6	< 0.5	164	1520	< 1	48	< 2	133	3.38	13	< 10	19	< 0.5
1428016094 Orig									1.38	7.87													
1428016094 Dup									1.39	7.97													
1429022620 Orig							0.59																
1429022620 Dup							0.60																
GC23-0117-001 Orig									0.48	1.63													
GC23-0117-001									0.48	1.68													

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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																							
1429022140 Orig											0.6	< 0.5	334	1040	< 1	75	2	123	2.70	7	< 10	11	< 0.5
1429022140 Dup											0.6	< 0.5	338	1060	< 1	75	< 2	126	2.75	6	< 10	11	< 0.5
GC23-0133-012 Orig							0.78																
GC23-0133-012 Dup							0.77																
GC23-0134-002 Orig								4740															
GC23-0134-002 Dup								4580															
GC23-0056-008 Orig	None	-8.10		19.4	0.705	27.46																	
GC23-0056-008 Dup	None	-8.54		18.9	0.689	27.46																	
GC23-0171-005 Orig											1.4	1.3	17	994	1	19	19	402	0.49	105	< 10	30	< 0.5
GC23-0171-005 Dup											1.6	1.3	17	1000	2	20	19	401	0.50	104	< 10	30	< 0.5
GC23-0072-002 Orig			8.98																				
GC23-0072-002 Dup			9.02																				
GC23-0042-001 Orig							1.06																
GC23-0042-001 Dup							1.11																
GC23-0083-006 Orig								1310															
GC23-0083-006 Dup								1060															
1315022136 Orig									0.08	1.42													
1315022136 Dup									0.09	1.41													
1428008038 Orig							0.30																
1428008038 Dup							0.30																
GC23-0176-003 Orig								697															
GC23-0176-003 Dup								630															
GC23-0227-002 Orig											< 0.2	< 0.5	15	447	< 1	8	3	76	2.40	8	< 10	89	0.6
GC23-0227-002 Dup											< 0.2	< 0.5	14	450	< 1	9	3	78	2.43	11	< 10	90	0.6
GC23-0098-001 Orig									0.67	3.20													
GC23-0098-001 Dup									0.68	3.08													
1428004056 Orig							3.34	274															
1428004056 Dup							2.89	266															
GC23-0196-006 Orig									0.11	1.13													
GC23-0196-006 Dup									0.11	1.13													
1315098503 Orig							0.81																

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.01	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1315098503 Dup							0.79																
GC23-0380-018 Orig								430															
GC23-0380-018 Dup								452															
1315098281 Orig									0.35	2.09	1.2	1.9	54	706	2	14	27	570	1.28	77	< 10	29	< 0.5
1315098281 Dup									0.34	2.10	1.0	1.8	54	704	< 1	11	26	560	1.30	68	< 10	29	< 0.5
1428014149 Orig	Slight	-3.19		51.8	0.942	55.02																	
1428014149 Dup	Slight	-3.62		51.4	0.934	55.02																	
1428014431 Orig								271															
1428014431 Dup								289															
1428014182 Orig							0.70				4.4	1.5	67	1400	1	17	200	424	0.81	46	< 10	35	< 0.5
1428014182 Dup							0.74				4.5	1.5	67	1380	1	17	198	410	0.81	48	< 10	35	< 0.5
1428014152 Orig									0.40	1.92													
1428014152 Dup									0.41	1.89													
1428011067 Orig							0.20																
1428011067 Dup							0.20																
1428011564 Orig								2940															
1428011564 Dup								2580															
1428021094 Orig									1.79	1.14													
1428021094 Dup									1.79	1.14													
1428017031 Orig											0.8	0.7	80	1390	< 1	31	4	329	2.67	15	< 10	36	< 0.5
1428017031 Dup											0.7	1.2	84	1390	< 1	33	3	338	2.71	13	< 10	37	< 0.5
GC23-0263-015 Orig			9.03						0.74	1.93													
GC23-0263-015 Dup			9.02						0.73	1.96													
1428011900 Orig											< 0.2	< 0.5	28	312	< 1	18	< 2	44	1.33	5	< 10	47	< 0.5
1428011900 Dup											0.2	< 0.5	27	315	< 1	19	2	45	1.32	4	< 10	47	< 0.5
1428029020 Orig								167															
1428029020 Dup								163															
1428029038 Orig									0.49	1.09													
1428029038 Dup									0.49	1.06													
1428029030 Orig							5.53																
1428029030 Dup							5.32																
1428011550 Orig	Slight							480															
1428011550 Dup	Slight							480															
1428029174 Orig							2.90		1.51	4.30													
1428029174 Dup									1.50	4.35													
1428029117 Orig									2.04	1.13													
1428029117 Dup									2.05	1.19													
14300250300 Orig			8.61					183															
14300250300 Dup			8.63					169															
1316038628 Orig	Slight	34.4		72.0	1.92	37.59																	
1316038628 Dup	Slight	35.2		72.7	1.94	37.59																	
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															

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

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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RTS-3a Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
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GS311-4 Meas																							
GS311-4 Cert																							
OREAS 45d (Aqua Regia) Meas	3	0.09	25	456	13.5	20		0.11	10	0.16	0.046	0.035	< 0.01		40	12		< 20			< 10	179	
OREAS 45d (Aqua Regia) Cert	0.30	0.09	26.2	467	13.7	17.9		0.097	10.0	0.144	0.031	0.035	0.045		41.50	11.0		11.3			1.64	201	
OREAS 45d (Aqua Regia) Meas	3	0.09	26	455	13.4	20		0.11	< 10	0.16	0.045	0.034	< 0.01		39	12		< 20			< 10	177	
OREAS 45d (Aqua Regia) Cert	0.30	0.09	26.2	467	13.7	17.9		0.097	10.0	0.144	0.031	0.035	0.045		41.50	11.0		11.3			1.64	201	
SiO2 Meas																							
SiO2 Cert																							
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Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
SiO2 Meas																							
SiO2 Cert																							
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 907 (Aqua Regia) Meas	25	0.27	45	8	8.04	20		0.33	35	0.22	0.112	0.024	< 0.01	5	2	12	0.02	< 20	< 1	< 2	< 10	6	< 10
OREAS 907 (Aqua Regia) Cert	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980
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																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
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GS316-3 Cert																							
OREAS 130 (Aqua Regia) Meas	3	1.62	26	22	6.92	< 10	1	0.49	22	0.86		0.085	6.42	7	3	20	0.03	< 20	1	2	< 10	32	< 10
OREAS 130 (Aqua Regia) Cert	3.05	1.81	27.1	23.2	7.27	4.78	0.670	0.500	26.4	0.892		0.0860	6.02	4.69	3.42	23.2	0.0270	10.3	0.170	5.92	8.36	33.1	1.40
OREAS 130 (Aqua Regia) Meas	5	1.65	27	23	7.11	< 10	1	0.51	22	0.89		0.089	6.56	6	3	20	0.03	< 20	1	2	< 10	34	11
OREAS 130 (Aqua Regia) Cert	3.05	1.81	27.1	23.2	7.27	4.78	0.670	0.500	26.4	0.892		0.0860	6.02	4.69	3.42	23.2	0.0270	10.3	0.170	5.92	8.36	33.1	1.40
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	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
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GS317-5 Meas																							
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GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas	< 2	1.26	13	16	2.59	< 10	2	0.29	24	0.26	0.111	0.032	2.53	63		18		< 20		< 2	< 10	8	40
Oreas 620 (Aqua Regia) Cert	2	1.29	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20		7		0.5	2.2	7	0.79
OREAS L15 Meas																							
OREAS L15 Cert																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
OREAS L14 Meas																							
OREAS L14 Cert																							
OREAS L16 Meas																							
OREAS L16 Cert																							
1429019117 Orig	< 2	3.56	32	170	8.28	10	1	0.33	< 10	2.48	0.214	0.046	2.27	4	8	84	0.12	< 20	2	< 2	< 10	153	< 10
1429019117 Dup	< 2	3.60	32	173	8.21	10	< 1	0.33	< 10	2.47	0.217	0.046	2.27	4	8	85	0.13	< 20	1	< 2	< 10	152	< 10
1429019920 Orig																							
1429019920 Dup																							
1429016047 Orig																							
1429016047 Dup																							
1429019128 Orig																							
1429019128 Dup																							
1429031021 Orig																							
1429031021 Dup																							
1429031004 Orig																							
1429031004 Dup																							
GC23-0083-011 Orig	5	0.52	9	242	3.82	< 10	< 1	0.31	11	0.13	0.033	0.042	4.38	26	< 1	24	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0083-011 Dup	5	0.51	9	240	3.82	< 10	< 1	0.31	11	0.13	0.033	0.041	4.33	27	< 1	24	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1315022104 Orig																							
1315022104 Dup																							
GC23-0107-005 Orig																							
GC23-0107-005 Dup																							
GC23-0144-002 Orig																							
GC23-0144-002 Dup																							
1429030608 Orig																							
1429030608 Dup																							
1429021229 Orig	< 2	3.83	30	82	9.43	20	< 1	0.19	< 10	2.25	0.213	0.087	0.89	7	16	81	0.14	< 20	< 1	< 2	< 10	186	< 10
1429021229 Dup	< 2	3.88	30	81	9.30	10	< 1	0.18	< 10	2.22	0.210	0.085	0.88	7	15	80	0.14	< 20	< 1	< 2	< 10	184	< 10
1429021104 Orig																							
1429021104 Dup																							
1429022016 Orig																							
1429022016 Dup																							
1429021179 Orig																							
1429021179 Dup																							
1429021249 Orig																							
1429021249 Dup																							
GC23-0102-003 Orig	< 2	1.21	6	177	2.49	< 10	< 1	0.40	< 10	0.63	0.028	0.037	1.82	3	< 1	25	< 0.01	< 20	2	< 2	< 10	8	< 10
GC23-0102-003 Dup	< 2	1.22	7	171	2.53	< 10	< 1	0.41	< 10	0.64	0.027	0.037	1.84	3	< 1	26	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1428016061 Orig																							
1428016061 Dup																							
MUG23-1883 Orig																							
MUG23-1883 Dup																							
1428016092 Orig																							
1428016092 Dup																							
1428016033 Orig																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1428016033 Dup																							
1428010200 Orig	< 2	3.59	43	345	7.20	< 10	< 1	0.03	< 10	2.61	0.057	0.033	0.82	5	8	44	0.26	< 20	3	< 2	< 10	122	< 10
1428010200 Dup	< 2	3.50	42	344	7.13	< 10	< 1	0.03	< 10	2.57	0.056	0.033	0.82	4	8	43	0.25	< 20	3	< 2	< 10	121	< 10
1428013153 Orig																							
1428013153 Dup																							
1428016166 Orig																							
1428016166 Dup																							
1315026076 Orig																							
1315026076 Dup																							
1428016568 Orig	< 2	2.88	13	480	4.33	< 10	< 1	0.31	13	1.42	0.045	0.055	2.59	5	2	69	0.02	< 20	3	< 2	< 10	24	< 10
1428016568 Dup	< 2	2.87	13	477	4.31	< 10	< 1	0.31	12	1.43	0.042	0.055	2.54	5	2	68	0.03	< 20	2	< 2	< 10	24	< 10
1428013018 Orig																							
1428013018 Dup																							
1428013232 Orig																							
1428013232 Dup																							
1428013028 Orig																							
1428013028 Dup																							
1428021007 Orig																							
1428021007 Dup																							
GC23-0216-002 Orig	< 2	0.24	30	182	2.21	< 10	< 1	0.35	18	0.16	0.029	0.052	2.35	8	< 1	16	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0216-002 Dup	< 2	0.24	32	179	2.33	< 10	< 1	0.34	18	0.16	0.030	0.051	2.53	9	< 1	15	< 0.01	< 20	1	< 2	< 10	5	< 10
1428004169 Orig																							
1428004169 Dup																							
1428004131 Orig																							
1428004131 Dup																							
1428004136 Orig	3	3.81	30	148	8.13	10	1	0.08	< 10	2.41	0.052	0.047	3.40	4	12	36	< 0.01	< 20	< 1	< 2	< 10	153	< 10
1428004136 Dup	3	3.90	30	148	8.16	10	< 1	0.09	< 10	2.43	0.053	0.047	3.32	3	12	37	< 0.01	< 20	< 1	< 2	< 10	154	< 10
1428016094 Orig																							
1428016094 Dup																							
1429022620 Orig																							
1429022620 Dup																							
GC23-0117-001 Orig																							
GC23-0117-001 Dup																							
1429022140 Orig	< 2	4.16	36	133	9.06	10	< 1	0.02	< 10	2.45	0.079	0.042	0.31	4	19	26	0.19	< 20	< 1	< 2	< 10	465	< 10
1429022140 Dup	< 2	4.26	37	134	9.22	10	< 1	0.02	< 10	2.50	0.082	0.044	0.31	5	20	27	0.21	< 20	2	< 2	< 10	475	< 10
GC23-0133-012 Orig																							
GC23-0133-012 Dup																							
GC23-0134-002 Orig																							
GC23-0134-002 Dup																							
GC23-0056-008 Orig																							
GC23-0056-008 Dup																							
GC23-0171-005 Orig	< 2	2.61	11	148	1.38	< 10	< 1	0.22	13	0.26	0.023	0.042	1.23	5	< 1	27	< 0.01	< 20	< 1	< 2	< 10	3	< 10
GC23-0171-005	< 2	2.64	12	155	1.40	< 10	< 1	0.22	12	0.26	0.024	0.043	1.25	5	< 1	27	< 0.01	< 20	< 1	< 2	< 10	3	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
Dup																							
GC23-0072-002 Orig																							
GC23-0072-002 Dup																							
GC23-0042-001 Orig																							
GC23-0042-001 Dup																							
GC23-0083-006 Orig																							
GC23-0083-006 Dup																							
1315022136 Orig																							
1315022136 Dup																							
1428008038 Orig																							
1428008038 Dup																							
GC23-0176-003 Orig																							
GC23-0176-003 Dup																							
GC23-0227-002 Orig	< 2	2.11	4	59	1.64	< 10	< 1	0.22	< 10	0.59	0.087	0.030	< 0.01	< 2	< 1	124	< 0.01	< 20	1	< 2	< 10	7	< 10
GC23-0227-002 Dup	< 2	2.12	4	61	1.66	< 10	< 1	0.22	< 10	0.60	0.089	0.029	0.01	< 2	< 1	126	< 0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-0098-001 Orig																							
GC23-0098-001 Dup																							
1428004056 Orig																							
1428004056 Dup																							
GC23-0196-006 Orig																							
GC23-0196-006 Dup																							
1315098503 Orig																							
1315098503 Dup																							
GC23-0380-018 Orig																							
GC23-0380-018 Dup																							
1315098281 Orig	3	0.98	7	94	3.27	< 10	< 1	0.30	14	0.72	0.023	0.038	2.06	3	< 1	16	0.03	< 20	2	< 2	< 10	7	< 10
1315098281 Dup	< 2	0.99	7	96	3.24	< 10	< 1	0.31	14	0.72	0.022	0.039	2.05	3	< 1	16	0.03	< 20	< 1	< 2	< 10	7	< 10
1428014149 Orig																							
1428014149 Dup																							
1428014431 Orig																							
1428014431 Dup																							
1428014182 Orig	< 2	1.66	7	198	2.20	< 10	< 1	0.22	< 10	0.83	0.041	0.043	2.17	8	< 1	25	< 0.01	< 20	1	< 2	< 10	4	< 10
1428014182 Dup	< 2	1.64	7	201	2.18	< 10	< 1	0.22	< 10	0.83	0.040	0.043	2.17	8	< 1	25	< 0.01	< 20	3	< 2	< 10	4	< 10
1428014152 Orig																							
1428014152 Dup																							
1428011067 Orig																							
1428011067 Dup																							
1428011564 Orig																							
1428011564 Dup																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1428021094 Orig																							
1428021094 Dup																							
1428017031 Orig	2	3.46	28	218	9.68	10	< 1	0.12	< 10	2.07	0.046	0.106	2.57	5	11	68	0.15	< 20	< 1	< 2	< 10	119	< 10
1428017031 Dup	< 2	3.50	29	221	9.84	10	< 1	0.13	< 10	2.11	0.047	0.107	2.60	5	11	69	0.14	< 20	3	< 2	< 10	121	< 10
GC23-0263-015 Orig																							
GC23-0263-015 Dup																							
1428011900 Orig	< 2	2.13	8	172	2.17	< 10	< 1	0.11	16	0.80	0.073	0.045	0.48	2	1	55	< 0.01	< 20	< 1	< 2	< 10	14	< 10
1428011900 Dup	< 2	2.15	8	173	2.20	< 10	< 1	0.11	16	0.81	0.073	0.045	0.50	2	1	55	< 0.01	< 20	1	< 2	< 10	14	< 10
1428029020 Orig																							
1428029020 Dup																							
1428029038 Orig																							
1428029038 Dup																							
1428029030 Orig																							
1428029030 Dup																							
1428011550 Orig																							
1428011550 Dup																							
1428029174 Orig																							
1428029174 Dup																							
1428029117 Orig																							
1428029117 Dup																							
14300250300 Orig																							
14300250300 Dup																							
1316038628 Orig																							
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Method Blank	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10
Method Blank	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10
Method Blank	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
Method Blank	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
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			
RTS-3a Meas			
RTS-3a Cert			
RTS-3a Meas			
RTS-3a Cert			
RTS-3a Meas			
RTS-3a Cert			
RTS-3a Meas			
RTS-3a Cert			
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RTS-3a Cert			
RTS-3a Meas			
RTS-3a Cert			
GS311-4 Meas			
GS311-4 Cert			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
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			
OREAS 45d (Aqua Regia) Meas	4		
OREAS 45d (Aqua Regia) Cert	5.08		
OREAS 45d (Aqua Regia) Meas	4		
OREAS 45d (Aqua Regia) Cert	5.08		
SiO2 Meas			
SiO2 Cert			
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Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
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			
NBM-1 (slight fzz) Meas			
NBM-1 (slight fzz) Cert			
OREAS 907 (Aqua Regia) Meas	7	43	
OREAS 907 (Aqua Regia) Cert	6.52	43.7	
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			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
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			
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 130 (Aqua Regia) Meas	11	29	
OREAS 130 (Aqua Regia) Cert	13.0	19.0	
OREAS 130 (Aqua Regia) Meas	11	31	
OREAS 130 (Aqua Regia) Cert	13.0	19.0	
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	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	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			
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			
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			
GS317-5 Meas			
GS317-5 Cert			
Oreas 620 (Aqua Regia) Meas	7	76	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
Oreas 620 (Aqua Regia) Cert	7	57	
OREAS L15 Meas			7.14
OREAS L15 Cert			7.18
OREAS L14 Meas			
OREAS L14 Cert			
OREAS L16 Meas			12.5
OREAS L16 Cert			12.97
1429019117 Orig	7	6	
1429019117 Dup	7	6	
1429019920 Orig			
1429019920 Dup			
1429016047 Orig			
1429016047 Dup			
1429019128 Orig			
1429019128 Dup			
1429031021 Orig			
1429031021 Dup			
1429031004 Orig			
1429031004 Dup			
GC23-0083-011 Orig	2	21	
GC23-0083-011 Dup	2	21	
1315022104 Orig			
1315022104 Dup			
GC23-0107-005 Orig			
GC23-0107-005 Dup			
GC23-0144-002 Orig			
GC23-0144-002 Dup			
1429030608 Orig			
1429030608 Dup			
1429021229 Orig	10	7	
1429021229 Dup	10	7	
1429021104 Orig			
1429021104 Dup			
1429022016 Orig			
1429022016 Dup			
1429021179 Orig			
1429021179 Dup			
1429021249 Orig			
1429021249 Dup			
GC23-0102-003 Orig	2	17	
GC23-0102-003 Dup	2	17	
1428016061 Orig			
1428016061 Dup			
MUG23-1883 Orig			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
MUG23-1883 Dup			
1428016092 Orig			
1428016092 Dup			
1428016033 Orig			
1428016033 Dup			
1428010200 Orig	7	5	
1428010200 Dup	7	5	
1428013153 Orig			
1428013153 Dup			
1428016166 Orig			
1428016166 Dup			
1315026076 Orig			
1315026076 Dup			
1428016568 Orig	4	15	
1428016568 Dup	4	15	
1428013018 Orig			
1428013018 Dup			
1428013232 Orig			
1428013232 Dup			
1428013028 Orig			
1428013028 Dup			
1428021007 Orig			
1428021007 Dup			
GC23-0216-002 Orig	1	29	
GC23-0216-002 Dup	1	30	
1428004169 Orig			
1428004169 Dup			
1428004131 Orig			
1428004131 Dup			
1428004136 Orig	6	5	
1428004136 Dup	7	5	
1428016094 Orig			
1428016094 Dup			
1429022620 Orig			
1429022620 Dup			
GC23-0117-001 Orig			
GC23-0117-001 Dup			
1429022140 Orig	8	4	
1429022140 Dup	9	4	
GC23-0133-012 Orig			
GC23-0133-012 Dup			
GC23-0134-002 Orig			
GC23-0134-002 Dup			
GC23-0056-008			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
Orig			
GC23-0056-008 Dup			
GC23-0171-005 Orig	2	18	
GC23-0171-005 Dup	2	16	
GC23-0072-002 Orig			
GC23-0072-002 Dup			
GC23-0042-001 Orig			
GC23-0042-001 Dup			
GC23-0083-006 Orig			
GC23-0083-006 Dup			
1315022136 Orig			
1315022136 Dup			
1428008038 Orig			
1428008038 Dup			
GC23-0176-003 Orig			
GC23-0176-003 Dup			
GC23-0227-002 Orig	1	7	
GC23-0227-002 Dup	1	7	
GC23-0098-001 Orig			
GC23-0098-001 Dup			
1428004056 Orig			
1428004056 Dup			
GC23-0196-006 Orig			
GC23-0196-006 Dup			
1315098503 Orig			
1315098503 Dup			
GC23-0380-018 Orig			
GC23-0380-018 Dup			
1315098281 Orig	2	20	
1315098281 Dup	2	20	
1428014149 Orig			
1428014149 Dup			
1428014431 Orig			
1428014431 Dup			
1428014182 Orig	1	13	
1428014182 Dup	1	13	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1428014152 Orig			
1428014152 Dup			
1428011067 Orig			
1428011067 Dup			
1428011564 Orig			
1428011564 Dup			
1428021094 Orig			
1428021094 Dup			
1428017031 Orig	12	13	
1428017031 Dup	12	13	
GC23-0263-015 Orig			
GC23-0263-015 Dup			
1428011900 Orig	3	10	
1428011900 Dup	3	10	
1428029020 Orig			
1428029020 Dup			
1428029038 Orig			
1428029038 Dup			
1428029030 Orig			
1428029030 Dup			
1428011550 Orig			
1428011550 Dup			
1428029174 Orig			
1428029174 Dup			
1428029117 Orig			
1428029117 Dup			
14300250300 Orig			
14300250300 Dup			
1316038628 Orig			
1316038628 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			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
Method Blank			< 0.02
Method Blank			< 0.02
Method Blank			
Method Blank			
Method Blank	< 1	< 1	
Method Blank	< 1	< 1	
Method Blank	< 1	< 1	
Method Blank	< 1	< 1	

Quality Analysis ... *Innovative Technologies*

Report No.: **A23-08043**
Report Date: **21-Jul-23**
Date Submitted: **13-Jun-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

232 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-06-27 20:48:20
4F-C, S	Infrared	2023-07-07 21:14:44

REPORT **A23-08043**

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 1429012080, 1429018360, and 1429018103.

Refer to the Scope of Accreditation for information on accredited elements.

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.: **A23-08043**
Report Date: **21-Jul-23**
Date Submitted: **13-Jun-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

232 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)	2023-06-22 12:51:55
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	

REPORT **A23-08043**

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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 1429012080, 1429018360, and 1429018103.

Refer to the Scope of Accreditation for information on accredited elements.

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	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1430037347	Slight	63.5	8.83	98.1	2.84	34.57	1.57	118	2.26	1.63	0.7	< 0.5	171	1520	< 1	28	6	138	3.32	28	< 10	32	< 0.5
1429013032	Slight	29.0	9.24	54.7	2.13	25.71	0.49	83	1.07	0.99	1.3	0.7	17	1080	< 1	11	9	265	1.33	69	< 10	35	< 0.5
1429013040	Slight	14.1	9.58	44.7	1.46	30.64	0.41	36	0.69	1.12	0.3	< 0.5	46	252	< 1	16	< 2	21	1.27	3	< 10	43	< 0.5
1429013201	Slight	12.3	9.66	28.9	1.74	16.63	0.30	40	0.44	0.63	0.7	< 0.5	18	683	< 1	17	5	71	1.54	52	< 10	25	< 0.5
1429013033	Slight	22.3	9.25	60.2	1.59	37.91	0.48	48	0.92	1.37	1.8	< 0.5	14	988	< 1	13	10	159	1.40	47	< 10	39	< 0.5
1314013005	Slight	-35.7	8.96	22.7	0.389	58.34	0.68	927	0.28	2.09	1.0	6.1	50	892	< 1	15	43	1530	1.82	52	< 10	39	< 0.5
1429013026	Slight	31.8	9.03	65.8	1.94	34.01	0.53	70	1.41	1.27	1.3	< 0.5	14	829	< 1	14	10	112	0.80	90	< 10	31	< 0.5
1430037757	Slight	99.3	9.19	99.4	636	< 0.31	0.27	10	1.45	0.09	< 0.2	< 0.5	88	841	< 1	52	< 2	102	3.35	6	< 10	< 10	< 0.5
1429023027	Slight	-8.54	9.05	53.2	0.862	61.77	0.51	> 5000	0.77	2.15	5.6	< 0.5	64	854	1	12	50	144	0.94	50	< 10	28	< 0.5
1430037764	Slight	146	9.04	147	96.6	1.52	0.58	14	1.93	0.25	0.5	< 0.5	290	748	< 1	65	4	134	3.52	11	< 10	25	< 0.5
1316041043	Slight	-25.6	9.13	18.2	0.415	43.86	0.60	481	0.23	1.61	0.7	4.0	51	720	< 1	26	12	891	1.68	82	< 10	45	< 0.5
1430037394	Slight	51.7	9.02	63.7	5.31	12.00	0.50	58	0.85	0.55	0.6	< 0.5	163	762	1	45	6	163	2.54	10	< 10	42	< 0.5
1430037765	Slight	107	9.00	109	46.2	2.36	0.55	12	1.48	0.26	0.5	< 0.5	338	670	< 1	56	< 2	109	2.58	12	< 10	< 10	< 0.5
1429013123	Slight	37.6	8.98	78.4	1.92	40.77	0.81	158	1.20	1.57	0.9	0.9	140	740	< 1	31	4	251	1.71	184	< 10	31	< 0.5
1316041077	Slight	-22.3	9.64	32.1	0.591	54.39	0.57	317	0.43	1.93	1.2	2.8	71	716	< 1	14	20	601	0.94	136	< 10	26	< 0.5
1429013125	Slight	53.3	8.92	65.9	5.24	12.58	0.39	132	0.90	0.53	0.6	< 0.5	73	397	< 1	18	7	33	1.32	21	< 10	26	< 0.5
F014355								> 5000															
1429012018	Slight	71.5	9.30	157	1.84	85.55	3.45	103	2.25	3.89	0.5	< 0.5	93	1320	< 1	83	7	90	2.09	13	< 10	38	< 0.5
1429027159	Slight	-10.8	9.34	25.1	0.700	35.90	0.40	30	0.53	1.28	< 0.2	< 0.5	18	532	1	16	3	77	1.60	11	< 10	40	< 0.5
GC23-8006-001	Slight	-18.4	9.37	16.7	0.476	35.06	0.45	109	0.22	1.27	1.1	< 0.5	17	730	< 1	14	11	92	0.90	43	< 10	35	< 0.5
1429012257	Slight	35.7	9.41	65.4	2.20	29.67	0.45	46	1.27	1.10	0.4	< 0.5	8	718	< 1	14	2	58	0.95	36	< 10	40	< 0.5
GC23-9002-038	Slight	-5.43	9.50	49.0	0.900	54.42	0.64	603	0.66	1.94	3.2	< 0.5	63	732	2	15	23	112	1.92	62	< 10	48	< 0.5
GC23-9003-002	Slight	10.4	9.02	34.3	1.44	23.86	0.47	124	0.39	0.92	0.3	< 0.5	104	442	< 1	22	4	58	2.45	6	< 10	75	< 0.5
1316042033	Slight	-19.3	9.04	34.2	0.639	53.56	0.65	1080	0.57	1.93	0.7	4.0	52	828	< 1	19	72	836	2.56	22	< 10	44	< 0.5
1429013303	Slight	-37.4	9.24	23.1	0.382	60.46	0.59	233	0.31	2.13	2.2	< 0.5	63	258	2	13	10	90	1.53	41	< 10	42	< 0.5
1429013248	Slight	-45.8	9.34	12.3	0.212	58.05	0.50	146	0.14	2.02	1.4	< 0.5	31	422	1	15	17	124	1.68	26	< 10	51	< 0.5
1429012185	Slight	9.98	8.97	81.0	1.14	70.99	1.00	72	1.13	2.61	0.5	< 0.5	26	1100	< 1	48	< 2	77	2.55	12	< 10	29	< 0.5
1429012312	Slight	65.8	8.83	101	2.87	35.19	0.98	43	1.33	1.45	0.7	< 0.5	235	1410	< 1	66	< 2	127	2.97	11	< 10	14	< 0.5
1429014002	Slight	23.0	9.42	55.5	1.71	32.48	0.39	28	0.79	1.17	0.3	< 0.5	80	319	6	17	< 2	29	1.32	6	< 10	32	< 0.5
1429027133	None	-2.32	9.14	5.04	0.685	7.36	0.12	17	0.09	0.27	< 0.2	< 0.5	28	223	< 1	17	< 2	60	1.57	12	< 10	19	< 0.5
1316042059	Slight	-29.3	8.97	16.8	0.365	46.07	0.67	385	0.17	1.70	1.2	10.6	127	714	< 1	17	66	2120	1.99	62	< 10	40	< 0.5
1429014004	Slight	17.3	9.44	53.1	1.48	35.84	0.39	40	0.76	1.30	0.2	< 0.5	61	370	3	14	3	33	1.16	5	< 10	34	< 0.5
GC238003001	Slight	-10.4	8.43	11.5	0.525	21.85	0.23	76	0.15	0.78	0.9	< 0.5	59	289	2	26	7	92	1.22	145	< 10	27	< 0.5
1316042011	Slight	-22.7	9.07	35.9	0.612	58.63	0.63	90	0.47	2.09	0.7	2.3	59	819	1	19	28	541	2.06	26	< 10	47	< 0.5
1429027075	None	3.05	8.81	8.24	1.59	5.19	0.29	27	0.14	0.26	< 0.2	< 0.5	130	1070	3	69	< 2	70	3.88	11	< 10	< 10	< 0.5
1429027007	Slight	32.1	9.42	74.4	1.76	42.39	0.65	68	1.05	1.57	0.3	< 0.5	28	310	1	25	3	42	1.46	12	< 10	35	< 0.5
1429012307	Slight	17.5	8.59	110	1.19	92.82	1.62	244	1.46	3.51	1.6	< 0.5	200	863	< 1	30	2	82	1.94	27	< 10	47	< 0.5
GC238004001	Slight	-57.7	8.91	12.4	0.177	70.19	0.73	364	0.59	2.49	3.5	< 0.5	26	752	< 1	18	29	97	1.34	63	< 10	51	< 0.5
GC238008002	Slight	-38.3	8.90	15.5	0.288	53.85	0.55	121	0.22	1.91	3.3	2.8	62	414	2	16	41	842	0.99	55	< 10	46	< 0.5
F014345								1830															
GC23-8013-037	Slight	-13.1	9.35	14.9	0.532	27.97	0.32	787	0.21	1.00	2.1	2.0	99	448	< 1	16	6	595	1.33	37	< 10	54	< 0.5
GC23-9005-018	Slight	48.9	9.68	79.1	2.62	30.22	0.50	293	1.19	1.13	1.1	< 0.5	29	1190	< 1	9	24	154	1.66	270	< 10	43	< 0.5
1429018533	Slight	-5.84	8.68	106	0.948	111.39	4.01	256	1.81	4.96	1.1	< 0.5	78	1610	< 1	64	3	174	3.04	21	< 10	29	< 0.5
1429018017	Slight	-34.1	8.48	85.4	0.714	119.49	1.75	252	1.68	4.34	3.8	5.6	266	2360	< 1	56	< 2	1540	2.58	43	< 10	27	< 0.5
1429027002	Slight	16.5	9.42	76.5	1.27	60.03	0.68	484	1.14	2.15	15.4	< 0.5	75	1110	2	12	54	192	0.70	137	< 10	33	< 0.5
GC23-9007-001	Slight	-7.70	8.95	23.6	0.754	31.35	0.72	62	0.22	1.24	0.3	< 0.5	172	631	5	77	< 2	121	3.76	7	< 10	18	< 0.5
GC23-9007-018	Slight	3.09	9.30	34.4	1.10	31.35	0.42	22	0.38	1.14	0.2	< 0.5	31	804	2	12	3	158	1.62	31	< 10	61	< 0.5
1429018471	Slight	-16.2	8.65	104	0.865	120.25	5.22	438	1.93	5.59	2.3	< 0.5	88	1850	< 1	60	6	181	3.11	53	< 10	43	< 0.5
GC23-9012-021	Slight	13.4	9.50	50.1	1.37	36.69	0.43	62	0.66	1.32	0.3	< 0.5	98	272	7	27	< 2	31	1.28	2	< 10	41	< 0.5

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1429017001	Slight	-22.5	9.39	29.4	0.567	51.94	0.59	148	1.06	1.86	1.0	1.1	42	666	2	16	29	276	1.36	63	< 10	30	< 0.5
GC23-8012-011	Slight	-18.0	9.39	30.8	0.632	48.81	0.57	408	0.53	1.75	3.0	< 0.5	25	703	< 1	13	61	155	1.73	57	< 10	51	< 0.5
GC23-8011-042	Slight	-1.63	9.35	43.9	0.964	45.50	0.63	81	1.25	1.67	0.5	< 0.5	26	1130	< 1	18	26	144	1.61	33	< 10	50	< 0.5
GC23-9005-001	Slight	-49.3	8.58	14.9	0.232	64.15	0.57	254	0.25	2.24	0.8	< 0.5	46	277	< 1	15	13	60	1.45	23	< 10	51	< 0.5
GC23-8012-029	Slight	-8.33	9.15	50.6	0.859	58.96	0.72	234	0.95	2.14	0.8	1.7	27	1190	< 1	14	45	452	1.31	19	< 10	61	< 0.5
GC23-9002-049	Slight	-3.49	9.12	58.2	0.943	61.69	0.51	130	0.91	2.14	1.3	< 0.5	43	864	2	15	32	88	1.01	29	< 10	31	< 0.5
1429017824	Slight	14.7	9.54	55.0	1.37	40.25	0.67	80	0.85	1.51	1.7	0.8	48	1470	1	12	69	206	1.85	54	< 10	52	< 0.5
GC23-8001-043	Slight	-63.8	8.86	6.14	0.0877	69.96	0.49	443	0.04	2.40	0.7	2.4	24	105	1	15	19	636	0.82	44	< 10	49	< 0.5
F014348								334															
1429017049	Slight	-26.9	9.33	18.2	0.403	45.02	0.42	246	0.38	1.58	1.0	< 0.5	43	653	< 1	14	26	182	1.51	29	< 10	34	< 0.5
1429017450	Slight	7.82	9.40	36.0	1.28	28.22	0.50	77	0.56	1.07	0.4	< 0.5	53	748	2	13	12	110	1.52	32	< 10	52	< 0.5
GC23-9008-032	Slight	2.74	9.34	60.0	1.05	57.24	0.47	487	0.94	1.99	2.8	< 0.5	22	945	< 1	13	27	129	0.73	58	< 10	28	< 0.5
GC23-0002-011	Slight	-22.4	9.44	26.7	0.544	49.05	0.91	538	0.33	1.87	0.7	13.0	45	1150	< 1	8	46	3020	1.46	64	< 10	69	< 0.5
1429017808	Slight	10.1	9.37	66.2	1.18	56.12	0.79	266	1.09	2.06	2.2	1.5	60	1290	< 1	13	105	427	1.17	44	< 10	48	< 0.5
1429017909	Slight	-3.52	9.24	61.2	0.946	64.69	0.72	289	0.95	2.31	2.4	2.2	109	1120	< 1	15	199	552	1.10	46	< 10	40	< 0.5
GC23-0003-002	Slight	-34.8	9.50	5.37	0.134	40.14	0.95	711	0.07	1.60	1.7	20.9	98	712	< 1	10	22	4790	1.45	59	< 10	66	< 0.5
1429017660	Slight	-30.8	8.68	3.91	0.113	34.66	0.50	64	0.11	1.27	1.0	1.8	75	1030	1	13	76	605	2.16	17	< 10	56	< 0.5
1429017842	None	-28.4	8.88	11.6	0.291	40.01	0.44	88	0.18	1.43	0.4	0.6	45	763	< 1	9	17	256	2.00	16	< 10	58	< 0.5
1429017687	Slight	-32.9	8.74	4.65	0.124	37.59	0.38	114	0.08	1.33	1.1	1.0	34	1010	1	9	66	285	1.35	23	< 10	38	< 0.5
1429018054	Slight	14.6	9.07	63.6	1.30	49.00	0.90	78	1.67	1.87	0.9	1.6	86	1220	< 1	48	< 2	484	1.97	15	< 10	63	< 0.5
1429018086	Slight	2.23	8.84	74.5	1.03	72.25	1.33	193	1.62	2.76	1.5	3.4	185	1570	1	62	< 2	1120	2.19	28	< 10	49	< 0.5
1429027214	Slight	16.2	9.34	58.1	1.39	41.91	0.66	216	1.34	1.56	1.0	0.7	34	940	2	12	34	199	1.09	48	< 10	41	< 0.5
1429018165	Slight	-53.1	8.44	69.0	0.565	122.03	4.55	133	1.78	5.43	2.1	6.8	90	2260	< 1	56	< 2	2340	3.05	33	< 10	33	< 0.5
1429017682	Slight	4.75	9.21	43.7	1.12	38.94	0.45	84	0.68	1.40	0.6	0.7	27	1080	1	10	32	232	1.28	21	< 10	40	< 0.5
GC23-0017-002	Slight	2.62	9.09	33.5	1.08	30.87	0.45	589	0.43	1.14	0.6	< 0.5	21	769	< 1	11	35	141	0.95	61	< 10	28	< 0.5
GC23-0005-004	Slight	0.152	9.36	38.2	1.00	38.04	0.60	175	0.63	1.42	0.3	0.6	16	1320	< 1	10	38	170	1.04	49	< 10	47	< 0.5
1316042058	None	-37.1	8.66	16.9	0.314	54.01	0.88	1040	0.30	2.01	1.3	13.1	152	712	< 1	21	38	2720	1.78	49	< 10	40	< 0.5
F015346								1050															
GC23-0012-009	None	-43.9	9.26	8.34	0.160	52.24	1.06	509	0.05	2.03	1.6	18.0	116	545	< 1	9	36	4620	1.95	48	< 10	40	< 0.5
1429018600	Slight	7.43	8.75	71.9	1.12	64.48	1.19	193	1.43	2.46	1.0	< 0.5	88	1350	2	71	< 2	150	2.74	16	< 10	58	< 0.5
1429018574	Slight	9.90	8.92	58.8	1.20	48.90	0.91	233	0.95	1.87	1.0	0.6	41	830	2	17	2	197	2.12	21	< 10	75	< 0.5
1429018615	Slight	5.74	8.71	94.8	1.06	89.05	4.08	330	1.95	4.21	1.2	< 0.5	42	1640	< 1	44	< 2	160	3.12	16	< 10	39	< 0.5
GC23-0016-008	None	-12.7	9.31	17.5	0.580	30.24	0.39	86	0.17	1.10	0.3	< 0.5	19	653	< 1	11	36	152	2.41	28	< 10	51	< 0.5
GC23-0014-013	None	-5.30	9.56	18.6	0.778	23.88	0.33	106	0.14	0.88	0.5	< 0.5	14	742	< 1	11	35	129	2.32	27	< 10	53	< 0.5
GC23-9007-057	None	-24.3	9.26	20.0	0.451	44.28	0.67	375	0.81	1.64	2.1	1.0	50	1340	1	12	76	289	1.56	59	< 10	54	< 0.5
1429017127	None	-31.6	9.25	24.3	0.435	55.90	0.57	230	0.90	1.98	1.4	1.4	40	1220	< 1	9	124	436	1.13	69	< 10	28	< 0.5
GC23-0026-003	Slight	17.6	9.30	50.9	1.53	33.29	0.48	161	0.61	1.22	0.3	< 0.5	16	808	< 1	6	23	108	1.53	59	< 10	52	< 0.5
142800113	Slight	-5.60	8.41	73.7	0.929	79.28	3.63	334	1.70	3.75	1.3	< 0.5	131	1530	2	105	< 2	194	3.78	17	< 10	39	< 0.5
1429018155	Slight	34.1	8.66	93.9	1.57	59.79	1.06	64	1.57	2.24	0.6	1.1	58	1760	< 1	30	< 2	286	2.32	18	< 10	37	< 0.5
1429018310	Slight	-48.5	8.68	70.0	0.591	118.49	5.43	255	2.19	5.59	2.4	8.8	184	2470	< 1	64	< 2	2220	2.21	97	< 10	38	< 0.5
1429017117	None	-40.8	9.23	24.3	0.373	65.19	0.69	206	1.01	2.32	1.2	1.3	51	1090	1	12	82	422	0.93	60	< 10	34	< 0.5
1429018552	Slight	-24.9	8.97	24.0	0.492	48.90	0.69	289	0.69	1.80	1.5	1.4	32	615	3	41	< 2	401	1.72	80	< 10	59	< 0.5
1429017113	Slight	2.87	9.15	46.3	1.07	43.40	0.71	275	1.27	1.63	1.5	0.5	36	867	< 1	12	38	174	1.80	54	< 10	48	< 0.5
GC23-0022-002	Slight	-21.2	9.25	25.8	0.549	47.01	0.57	2720	0.53	1.69	10.8	1.3	51	871	< 1	10	129	373	1.31	93	< 10	46	< 0.5
1315019108	Slight	-33.4	9.24	10.4	0.237	43.78	0.51	196	0.27	1.57	0.3	< 0.5	23	625	1	14	29	97	2.93	47	< 10	66	< 0.5
1429017522	None	-23.4	8.97	8.53	0.267	31.94	0.37	82	0.11	1.14	0.9	1.3	49	1030	< 1	12	159	393	1.75	33	< 10	30	< 0.5
1315019029	None	-13.9	9.34	13.6	0.494	27.47	0.35	95	0.11	1.00	0.3	< 0.5	21	578	< 1	11	14	111	3.05	22	< 10	44	< 0.5
1429018602	Slight	19.3	8.84	68.8	1.39	49.45	0.79	157	1.18	1.85	0.8	0.9	20	773	1	18	< 2	239	1.53	27	< 10	74	< 0.5
1429017138	None	-22.2	9.17	36.8	0.623	59.04	0.64	266	0.80	2.09	1.6	1.7	42	1230	< 1	10	168	545	1.19	62	< 10	31	< 0.5

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1429017644	Slight	-13.5	8.99	38.7	0.741	52.22	0.73	163	0.58	1.91	1.4	4.9	75	781	< 1	27	23	1080	1.54	11	< 10	49	< 0.5
F015349								1880															
1429017174	None	-22.8	9.04	12.0	0.344	34.78	0.47	164	0.30	1.27	0.6	< 0.5	52	1420	3	13	46	245	1.57	30	< 10	45	< 0.5
1429017176	None	-39.8	8.47	1.99	0.0475	41.81	0.40	261	0.04	1.47	0.9	< 0.5	41	113	2	13	40	157	1.81	34	< 10	45	< 0.5
1429028273	Slight	15.4	9.31	49.0	1.46	33.63	0.43	44	0.66	1.22	0.2	< 0.5	75	274	< 1	17	< 2	19	1.22	3	< 10	42	< 0.5
1429028357	Slight	14.1	9.39	43.7	1.48	29.59	0.52	103	0.66	1.12	0.4	< 0.5	111	276	< 1	21	2	38	1.52	8	< 10	29	< 0.5
GC23-0070-013	Slight	-24.5	9.30	19.8	0.446	44.27	1.09	1810	0.20	1.78	1.0	18.5	109	886	< 1	10	24	4530	1.83	59	< 10	45	< 0.5
GC23-0033-010	Slight	-7.92	9.30	25.8	0.765	33.74	0.52	682	0.28	1.25	0.9	1.5	38	815	< 1	9	45	401	2.19	25	< 10	51	< 0.5
1429033085	None	-11.2	9.25	42.7	0.792	53.86	0.74	301	1.07	1.97	6.1	< 0.5	25	2020	< 1	18	77	182	0.84	247	< 10	41	< 0.5
1429033122	Slight	-7.96	9.17	57.3	0.878	65.22	0.65	352	0.90	2.31	3.1	< 0.5	36	739	< 1	14	62	158	0.85	87	< 10	31	< 0.5
1429033101	Slight	97.6	9.08	106	12.9	8.20	0.50	67	1.56	0.43	0.2	< 0.5	189	748	7	50	< 2	38	2.28	4	< 10	12	< 0.5
1429033155	None	-51.6	9.00	14.4	0.218	65.99	0.61	330	0.27	2.30	0.7	0.8	22	740	< 1	8	90	239	1.08	45	< 10	47	< 0.5
GC23-0054-014	None	-48.7	8.69	24.4	0.334	73.10	1.68	442	0.40	2.90	1.5	31.5	152	1040	< 1	11	83	7460	1.17	85	< 10	21	< 0.5
GC23-0062-002	Slight	-21.4	9.09	19.8	0.480	41.18	0.92	224	0.18	1.62	0.7	14.6	46	774	< 1	12	24	3420	1.67	49	< 10	45	< 0.5
1315020110	Slight	-20.5	8.90	23.8	0.537	44.30	0.57	1360	0.25	1.61	1.1	4.8	55	826	< 1	11	45	1190	1.88	41	< 10	33	< 0.5
GC23-0059-018	Slight	-6.20	8.93	48.5	0.887	54.67	1.58	684	0.74	2.28	1.1	29.0	107	1300	< 1	12	76	6970	0.96	70	< 10	48	< 0.5
1315020091	Slight	-42.6	8.49	27.7	0.394	70.25	1.01	744	0.32	2.59	1.7	9.9	54	755	< 1	14	79	2840	1.32	76	< 10	52	< 0.5
1429028358	Slight	8.22	9.53	27.4	1.43	19.16	0.37	38	0.41	0.74	0.2	< 0.5	82	264	3	23	< 2	41	1.56	5	< 10	28	< 0.5
1315020026	Slight	-23.1	8.81	26.4	0.533	49.46	0.78	920	0.33	1.84	0.9	4.2	45	743	< 1	39	35	1180	2.33	43	< 10	59	< 0.5
1315020052	Slight	-33.7	8.66	29.4	0.466	63.15	0.84	614	0.37	2.30	1.5	5.8	43	796	< 1	17	27	1680	1.55	74	< 10	51	< 0.5
1429033178	Slight	-0.812	9.24	49.3	0.984	50.07	0.53	325	0.85	1.78	3.8	0.8	31	944	< 1	15	93	240	1.06	142	< 10	46	< 0.5
1429033057	None	-28.0	9.18	20.4	0.421	48.34	0.57	208	0.47	1.74	0.8	0.6	47	983	2	6	40	239	1.40	50	< 10	50	< 0.5
1429033200	Slight	23.1	8.97	67.4	1.52	44.29	0.73	150	1.28	1.66	0.5	< 0.5	25	1080	1	21	17	175	1.63	26	< 10	57	< 0.5
1429033056	None	-34.4	9.19	19.0	0.355	53.39	0.58	565	0.33	1.90	0.9	1.3	58	927	7	6	68	420	1.38	77	< 10	55	< 0.5
F015348								349															
1429016180	Slight	-19.6	8.41	84.4	0.812	103.94	3.08	103	1.52	4.35	0.6	< 0.5	196	755	6	32	< 2	59	1.48	8	< 10	30	< 0.5
1429029038	Slight	129	8.87	156	5.92	26.27	1.00	87	2.15	1.17	1.1	7.9	145	2120	< 1	119	< 2	1200	3.37	12	< 10	36	< 0.5
1429016080	Slight	-29.2	8.36	103	0.779	132.14	7.08	148	2.44	6.67	0.7	< 0.5	63	1980	< 1	59	< 2	150	2.20	20	< 10	30	< 0.5
1429029632	Slight	68.9	9.27	83.9	5.58	15.04	0.59	58	1.31	0.68	1.5	2.3	80	1110	< 1	62	2	730	2.49	15	< 10	48	< 0.5
1429016021	Slight	98.0	8.67	137	3.53	38.75	0.98	89	1.87	1.57	0.4	< 0.5	84	1530	< 1	128	< 2	114	3.82	16	< 10	20	< 0.5
1429029136	Slight	43.2	8.71	84.7	2.04	41.56	1.36	141	2.31	1.78	2.4	5.0	197	2370	< 1	87	< 2	1440	2.93	21	< 10	46	< 0.5
1429029636	Slight	54.1	8.95	80.0	3.09	25.89	0.83	122	1.54	1.10	1.7	8.1	78	1570	< 1	56	< 2	2260	2.61	18	< 10	41	< 0.5
1429016196	Slight	28.9	8.49	161	1.22	132.07	5.43	186	2.19	6.04	0.7	< 0.5	153	1340	< 1	49	< 2	74	2.19	18	< 10	22	< 0.5
1315020059	None	-18.4	9.26	23.3	0.559	41.67	0.43	276	0.33	1.48	0.9	1.7	44	410	1	18	27	449	1.09	93	< 10	43	< 0.5
1314015002	None	-8.30	8.86	36.4	0.814	44.65	0.81	615	0.76	1.70	1.8	12.0	121	1020	2	16	39	2620	1.38	74	< 10	34	< 0.5
1429029029	Slight	149	8.93	173	7.19	24.07	0.96	72	2.42	1.09	1.1	3.8	311	1820	< 1	93	< 2	799	3.19	14	< 10	28	< 0.5
1315020083	None	-38.9	8.98	18.1	0.317	57.03	0.72	906	0.32	2.06	1.9	6.6	111	509	< 1	16	22	1540	1.18	116	< 10	36	< 0.5
1315020107	None	-41.6	8.92	20.8	0.333	62.36	1.46	592	0.30	2.48	2.2	31.8	146	759	< 1	10	16	7200	1.53	56	< 10	30	< 0.5
1429019522	Slight	77.1	8.94	107	3.55	30.23	0.79	170	1.67	1.23	0.8	0.5	128	1610	< 1	90	< 2	269	5.01	18	< 10	59	< 0.5
1429016198	Slight	29.1	9.24	58.4	2.00	29.23	0.55	32	0.76	1.12	0.3	< 0.5	121	422	1	17	< 2	29	1.32	7	< 10	57	< 0.5
1429016172	Slight	9.12	8.61	99.5	1.10	90.42	1.19	112	1.54	3.29	0.7	< 0.5	79	806	2	37	< 2	64	1.78	12	< 10	34	< 0.5
1429016186	Slight	-58.0	8.36	88.3	0.604	146.36	4.18	98	1.88	6.08	0.6	< 0.5	158	1140	< 1	45	< 2	78	1.77	11	< 10	24	< 0.5
1429016195	Slight	-20.6	8.38	119	0.853	140.01	4.61	224	1.53	6.02	0.9	< 0.5	142	1110	< 1	55	< 2	68	2.29	18	< 10	20	< 0.5
1429016068	Slight	32.9	9.44	77.9	1.73	45.04	0.71	43	1.36	1.66	0.2	< 0.5	14	612	< 1	13	< 2	32	1.15	9	< 10	54	< 0.5
1429016024	Slight	54.4	8.99	86.4	2.70	31.97	0.57	67	1.27	1.21	0.4	< 0.5	74	861	< 1	27	< 2	148	1.97	11	< 10	71	< 0.5
F015341								354															
GC23-0031-013	None	-16.2	9.40	16.8	0.510	33.04	0.32	244	0.19	1.17	0.5	1.8	25	626	< 1	10	28	464	1.79	30	< 10	40	< 0.5
142800127	Slight	-25.7	8.55	58.6	0.695	84.32	1.10	160	0.98	3.07	0.8	< 0.5	76	873	2	35	2	114	2.64	9	< 10	51	< 0.5
1429017524	Slight	-27.3	8.76	9.08	0.250	36.36	0.46	116	0.16	1.32	0.7	1.0	62	1030	< 1	10	31	352	2.16	28	< 10	59	< 0.5

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1429017398	Slight	13.4	9.01	51.2	1.35	37.82	0.62	96	0.79	1.42	1.8	3.1	31	1010	1	10	203	669	1.62	31	< 10	52	< 0.5
142800117	Slight	3.60	8.74	51.3	1.08	47.70	0.82	120	0.71	1.80	0.8	0.8	42	723	1	77	5	210	2.88	10	< 10	36	< 0.5
1315019632	Slight	-2.46	9.02	36.7	0.937	39.19	0.54	450	0.53	1.44	1.2	< 0.5	32	532	< 1	12	23	166	2.49	28	< 10	58	< 0.5
1315019002	Slight	-8.11	8.75	36.8	0.819	44.87	0.55	570	0.51	1.62	0.8	0.8	30	645	< 1	12	80	217	1.92	77	< 10	73	< 0.5
1315019017	None	-2.77	8.81	26.3	0.905	29.06	0.31	376	0.05	1.03	0.5	< 0.5	40	397	< 1	11	21	189	2.73	48	< 10	61	< 0.5
GC23-0065-008	Slight	37.7	9.59	67.1	2.28	29.40	0.63	260	1.22	1.15	1.9	2.7	74	1870	< 1	7	212	716	1.07	59	< 10	59	< 0.5
1429017388	Slight	-5.28	9.09	36.8	0.874	42.05	0.63	63	0.64	1.53	1.8	0.7	57	1630	2	15	54	228	1.33	25	< 10	49	< 0.5
1429017294	None	-28.1	8.74	5.49	0.163	33.59	0.27	96	0.07	1.17	0.7	< 0.5	33	331	< 1	12	26	152	1.55	40	< 10	44	< 0.5
GC23-0025-001	Slight	18.2	8.95	66.1	1.38	47.86	0.52	242	0.90	1.71	0.6	2.0	29	1060	< 1	7	21	491	1.23	159	< 10	32	< 0.5
1429017220	Slight	1.09	9.27	50.5	1.02	49.44	0.63	99	0.78	1.79	1.1	1.4	43	1310	1	11	69	347	1.30	35	< 10	50	< 0.5
GC23-0041-002	Slight	-1.53	9.43	28.0	0.948	29.57	0.61	637	0.29	1.15	0.9	7.8	24	993	< 1	8	129	1790	2.22	31	< 10	42	< 0.5
1315019664	Slight	-4.51	9.13	16.4	0.784	20.86	0.32	34	0.26	0.78	0.3	< 0.5	20	336	< 1	13	12	105	3.08	20	< 10	77	< 0.5
1315019055	Slight	5.51	9.18	29.8	1.23	24.31	0.39	187	0.38	0.91	0.5	0.8	37	671	< 1	15	22	296	2.95	22	< 10	98	< 0.5
1429017462	Slight	-22.9	8.45	10.7	0.318	33.57	0.67	87	0.24	1.30	1.0	1.8	38	1310	< 1	12	53	522	1.94	32	< 10	57	< 0.5
1315019039	Slight	-10.1	9.15	16.9	0.627	27.00	0.33	182	0.22	0.98	0.4	< 0.5	19	470	< 1	12	14	88	3.06	22	< 10	59	< 0.5
1429017406	Slight	-15.2	9.11	20.0	0.569	35.20	0.68	59	0.37	1.35	1.6	0.7	81	1650	3	9	41	239	1.80	32	< 10	60	< 0.5
GC23-0028-008	Slight	4.01	9.23	29.4	1.16	25.35	0.32	144	0.37	0.90	0.6	< 0.5	17	912	< 1	9	55	120	1.70	33	< 10	35	< 0.5
F015344								1090															
1429028245	Slight	-15.6	9.12	23.4	0.600	38.96	0.62	87	0.69	1.45	< 0.2	< 0.5	86	213	2	15	< 2	22	1.03	5	< 10	56	< 0.5
1429029669	Slight	-87.8	8.31	42.6	0.327	130.47	1.80	478	0.53	4.78	0.3	0.5	132	1450	< 1	43	< 2	229	3.02	10	< 10	27	< 0.5
1429028200	Slight	-15.5	9.01	43.6	0.738	59.18	0.67	125	0.67	2.12	0.2	< 0.5	100	251	4	17	3	103	0.97	5	< 10	41	< 0.5
1429029612	Slight	113	8.87	138	5.52	25.08	1.03	40	2.61	1.15	0.6	1.5	127	1800	< 1	109	< 2	376	3.06	5	< 10	23	< 0.5
1429029668	Slight	-8.95	8.81	66.0	0.881	74.96	1.32	211	1.33	2.84	0.9	0.9	82	1290	< 1	31	< 2	240	1.91	12	< 10	44	< 0.5
1429016207	Slight	8.87	8.99	45.9	1.24	37.05	0.49	110	0.67	1.35	0.3	< 0.5	49	521	1	15	< 2	45	1.36	7	< 10	35	< 0.5
1429028347	Slight	49.9	9.03	85.6	2.40	35.70	0.94	121	1.17	1.46	0.5	< 0.5	468	619	2	107	< 2	48	2.61	3	< 10	35	< 0.5
1315020002	Slight	-18.6	9.05	18.9	0.505	37.50	0.46	1130	0.24	1.35	1.0	2.9	72	785	< 1	11	228	691	2.14	34	< 10	40	< 0.5
1429029096	Slight	58.5	8.47	130	1.82	71.16	2.77	606	2.54	3.20	4.1	4.7	142	2400	< 1	111	< 2	1000	3.33	37	< 10	36	< 0.5
1429029920	Slight	129	8.92	160	5.22	30.57	1.47	223	2.61	1.47	2.2	7.3	155	1950	< 1	121	< 2	1010	3.36	22	< 10	26	< 0.5
1429028257	Slight	11.7	8.85	68.9	1.20	57.22	0.88	91	1.01	2.12	0.4	0.5	97	424	1	31	14	125	1.70	5	< 10	54	< 0.5
GC23-0123-002	Slight	-15.7	9.35	13.9	0.470	29.58	0.64	126	0.13	1.16	1.0	10.6	42	691	< 1	10	52	2500	1.90	41	< 10	41	< 0.5
GC23-0086-010	Slight	-67.4	8.70	19.2	0.222	86.57	0.92	520	0.27	3.08	1.1	8.9	78	531	< 1	12	27	2120	1.02	163	< 10	30	< 0.5
GC23-0043-002	Slight	-7.68	9.34	16.7	0.685	24.40	0.25	73	0.13	0.87	0.3	< 0.5	15	544	< 1	11	19	88	1.93	41	< 10	32	< 0.5
1429028377	Slight	44.5	9.43	64.6	3.21	20.15	0.39	24	0.96	0.77	< 0.2	< 0.5	61	432	1	23	< 2	35	1.11	2	< 10	55	< 0.5
GC23-0099-002	Slight	18.2	9.29	62.2	1.42	43.94	0.72	220	0.82	1.65	0.6	1.6	68	750	< 1	12	5	362	1.74	53	< 10	61	< 0.5
GC23-0124-001	Slight	-73.0	8.70	23.3	0.242	96.32	1.70	106	0.25	3.65	0.7	3.2	136	588	< 1	15	7	788	1.92	70	< 10	15	< 0.5
GC23-0120-002	Slight	-22.2	9.24	27.6	0.554	49.85	0.98	1490	0.34	1.92	1.6	13.1	89	874	2	11	91	3120	1.78	66	< 10	37	< 0.5
F015356								1880															
1429033612	Slight	42.8	9.59	66.6	2.80	23.76	0.60	168	1.10	0.96	0.3	< 0.5	81	196	< 1	20	< 2	21	0.81	< 2	< 10	34	< 0.5
1429033649	Slight	54.6	8.99	68.4	4.97	13.74	0.62	91	0.96	0.65	0.7	< 0.5	42	855	2	27	58	130	0.98	25	< 10	26	< 0.5
1429033191	Slight	21.1	9.64	31.2	3.10	10.06	0.48	53	0.50	0.46	< 0.2	< 0.5	50	867	1	25	< 2	42	1.61	5	< 10	34	< 0.5
1429033095	Slight	-6.13	9.36	57.0	0.903	63.12	0.78	318	0.86	2.28	6.1	< 0.5	37	1450	1	13	30	216	1.10	157	< 10	51	< 0.5
1429016827	Slight	50.6	9.85	64.6	4.60	14.06	0.63	22	1.00	0.66	0.3	< 0.5	54	408	1	14	< 2	32	1.55	5	< 10	69	< 0.5
1429028099	Slight	61.8	9.28	90.3	3.17	28.48	0.71	37	1.60	1.15	0.2	< 0.5	122	758	1	104	< 2	37	2.02	5	< 10	34	< 0.5
1429028021	Slight	77.8	9.57	87.5	8.97	9.76	0.62	19	1.72	0.52	< 0.2	< 0.5	64	542	< 1	30	< 2	33	1.06	2	< 10	55	< 0.5
1429033705	Slight	46.6	9.89	46.8	299	< 0.31	0.29	14	0.91	0.10	< 0.2	< 0.5	41	2020	< 1	33	< 2	60	1.55	4	< 10	76	< 0.5
GC23-0094-002	Slight	-0.0117	9.39	31.9	1.000	31.88	0.73	240	0.37	1.26	0.6	8.7	49	1060	< 1	9	18	2040	1.79	56	< 10	39	< 0.5
1429033695	Slight	174	9.05	185	18.0	10.26	0.96	33	2.54	0.65	0.2	< 0.5	92	1260	2	54	< 2	46	2.60	8	< 10	16	< 0.5
GC23-0039-009FD	Slight	-24.4	9.15	24.8	0.504	49.17	1.06	182	0.27	1.93	1.2	18.3	113	918	< 1	9	22	4070	1.72	64	< 10	33	< 0.5

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC23-0069-002	Slight	-73.3	8.53	11.4	0.135	84.74	0.69	356	0.10	2.94	0.3	0.8	27	736	< 1	14	13	254	1.25	167	< 10	35	< 0.5
1315020034	Slight	-10.3	9.33	28.9	0.738	39.17	0.91	1560	0.37	1.56	1.8	14.2	106	889	< 1	15	90	3600	1.72	49	< 10	51	< 0.5
1429016807	Slight	52.5	9.71	64.4	5.41	11.92	0.49	80	1.17	0.55	0.5	< 0.5	45	538	3	20	< 2	48	0.91	3	< 10	64	< 0.5
GC23-0039-002	Slight	-7.56	9.37	24.2	0.762	31.77	0.42	49	0.16	1.16	0.4	< 0.5	30	604	< 1	19	37	102	2.29	42	< 10	50	< 0.5
1429033008	Slight	26.2	9.52	33.4	4.65	7.19	0.55	58	0.54	0.41	< 0.2	< 0.5	156	1030	5	33	< 2	56	2.04	4	< 10	42	< 0.5
1315020212	Slight	-17.8	9.19	21.0	0.541	38.78	0.99	225	0.18	1.57	1.0	18.2	67	691	< 1	16	24	4470	1.70	38	< 10	34	< 0.5
1429033212	Slight	-0.178	9.16	39.3	0.995	39.44	0.48	282	0.56	1.42	0.5	< 0.5	51	972	2	14	18	108	0.92	21	< 10	43	< 0.5
1429028233	Slight	19.3	9.43	47.7	1.68	28.34	0.56	83	0.70	1.09	0.2	< 0.5	145	462	3	40	< 2	31	1.54	4	< 10	40	< 0.5
1429028076	Slight	39.1	8.93	58.0	3.07	18.91	0.64	32	0.82	0.81	0.2	< 0.5	130	802	1	162	< 2	60	2.98	7	< 10	< 10	< 0.5
GC23-0079-006	Slight	-38.6	9.24	33.8	0.467	72.45	0.81	646	0.47	2.59	0.8	2.3	28	592	< 1	13	10	564	1.08	90	< 10	41	< 0.5
1429016803	Slight	52.3	9.73	64.0	5.47	11.70	0.43	83	1.39	0.52	0.4	< 0.5	117	853	3	15	< 2	51	0.99	22	< 10	53	< 0.5
1429028012	Slight	44.8	8.90	66.6	3.05	21.83	0.70	32	0.88	0.93	0.2	< 0.5	145	833	< 1	172	< 2	61	3.04	9	< 10	< 10	< 0.5
F015350								> 5000															
1429029063	Slight	-20.8	8.76	76.7	0.787	97.53	2.13	228	1.46	3.82	0.3	1.0	100	1740	< 1	46	< 2	276	2.74	16	< 10	42	< 0.5
1429028361	Slight	31.7	9.22	77.6	1.69	45.92	0.92	62	1.19	1.78	0.3	< 0.5	87	386	3	24	4	33	1.48	6	< 10	58	< 0.5
1429028310	Slight	14.0	9.41	55.3	1.34	41.33	0.68	136	0.81	1.55	0.4	< 0.5	123	233	< 1	19	4	34	1.32	6	< 10	62	< 0.5
1429016281	Slight	53.9	9.76	72.5	3.89	18.65	0.51	38	0.96	0.77	< 0.2	< 0.5	27	482	3	27	< 2	31	1.92	4	< 10	61	< 0.5
GC23-0108-002	Slight	-80.6	8.97	9.67	0.107	90.24	1.06	1190	0.10	3.24	2.3	4.0	602	649	< 1	12	39	871	1.56	162	< 10	39	< 0.5
GC23-0101-006	Slight	-16.1	9.29	44.5	0.735	60.59	0.88	127	0.60	2.23	0.5	8.9	44	574	< 1	15	7	2190	0.86	96	< 10	41	< 0.5
1429016218	Slight	22.2	9.84	28.9	4.28	6.75	0.24	17	0.47	0.30	< 0.2	< 0.5	23	343	< 1	19	< 2	60	1.75	3	< 10	49	< 0.5
GC23-0181-004	Slight	-59.3	9.08	12.9	0.179	72.24	1.04	1020	0.15	2.66	0.9	15.3	67	764	< 1	12	20	3530	1.54	70	< 10	41	< 0.5
GC23-0085-002	Slight	-19.3	9.24	40.1	0.675	59.35	0.84	686	0.69	2.18	0.5	8.1	47	743	< 1	16	6	1900	0.80	97	< 10	49	< 0.5
1429016284	Slight	32.4	9.87	43.8	3.86	11.35	0.37	27	0.68	0.49	0.2	< 0.5	27	353	3	15	< 2	26	1.49	6	< 10	55	< 0.5
1429028041	Slight	27.1	9.51	47.8	2.31	20.71	0.29	38	0.62	0.76	< 0.2	< 0.5	62	215	2	16	< 2	27	1.02	3	< 10	41	< 0.5
1429028145	Slight	23.2	9.43	63.7	1.57	40.44	0.61	46	1.07	1.50	0.3	< 0.5	164	399	3	25	< 2	22	0.73	3	< 10	39	< 0.5
1429028025	Slight	-19.6	8.75	61.7	0.759	81.38	1.03	64	0.91	2.87	0.3	< 0.5	171	360	2	25	< 2	39	1.06	10	< 10	36	< 0.5
1429028152	Slight	145	8.99	156	14.1	11.02	0.64	50	1.96	0.57	0.3	< 0.5	141	994	3	160	< 2	63	3.03	5	< 10	25	< 0.5
GC23-0055-001	Slight	29.3	9.09	50.9	2.36	21.53	0.47	228	0.61	0.84	0.7	< 0.5	30	1350	< 1	13	50	97	2.26	29	< 10	54	< 0.5
1429019724	Slight	63.0	8.37	115	2.20	52.50	1.54	156	1.68	2.19	0.7	0.9	106	1580	< 1	65	< 2	385	3.77	25	< 10	26	< 0.5
1429016109	Slight	-70.7	8.12	99.6	0.585	170.31	6.14	143	1.56	7.50	0.7	< 0.5	59	1300	< 1	66	< 2	134	2.25	20	< 10	24	< 0.5
1429019714	Slight	96.5	8.36	170	2.32	73.37	2.04	327	2.25	3.03	2.1	4.3	149	1760	< 1	67	3	1120	2.53	42	< 10	46	< 0.5
1429028001	Slight	170	9.34	172	110	1.56	0.52	45	3.01	0.23	< 0.2	< 0.5	233	692	8	83	< 2	46	2.13	4	< 10	55	< 0.5
GC23-0103-006	Slight	-52.2	8.66	27.7	0.346	79.84	1.13	386	0.36	2.93	0.5	11.9	52	638	< 1	15	16	2980	1.31	137	< 10	39	< 0.5
F015347								556															

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1430037347	< 2	4.33	34	55	8.64	10	< 1	0.37	< 10	2.37	0.126	0.048	1.30	5	20	67	0.19	< 20	< 1	< 2	< 10	346	15
1429013032	< 2	2.18	7	87	2.05	< 10	< 1	0.17	< 10	0.85	0.055	0.045	1.01	< 2	< 1	38	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1429013040	< 2	1.98	9	201	2.09	< 10	< 1	0.13	14	0.81	0.074	0.046	0.74	< 2	1	39	< 0.01	< 20	< 1	< 2	< 10	17	< 10
1429013201	< 2	1.06	8	161	1.92	< 10	< 1	0.14	10	0.79	0.089	0.048	0.70	< 2	1	32	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1429013033	< 2	1.90	7	162	2.01	< 10	< 1	0.17	< 10	0.86	0.063	0.044	1.33	2	< 1	44	< 0.01	< 20	3	< 2	< 10	7	< 10
1314013005	< 2	0.88	7	120	3.33	< 10	< 1	0.25	11	1.45	0.022	0.041	1.97	3	< 1	22	< 0.01	< 20	2	< 2	< 10	9	< 10
1429013026	< 2	2.39	7	184	1.96	< 10	< 1	0.17	< 10	0.85	0.047	0.040	1.21	2	< 1	41	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1430037757	< 2	4.20	28	231	7.04	10	< 1	0.02	< 10	2.35	0.041	0.046	0.08	4	11	48	0.20	< 20	< 1	< 2	< 10	162	< 10
1429023027	3	1.40	7	97	2.14	< 10	< 1	0.14	< 10	0.98	0.034	0.037	2.05	7	< 1	28	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1430037764	< 2	4.92	34	113	7.97	10	< 1	0.13	< 10	2.32	0.090	0.039	0.23	4	16	55	0.19	< 20	1	< 2	< 10	341	< 10
1316041043	< 2	0.65	9	140	2.91	< 10	< 1	0.26	14	1.07	0.028	0.042	1.50	3	1	24	< 0.01	< 20	< 1	< 2	< 10	10	< 10
1430037394	< 2	3.19	22	111	5.13	< 10	< 1	0.20	< 10	1.70	0.143	0.049	0.52	3	10	52	0.16	< 20	< 1	< 2	< 10	194	< 10
1430037765	< 2	4.39	33	51	7.75	10	< 1	0.01	< 10	2.26	0.094	0.037	0.24	3	16	39	0.24	< 20	< 1	< 2	< 10	411	< 10
1429013123	< 2	2.90	19	188	3.90	< 10	< 1	0.17	10	1.26	0.065	0.049	1.48	4	4	46	0.05	< 20	6	< 2	< 10	45	< 10
1316041077	< 2	1.35	8	153	2.63	< 10	< 1	0.22	12	0.51	0.022	0.042	2.12	4	< 1	21	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1429013125	< 2	2.65	9	195	2.11	< 10	< 1	0.11	11	0.94	0.057	0.045	0.57	< 2	2	45	0.01	< 20	1	< 2	< 10	21	< 10
F014355																							
1429012018	< 2	4.33	22	146	5.44	< 10	< 1	0.14	< 10	2.07	0.056	0.055	3.55	2	5	51	< 0.01	< 20	3	< 2	< 10	48	< 10
1429027159	< 2	1.00	9	135	2.27	< 10	< 1	0.14	15	0.99	0.071	0.056	1.19	< 2	1	57	< 0.01	< 20	< 1	< 2	< 10	12	< 10
GC23-8006-001	< 2	0.38	9	129	1.47	< 10	< 1	0.19	< 10	0.30	0.080	0.029	1.24	< 2	< 1	37	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1429012257	< 2	2.55	7	119	1.98	< 10	< 1	0.15	10	1.02	0.048	0.041	1.03	< 2	< 1	24	< 0.01	< 20	3	< 2	< 10	5	< 10
GC23-9002-038	< 2	1.34	8	112	2.30	< 10	< 1	0.23	< 10	1.57	0.047	0.040	1.83	5	1	53	< 0.01	< 20	< 1	< 2	< 10	9	< 10
GC23-9003-002	< 2	1.68	11	136	3.31	< 10	< 1	0.45	23	1.41	0.105	0.077	0.95	3	4	136	0.05	< 20	< 1	< 2	< 10	31	< 10
1316042033	< 2	2.20	7	278	2.35	< 10	< 1	0.27	13	0.97	0.139	0.041	1.84	< 2	< 1	65	0.04	< 20	< 1	< 2	< 10	10	< 10
1429013303	< 2	0.93	8	115	2.14	< 10	< 1	0.13	< 10	1.10	0.067	0.046	2.06	4	< 1	42	< 0.01	< 20	2	< 2	< 10	7	< 10
1429013248	< 2	0.47	7	156	2.20	< 10	< 1	0.17	11	1.21	0.070	0.055	1.93	4	< 1	41	< 0.01	< 20	< 1	< 2	< 10	7	< 10
1429012185	< 2	3.16	25	169	5.62	< 10	< 1	0.10	< 10	1.87	0.098	0.047	2.40	3	4	47	< 0.01	< 20	3	< 2	< 10	79	< 10
1429012312	< 2	3.56	33	242	8.78	10	< 1	0.03	< 10	2.49	0.031	0.043	1.18	3	13	33	0.04	< 20	< 1	< 2	< 10	295	< 10
1429014002	< 2	2.28	10	261	1.98	< 10	< 1	0.10	16	0.88	0.080	0.041	1.10	2	< 1	44	< 0.01	< 20	3	< 2	< 10	10	< 10
1429027133	< 2	0.18	9	75	2.27	< 10	< 1	0.10	12	0.75	0.057	0.043	0.29	< 2	2	35	< 0.01	< 20	< 1	< 2	< 10	18	< 10
1316042059	< 2	1.20	8	226	2.20	< 10	< 1	0.28	11	0.99	0.047	0.036	1.64	< 2	< 1	43	0.05	< 20	2	< 2	< 10	9	< 10
1429014004	< 2	2.18	6	185	2.16	< 10	< 1	0.10	14	0.76	0.067	0.041	1.22	< 2	< 1	40	< 0.01	< 20	1	< 2	< 10	9	< 10
GC238003001	< 2	0.65	12	270	1.48	< 10	< 1	0.13	< 10	0.28	0.056	0.047	0.79	3	1	25	< 0.01	< 20	< 1	< 2	< 10	13	< 10
1316042011	< 2	2.01	8	255	2.32	< 10	< 1	0.28	14	0.90	0.097	0.044	2.07	< 2	< 1	64	0.04	< 20	2	< 2	< 10	9	< 10
1429027075	< 2	0.61	44	183	9.64	10	< 1	0.02	< 10	3.33	0.017	0.048	0.22	4	16	33	0.07	< 20	< 1	< 2	< 10	200	< 10
1429027007	3	2.83	8	308	2.60	< 10	< 1	0.14	12	0.98	0.103	0.045	1.58	2	2	93	< 0.01	< 20	3	< 2	< 10	13	< 10
1429012307	< 2	3.36	21	84	5.40	< 10	< 1	0.20	< 10	1.61	0.056	0.043	3.40	3	5	37	0.03	< 20	3	< 2	< 10	119	< 10
GC238004001	< 2	1.16	8	200	2.44	< 10	< 1	0.28	< 10	0.89	0.056	0.040	2.44	5	< 1	57	< 0.01	< 20	4	< 2	< 10	7	< 10
GC238008002	< 2	0.45	10	194	2.09	< 10	< 1	0.23	< 10	0.43	0.061	0.014	1.96	3	< 1	29	< 0.01	< 20	2	< 2	< 10	7	< 10
F014345																							
GC23-8013-037	< 2	0.62	8	179	1.76	< 10	< 1	0.22	< 10	0.72	0.031	0.044	1.10	3	< 1	22	< 0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-9005-018	< 2	2.17	7	84	2.65	< 10	< 1	0.26	< 10	1.53	0.061	0.038	1.08	3	< 1	42	< 0.01	< 20	2	< 2	< 10	8	< 10
1429018533	< 2	3.64	35	108	9.25	10	< 1	0.22	< 10	2.76	0.119	0.067	4.38	4	12	65	0.13	< 20	3	< 2	< 10	166	< 10
1429018017	< 2	2.78	29	111	8.66	< 10	< 1	0.09	< 10	2.35	0.024	0.052	3.83	5	8	30	0.06	< 20	4	< 2	< 10	83	< 10
1429027002	< 2	2.10	8	74	2.17	< 10	< 1	0.22	< 10	0.86	0.043	0.044	2.15	10	< 1	26	< 0.01	< 20	< 1	< 2	< 10	6	< 10
GC23-9007-001	< 2	0.62	48	200	10.00	10	< 1	0.04	< 10	3.88	0.027	0.047	1.04	4	21	8	0.05	< 20	< 1	< 2	< 10	206	< 10
GC23-9007-018	< 2	1.28	8	134	2.28	< 10	< 1	0.22	17	1.01	0.069	0.250	1.10	2	1	49	< 0.01	< 20	< 1	< 2	< 10	9	< 10
1429018471	< 2	3.64	33	79	9.13	< 10	< 1	0.39	< 10	2.64	0.081	0.064	5.07	6	12	51	0.16	< 20	3	< 2	< 10	138	< 10
GC23-9012-021	< 2	2.15	12	170	2.51	< 10	< 1	0.10	18	0.89	0.063	0.054	1.27	< 2	2	59	< 0.01	< 20	< 1	< 2	< 10	15	< 10
1429017001	< 2	2.37	10	120	2.69	< 10	< 1	0.15	< 10	1.08	0.058	0.046	1.76	2	2	38	0.01	< 20	< 1	< 2	< 10	24	< 10
GC23-8012-011	< 2	1.08	7	106	1.94	< 10	< 1	0.27	< 10	1.04	0.055	0.037	1.74	3	< 1	53	< 0.01	< 20	< 1	< 2	< 10	7	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
GC23-8011-042	< 2	2.49	7	245	2.20	< 10	< 1	0.24	< 10	1.13	0.052	0.040	1.57	4	< 1	68	< 0.01	< 20	2	< 2	< 10	7	< 10
GC23-9005-001	< 2	0.70	8	190	2.80	< 10	< 1	0.30	13	0.61	0.053	0.039	2.24	3	< 1	35	0.01	< 20	< 1	< 2	< 10	9	< 10
GC23-8012-029	< 2	1.82	7	126	2.13	< 10	< 1	0.32	< 10	0.90	0.048	0.038	2.18	3	< 1	59	< 0.01	< 20	< 1	< 2	< 10	6	< 10
GC23-9002-049	< 2	1.78	8	121	2.13	< 10	< 1	0.14	< 10	0.97	0.034	0.047	2.20	4	< 1	53	< 0.01	< 20	2	< 2	< 10	5	< 10
1429017824	< 2	1.74	7	163	2.00	< 10	< 1	0.25	< 10	0.96	0.063	0.041	1.45	< 2	< 1	47	< 0.01	< 20	2	< 2	< 10	7	< 10
GC23-8001-043	< 2	0.22	8	146	2.20	< 10	< 1	0.27	< 10	0.16	0.035	0.032	2.34	2	< 1	18	< 0.01	< 20	2	< 2	< 10	5	< 10
F014348																							
1429017049	< 2	0.78	9	101	2.16	< 10	< 1	0.12	13	0.99	0.065	0.050	1.46	< 2	< 1	40	< 0.01	< 20	< 1	< 2	< 10	7	< 10
1429017450	< 2	1.24	7	150	1.90	< 10	< 1	0.23	13	0.81	0.079	0.058	1.01	< 2	< 1	43	< 0.01	< 20	1	< 2	< 10	7	< 10
GC23-9008-032	< 2	1.65	7	77	1.85	< 10	< 1	0.14	< 10	1.09	0.033	0.041	1.87	4	< 1	43	< 0.01	< 20	3	< 2	< 10	4	< 10
GC23-0002-011	< 2	1.07	6	72	2.50	< 10	< 1	0.48	14	0.63	0.023	0.044	1.84	< 2	< 1	48	0.02	< 20	< 1	< 2	< 10	8	< 10
1429017808	< 2	2.09	7	118	2.08	< 10	< 1	0.32	< 10	0.97	0.044	0.044	2.12	3	< 1	32	< 0.01	< 20	2	< 2	< 10	6	< 10
1429017909	< 2	1.75	8	159	2.29	< 10	< 1	0.25	< 10	0.90	0.042	0.045	2.25	5	< 1	27	< 0.01	< 20	2	< 2	< 10	8	< 10
GC23-0003-002	< 2	0.30	6	122	2.24	< 10	< 1	0.53	14	0.67	0.023	0.035	1.54	< 2	< 1	16	0.02	< 20	< 1	< 2	< 10	9	< 10
1429017660	< 2	0.18	9	93	2.35	< 10	< 1	0.24	17	1.49	0.058	0.055	1.23	< 2	1	23	< 0.01	< 20	4	< 2	< 10	11	< 10
1429017842	< 2	0.59	8	67	2.04	< 10	< 1	0.25	18	1.26	0.070	0.053	1.32	< 2	< 1	24	< 0.01	< 20	< 1	< 2	< 10	10	< 10
1429017687	< 2	0.22	8	74	1.97	< 10	< 1	0.17	13	0.73	0.061	0.049	1.28	< 2	< 1	41	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1429018054	< 2	3.26	16	114	3.81	< 10	< 1	0.24	14	1.87	0.059	0.054	1.77	3	4	53	< 0.01	< 20	1	< 2	< 10	31	< 10
1429018086	< 2	3.00	23	129	5.53	< 10	< 1	0.21	< 10	1.90	0.049	0.042	2.52	3	5	37	< 0.01	< 20	3	< 2	< 10	40	< 10
1429027214	< 2	2.45	7	173	2.02	< 10	< 1	0.23	< 10	1.03	0.056	0.041	1.50	2	< 1	56	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1429018165	< 2	3.06	29	170	10.1	10	< 1	0.11	< 10	2.42	0.032	0.071	4.77	4	11	46	0.07	< 20	4	< 2	< 10	124	< 10
1429017682	< 2	1.67	7	111	1.89	< 10	< 1	0.17	12	0.92	0.057	0.051	1.34	< 2	< 1	25	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0017-002	< 2	1.45	6	182	1.52	< 10	< 1	0.21	< 10	0.59	0.022	0.034	1.12	< 2	< 1	19	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0005-004	< 2	1.36	6	100	1.74	< 10	< 1	0.44	15	0.59	0.022	0.042	1.36	< 2	< 1	24	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1316042058	< 2	1.22	8	306	2.39	< 10	< 1	0.28	11	0.83	0.045	0.037	2.00	3	< 1	39	0.05	< 20	< 1	< 2	< 10	9	< 10
F015346																							
GC23-0012-009	< 2	0.94	7	99	2.28	< 10	< 1	0.45	16	0.97	0.028	0.040	1.96	3	< 1	52	0.03	< 20	< 1	< 2	< 10	10	< 10
1429018600	< 2	3.38	27	176	6.40	< 10	< 1	0.26	< 10	2.17	0.132	0.053	2.30	5	6	89	0.05	< 20	2	< 2	< 10	100	< 10
1429018574	< 2	2.56	9	142	3.11	< 10	< 1	0.29	13	1.13	0.141	0.042	1.75	3	1	61	< 0.01	< 20	< 1	< 2	< 10	14	< 10
1429018615	< 2	4.12	28	85	8.70	< 10	1	0.25	< 10	2.38	0.182	0.056	3.73	2	10	107	0.10	< 20	< 1	< 2	< 10	152	< 10
GC23-0016-008	< 2	1.20	7	175	1.90	< 10	< 1	0.30	15	0.89	0.126	0.041	1.04	2	< 1	51	< 0.01	< 20	2	< 2	< 10	10	< 10
GC23-0014-013	< 2	1.43	6	144	1.76	< 10	< 1	0.35	16	1.06	0.048	0.041	0.89	< 2	1	75	0.02	< 20	3	< 2	< 10	12	< 10
GC23-9007-057	< 2	1.62	9	135	2.01	< 10	< 1	0.29	< 10	1.03	0.048	0.037	1.55	3	< 1	51	< 0.01	< 20	< 1	< 2	< 10	7	34
1429017127	< 2	1.60	6	73	2.12	< 10	< 1	0.16	< 10	1.14	0.038	0.042	1.86	< 2	< 1	29	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0026-003	< 2	1.82	5	74	1.80	< 10	< 1	0.38	14	0.88	0.029	0.040	1.16	< 2	< 1	37	< 0.01	< 20	4	< 2	< 10	7	< 10
142800113	< 2	3.61	37	211	9.38	10	< 1	0.11	< 10	2.82	0.179	0.055	3.17	4	8	79	0.04	< 20	< 1	< 2	< 10	145	< 10
1429018155	< 2	3.20	19	192	5.31	< 10	< 1	0.11	10	1.93	0.056	0.057	2.04	3	7	54	0.07	< 20	< 1	< 2	< 10	93	< 10
1429018310	< 2	3.29	36	109	9.40	< 10	1	0.18	< 10	2.31	0.026	0.063	5.05	4	9	54	0.10	< 20	10	< 2	< 10	84	< 10
1429017117	< 2	1.73	8	104	2.33	< 10	< 1	0.20	< 10	1.00	0.043	0.047	2.23	< 2	< 1	35	< 0.01	< 20	1	< 2	< 10	5	< 10
1429018552	< 2	1.97	11	290	2.80	< 10	< 1	0.28	15	1.25	0.054	0.055	1.72	3	2	45	0.01	< 20	< 1	< 2	< 10	19	< 10
1429017113	< 2	2.68	7	81	2.03	< 10	< 1	0.22	< 10	1.28	0.064	0.039	1.62	< 2	< 1	45	< 0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-0022-002	< 2	1.61	6	132	1.73	< 10	< 1	0.36	11	0.72	0.026	0.041	1.60	2	< 1	38	< 0.01	< 20	2	< 2	< 10	6	< 10
1315019108	< 2	2.16	10	113	2.55	< 10	< 1	0.30	20	1.05	0.110	0.054	1.43	2	1	99	0.03	< 20	< 1	< 2	< 10	16	< 10
1429017522	< 2	0.39	9	76	2.17	< 10	< 1	0.14	16	1.44	0.034	0.080	1.08	< 2	< 1	12	< 0.01	< 20	2	< 2	< 10	8	< 10
1315019029	< 2	1.81	10	86	2.47	< 10	< 1	0.15	21	0.99	0.111	0.057	0.97	< 2	1	77	0.01	< 20	2	< 2	< 10	13	< 10
1429018602	< 2	2.45	8	210	2.95	< 10	< 1	0.26	14	1.12	0.071	0.044	1.74	3	< 1	35	< 0.01	< 20	2	< 2	< 10	10	< 10
1429017138	< 2	1.50	7	116	2.21	< 10	< 1	0.19	< 10	1.01	0.039	0.043	2.08	< 2	< 1	28	< 0.01	< 20	1	< 2	< 10	5	< 10
1429017644	< 2	1.57	9	214	2.29	< 10	< 1	0.16	21	1.43	0.056	0.062	1.84	2	2	35	< 0.01	< 20	1	< 2	< 10	15	< 10
F015349																							
1429017174	< 2	0.73	8	183	2.22	< 10	< 1	0.20	12	0.68	0.047	0.061	1.20	2	< 1	36	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1429017176	< 2	0.39	7	162	1.86	< 10	< 1	0.23	< 10	0.55	0.056	0.052	1.42	2	< 1	38	< 0.01	< 20	2	< 2	< 10	7	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1429028273	< 2	2.09	8	188	2.12	< 10	< 1	0.12	14	0.82	0.061	0.047	1.14	< 2	1	43	< 0.01	< 20	< 1	< 2	< 10	12	< 10
1429028357	< 2	1.80	8	349	2.08	< 10	< 1	0.13	14	0.82	0.105	0.045	1.03	3	1	66	< 0.01	< 20	2	< 2	< 10	11	< 10
GC23-0070-013	< 2	0.77	6	114	2.81	< 10	< 1	0.46	12	1.08	0.022	0.042	1.70	< 2	< 1	16	0.03	< 20	< 1	< 2	< 10	10	< 10
GC23-0033-010	< 2	1.74	9	105	1.86	< 10	< 1	0.37	16	1.12	0.039	0.040	1.24	2	< 1	50	0.02	< 20	< 1	< 2	< 10	10	< 10
1429033085	< 2	1.79	7	277	2.18	< 10	< 1	0.31	< 10	0.79	0.052	0.039	1.93	5	< 1	24	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1429033122	< 2	1.50	8	139	2.22	< 10	< 1	0.16	< 10	0.93	0.036	0.039	2.29	4	< 1	30	< 0.01	< 20	< 1	< 2	< 10	4	< 10
1429033101	< 2	3.92	28	201	7.05	< 10	< 1	0.05	< 10	2.39	0.028	0.043	0.38	3	13	66	0.17	< 20	< 1	< 2	< 10	145	< 10
1429033155	< 2	0.60	8	173	2.30	< 10	< 1	0.32	< 10	0.28	0.045	0.053	2.28	< 2	< 1	22	< 0.01	< 20	< 1	< 2	< 10	5	< 10
GC23-0054-014	< 2	0.83	8	101	2.73	< 10	< 1	0.48	< 10	0.51	0.018	0.044	2.93	3	< 1	53	< 0.01	< 20	2	< 2	< 10	6	< 10
GC23-0062-002	< 2	1.02	7	172	2.31	< 10	< 1	0.48	15	0.85	0.025	0.040	1.64	3	< 1	40	0.04	< 20	< 1	< 2	< 10	9	< 10
1315020110	< 2	1.42	7	153	2.11	< 10	< 1	0.24	14	1.24	0.040	0.039	1.52	2	< 1	49	0.03	< 20	< 1	< 2	< 10	8	< 10
GC23-0059-018	< 2	1.56	5	159	2.14	< 10	< 1	0.43	10	0.51	0.019	0.038	2.25	< 2	< 1	46	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1315020091	< 2	1.07	7	172	2.82	< 10	< 1	0.37	15	0.61	0.029	0.039	2.51	2	< 1	30	< 0.01	< 20	< 1	< 2	< 10	7	< 10
1429028358	< 2	1.18	8	375	2.05	< 10	< 1	0.13	13	0.63	0.131	0.041	0.75	2	1	64	< 0.01	< 20	1	< 2	< 10	11	< 10
1315020026	< 2	1.70	13	155	3.25	< 10	< 1	0.29	23	1.53	0.055	0.079	1.86	< 2	3	101	0.07	< 20	< 1	< 2	< 10	28	< 10
1315020052	< 2	1.24	8	249	2.66	< 10	< 1	0.32	17	0.85	0.041	0.049	2.26	4	< 1	28	< 0.01	< 20	3	< 2	< 10	9	< 10
1429033178	< 2	1.48	7	155	1.94	< 10	< 1	0.24	10	0.70	0.051	0.044	1.79	4	< 1	40	< 0.01	< 20	1	< 2	< 10	5	< 10
1429033057	< 2	1.08	7	74	1.99	< 10	< 1	0.28	< 10	0.48	0.051	0.046	1.70	< 2	< 1	28	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1429033200	< 2	2.75	10	333	2.67	< 10	< 1	0.26	17	1.04	0.056	0.104	1.56	3	2	60	< 0.01	< 20	< 1	< 2	< 10	17	< 10
1429033056	< 2	0.84	7	90	2.14	< 10	< 1	0.30	11	0.41	0.050	0.050	1.83	< 2	< 1	26	< 0.01	< 20	3	< 2	< 10	5	< 10
F015348																							
1429016180	< 2	3.16	25	126	4.88	< 10	< 1	0.11	12	1.37	0.068	0.048	4.13	2	3	51	< 0.01	< 20	< 1	< 2	< 10	26	< 10
1429029038	< 2	4.20	33	188	6.83	< 10	< 1	0.10	< 10	2.88	0.046	0.038	0.94	4	10	61	< 0.01	< 20	1	< 2	< 10	98	< 10
1429016080	< 2	3.96	32	96	8.34	< 10	< 1	0.15	< 10	2.52	0.051	0.053	6.06	4	8	39	< 0.01	< 20	< 1	< 2	< 10	69	< 10
1429029632	< 2	3.16	25	144	4.18	< 10	< 1	0.15	11	1.84	0.066	0.053	0.67	3	4	51	< 0.01	< 20	2	< 2	< 10	30	< 10
1429016021	< 2	3.87	38	109	9.22	10	< 1	0.06	< 10	3.43	0.038	0.054	1.25	4	11	50	0.03	< 20	2	< 2	< 10	156	< 10
1429029136	< 2	3.63	31	147	7.33	< 10	< 1	0.16	< 10	2.50	0.037	0.035	1.47	3	9	32	0.02	< 20	4	< 2	< 10	76	< 10
1429029636	< 2	3.01	21	128	4.96	< 10	< 1	0.11	< 10	2.00	0.052	0.050	0.98	2	5	43	< 0.01	< 20	2	< 2	< 10	40	< 10
1429016196	< 2	4.30	35	57	7.99	< 10	< 1	0.11	< 10	1.93	0.055	0.063	5.44	4	9	49	< 0.01	< 20	2	< 2	< 10	77	< 10
1315020059	< 2	1.04	9	213	2.28	< 10	< 1	0.29	14	0.57	0.036	0.046	1.42	2	1	21	0.02	< 20	2	< 2	< 10	13	< 10
1314015002	< 2	1.39	7	216	2.64	< 10	< 1	0.34	13	1.03	0.023	0.039	1.79	4	< 1	26	0.02	< 20	2	< 2	< 10	8	< 10
1429029029	< 2	4.42	33	145	6.62	< 10	2	0.06	< 10	2.87	0.044	0.035	0.88	3	13	59	< 0.01	< 20	< 1	< 2	< 10	103	< 10
1315020083	< 2	0.89	9	155	2.83	< 10	< 1	0.29	13	0.62	0.029	0.046	2.17	4	1	19	0.02	< 20	< 1	< 2	< 10	14	< 10
1315020107	< 2	0.98	7	96	3.28	< 10	< 1	0.23	13	1.23	0.021	0.039	2.55	3	< 1	18	0.03	< 20	3	< 2	< 10	11	< 10
1429019522	< 2	4.39	35	178	8.04	10	< 1	0.45	< 10	3.11	0.207	0.042	1.04	4	8	64	0.14	< 20	< 1	< 2	< 10	161	< 10
1429016198	< 2	2.31	14	215	2.26	< 10	< 1	0.21	21	0.77	0.070	0.043	1.19	< 2	1	42	< 0.01	< 20	< 1	< 2	< 10	11	< 10
1429016172	< 2	3.54	23	199	5.03	< 10	< 1	0.12	< 10	1.34	0.092	0.050	3.24	2	4	50	< 0.01	< 20	3	< 2	< 10	40	< 10
1429016186	< 2	3.56	34	89	7.25	< 10	< 1	0.11	< 10	1.76	0.057	0.058	5.65	4	6	48	< 0.01	< 20	2	< 2	< 10	52	< 10
1429016195	< 2	3.96	39	88	7.74	< 10	1	0.10	< 10	1.56	0.074	0.065	5.50	3	7	49	< 0.01	< 20	5	< 2	< 10	76	< 10
1429016068	< 2	2.51	8	124	2.35	< 10	< 1	0.16	11	1.16	0.112	0.045	1.68	2	1	44	< 0.01	< 20	< 1	< 2	< 10	11	< 10
1429016024	< 2	3.04	18	82	4.30	< 10	< 1	0.10	15	1.60	0.075	0.052	1.11	< 2	5	54	0.03	< 20	1	< 2	< 10	75	< 10
F015341																							
GC23-0031-013	< 2	1.32	7	105	1.74	< 10	< 1	0.25	16	0.93	0.056	0.043	1.18	< 2	< 1	45	0.01	< 20	< 1	< 2	< 10	8	< 10
142800127	< 2	2.93	18	184	4.74	< 10	< 1	0.17	< 10	1.52	0.221	0.048	3.16	3	4	75	0.03	< 20	< 1	< 2	< 10	45	< 10
1429017524	< 2	0.53	9	80	2.26	< 10	< 1	0.27	18	1.37	0.064	0.049	1.38	< 2	< 1	21	< 0.01	< 20	< 1	< 2	< 10	10	< 10
1429017398	< 2	1.99	7	114	1.96	< 10	< 1	0.26	14	1.04	0.081	0.056	1.41	< 2	< 1	51	< 0.01	< 20	< 1	< 2	< 10	8	< 10
142800117	< 2	2.57	19	278	3.76	< 10	< 1	0.45	17	2.12	0.194	0.063	1.77	3	4	90	0.06	< 20	2	< 2	< 10	38	< 10
1315019632	< 2	2.24	8	139	2.15	< 10	< 1	0.28	14	0.80	0.105	0.045	1.47	< 2	1	63	< 0.01	< 20	< 1	< 2	< 10	11	< 10
1315019002	< 2	1.64	9	119	2.41	< 10	< 1	0.42	19	0.90	0.059	0.055	1.69	2	1	38	< 0.01	< 20	1	< 2	< 10	12	< 10
1315019017	< 2	0.72	10	57	2.27	< 10	< 1	0.23	17	0.63	0.082	0.062	0.99	5	2	57	< 0.01	< 20	< 1	< 2	< 10	15	< 10
GC23-0065-008	< 2	2.31	6	70	1.65	< 10	< 1	0.46	< 10	0.99	0.023	0.041	1.18	< 2	< 1	45	< 0.01	< 20	< 1	< 2	< 10	6	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1429017388	< 2	1.30	7	205	2.17	< 10	< 1	0.24	10	0.75	0.071	0.066	1.67	2	< 1	40	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1429017294	< 2	0.21	9	121	2.12	< 10	< 1	0.16	16	0.88	0.070	0.054	1.18	< 2	< 1	52	< 0.01	< 20	3	< 2	< 10	8	< 10
GC23-0025-001	< 2	2.72	5	58	1.99	< 10	< 1	0.24	10	0.94	0.022	0.037	1.71	< 2	< 1	32	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1429017220	< 2	1.54	7	117	1.97	< 10	< 1	0.30	< 10	0.81	0.044	0.042	1.87	< 2	< 1	32	< 0.01	< 20	< 1	< 2	< 10	6	< 10
GC23-0041-002	< 2	1.47	6	71	2.13	< 10	< 1	0.36	15	1.44	0.035	0.037	1.11	< 2	< 1	45	0.01	< 20	< 1	< 2	< 10	10	< 10
1315019664	< 2	2.01	7	141	1.79	< 10	< 1	0.31	12	0.96	0.153	0.039	0.82	< 2	1	82	0.02	< 20	< 1	< 2	< 10	11	< 10
1315019055	< 2	2.14	8	163	2.22	< 10	< 1	0.28	14	1.75	0.091	0.060	1.00	< 2	2	90	0.04	< 20	< 1	< 2	< 10	17	< 10
1429017462	< 2	0.45	9	96	2.37	< 10	< 1	0.25	15	1.29	0.089	0.065	1.31	< 2	< 1	31	< 0.01	< 20	1	< 2	< 10	10	< 10
1315019039	< 2	2.03	6	147	1.93	< 10	< 1	0.21	11	1.29	0.115	0.037	1.06	< 2	1	95	0.04	< 20	< 1	< 2	< 10	13	< 10
1429017406	< 2	0.78	7	94	1.97	< 10	< 1	0.30	< 10	0.67	0.079	0.050	1.36	< 2	< 1	40	< 0.01	< 20	< 1	< 2	< 10	8	< 10
GC23-0028-008	< 2	1.82	6	127	1.72	< 10	< 1	0.25	14	1.08	0.041	0.037	1.05	2	< 1	37	0.02	< 20	< 1	< 2	< 10	8	< 10
F015344																							
1429028245	< 2	1.87	10	208	2.10	< 10	< 1	0.23	12	0.61	0.085	0.040	1.54	< 2	1	53	< 0.01	< 20	< 1	< 2	< 10	9	< 10
1429029669	< 2	1.32	29	174	7.97	< 10	< 1	0.12	11	2.07	0.058	0.073	4.44	3	9	31	< 0.01	< 20	< 1	< 2	< 10	98	< 10
1429028200	< 2	1.84	11	223	2.58	< 10	< 1	0.17	14	0.69	0.052	0.041	2.10	< 2	< 1	48	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1429029612	< 2	4.27	38	142	7.20	< 10	< 1	0.09	< 10	3.19	0.048	0.038	1.04	4	12	58	< 0.01	< 20	< 1	< 2	< 10	114	< 10
1429029668	< 2	2.51	15	173	4.70	< 10	< 1	0.22	11	1.64	0.064	0.061	2.81	3	4	37	< 0.01	< 20	< 1	< 2	< 10	34	< 10
1429016207	< 2	1.97	14	130	2.17	< 10	< 1	0.14	15	0.90	0.064	0.042	1.40	< 2	< 1	38	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1429028347	< 2	3.15	26	491	4.48	< 10	< 1	0.13	< 10	2.66	0.039	0.033	1.33	4	11	62	< 0.01	< 20	< 1	< 2	< 10	73	< 10
1315020002	< 2	1.27	9	91	2.43	< 10	< 1	0.19	16	1.27	0.055	0.052	1.39	3	< 1	41	< 0.01	< 20	< 1	< 2	< 10	10	< 10
1429029096	< 2	4.04	33	178	8.92	< 10	< 1	0.13	< 10	3.02	0.041	0.031	2.74	3	11	43	< 0.01	< 20	< 1	< 2	< 10	96	< 10
1429029920	< 2	4.32	38	189	7.59	< 10	< 1	0.08	< 10	3.03	0.061	0.032	1.24	3	15	52	< 0.01	< 20	< 1	< 2	< 10	111	< 10
1429028257	< 2	2.61	13	209	3.29	< 10	< 1	0.18	30	1.44	0.065	0.072	2.07	3	3	77	< 0.01	< 20	< 1	< 2	< 10	27	< 10
GC23-0123-002	< 2	0.96	6	130	2.09	< 10	< 1	0.37	15	1.09	0.024	0.039	1.19	2	< 1	37	0.02	< 20	< 1	< 2	< 10	9	< 10
GC23-0086-010	< 2	0.94	8	152	3.23	< 10	< 1	0.26	18	0.57	0.020	0.041	3.02	4	< 1	12	< 0.01	< 20	1	< 2	< 10	6	< 10
GC23-0043-002	< 2	1.01	6	135	1.66	< 10	< 1	0.18	15	0.73	0.145	0.040	0.96	2	< 1	44	< 0.01	< 20	< 1	< 2	< 10	6	< 10
1429028377	< 2	2.48	9	193	2.20	< 10	< 1	0.15	13	0.94	0.057	0.046	0.81	< 2	1	60	< 0.01	< 20	< 1	< 2	< 10	14	< 10
GC23-0099-002	< 2	2.60	5	144	2.64	< 10	< 1	0.24	< 10	0.69	0.035	0.042	1.70	< 2	< 1	33	< 0.01	< 20	< 1	< 2	< 10	8	16
GC23-0124-001	< 2	0.84	12	175	3.87	< 10	< 1	0.55	10	0.57	0.036	0.038	3.67	3	1	35	< 0.01	< 20	2	< 2	< 10	11	< 10
GC23-0120-002	< 2	1.25	10	148	2.78	< 10	< 1	0.41	15	1.22	0.023	0.041	1.87	3	< 1	33	0.02	< 20	2	< 2	< 10	10	< 10
F015356																							
1429033612	< 2	2.30	8	249	2.07	< 10	< 1	0.10	12	0.74	0.091	0.045	1.08	< 2	1	66	< 0.01	< 20	< 1	< 2	< 10	10	< 10
1429033649	< 2	2.81	4	610	1.50	< 10	< 1	0.13	< 10	0.44	0.034	0.026	0.67	3	< 1	36	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1429033191	< 2	1.21	15	133	3.53	< 10	< 1	0.10	12	1.08	0.052	0.049	0.47	2	4	31	< 0.01	< 20	< 1	< 2	< 10	40	< 10
1429033095	2	1.49	8	120	2.39	< 10	< 1	0.37	< 10	0.78	0.057	0.040	2.40	7	< 1	27	< 0.01	< 20	2	< 2	< 10	7	< 10
1429016827	< 2	2.57	11	192	2.19	< 10	< 1	0.20	14	0.84	0.137	0.041	0.73	< 2	1	67	< 0.01	< 20	< 1	< 2	< 10	12	< 10
1429028099	< 2	3.46	23	346	3.84	< 10	< 1	0.18	< 10	2.47	0.033	0.036	1.13	3	8	60	< 0.01	< 20	1	< 2	< 10	50	< 10
1429028021	< 2	3.44	11	276	2.37	< 10	< 1	0.23	< 10	1.07	0.069	0.047	0.55	< 2	1	89	< 0.01	< 20	< 1	< 2	< 10	12	< 10
1429033705	< 2	1.46	13	177	2.90	< 10	< 1	0.22	13	1.01	0.094	0.060	0.09	< 2	2	66	< 0.01	< 20	< 1	< 2	< 10	21	< 10
GC23-0094-002	< 2	1.36	6	130	2.37	< 10	< 1	0.48	17	1.15	0.020	0.039	1.24	2	< 1	27	0.04	< 20	< 1	< 2	< 10	10	< 10
1429033695	< 2	4.12	36	142	8.00	< 10	< 1	0.06	< 10	3.44	0.030	0.043	0.59	3	18	56	< 0.01	< 20	< 1	< 2	< 10	152	< 10
GC23-0039-009FD	< 2	1.34	5	112	2.54	< 10	< 1	0.32	15	1.18	0.023	0.040	1.94	< 2	< 1	43	0.03	< 20	< 1	< 2	< 10	10	< 10
GC23-0069-002	< 2	0.44	6	227	3.96	< 10	< 1	0.30	13	0.57	0.019	0.040	2.98	3	< 1	11	0.04	< 20	< 1	< 2	< 10	8	< 10
1315020034	< 2	1.05	7	224	2.64	< 10	< 1	0.40	13	1.03	0.037	0.041	1.58	3	< 1	25	0.01	< 20	3	< 2	< 10	11	< 10
1429016807	< 2	2.21	7	362	2.07	< 10	< 1	0.22	18	0.73	0.064	0.040	0.56	2	< 1	51	< 0.01	< 20	< 1	< 2	< 10	8	< 10
GC23-0039-002	< 2	1.22	7	380	2.02	< 10	< 1	0.30	16	0.74	0.176	0.041	1.20	3	< 1	52	< 0.01	< 20	2	< 2	< 10	9	< 10
1429033008	< 2	1.13	19	130	4.32	< 10	< 1	0.12	11	1.52	0.056	0.052	0.39	2	7	35	< 0.01	< 20	1	< 2	< 10	65	< 10
1315020212	< 2	0.92	6	265	2.22	< 10	< 1	0.38	15	1.07	0.022	0.038	1.55	3	< 1	34	0.02	< 20	1	< 2	< 10	9	< 10
1429033212	< 2	1.33	8	205	2.07	< 10	< 1	0.20	< 10	0.53	0.029	0.086	1.49	< 2	< 1	24	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1429028233	< 2	2.18	15	389	2.67	< 10	< 1	0.14	12	1.27	0.059	0.045	1.12	2	3	47	< 0.01	< 20	< 1	< 2	< 10	26	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1429028076	< 2	2.94	39	404	5.10	< 10	< 1	0.01	< 10	3.45	0.034	0.023	0.82	4	8	47	0.22	< 20	2	< 2	< 10	82	< 10
GC23-0079-006	< 2	1.17	10	109	2.77	< 10	< 1	0.38	14	0.51	0.026	0.046	2.65	2	< 1	24	< 0.01	< 20	2	< 2	< 10	6	< 10
1429016803	< 2	2.81	9	158	2.47	< 10	< 1	0.16	12	1.05	0.049	0.043	0.51	< 2	1	49	< 0.01	< 20	1	< 2	< 10	11	< 10
1429028012	< 2	3.20	41	424	5.23	< 10	< 1	0.01	< 10	3.51	0.035	0.021	0.88	4	7	50	0.21	< 20	3	< 2	< 10	77	< 10
F015350																							
1429029063	< 2	2.96	34	85	8.00	< 10	< 1	0.13	< 10	1.89	0.066	0.075	3.47	3	8	48	< 0.01	< 20	< 1	< 2	< 10	104	< 10
1429028361	< 2	2.78	12	122	2.84	< 10	< 1	0.23	27	1.33	0.076	0.066	1.81	3	3	90	< 0.01	< 20	2	< 2	< 10	20	< 10
1429028310	< 2	2.25	9	231	2.16	< 10	< 1	0.24	12	0.75	0.083	0.047	1.55	< 2	1	69	< 0.01	< 20	< 1	< 2	< 10	10	< 10
1429016281	< 2	2.72	8	191	2.18	< 10	< 1	0.24	11	1.20	0.112	0.042	0.82	< 2	1	59	< 0.01	< 20	< 1	< 2	< 10	12	< 10
GC23-0108-002	< 2	0.43	7	167	4.11	< 10	< 1	0.40	13	0.71	0.023	0.039	3.24	5	< 1	14	0.02	< 20	< 1	< 2	< 10	9	< 10
GC23-0101-006	< 2	1.25	9	121	2.14	< 10	< 1	0.35	12	0.44	0.026	0.044	2.28	2	< 1	29	< 0.01	< 20	1	< 2	< 10	6	< 10
1429016218	< 2	1.19	8	196	1.98	< 10	< 1	0.19	13	0.83	0.089	0.040	0.28	2	1	51	< 0.01	< 20	< 1	< 2	< 10	12	< 10
GC23-0181-004	< 2	0.56	7	140	3.28	< 10	< 1	0.44	14	0.71	0.019	0.043	2.71	< 2	< 1	16	0.01	< 20	2	< 2	< 10	8	< 10
GC23-0085-002	< 2	1.46	7	210	2.28	< 10	< 1	0.32	12	0.51	0.024	0.045	2.26	2	< 1	32	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1429016284	< 2	1.79	7	215	1.82	< 10	< 1	0.19	13	0.93	0.072	0.041	0.48	2	< 1	32	< 0.01	< 20	3	< 2	< 10	11	< 10
1429028041	< 2	1.99	7	222	1.88	< 10	< 1	0.11	11	0.65	0.053	0.040	0.83	< 2	< 1	37	< 0.01	< 20	< 1	< 2	< 10	11	< 10
1429028145	< 2	1.99	9	439	2.22	< 10	< 1	0.16	10	0.83	0.080	0.039	1.44	3	< 1	50	< 0.01	< 20	4	< 2	< 10	8	< 10
1429028025	< 2	2.23	14	243	3.39	< 10	< 1	0.16	13	0.95	0.065	0.052	3.04	4	1	68	< 0.01	< 20	< 1	< 2	< 10	10	< 10
1429028152	< 2	4.36	35	391	5.58	< 10	< 1	0.07	< 10	3.79	0.025	0.025	0.50	4	16	84	0.10	< 20	< 1	< 2	< 10	104	< 10
GC23-0055-001	< 2	2.31	6	207	1.78	< 10	< 1	0.48	14	1.24	0.043	0.036	0.93	2	< 1	54	0.02	< 20	< 1	< 2	< 10	10	< 10
1429019724	< 2	4.31	36	90	9.04	10	2	0.08	< 10	2.44	0.057	0.055	1.82	4	9	48	0.13	< 20	< 1	< 2	< 10	144	< 10
1429016109	< 2	3.59	37	155	8.79	< 10	1	0.15	< 10	1.70	0.066	0.054	7.10	4	7	37	< 0.01	< 20	4	< 2	< 10	72	< 10
1429019714	< 2	4.31	35	92	7.98	< 10	< 1	0.20	< 10	2.17	0.023	0.060	2.92	4	9	54	0.13	< 20	< 1	< 2	< 10	89	< 10
1429028001	< 2	5.43	22	194	3.63	< 10	< 1	0.38	< 10	3.09	0.029	0.032	0.20	< 2	6	84	0.07	< 20	< 1	< 2	< 10	53	< 10
GC23-0103-006	< 2	1.14	7	206	3.43	< 10	< 1	0.36	14	0.54	0.024	0.041	3.12	3	< 1	17	< 0.01	< 20	< 1	< 2	< 10	7	< 10
F015347																							

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1430037347	9	6	
1429013032	1	8	
1429013040	3	9	
1429013201	1	9	
1429013033	1	8	
1314013005	2	15	
1429013026	1	5	
1430037757	6	3	
1429023027	1	8	11.1
1430037764	8	3	
1316041043	3	20	
1430037394	6	8	
1430037765	6	2	
1429013123	4	9	
1316041077	2	17	
1429013125	3	5	
F014355			5.38
1429012018	5	8	
1429027159	2	14	
GC23-8006-001	1	8	
1429012257	2	7	
GC23-9002-038	1	11	
GC23-9003-002	4	9	
1316042033	2	19	
1429013303	1	9	
1429013248	1	8	
1429012185	5	9	
1429012312	6	4	
1429014002	3	9	
1429027133	2	6	
1316042059	2	23	
1429014004	2	11	
GC238003001	2	14	
1316042011	2	21	
1429027075	11	5	
1429027007	2	9	
1429012307	4	16	
GC238004001	1	9	
GC238008002	1	8	
F014345			
GC23-8013-037	1	7	
GC23-9005-018	2	8	
1429018533	9	7	
1429018017	6	7	
1429027002	2	8	
GC23-9007-001	10	5	
GC23-9007-018	3	2	
1429018471	11	10	
GC23-9012-021	3	9	
1429017001	2	7	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
GC23-8012-011	1	7	
GC23-8011-042	2	8	
GC23-9005-001	3	22	
GC23-8012-029	2	8	
GC23-9002-049	2	11	
1429017824	1	7	
GC23-8001-043	< 1	11	
F014348			
1429017049	1	8	
1429017450	2	9	
GC23-9008-032	1	8	
GC23-0002-011	2	18	
1429017808	2	11	
1429017909	2	13	
GC23-0003-002	1	23	
1429017660	2	10	
1429017842	2	14	
1429017687	1	5	
1429018054	4	11	
1429018086	5	11	
1429027214	2	7	
1429018165	9	7	
1429017682	1	6	
GC23-0017-002	2	14	
GC23-0005-004	2	15	
1316042058	2	24	
F015346			
GC23-0012-009	2	25	
1429018600	7	13	
1429018574	4	12	
1429018615	8	9	
GC23-0016-008	2	17	
GC23-0014-013	2	21	
GC23-9007-057	1	7	
1429017127	1	8	
GC23-0026-003	2	15	
142800113	10	11	
1429018155	6	12	
1429018310	5	8	
1429017117	2	11	
1429018552	3	11	
1429017113	1	10	
GC23-0022-002	2	18	
1315019108	3	20	
1429017522	2	9	
1315019029	3	20	
1429018602	3	11	
1429017138	1	7	
1429017644	2	19	
F015349			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1429017174	1	8	
1429017176	2	8	
1429028273	2	10	
1429028357	2	12	
GC23-0070-013	2	24	
GC23-0033-010	2	22	
1429033085	2	9	
1429033122	2	10	
1429033101	9	6	
1429033155	1	10	
GC23-0054-014	2	14	
GC23-0062-002	2	27	
1315020110	2	25	
GC23-0059-018	2	11	
1315020091	2	24	
1429028358	2	10	
1315020026	3	21	
1315020052	2	25	
1429033178	2	8	
1429033057	1	9	
1429033200	3	11	
1429033056	1	9	
F015348			
1429016180	6	11	
1429029038	6	4	
1429016080	8	5	
1429029632	5	11	
1429016021	8	5	
1429029136	6	6	
1429029636	4	14	
1429016196	9	7	
1315020059	3	17	
1314015002	2	23	
1429029029	4	4	
1315020083	3	21	
1315020107	2	25	
1429019522	7	3	
1429016198	3	10	
1429016172	5	9	
1429016186	9	9	
1429016195	10	5	
1429016068	2	13	
1429016024	5	16	
F015341			
GC23-0031-013	2	18	
142800127	6	16	
1429017524	2	12	
1429017398	2	9	
142800117	4	18	
1315019632	3	18	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1315019002	3	18	
1315019017	3	14	
GC23-0065-008	2	13	
1429017388	1	9	
1429017294	1	8	
GC23-0025-001	2	17	
1429017220	1	9	
GC23-0041-002	2	19	
1315019664	3	14	
1315019055	4	13	
1429017462	2	10	
1315019039	3	16	
1429017406	1	8	
GC23-0028-008	2	20	
F015344			
1429028245	2	9	
1429029669	10	12	
1429028200	3	10	
1429029612	5	4	
1429029668	4	16	
1429016207	3	11	
1429028347	3	13	
1315020002	3	21	
1429029096	4	5	
1429029920	4	4	
1429028257	5	19	
GC23-0123-002	2	24	
GC23-0086-010	2	18	
GC23-0043-002	2	17	
1429028377	3	10	
GC23-0099-002	1	10	
GC23-0124-001	2	21	
GC23-0120-002	3	29	
F015356			
1429033612	2	7	
1429033649	1	4	
1429033191	3	7	
1429033095	2	10	
1429016827	3	8	
1429028099	3	9	
1429028021	3	10	
1429033705	3	8	
GC23-0094-002	2	27	
1429033695	7	6	
GC23-0039-009FD	2	27	
GC23-0069-002	2	34	
1315020034	2	19	
1429016807	2	8	
GC23-0039-002	3	22	
1429033008	4	7	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1315020212	2	25	
1429033212	2	10	
1429028233	3	11	
1429028076	4	4	
GC23-0079-006	1	19	
1429016803	2	7	
1429028012	4	4	
F015350			5.24
1429029063	11	4	
1429028361	4	19	
1429028310	3	15	
1429016281	3	17	
GC23-0108-002	2	32	
GC23-0101-006	1	17	
1429016218	2	10	
GC23-0181-004	2	23	
GC23-0085-002	1	17	
1429016284	3	7	
1429028041	2	7	
1429028145	2	8	
1429028025	3	13	
1429028152	5	4	
GC23-0055-001	2	22	
1429019724	9	4	
1429016109	10	6	
1429019714	9	6	
1429028001	3	6	
GC23-0103-006	1	18	
F015347			

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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							42.0			14.2													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.6			14.2													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.6			14.4													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.0			14.3													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.5			14.2													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							40.2			14.2													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							40.4			14.3													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							40.7			14.3													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							40.8			14.6													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.1			14.7													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							40.5			14.7													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.6			14.6													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.0			14.6													
BaSO4 Cert							41.94			14.0													
BaSO4 Meas							41.8																
BaSO4 Cert							41.94																
BaSO4 Meas							40.7																
BaSO4 Cert							41.94																
BaSO4 Meas							42.1																
BaSO4 Cert							41.94																
BaSO4 Meas							41.5																
BaSO4 Cert							41.94																
RTS-3a Meas							29.7																
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							28.4																
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							29.1																
RTS-3a Cert							29.90																
RTS-3a Meas							29.3																

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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							29.5																
RTS-3a Cert							29.90																
RTS-3a Meas							29.3																
RTS-3a Cert							29.90																
GS311-4 Meas									1.10	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									1.13	0.56													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.13	0.55													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.13	0.54													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.13	0.55													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.11	0.54													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.16	0.56													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.15	0.55													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.15	0.55													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.15	0.52													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.15	0.54													
GS311-4 Cert									1.11	0.54													
GS311-4 Meas									1.15	0.53													
GS311-4 Cert									1.11	0.54													
OREAS 45d (Aqua Regia) Meas													352	395		204	14	31	4.96	10		71	
OREAS 45d (Aqua Regia) Cert													345	400		176	17	30.6	4.86	6.50		80	
OREAS 45d (Aqua Regia) Meas													357	402		206	13	33	5.04	7		74	
OREAS 45d (Aqua Regia) Cert													345	400		176	17	30.6	4.86	6.50		80	
SiO2 Meas							< 0.05		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							0.06		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							0.06		< 0.01	0.03													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	< 0.01													

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	< 0.01													
SiO2 Cert																							
SiO2 Meas							< 0.05		0.01	0.02													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	0.03													
SiO2 Cert																							
SiO2 Meas							< 0.05		< 0.01	0.01													
SiO2 Cert																							
NBM-1 (slight fzz) Meas			8.49																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.62																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.47																				
NBM-1 (slight fzz) Cert			8.53																				
NBM-1 (slight fzz) Meas			8.68																				
NBM-1 (slight fzz) Cert			8.53																				
OREAS 922 (AQUA REGIA) Meas											0.7	< 0.5	2190	735	< 1	33	58	248	2.52	7		72	0.7
OREAS 922 (AQUA REGIA) Cert											0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65
OREAS 922 (AQUA REGIA) Meas											0.7	< 0.5	2200	744	< 1	33	56	247	2.54	5		76	0.7
OREAS 922 (AQUA REGIA) Cert											0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65
OREAS 907 (Aqua Regia) Meas											1.1	< 0.5	6190	331	6	25	33	140	1.12	34		221	1.0
OREAS 907 (Aqua Regia) Cert											1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870
OREAS 238 (Fire Assay) Meas								3060															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3150															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3140															
OREAS 238 (Fire								3030															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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								3180															
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 263 (Aqua Regia) Meas											0.3	< 0.5	89	513	< 1	73	34	128	1.75	30		173	1.3
OREAS 263 (Aqua Regia) Cert											0.285	0.270	87.0	490	0.570	72.0	34.0	127	1.29	30.8		175	1.22
OREAS 263 (Aqua Regia) Meas											0.2	< 0.5	90	516	< 1	74	34	130	1.81	31		180	1.3
OREAS 263 (Aqua Regia) Cert											0.285	0.270	87.0	490	0.570	72.0	34.0	127	1.29	30.8		175	1.22
GS316-3 Meas									0.06	0.33													
GS316-3 Cert									0.0600	0.340													
GS316-3 Meas									0.06	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													
GS316-3 Meas									0.05	0.35													
GS316-3 Cert									0.0600	0.340													
GS316-3 Meas									0.05	0.36													
GS316-3 Cert									0.0600	0.340													
GS316-3 Meas									0.04	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	0.32													
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	0.33													
GS316-3 Cert									0.0600	0.340													
OREAS 130 (Aqua Regia) Meas											5.3	28.0	232	1540	7	35	1210	> 10000	1.12	194			

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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 130 (Aqua Regia) Cert											6.27	28.8	226	1630	8.25	35.2	1300	16900	1.10	205			
OREAS 130 (Aqua Regia) Meas											5.3	28.1	223	1550	7	32	1230	> 10000	1.13	202			
OREAS 130 (Aqua Regia) Cert											6.27	28.8	226	1630	8.25	35.2	1300	16900	1.10	205			
Oreas E1336 (Fire Assay) Meas								506															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								514															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								527															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								501															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								520															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								523															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								504															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								505															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								497															
Oreas E1336 (Fire Assay) Cert								510															
GS317-5 Meas									8.58	15.0													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.58	15.0													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.91	14.8													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.09	15.1													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.24	15.1													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.31	14.7													

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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									8.46	15.5													
GS317-5 Meas									8.13	14.9													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.36	15.1													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.24	15.4													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.45	15.4													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.42	15.3													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.20	15.3													
GS317-5 Cert									8.46	15.5													
GS317-5 Meas									8.17	15.6													
GS317-5 Cert									8.46	15.5													
Oreas 620 (Aqua Regia) Meas											36.9	166	1940	443	9	14	> 5000	> 10000	1.22	49		21	0.6
Oreas 620 (Aqua Regia) Cert											38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6
Oreas 620 (Aqua Regia) Meas											36.2	166	1860	442	9	14	> 5000	> 10000	1.20	48		26	0.6
Oreas 620 (Aqua Regia) Cert											38.4	161	1750	414	9	14	7740	31200	1.12	47		450	0.6
Oreas 610 (Aqua Regia) Meas											47.5	13.5	> 10000	74	5	24	559	1970	1.17	3030			< 0.5
Oreas 610 (Aqua Regia) Cert											48.4	12.3	9720	66	4	24	512	1760	0.847	2810			0.3
OREAS L15 Meas																							
OREAS L15 Cert																							
OREAS L14 Meas								3260															
OREAS L14 Cert								3240.00															
OREAS L16 Meas																							
OREAS L16 Cert																							
1314013005 Orig											1.0	6.1	50	892	< 1	15	43	1530	1.82	52	< 10	39	< 0.5
1314013005 Dup											1.7	5.9	48	881	< 1	13	41	1510	1.75	56	< 10	38	< 0.5
1430037764 Orig							0.58	14	1.93	0.25													
1430037764 Dup							0.60	14	1.92	0.24													
GC23-8006-001 Orig							0.45	109															
GC23-8006-001 Dup							0.41	110															
GC23-9002-038 Orig									0.66	1.94													
GC23-9002-038 Dup									0.65	1.96													
1429013303 Orig											2.2	< 0.5	63	258	2	13	10	90	1.53	41	< 10	42	< 0.5
1429013303 Dup											2.1	< 0.5	62	259	2	13	11	90	1.52	46	< 10	41	< 0.5
1316042059 Orig								385															
1316042059 Dup								425															
1429014004 Orig									0.76	1.30													
1429014004 Dup									0.75	1.26													

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC238003001 Orig							0.23																
GC238003001 Dup							0.23																
GC23-9005-018 Orig								293															
GC23-9005-018 Dup								300															
1429018533 Orig							4.01				1.1	< 0.5	78	1610	< 1	64	3	174	3.04	21	< 10	29	< 0.5
1429018533 Dup							4.36				1.0	0.5	78	1580	< 1	62	4	174	2.96	20	< 10	30	< 0.5
1429018017 Orig									1.68	4.34													
1429018017 Dup									1.68	4.47													
1429018471 Orig	Slight	-16.2		104	0.865	120.25																	
1429018471 Dup	Slight	-15.3		105	0.873	120.25																	
GC23-8012-029 Orig								234	0.95	2.14													
GC23-8012-029 Dup								203	0.96	2.11													
1429017824 Orig							0.67																
1429017824 Dup							0.67																
1429017909 Orig											2.4	2.2	109	1120	< 1	15	199	552	1.10	46	< 10	40	< 0.5
1429017909 Dup											2.3	2.2	111	1110	< 1	15	202	575	1.10	50	< 10	41	< 0.5
1429017660 Orig							0.50		0.11	1.27													
1429017660 Dup							0.51		0.11	1.29													
1429017842 Orig								88															
1429017842 Dup								87															
1429017682 Orig			9.21																				
1429017682 Dup			9.12																				
1316042058 Orig									0.30	2.01													
1316042058 Dup									0.30	2.04													
GC23-0012-009 Orig											1.6	18.0	116	545	< 1	9	36	4620	1.95	48	< 10	40	< 0.5
GC23-0012-009 Dup											2.1	17.9	108	537	< 1	10	34	4580	1.92	48	< 10	40	< 0.5
1429018574 Orig							0.91	233															
1429018574 Dup							0.92	238															
1429018155 Orig									1.57	2.24													
1429018155 Dup									1.55	2.30													
1429018310 Orig							5.43				2.4	8.8	184	2470	< 1	64	< 2	2220	2.21	97	< 10	38	< 0.5
1429018310 Dup							5.37				2.3	8.0	185	2440	< 1	62	< 2	2160	2.21	98	< 10	39	< 0.5
1429017117 Orig								206															
1429017117 Dup								233															
1315019029 Orig	None	-13.9		13.6	0.494	27.47																	
1315019029 Dup	None	-14.2		13.3	0.482	27.47																	
1429017138 Orig									0.80	2.09													
1429017138 Dup									0.80	2.11													
1429017174 Orig								164															
1429017174 Dup								188															
1429028273 Orig							0.43				0.2	< 0.5	75	274	< 1	17	< 2	19	1.22	3	< 10	42	< 0.5
1429028273 Dup							0.43				0.2	< 0.5	73	270	1	19	< 2	19	1.20	2	< 10	41	< 0.5
1429033155 Orig									0.27	2.30													

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1429033155 Dup									0.26	2.33													
GC23-0062-002 Orig							0.92	224															
GC23-0062-002 Dup							0.91	259															
1429033178 Orig											3.8	0.8	31	944	< 1	15	93	240	1.06	142	< 10	46	< 0.5
1429033178 Dup											2.9	0.8	28	906	< 1	14	87	235	0.98	138	< 10	44	< 0.5
1429033057 Orig									0.47	1.74													
1429033057 Dup									0.47	1.74													
1429016180 Orig								103															
1429016180 Dup								98															
1429016080 Orig							7.08																
1429016080 Dup							7.55																
1315020059 Orig									0.33	1.48													
1315020059 Dup									0.33	1.48													
1314015002 Orig											1.8	12.0	121	1020	2	16	39	2620	1.38	74	< 10	34	< 0.5
1314015002 Dup											1.6	11.8	127	1020	3	15	39	2600	1.38	74	< 10	33	< 0.5
1315020083 Orig							0.72																
1315020083 Dup							0.69																
1429019522 Orig								170															
1429019522 Dup								174															
1429016068 Orig									1.36	1.66													
1429016068 Dup									1.36	1.69													
GC23-0031-013 Orig	None	-16.2		16.8	0.510	33.04																	
GC23-0031-013 Dup	None	-15.7		17.3	0.523	33.04																	
142800127 Orig											0.8	< 0.5	76	873	2	35	2	114	2.64	9	< 10	51	< 0.5
142800127 Dup											0.9	< 0.5	73	852	2	34	< 2	109	2.60	9	< 10	47	< 0.5
1429017524 Orig			8.76																				
1429017524 Dup			8.72																				
142800117 Orig							0.82																
142800117 Dup							0.79																
1315019632 Orig								450															
1315019632 Dup								473															
1429017388 Orig									0.64	1.53													
1429017388 Dup									0.64	1.58													
GC23-0041-002 Orig							0.61																
GC23-0041-002 Dup							0.61																
1315019055 Orig								187															
1315019055 Dup								166															
1429017406 Orig											1.6	0.7	81	1650	3	9	41	239	1.80	32	< 10	60	< 0.5
1429017406 Dup											1.6	0.7	82	1600	3	9	41	234	1.75	34	< 10	59	< 0.5
GC23-0028-008 Orig									0.37	0.90													
GC23-0028-008 Dup									0.38	0.94													
1429016207 Orig								110															
1429016207 Dup								102															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1429028347 Orig							0.94																
1429028347 Dup							0.96																
1429028257 Orig									1.01	2.12													
1429028257 Dup									1.02	2.13													
GC23-0099-002 Orig							0.72																
GC23-0099-002 Dup							0.75																
GC23-0124-001 Orig								106															
GC23-0124-001 Dup								117															
1429033191 Orig									0.50	0.46	< 0.2	< 0.5	50	867	1	25	< 2	42	1.61	5	< 10	34	< 0.5
1429033191 Dup									0.51	0.50	< 0.2	< 0.5	53	890	1	26	< 2	43	1.67	4	< 10	34	< 0.5
GC23-0094-002 Orig	Slight	-0.0117		31.9	1.000	31.88																	
GC23-0094-002 Dup	Slight	0.175		32.1	1.01	31.88																	
1429033695 Orig								33															
1429033695 Dup								30															
GC23-0039-009FD Orig							1.06				1.2	18.3	113	918	< 1	9	22	4070	1.72	64	< 10	33	< 0.5
GC23-0039-009FD Dup							1.05				1.3	17.9	119	907	< 1	10	21	4040	1.72	60	< 10	34	< 0.5
1429016807 Orig									1.17	0.55													
1429016807 Dup									1.16	0.53													
1429028076 Orig							0.64																
1429028076 Dup							0.61																
1429029063 Orig									1.46	3.82													
1429029063 Dup									1.45	3.84													
1429028361 Orig											0.3	< 0.5	87	386	3	24	4	33	1.48	6	< 10	58	< 0.5
1429028361 Dup											0.3	< 0.5	90	384	3	24	4	32	1.45	6	< 10	59	< 0.5
1429016284 Orig							0.37																
1429016284 Dup							0.37																
1429028145 Orig			9.43					46	1.07	1.50													
1429028145 Dup			9.44					48	1.06	1.49													
1429028025 Orig									0.91	2.87													
1429028025 Dup									0.93	3.03													
1429028001 Orig		170		172	110	1.56	0.52																
1429028001 Dup		167		168	108	1.56	0.54																
GC23-0103-006 Orig	Slight	-52.2	8.66	27.7	0.346	79.84					0.5	11.9	52	638	< 1	15	16	2980	1.31	137	< 10	39	< 0.5
GC23-0103-006 Dup	Slight	-48.9	8.70	31.0	0.388	79.84					0.5	12.0	54	639	1	15	16	2990	1.31	134	< 10	37	< 0.5
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								5															
Method Blank								5															
Method Blank								< 5															
Method Blank								< 5															

Analyte Symbol	Fizz Rating	NNP	Paste pH	Modified-NP	NPR	AP (Sulphide)	SO4	Au	C-Total	Total S	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be
Unit Symbol	-	-	pH	kg CaCO3/t	Ratio	kg CaCO3/t	%	ppb	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit			0.01			0.31	0.05	5	0.01	0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5
Method Code	none	Calc	pH Meter	TITR	Calc	Calc	SO4	FA-AA	CS	CS	AR-ICP	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															
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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	< 10	< 10	< 0.5
Method Blank											< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5
Method Blank											< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5
Method Blank											< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5
Method Blank											< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5
Method Blank																							
Method Blank																							
Method Blank								< 5															
Method Blank								< 5															

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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RTS-3a Meas																							
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RTS-3a Meas																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
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GS311-4 Cert																							
OREAS 45d (Aqua Regia) Meas	< 2	0.09	24	442	12.6	20		0.10	< 10	0.16	0.035	0.034	0.04		40	12		< 20			< 10	173	
OREAS 45d (Aqua Regia) Cert	0.30	0.09	26.2	467	13.7	17.9		0.097	10.0	0.144	0.031	0.035	0.045		41.50	11.0		11.3			1.64	201	
OREAS 45d (Aqua Regia) Meas	< 2	0.09	24	448	12.7	20		0.10	< 10	0.16	0.038	0.034	0.04		40	12		< 20			< 10	174	
OREAS 45d (Aqua Regia) Cert	0.30	0.09	26.2	467	13.7	17.9		0.097	10.0	0.144	0.031	0.035	0.045		41.50	11.0		11.3			1.64	201	
SiO2 Meas																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
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SiO2 Meas																							
SiO2 Cert																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
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																							
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NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	6	0.40	18	42	4.82	< 10		0.39	33	1.30	0.025	0.066	0.37	2	3	15		< 20		< 2	< 10	30	< 10
OREAS 922 (AQUA REGIA) Cert	10.3	0.324	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		14.5		0.14	1.98	29.4	1.12
OREAS 922 (AQUA REGIA) Meas	5	0.40	18	43	4.74	< 10		0.40	33	1.28	0.029	0.062	0.36	< 2	4	15		< 20		< 2	< 10	31	< 10
OREAS 922 (AQUA REGIA) Cert	10.3	0.324	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		14.5		0.14	1.98	29.4	1.12
OREAS 907 (Aqua Regia) Meas	17	0.28	43	52	7.56	20		0.31	34	0.22	0.091	0.025	0.06	5	2	12	0.02	< 20	< 1	< 2	< 10	5	< 10
OREAS 907 (Aqua Regia) Cert	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980
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																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 263 (Aqua Regia) Meas	< 2	1.07	31	59	3.69	< 10	< 1	0.34		0.61	0.080	0.045	0.12	9	4	17		< 20	< 1	< 2	< 10	26	
OREAS 263 (Aqua Regia) Cert	0.570	1.03	31.0	48.0	3.68	4.92	0.170	0.288		0.593	0.0790	0.0410	0.126	7.37	3.52	16.9		10.6	0.210	0.530	1.28	22.8	
OREAS 263 (Aqua Regia) Meas	< 2	1.08	32	56	3.70	< 10	< 1	0.36		0.62	0.081	0.045	0.12	8	4	18		< 20	< 1	< 2	< 10	26	
OREAS 263 (Aqua Regia) Cert	0.570	1.03	31.0	48.0	3.68	4.92	0.170	0.288		0.593	0.0790	0.0410	0.126	7.37	3.52	16.9		10.6	0.210	0.530	1.28	22.8	
GS316-3 Meas																							
GS316-3 Cert																							
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OREAS 130 (Aqua Regia) Meas	< 2	1.70	25	26	6.81	< 10	1	0.48	22	0.91		0.089	6.20	5	3	19	0.03	< 20	2	2	< 10	33	18
OREAS 130 (Aqua Regia) Cert	3.05	1.81	27.1	23.2	7.27	4.78	0.670	0.500	26.4	0.892		0.0860	6.02	4.69	3.42	23.2	0.0270	10.3	0.170	5.92	8.36	33.1	1.40
OREAS 130 (Aqua Regia) Meas	< 2	1.69	25	23	6.64	< 10	2	0.48	21	0.89		0.085	6.09	5	3	19	0.03	< 20	6	< 2	< 10	33	15
OREAS 130 (Aqua Regia) Cert	3.05	1.81	27.1	23.2	7.27	4.78	0.670	0.500	26.4	0.892		0.0860	6.02	4.69	3.42	23.2	0.0270	10.3	0.170	5.92	8.36	33.1	1.40
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
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GS317-5 Meas																							
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GS317-5 Meas																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas	< 2	1.34	13	18	2.70	< 10	2	0.30	25	0.28	0.106	0.034	2.67	63		19		< 20		< 2	< 10	8	< 10
Oreas 620 (Aqua Regia) Cert	2	1.29	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20		7		0.5	2.2	7	0.79
Oreas 620 (Aqua Regia) Meas	< 2	1.35	13	17	2.64	< 10	2	0.29	24	0.27	0.107	0.033	2.62	66		19		< 20		< 2	< 10	8	< 10
Oreas 620 (Aqua Regia) Cert	2	1.29	12	17	2.58	6	2	0.31	25	0.27	0.117	0.031	2.47	62		20		7		0.5	2.2	7	0.79
Oreas 610 (Aqua Regia) Meas	215	0.14	8	38	2.27	< 10	< 1	0.27	< 10	0.12	0.051	0.031	2.97	259	< 1	43		< 20	43	< 2	< 10	13	< 10
Oreas 610 (Aqua Regia) Cert	220	0.12	8	33	2.27	6	0.8	0.21	6.7	0.11	0.049	0.025	2.65	265	0.8	39		3	42	1	1.1	12	3.6
OREAS L15 Meas																							
OREAS L15 Cert																							
OREAS L14 Meas																							
OREAS L14 Cert																							
OREAS L16 Meas																							
OREAS L16 Cert																							
1314013005 Orig	< 2	0.88	7	120	3.33	< 10	< 1	0.25	11	1.45	0.022	0.041	1.97	3	< 1	22	< 0.01	< 20	2	< 2	< 10	9	< 10
1314013005 Dup	< 2	0.87	7	119	3.23	< 10	< 1	0.24	11	1.41	0.022	0.041	1.89	< 2	< 1	21	< 0.01	< 20	< 1	< 2	< 10	9	< 10
1430037764 Orig																							
1430037764 Dup																							
GC23-8006-001 Orig																							
GC23-8006-001 Dup																							
GC23-9002-038 Orig																							
GC23-9002-038 Dup																							
1429013303 Orig	< 2	0.93	8	115	2.14	< 10	< 1	0.13	< 10	1.10	0.067	0.046	2.06	4	< 1	42	< 0.01	< 20	2	< 2	< 10	7	< 10
1429013303 Dup	< 2	0.94	8	118	2.18	< 10	< 1	0.13	< 10	1.10	0.068	0.045	2.04	4	< 1	41	< 0.01	< 20	2	< 2	< 10	7	< 10
1316042059 Orig																							
1316042059 Dup																							
1429014004 Orig																							
1429014004 Dup																							
GC238003001 Orig																							
GC238003001 Dup																							
GC23-9005-018 Orig																							
GC23-9005-018 Dup																							
1429018533 Orig	< 2	3.64	35	108	9.25	10	< 1	0.22	< 10	2.76	0.119	0.067	4.38	4	12	65	0.13	< 20	3	< 2	< 10	166	< 10
1429018533 Dup	< 2	3.59	35	109	8.93	10	< 1	0.21	< 10	2.69	0.113	0.064	4.25	4	11	64	0.12	< 20	< 1	< 2	< 10	164	< 10
1429018017 Orig																							
1429018017 Dup																							
1429018471 Orig																							
1429018471 Dup																							
GC23-8012-029 Orig																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
GC23-8012-029 Dup																							
1429017824 Orig																							
1429017824 Dup																							
1429017909 Orig	< 2	1.75	8	159	2.29	< 10	< 1	0.25	< 10	0.90	0.042	0.045	2.25	5	< 1	27	< 0.01	< 20	2	< 2	< 10	8	< 10
1429017909 Dup	< 2	1.74	8	159	2.25	< 10	< 1	0.25	< 10	0.89	0.042	0.045	2.17	5	< 1	27	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1429017660 Orig																							
1429017660 Dup																							
1429017842 Orig																							
1429017842 Dup																							
1429017682 Orig																							
1429017682 Dup																							
1316042058 Orig																							
1316042058 Dup																							
GC23-0012-009 Orig	< 2	0.94	7	99	2.28	< 10	< 1	0.45	16	0.97	0.028	0.040	1.96	3	< 1	52	0.03	< 20	< 1	< 2	< 10	10	< 10
GC23-0012-009 Dup	< 2	0.92	7	99	2.26	< 10	< 1	0.45	16	0.95	0.029	0.041	1.91	3	< 1	51	0.03	< 20	< 1	< 2	< 10	10	< 10
1429018574 Orig																							
1429018574 Dup																							
1429018155 Orig																							
1429018155 Dup																							
1429018310 Orig	< 2	3.29	36	109	9.40	< 10	1	0.18	< 10	2.31	0.026	0.063	5.05	4	9	54	0.10	< 20	10	< 2	< 10	84	< 10
1429018310 Dup	< 2	3.27	35	111	9.41	< 10	1	0.18	< 10	2.30	0.027	0.063	5.11	4	9	54	0.10	< 20	2	< 2	< 10	85	< 10
1429017117 Orig																							
1429017117 Dup																							
1315019029 Orig																							
1315019029 Dup																							
1429017138 Orig																							
1429017138 Dup																							
1429017174 Orig																							
1429017174 Dup																							
1429028273 Orig	< 2	2.09	8	188	2.12	< 10	< 1	0.12	14	0.82	0.061	0.047	1.14	< 2	1	43	< 0.01	< 20	< 1	< 2	< 10	12	< 10
1429028273 Dup	< 2	2.05	8	184	2.07	< 10	< 1	0.12	14	0.80	0.060	0.046	1.09	< 2	1	43	< 0.01	< 20	< 1	< 2	< 10	12	< 10
1429033155 Orig																							
1429033155 Dup																							
GC23-0062-002 Orig																							
GC23-0062-002 Dup																							
1429033178 Orig	< 2	1.48	7	155	1.94	< 10	< 1	0.24	10	0.70	0.051	0.044	1.79	4	< 1	40	< 0.01	< 20	1	< 2	< 10	5	< 10
1429033178 Dup	< 2	1.42	7	148	1.86	< 10	< 1	0.22	< 10	0.67	0.048	0.042	1.70	4	< 1	37	< 0.01	< 20	< 1	< 2	< 10	5	< 10
1429033057 Orig																							
1429033057 Dup																							
1429016180 Orig																							
1429016180 Dup																							
1429016080 Orig																							
1429016080 Dup																							
1315020059 Orig																							
1315020059 Dup																							
1314015002 Orig	< 2	1.39	7	216	2.64	< 10	< 1	0.34	13	1.03	0.023	0.039	1.79	4	< 1	26	0.02	< 20	2	< 2	< 10	8	< 10
1314015002 Dup	< 2	1.37	7	214	2.63	< 10	< 1	0.34	13	1.03	0.023	0.037	1.76	4	< 1	26	0.02	< 20	3	< 2	< 10	8	< 10

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
1315020083 Orig																							
1315020083 Dup																							
1429019522 Orig																							
1429019522 Dup																							
1429016068 Orig																							
1429016068 Dup																							
GC23-0031-013 Orig																							
GC23-0031-013 Dup																							
142800127 Orig	< 2	2.93	18	184	4.74	< 10	< 1	0.17	< 10	1.52	0.221	0.048	3.16	3	4	75	0.03	< 20	< 1	< 2	< 10	45	< 10
142800127 Dup	< 2	2.88	17	180	4.65	< 10	< 1	0.16	< 10	1.48	0.221	0.048	3.10	2	4	73	0.04	< 20	< 1	< 2	< 10	44	< 10
1429017524 Orig																							
1429017524 Dup																							
142800117 Orig																							
142800117 Dup																							
1315019632 Orig																							
1315019632 Dup																							
1429017388 Orig																							
1429017388 Dup																							
GC23-0041-002 Orig																							
GC23-0041-002 Dup																							
1315019055 Orig																							
1315019055 Dup																							
1429017406 Orig	< 2	0.78	7	94	1.97	< 10	< 1	0.30	< 10	0.67	0.079	0.050	1.36	< 2	< 1	40	< 0.01	< 20	< 1	< 2	< 10	8	< 10
1429017406 Dup	< 2	0.76	7	84	1.93	< 10	< 1	0.30	< 10	0.65	0.079	0.048	1.31	< 2	< 1	39	< 0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-0028-008 Orig																							
GC23-0028-008 Dup																							
1429016207 Orig																							
1429016207 Dup																							
1429028347 Orig																							
1429028347 Dup																							
1429028257 Orig																							
1429028257 Dup																							
GC23-0099-002 Orig																							
GC23-0099-002 Dup																							
GC23-0124-001 Orig																							
GC23-0124-001 Dup																							
1429033191 Orig	< 2	1.21	15	133	3.53	< 10	< 1	0.10	12	1.08	0.052	0.049	0.47	2	4	31	< 0.01	< 20	< 1	< 2	< 10	40	< 10
1429033191 Dup	< 2	1.23	15	128	3.65	< 10	< 1	0.10	12	1.10	0.053	0.050	0.50	< 2	4	32	< 0.01	< 20	< 1	< 2	< 10	40	< 10
GC23-0094-002 Orig																							
GC23-0094-002 Dup																							
1429033695 Orig																							
1429033695 Dup																							

Analyte Symbol	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	0.01	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10
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	AR-ICP
GC23-0039-009FD Orig	< 2	1.34	5	112	2.54	< 10	< 1	0.32	15	1.18	0.023	0.040	1.94	< 2	< 1	43	0.03	< 20	< 1	< 2	< 10	10	< 10
GC23-0039-009FD Dup	< 2	1.33	5	115	2.52	< 10	< 1	0.33	14	1.17	0.024	0.041	1.88	< 2	< 1	42	0.03	< 20	2	< 2	< 10	10	< 10
1429016807 Orig																							
1429016807 Dup																							
1429028076 Orig																							
1429028076 Dup																							
1429029063 Orig																							
1429029063 Dup																							
1429028361 Orig	< 2	2.78	12	122	2.84	< 10	< 1	0.23	27	1.33	0.076	0.066	1.81	3	3	90	< 0.01	< 20	2	< 2	< 10	20	< 10
1429028361 Dup	< 2	2.77	12	122	2.80	< 10	< 1	0.23	27	1.32	0.076	0.065	1.75	< 2	3	90	< 0.01	< 20	2	< 2	< 10	20	< 10
1429016284 Orig																							
1429016284 Dup																							
1429028145 Orig																							
1429028145 Dup																							
1429028025 Orig																							
1429028025 Dup																							
1429028001 Orig																							
1429028001 Dup																							
GC23-0103-006 Orig	< 2	1.14	7	206	3.43	< 10	< 1	0.36	14	0.54	0.024	0.041	3.12	3	< 1	17	< 0.01	< 20	< 1	< 2	< 10	7	< 10
GC23-0103-006 Dup	< 2	1.14	7	204	3.48	< 10	< 1	0.36	14	0.55	0.024	0.041	3.07	3	< 1	17	< 0.01	< 20	3	< 2	< 10	7	< 10
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	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10
Method Blank	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10
Method Blank	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10
Method Blank	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10
Method Blank	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	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			
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			
RTS-3a Meas			
RTS-3a Cert			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	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			
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			
GS311-4 Meas			
GS311-4 Cert			
GS311-4 Meas			
GS311-4 Cert			
OREAS 45d (Aqua Regia) Meas	4		
OREAS 45d (Aqua Regia) Cert	5.08		
OREAS 45d (Aqua Regia) Meas	4		
OREAS 45d (Aqua Regia) Cert	5.08		
SiO2 Meas			
SiO2 Cert			
SiO2 Meas			
SiO2 Cert			
SiO2 Meas			
SiO2 Cert			
SiO2 Meas			
SiO2 Cert			
SiO2 Meas			
SiO2 Cert			
SiO2 Meas			
SiO2 Cert			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
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			
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	17	21	
OREAS 922 (AQUA REGIA) Cert	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	18	24	
OREAS 922 (AQUA REGIA) Cert	16.0	22.3	
OREAS 907 (Aqua Regia) Meas	6	36	
OREAS 907 (Aqua Regia) Cert	6.52	43.7	
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	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
OREAS 238 (Fire Assay) Meas			
OREAS 238 (Fire Assay) Cert			
OREAS 238 (Fire Assay) Meas			
OREAS 238 (Fire Assay) Cert			
OREAS 263 (Aqua Regia) Meas	11		
OREAS 263 (Aqua Regia) Cert	12.0		
OREAS 263 (Aqua Regia) Meas	12		
OREAS 263 (Aqua Regia) Cert	12.0		
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			
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 130 (Aqua Regia) Meas	11	25	
OREAS 130 (Aqua Regia) Cert	13.0	19.0	
OREAS 130 (Aqua Regia) Meas	11	25	
OREAS 130 (Aqua Regia) Cert	13.0	19.0	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
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			
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			
GS317-5 Meas			
GS317-5 Cert			
GS317-5 Meas			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	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	7	61	
Oreas 620 (Aqua Regia) Cert	7	57	
Oreas 620 (Aqua Regia) Meas	7	64	
Oreas 620 (Aqua Regia) Cert	7	57	
Oreas 610 (Aqua Regia) Meas	3	14	
Oreas 610 (Aqua Regia) Cert	3	11	
OREAS L15 Meas			7.14
OREAS L15 Cert			7.18
OREAS L14 Meas			
OREAS L14 Cert			
OREAS L16 Meas			12.5
OREAS L16 Cert			12.97
1314013005 Orig	2	15	
1314013005 Dup	2	14	
1430037764 Orig			
1430037764 Dup			
GC23-8006-001 Orig			
GC23-8006-001 Dup			
GC23-9002-038 Orig			
GC23-9002-038 Dup			
1429013303 Orig	1	9	
1429013303 Dup	1	9	
1316042059 Orig			
1316042059 Dup			
1429014004 Orig			
1429014004 Dup			
GC238003001 Orig			
GC238003001 Dup			
GC23-9005-018 Orig			
GC23-9005-018 Dup			
1429018533 Orig	9	7	
1429018533 Dup	9	7	
1429018017 Orig			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1429018017 Dup			
1429018471 Orig			
1429018471 Dup			
GC23-8012-029 Orig			
GC23-8012-029 Dup			
1429017824 Orig			
1429017824 Dup			
1429017909 Orig	2	13	
1429017909 Dup	2	13	
1429017660 Orig			
1429017660 Dup			
1429017842 Orig			
1429017842 Dup			
1429017682 Orig			
1429017682 Dup			
1316042058 Orig			
1316042058 Dup			
GC23-0012-009 Orig	2	25	
GC23-0012-009 Dup	2	25	
1429018574 Orig			
1429018574 Dup			
1429018155 Orig			
1429018155 Dup			
1429018310 Orig	5	8	
1429018310 Dup	5	8	
1429017117 Orig			
1429017117 Dup			
1315019029 Orig			
1315019029 Dup			
1429017138 Orig			
1429017138 Dup			
1429017174 Orig			
1429017174 Dup			
1429028273 Orig	2	10	
1429028273 Dup	2	9	
1429033155 Orig			
1429033155 Dup			
GC23-0062-002 Orig			
GC23-0062-002 Dup			
1429033178 Orig	2	8	
1429033178 Dup	1	8	
1429033057 Orig			
1429033057 Dup			
1429016180 Orig			
1429016180 Dup			
1429016080 Orig			

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
1429016080 Dup			
1315020059 Orig			
1315020059 Dup			
1314015002 Orig	2	23	
1314015002 Dup	2	23	
1315020083 Orig			
1315020083 Dup			
1429019522 Orig			
1429019522 Dup			
1429016068 Orig			
1429016068 Dup			
GC23-0031-013 Orig			
GC23-0031-013 Dup			
142800127 Orig	6	16	
142800127 Dup	6	15	
1429017524 Orig			
1429017524 Dup			
142800117 Orig			
142800117 Dup			
1315019632 Orig			
1315019632 Dup			
1429017388 Orig			
1429017388 Dup			
GC23-0041-002 Orig			
GC23-0041-002 Dup			
1315019055 Orig			
1315019055 Dup			
1429017406 Orig	1	8	
1429017406 Dup	1	8	
GC23-0028-008 Orig			
GC23-0028-008 Dup			
1429016207 Orig			
1429016207 Dup			
1429028347 Orig			
1429028347 Dup			
1429028257 Orig			
1429028257 Dup			
GC23-0099-002 Orig			
GC23-0099-002 Dup			
GC23-0124-001 Orig			
GC23-0124-001 Dup			
1429033191 Orig	3	7	
1429033191 Dup	3	7	

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
GC23-0094-002 Orig			
GC23-0094-002 Dup			
1429033695 Orig			
1429033695 Dup			
GC23-0039-009FD Orig	2	27	
GC23-0039-009FD Dup	2	26	
1429016807 Orig			
1429016807 Dup			
1429028076 Orig			
1429028076 Dup			
1429029063 Orig			
1429029063 Dup			
1429028361 Orig	4	19	
1429028361 Dup	4	18	
1429016284 Orig			
1429016284 Dup			
1429028145 Orig			
1429028145 Dup			
1429028025 Orig			
1429028025 Dup			
1429028001 Orig			
1429028001 Dup			
GC23-0103-006 Orig	1	18	
GC23-0103-006 Dup	1	18	
Method Blank			
Method Blank			
Method Blank			
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Method Blank	< 1	< 1	
Method Blank	< 1	< 1	
Method Blank			< 0.02
Method Blank			< 0.02

Analyte Symbol	Y	Zr	Au
Unit Symbol	ppm	ppm	g/tonne
Lower Limit	1	1	0.02
Method Code	AR-ICP	AR-ICP	FA-GRA
Method Blank			
Method Blank			

Report No.: **A23-08039**
Report Date: **21-Jul-23**
Date Submitted: **13-Jun-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

212 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-06-30 11:48:36
4F-C, S	Infrared	2023-07-04 21:50:23

REPORT **A23-08039**

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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 samples 1430025300, 1429002088, and 1316038625.

Refer to the Scope of Accreditation for information on accredited elements.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A23-08039**
Report Date: **21-Jul-23**
Date Submitted: **13-Jun-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

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)	2023-06-21 15:24:54
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2023-06-23 16:35:53
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2023-06-28 22:26:58

REPORT **A23-08039**

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Notes:

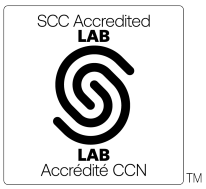
11-ABA Modified Sobek Package carried out as per Canadian Mine Environment Neutral Drainage [MEND]. (1991). Acid Rock Drainage Prediction Manual. (MEND Project 1.16.1b., Section 6.2.3.). For results that are less than the detection limit, a value of half the detection limit is used for any corresponding 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 samples 1430025300, 1429002088, and 1316038625.

Refer to the Scope of Accreditation for information on accredited elements.



LabID: 673

ACTIVATION LABORATORIES LTD.
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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
1308002024	177	Slight	-23.8	8.87	10.5	0.306	34.23	0.40	< 0.2	< 0.5	134	278	2	8	< 2	26	2.76	4	< 10	30	< 0.5	6	1.07
1308002040	146	Slight	-70.9	8.79	11.2	0.137	82.10	0.93	< 0.2	< 0.5	40	376	< 1	7	3	50	2.38	9	< 10	17	< 0.5	< 2	0.71
1308002004	113	Slight	-30.7	9.02	11.0	0.264	41.66	0.37	< 0.2	< 0.5	78	271	< 1	6	2	33	1.94	6	< 10	29	< 0.5	3	0.80
1308002117	444	Slight	-43.7	8.68	9.23	0.174	52.89	0.47	0.3	< 0.5	155	162	2	11	< 2	18	3.10	6	< 10	23	< 0.5	2	1.64
1308002081	> 5000	Slight	-36.5	8.69	15.7	0.301	52.23	0.79	0.7	< 0.5	27	602	< 1	8	16	180	1.62	26	< 10	41	< 0.5	< 2	0.19
1308002038	147	None	-25.4	8.95	9.98	0.282	35.39	0.51	< 0.2	< 0.5	19	377	2	6	< 2	46	2.75	5	< 10	34	< 0.5	3	0.48
1430019808	89	None	-24.8	6.44	1.99	0.0745	26.74	0.50	0.6	< 0.5	11	297	< 1	4	8	89	0.77	12	< 10	26	< 0.5	< 2	0.09
1431091015	41	Slight	119	9.06	140	6.47	21.72	1.01	0.5	1.5	126	1880	< 1	115	3	382	3.70	14	< 10	19	< 0.5	3	4.43
1431043115	73	Slight	-12.3	9.23	29.7	0.707	42.04	0.55	0.6	0.7	66	505	3	16	7	203	2.26	31	< 10	27	< 0.5	< 2	1.77
1308002086	555	Slight	-21.3	9.07	10.7	0.335	31.99	0.29	0.2	< 0.5	206	186	< 1	6	< 2	21	2.92	< 2	< 10	25	< 0.5	< 2	1.56
1308002071	717	None	-18.6	8.81	8.74	0.320	27.34	0.34	0.3	< 0.5	200	175	< 1	5	< 2	19	2.54	5	< 10	27	< 0.5	2	1.09
1308002151	394	None	-22.2	8.92	7.97	0.264	30.19	0.36	0.4	< 0.5	158	227	3	9	2	26	3.17	8	< 10	32	< 0.5	< 2	1.55
1308002154	331	Slight	1.24	9.02	33.2	1.04	31.98	0.46	< 0.2	< 0.5	125	240	< 1	15	4	24	2.93	3	< 10	33	< 0.5	< 2	1.66
1308002178	1290	Slight	-33.4	8.82	6.48	0.163	39.87	0.40	0.4	< 0.5	170	195	< 1	9	< 2	18	2.81	6	< 10	32	< 0.5	< 2	1.36
1316036002	170	Slight	1.93	9.10	25.9	1.08	23.95	0.44	< 0.2	1.3	39	569	1	12	25	378	2.22	44	< 10	44	< 0.5	< 2	1.57
F014463	1870																						
F014456	1860																						
1316036015	130	Slight	-15.3	9.05	9.15	0.375	24.42	0.34	0.2	< 0.5	29	416	< 1	11	11	114	2.11	30	< 10	32	< 0.5	< 2	0.70
1316036028	190	Slight	2.84	9.03	24.7	1.13	21.84	0.36	0.4	< 0.5	38	724	< 1	14	23	141	2.94	28	< 10	33	< 0.5	< 2	1.86
1316035054	270	Slight	15.0	9.34	41.9	1.56	26.90	0.45	0.4	< 0.5	17	799	< 1	8	22	113	2.15	66	< 10	32	< 0.5	< 2	2.16
1316035033	124	Slight	-1.22	9.09	31.2	0.962	32.39	0.54	0.3	< 0.5	22	844	1	9	67	170	3.34	32	< 10	33	< 0.5	< 2	1.89
1316034080	125	Slight	3.99	9.11	26.0	1.18	21.97	0.37	0.3	< 0.5	20	613	< 1	11	31	140	2.97	26	< 10	30	< 0.5	< 2	1.90
1316035047	327	Slight	9.62	9.27	41.7	1.30	32.08	0.50	0.7	< 0.5	19	929	< 1	5	41	98	1.39	82	< 10	31	< 0.5	< 2	1.96
1316034069	83	Slight	-19.0	9.01	27.7	0.594	46.71	0.53	0.3	< 0.5	12	627	< 1	11	42	129	2.26	30	< 10	29	< 0.5	< 2	1.73
1316034010	158	Slight	-1.44	9.25	17.7	0.925	19.13	0.33	< 0.2	< 0.5	15	611	< 1	6	26	86	2.45	35	< 10	40	< 0.5	< 2	1.55
1316034040	141	Slight	-15.1	9.33	27.4	0.644	42.50	0.53	0.2	< 0.5	17	682	< 1	7	23	122	2.87	31	< 10	36	< 0.5	< 2	2.00
1314014005	649	Slight	-15.8	8.93	50.4	0.761	66.25	0.87	0.7	2.2	30	700	< 1	10	10	483	0.73	150	< 10	21	< 0.5	< 2	1.71
1429009016	41	Slight	-6.64	9.34	36.7	0.847	43.33	0.46	< 0.2	< 0.5	56	279	3	18	< 2	21	0.97	3	< 10	24	< 0.5	< 2	1.70
1316034038	194	Slight	1.78	8.86	38.4	1.05	36.58	0.45	0.6	0.7	25	898	< 1	8	111	247	1.33	38	< 10	29	< 0.5	< 2	2.00
1316038079	75	Slight	-3.55	9.02	55.1	0.940	58.70	0.83	1.5	0.7	50	1210	3	19	31	176	1.65	88	< 10	17	< 0.5	< 2	2.40
1316037087	> 5000	None	-99.9	8.24	6.61	0.0620	106.50	1.57	15.1	5.1	1330	1030	< 1	18	243	1050	2.24	157	< 10	15	< 0.5	15	0.21
1316038636	26	Slight	27.1	9.21	57.7	1.89	30.57	0.39	1.3	< 0.5	35	1210	< 1	13	11	59	1.39	24	< 10	28	< 0.5	< 2	2.45
1430024144	111	Slight	-43.5	8.34	81.4	0.652	124.94	4.82	0.8	0.7	107	1870	< 1	56	10	307	2.25	30	< 10	14	< 0.5	4	3.34
1316038646	43	Slight	-26.5	8.86	29.2	0.524	55.71	0.57	1.0	< 0.5	28	783	1	15	19	115	1.78	53	< 10	30	< 0.5	< 2	1.77
1430024151	160	Slight	-37.0	8.34	87.4	0.703	124.39	5.03	2.2	11.0	171	2610	1	57	< 2	2670	3.29	34	< 10	17	< 0.5	< 2	2.94
1316038094	271	Slight	-32.4	8.91	28.2	0.465	60.51	0.58	2.6	1.1	79	826	1	13	149	302	1.37	88	< 10	23	< 0.5	< 2	1.39
1429009048	265	Slight	-9.09	8.97	47.2	0.838	56.27	0.70	0.3	< 0.5	22	563	3	17	3	26	0.97	3	< 10	18	< 0.5	< 2	1.71
1316039018	60	Slight	-4.11	8.87	22.6	0.846	26.67	0.27	0.2	1.1	23	369	1	17	7	253	0.71	112	< 10	31	< 0.5	< 2	0.94
1316039001	580	Slight	-49.5	8.64	24.7	0.333	74.18	0.60	1.3	1.2	17	519	< 1	12	24	307	0.83	108	< 10	19	< 0.5	< 2	1.02
1316039919	366	Slight	-24.4	8.64	52.6	0.683	76.97	0.86	1.8	3.6	78	815	1	12	34	651	0.81	133	< 10	19	< 0.5	< 2	2.04
1316039072	306	Slight	-45.6	8.68	37.1	0.449	82.77	1.19	1.9	8.4	90	681	< 1	13	38	1790	0.64	170	< 10	16	< 0.5	2	1.32
1316039930	546	Slight	-112	8.45	21.0	0.158	132.83	0.95	2.8	3.3	85	459	< 1	22	64	773	0.55	148	< 10	12	< 0.5	3	0.93
F014462	> 5000																						
F014473	> 5000																						
1430010312	46	Slight	-1.80	8.77	67.9	0.974	69.66	0.84	< 0.2	< 0.5	110	498	4	25	3	94	1.51	< 2	< 10	25	< 0.5	< 2	2.27
1429009064	30	Slight	16.0	9.32	42.9	1.60	26.85	0.40	< 0.2	< 0.5	27	281	3	15	< 2	23	0.88	4	< 10	28	< 0.5	< 2	1.75
1316036200	183	Slight	21.4	9.17	44.9	1.91	23.45	0.35	0.5	0.7	21	586	< 1	13	18	199	1.90	39	< 10	34	< 0.5	< 2	1.91
1316036620	97	Slight	9.77	9.24	26.4	1.59	16.66	0.27	1.2	< 0.5	32	483	< 1	16	12	73	1.72	55	< 10	33	< 0.5	< 2	1.58
1316036259	186	Slight	12.8	9.22	43.1	1.42	30.32	0.51	1.3	< 0.5	49	865	1	16	31	122	1.40	37	< 10	44	< 0.5	< 2	1.96

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
1316036278	93	Slight	31.6	9.33	56.2	2.28	24.65	0.41	0.3	0.5	21	690	< 1	12	13	184	2.01	38	< 10	37	< 0.5	< 2	2.27
1430004132	46	Slight	-0.00334	8.71	85.2	1.000	85.20	1.37	< 0.2	< 0.5	51	739	4	36	< 2	54	1.43	9	< 10	17	< 0.5	< 2	2.87
1316038018	68	Slight	-8.29	8.99	36.9	0.816	45.15	0.64	1.3	0.8	44	868	2	19	62	234	2.06	49	< 10	30	< 0.5	< 2	2.01
1316039944	42	None	-12.1	8.36	4.20	0.257	16.32	0.26	< 0.2	1.2	31	140	1	19	2	435	0.77	9	< 10	51	< 0.5	< 2	0.19
1316039060	451	Slight	-15.1	8.89	66.4	0.815	81.49	1.00	2.4	4.8	106	1100	1	15	38	948	0.53	110	< 10	19	< 0.5	< 2	2.09
1430004072	24	Slight	17.4	8.92	69.9	1.33	52.51	0.82	< 0.2	< 0.5	170	586	3	39	2	49	2.02	3	< 10	23	< 0.5	< 2	2.68
1429009174	30	Slight	127	9.07	144	8.47	16.96	0.73	< 0.2	< 0.5	96	980	< 1	125	< 2	54	2.93	6	< 10	62	< 0.5	< 2	4.88
1316036240	482	Slight	15.5	9.24	45.8	1.51	30.35	0.45	1.5	< 0.5	38	777	1	13	30	116	1.08	38	< 10	33	< 0.5	< 2	1.95
1316035620	123	Slight	2.40	8.93	59.5	1.04	57.08	1.15	0.9	0.9	85	1160	< 1	22	67	337	1.61	35	< 10	25	< 0.5	< 2	2.66
1316036650	253	Slight	57.9	8.82	85.2	3.12	27.36	2.51	0.9	< 0.5	353	1660	6	63	4	289	3.32	10	< 10	26	< 0.5	< 2	3.39
1316036645	182	Slight	24.6	8.85	50.8	1.94	26.13	1.00	0.6	0.5	77	1080	1	30	21	182	2.54	18	< 10	36	< 0.5	< 2	2.47
1430025059	181	Slight	-1.63	8.68	51.7	0.970	53.34	0.74	0.9	< 0.5	24	751	2	21	4	72	1.95	15	< 10	26	< 0.5	< 2	2.20
1316036662	417	Slight	37.4	8.83	54.2	3.23	16.79	1.16	0.6	< 0.5	90	1280	< 1	50	6	200	3.13	10	< 10	44	< 0.5	< 2	2.44
1316036217	234	Slight	5.63	8.94	33.8	1.20	28.14	0.50	0.8	< 0.5	30	764	1	18	18	80	2.52	42	< 10	43	< 0.5	< 2	2.06
1430025041	318	Slight	0.158	8.85	42.5	1.00	42.31	0.61	0.7	0.9	34	703	1	21	4	229	2.17	16	< 10	32	< 0.5	< 2	2.01
1316035214	799	Slight	24.1	9.04	77.4	1.45	53.23	0.73	1.6	0.7	33	1450	< 1	14	108	275	0.85	47	< 10	28	< 0.5	< 2	2.72
F014287	526																						
1430023055	43	Slight	9.28	8.72	83.4	1.13	74.13	0.98	< 0.2	< 0.5	56	1420	7	28	3	106	1.22	4	< 10	23	< 0.5	< 2	2.40
1430023004	42	Slight	10.8	8.79	87.1	1.14	76.27	2.15	< 0.2	< 0.5	96	883	13	38	< 2	77	1.61	4	< 10	18	< 0.5	< 2	2.98
1316034231	77	Slight	17.2	8.94	57.1	1.43	39.96	0.53	0.3	0.6	26	965	< 1	9	72	213	1.14	79	< 10	28	< 0.5	< 2	2.38
1430025482	92	Slight	35.4	8.82	77.3	1.85	41.86	1.05	1.8	< 0.5	91	1010	< 1	108	7	171	4.84	12	< 10	23	< 0.5	3	3.84
1430025006	108	Slight	67.0	8.66	125	2.15	58.03	1.39	0.3	< 0.5	57	1830	1	137	< 2	170	4.53	7	< 10	27	< 0.5	3	4.02
1430025437	625	Slight	-74.6	8.36	92.3	0.553	166.91	5.14	3.0	4.8	70	1850	< 1	65	4	1160	4.30	52	< 10	11	< 0.5	< 2	3.45
1430025007	117	Slight	35.5	8.56	87.4	1.69	51.84	1.31	0.5	0.5	46	1730	< 1	133	< 2	241	4.07	10	< 10	18	< 0.5	5	3.86
1430025008	363	Slight	20.6	8.42	91.1	1.29	70.49	1.65	1.6	2.2	67	1690	< 1	122	3	451	3.87	20	< 10	22	< 0.5	5	3.80
1316034021	539	Slight	-19.5	8.98	23.0	0.541	42.47	0.50	0.5	< 0.5	17	591	< 1	12	25	131	2.54	37	< 10	31	< 0.5	< 2	1.81
1316034622	77	Slight	24.3	9.45	35.1	3.24	10.85	0.36	0.2	< 0.5	22	658	1	16	13	141	2.17	7	< 10	45	< 0.5	< 2	1.92
1316034636	35	Slight	22.4	9.49	30.9	3.65	8.46	0.32	0.3	< 0.5	34	595	< 1	20	14	172	2.22	9	< 10	48	< 0.5	< 2	1.89
1316034211	117	Slight	28.2	9.31	37.6	4.02	9.36	0.43	0.9	< 0.5	29	696	1	25	23	172	2.49	12	< 10	42	< 0.5	< 2	2.13
1316034605	181	Slight	5.06	9.13	35.6	1.17	30.56	0.84	0.6	< 0.5	41	706	< 1	22	14	114	2.31	31	< 10	35	< 0.5	< 2	2.07
1430025423	335	Slight	-27.2	8.47	93.7	0.775	120.95	3.86	1.5	0.8	81	1680	< 1	64	4	314	4.08	31	< 10	20	< 0.5	< 2	4.09
1430023001	49	Slight		8.99				2.24	< 0.2	< 0.5	80	831	8	32	3	80	1.46	4	< 10	22	< 0.5	< 2	3.09
1316035611	1320	Slight	-10.2	9.19	27.5	0.729	37.74	0.55	1.5	< 0.5	33	709	1	14	30	122	1.81	46	< 10	28	< 0.5	< 2	1.63
1430025418	162	Slight	7.24	8.77	88.5	1.09	81.30	1.28	0.4	< 0.5	41	1340	1	105	4	142	4.16	4	< 10	29	< 0.5	< 2	3.72
1430025048	182	Slight	24.3	9.05	68.0	1.56	43.71	0.65	1.0	0.6	12	812	1	17	3	207	1.15	39	< 10	31	< 0.5	< 2	2.24
1430023232	95	Slight	-12.7	8.49	85.3	0.870	97.96	2.37	< 0.2	< 0.5	60	950	2	33	2	111	1.56	4	< 10	18	< 0.5	< 2	2.81
F014292	1070																						
1429013006	22	Slight	58.2	9.33	68.9	6.43	10.71	0.49	< 0.2	< 0.5	55	777	< 1	163	< 2	44	2.84	9	< 10	< 10	< 0.5	< 2	2.90
1429002237	153	Slight	47.3	9.39	71.8	2.93	24.50	0.61	0.4	< 0.5	49	551	1	25	4	67	1.16	4	< 10	43	< 0.5	< 2	2.54
1429002233	49	Slight	40.9	9.14	109	1.60	68.22	1.13	< 0.2	< 0.5	28	1250	< 1	52	4	115	2.98	7	< 10	25	< 0.5	< 2	3.76
1429002613	44	Slight	70.1	8.86	125	2.28	54.89	1.11	< 0.2	< 0.5	119	696	7	27	2	61	1.17	2	< 10	20	< 0.5	< 2	3.37
1430035164	428	Slight	87.3	9.02	111	4.67	23.78	0.92	6.3	4.1	75	1640	< 1	102	3	1160	3.21	7	< 10	50	< 0.5	< 2	3.63
1430035122	211	Slight	-7.91	8.44	84.1	0.914	92.03	2.57	3.2	2.5	90	1950	< 1	52	3	583	3.19	30	< 10	17	< 0.5	< 2	3.17
1430035166	337	Slight	64.6	9.25	135	1.92	70.03	0.81	3.5	3.5	97	1680	< 1	109	< 2	870	3.12	14	< 10	31	< 0.5	< 2	4.11
1429002076	36	Slight	-13.3	9.08	90.4	0.872	103.75	2.82	< 0.2	< 0.5	62	1290	2	60	< 2	91	2.99	< 2	< 10	20	< 0.5	5	3.25
1430033014	593	Slight	76.3	8.63	78.5	35.5	2.21	2.61	2.8	0.8	102	1410	3	78	< 2	217	4.25	5	< 10	18	< 0.5	5	3.59
1316041011	381	Slight	-26.6	8.91	14.9	0.359	41.52	0.64	0.5	0.7	41	741	< 1	16	35	237	1.80	51	< 10	30	< 0.5	< 2	0.60
1316041027	207	Slight	11.2	9.23	36.9	1.44	25.74	0.39	0.2	< 0.5	16	610	1	17	15	152	1.65	33	< 10	31	< 0.5	< 2	0.49

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
1429002032	38	Slight	-3.29	8.93	82.1	0.961	85.37	2.97	< 0.2	< 0.5	105	1360	1	69	< 2	117	3.77	5	< 10	10	< 0.5	4	3.11
1430035016	59	Slight	68.5	9.35	96.6	3.44	28.07	0.92	0.7	2.0	39	1140	2	47	2	544	1.69	22	< 10	45	< 0.5	< 2	3.32
1430035143	19	Slight	33.9	9.36	62.7	2.18	28.81	0.53	< 0.2	< 0.5	13	838	< 1	40	< 2	97	1.95	26	< 10	44	< 0.5	< 2	2.35
1429002131	34	Slight	17.6	8.96	106	1.20	88.24	1.33	< 0.2	< 0.5	47	838	7	27	< 2	72	1.77	4	< 10	17	< 0.5	< 2	3.22
1430035218	285	Slight	-3.00	9.14	28.4	0.905	31.44	0.66	1.6	2.2	45	821	< 1	19	2	617	1.58	31	< 10	36	< 0.5	< 2	0.88
1430033001	529	Slight	-19.2	9.01	30.7	0.615	49.86	0.74	2.3	4.8	65	591	2	55	7	992	1.98	465	< 10	24	< 0.5	< 2	1.23
1429002156	26	Slight	38.6	9.18	109	1.55	70.12	1.18	< 0.2	< 0.5	77	672	6	29	2	60	1.46	4	< 10	22	< 0.5	< 2	3.11
1430035135	392	Slight	7.52	9.19	47.1	1.19	39.57	0.57	1.5	2.8	32	531	1	21	3	694	1.45	444	< 10	31	< 0.5	< 2	1.82
F014890	1850																						
1429013223	82	Slight	51.2	8.78	62.9	5.38	11.68	0.71	0.4	< 0.5	150	1310	< 1	205	< 2	80	4.16	11	< 10	< 10	< 0.5	< 2	5.18
1430034626	50	Slight	63.8	9.21	84.4	4.09	20.62	0.74	0.6	3.4	73	1270	< 1	41	3	993	1.44	22	< 10	43	< 0.5	< 2	3.19
1430034676	32	Slight	66.5	9.31	75.0	8.85	8.47	0.52	0.4	0.5	34	1070	1	45	< 2	221	1.74	10	< 10	54	< 0.5	< 2	3.02
1429013177	217	Slight	84.7	9.80	95.7	8.72	10.98	0.45	< 0.2	< 0.5	22	332	< 1	15	< 2	20	1.44	2	< 10	68	< 0.5	< 2	2.18
1430034618	112	Slight	32.1	9.04	59.5	2.17	27.44	0.86	2.1	3.2	77	1340	1	47	3	964	2.00	23	< 10	39	< 0.5	< 2	2.82
1430035250	253	Slight	74.0	8.87	101	3.70	27.43	1.47	2.5	9.1	131	2470	< 1	88	< 2	1540	3.57	17	< 10	30	< 0.5	< 2	4.04
1430035148	179	Slight	14.2	8.78	85.6	1.20	71.35	2.12	3.1	2.5	132	2090	< 1	67	4	745	3.79	22	< 10	19	< 0.5	< 2	3.28
1430034609	25	Slight	81.7	9.49	94.8	7.22	13.14	0.65	0.2	1.4	43	913	1	32	3	471	2.00	13	< 10	44	< 0.5	2	3.33
1429002047	55	Slight	24.4	8.99	101	1.32	76.70	1.45	< 0.2	< 0.5	54	686	3	30	< 2	89	1.36	3	< 10	21	< 0.5	< 2	3.16
1430035188	49	Slight	57.8	9.06	85.9	3.06	28.07	1.32	1.1	3.0	141	1560	< 1	131	4	989	4.13	17	< 10	37	< 0.5	3	2.71
1430035230	139	Slight	9.42	8.75	78.1	1.14	68.70	2.03	3.0	6.2	153	1930	< 1	78	3	1600	3.67	30	< 10	18	< 0.5	< 2	2.72
1429002224	31	Slight	137	8.68	222	2.60	85.25	2.92	< 0.2	< 0.5	91	897	2	52	< 2	64	2.16	5	< 10	18	< 0.5	< 2	3.50
1429002256	101	Slight	-28.7	8.79	122	0.810	151.02	5.52	0.4	< 0.5	102	1100	2	63	2	80	1.66	8	< 10	15	< 0.5	6	3.68
1429013409	101	Slight	23.9	9.50	51.4	1.87	27.52	0.49	0.8	< 0.5	27	371	1	16	16	81	1.49	50	< 10	48	< 0.5	< 2	2.11
1430034600	26	Slight	181	9.09	201	10.2	19.76	0.88	0.4	0.8	151	1430	1	92	2	345	2.98	15	< 10	17	< 0.5	2	5.01
1429013106	16	Slight	30.7	9.31	38.9	4.74	8.21	0.41	< 0.2	< 0.5	60	653	< 1	145	< 2	44	2.62	12	< 10	< 10	< 0.5	< 2	2.14
1429013171	25	Slight	124	9.08	133	14.8	8.98	0.60	< 0.2	< 0.5	68	1080	< 1	180	< 2	59	3.57	9	< 10	13	< 0.5	< 2	4.57
1429013377	65	Slight	20.8	8.43	34.4	2.53	13.61	0.82	0.3	< 0.5	145	1330	< 1	211	< 2	72	4.26	6	< 10	11	< 0.5	8	5.64
1430035178	810	Slight	87.6	8.94	108	5.24	20.66	1.32	10.0	15.0	114	2230	< 1	110	< 2	2450	3.31	15	< 10	32	< 0.5	4	3.65
1430034666	52	Slight	76.2	9.51	85.7	8.97	9.55	0.80	0.5	0.8	113	1430	< 1	35	< 2	321	1.58	14	< 10	35	< 0.5	< 2	4.03
1429002009	11	Slight	62.2	9.39	85.5	3.67	23.31	0.47	< 0.2	< 0.5	17	329	< 1	20	3	32	1.29	< 2	< 10	51	< 0.5	< 2	3.46
F014894	1060																						
1430022640	116	Slight	85.0	9.02	106	5.12	20.64	0.91	0.5	1.0	98	1400	< 1	69	< 2	406	4.89	7	< 10	40	< 0.5	< 2	3.99
1430022096	1430	Slight	-23.9	8.47	121	0.835	145.14	5.96	5.3	< 0.5	311	1540	< 1	59	< 2	203	3.39	40	< 10	16	< 0.5	< 2	3.73
1430022119	115	Slight	128	8.71	151	6.66	22.66	1.25	0.9	< 0.5	319	1460	< 1	65	2	193	3.71	7	< 10	13	< 0.5	< 2	4.74
1429002200	126	Slight	1.12	8.89	70.8	1.02	69.66	1.06	< 0.2	0.6	64	1010	2	38	< 2	173	2.28	4	< 10	22	< 0.5	< 2	2.48
1429011158	59	Slight	1.13	9.28	41.2	1.03	40.03	0.75	< 0.2	< 0.5	78	437	1	23	< 2	60	1.59	9	< 10	32	< 0.5	< 2	1.56
1430022615	75	Slight	127	8.83	142	9.17	15.50	0.97	0.4	0.7	81	1860	< 1	219	< 2	349	5.09	6	< 10	< 10	< 0.5	4	4.12
1429011115	95	Slight	35.4	9.51	66.3	2.15	30.86	0.64	0.9	0.5	28	1500	1	12	10	118	0.84	276	< 10	33	< 0.5	< 2	1.98
1430022350	160	Slight	71.0	8.99	96.6	3.77	25.59	1.02	0.7	< 0.5	108	1180	< 1	44	10	161	4.43	30	< 10	57	< 0.5	< 2	4.15
1429011133	56	None	-28.8	8.41	1.25	0.0414	30.08	0.34	< 0.2	< 0.5	26	152	< 1	23	< 2	57	2.18	4	< 10	30	< 0.5	< 2	0.15
1430022836	9	Slight	115	8.83	116	116	1.00	0.55	< 0.2	< 0.5	64	1120	< 1	76	< 2	131	4.31	< 2	< 10	14	< 0.5	< 2	3.85
1430022800	57	Slight	91.8	8.87	109	6.27	17.41	0.96	0.5	< 0.5	130	1290	< 1	63	2	194	4.63	9	< 10	53	< 0.5	< 2	4.19
1429013273	33	Slight	110	9.10	116	19.2	6.05	0.62	< 0.2	< 0.5	118	1010	1	180	< 2	59	3.62	10	< 10	< 10	< 0.5	< 2	4.30
1429013391	16	Slight	59.1	9.25	62.1	21.0	2.96	0.33	< 0.2	< 0.5	52	786	< 1	148	7	56	2.81	5	< 10	< 10	< 0.5	< 2	3.16
1430022356	9	Slight	109	9.15	114	22.7	4.99	0.50	< 0.2	< 0.5	106	934	< 1	55	< 2	95	3.32	4	< 10	11	< 0.5	< 2	3.98
1430022819	13	Slight	111	8.99	115	26.1	4.42	0.55	< 0.2	< 0.5	91	951	< 1	61	2	114	4.41	5	< 10	12	< 0.5	< 2	4.24
1430034690	51	Slight	56.9	9.18	76.4	3.92	19.47	0.62	0.6	2.8	49	1080	< 1	30	< 2	557	1.90	12	< 10	47	< 0.5	< 2	2.99
1429002012	17	Slight	11.0	9.28	48.2	1.30	37.15	0.59	< 0.2	< 0.5	24	427	2	30	4	39	1.37	2	< 10	45	< 0.5	< 2	2.83
1430034642	888	Slight	-1.11	8.63	68.5	0.984	69.64	1.51	3.7	0.7	96	1470	< 1	57	2	310	2.42	30	< 10	25	< 0.5	4	2.57

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
1430022842	88	Slight	68.8	8.66	98.9	3.29	30.10	1.20	0.6	1.9	131	1750	< 1	66	4	485	4.95	15	< 10	45	< 0.5	3	4.32
1429013268	26	Slight	44.1	9.73	50.0	8.37	5.98	0.39	< 0.2	< 0.5	6	294	< 1	21	2	22	1.25	4	< 10	63	< 0.5	< 2	2.15
1430022616	1430	Slight	123	8.71	138	9.33	14.74	1.02	5.0	0.8	175	1870	< 1	203	< 2	400	4.82	8	< 10	16	< 0.5	3	4.02
F014893	546																						
1430025158	156	Slight	6.54	8.72	43.9	1.18	37.34	0.51	0.8	< 0.5	15	689	2	21	2	210	2.15	9	< 10	34	< 0.5	< 2	2.04
1429010124	140	Slight	11.5	8.82	59.1	1.24	47.66	1.15	0.6	< 0.5	113	1220	< 1	206	< 2	93	3.94	4	< 10	14	< 0.5	< 2	4.50
1429010076	31	Slight	53.0	8.96	73.2	3.63	20.18	0.50	< 0.2	< 0.5	51	511	2	66	< 2	34	1.93	< 2	< 10	27	< 0.5	< 2	2.80
1430025358	185	Slight	142	8.94	163	7.70	21.18	1.06	2.6	2.1	131	2010	< 1	124	< 2	432	3.96	9	< 10	18	< 0.5	4	4.16
1430025179	155	Slight	12.8	8.51	70.0	1.22	57.24	1.22	2.3	0.9	41	1720	< 1	40	3	380	2.91	18	< 10	25	< 0.5	4	2.63
1314511003	1750	Slight	3.79	9.20	41.4	1.10	37.63	0.71	0.6	< 0.5	175	593	< 1	48	5	140	2.52	11	< 10	36	< 0.5	< 2	1.68
1430021129	776	Slight	-51.5	8.33	93.6	0.645	145.12	5.17	2.5	0.8	100	1390	1	57	4	261	2.89	25	< 10	11	< 0.5	2	3.86
1430021152	227	Slight	-3.73	8.60	84.9	0.958	88.62	1.48	0.9	< 0.5	48	1300	< 1	46	3	143	2.86	11	< 10	19	< 0.5	< 2	3.44
1430021083	317	Slight	34.6	8.53	162	1.27	127.53	6.22	1.9	< 0.5	59	1930	< 1	56	4	167	2.63	42	< 10	15	< 0.5	< 2	4.10
1430029002	181	Slight	20.3	9.30	63.8	1.47	43.48	0.62	0.7	1.8	25	968	< 1	10	29	442	1.49	38	< 10	27	< 0.5	< 2	1.98
1430029654	89	Slight	29.2	9.25	62.8	1.87	33.66	0.56	0.8	0.7	60	1170	2	12	36	223	1.48	44	< 10	29	< 0.5	< 2	2.19
1430028077	77	None	-24.6	9.16	17.6	0.417	42.19	0.64	1.0	0.6	57	1340	2	16	48	232	1.26	25	< 10	30	< 0.5	< 2	0.83
1430027078	14	Slight	94.9	8.81	104	11.5	9.00	0.79	< 0.2	< 0.5	57	1390	< 1	10	5	153	3.00	17	< 10	30	< 0.5	< 2	4.06
1429011097	68	None	-22.3	9.14	8.57	0.278	30.82	0.32	0.6	< 0.5	51	201	< 1	20	3	81	1.85	23	< 10	29	< 0.5	< 2	0.22
1430028114	70	None	-33.1	9.17	8.69	0.208	41.75	0.60	0.8	0.6	38	1100	1	14	34	215	1.47	21	< 10	25	< 0.5	< 2	0.44
1430028058	50	Slight	-6.31	9.38	18.1	0.742	24.42	0.43	0.5	0.5	73	704	4	32	32	194	1.50	17	< 10	44	< 0.5	< 2	0.96
1314511015	> 5000	Slight	-284	8.19	38.2	0.119	321.66	4.40	4.0	< 0.5	847	833	< 1	56	6	132	3.44	72	< 10	< 10	< 0.5	11	1.65
1430023631	72	Slight	-21.0	8.45	68.6	0.765	89.57	1.98	< 0.2	< 0.5	78	1130	1	37	3	159	2.14	4	< 10	21	< 0.5	< 2	2.59
1429010068	58	Slight	36.7	9.12	66.6	2.23	29.87	0.79	< 0.2	< 0.5	102	823	4	160	< 2	59	3.01	6	< 10	< 10	< 0.5	< 2	3.01
F014892	> 5000																						
1430028642	81	None	-56.8	7.66	8.68	0.132	65.49	0.67	0.6	3.2	88	516	< 1	33	35	955	1.54	15	< 10	20	< 0.5	< 2	0.28
1430027084	38	Slight	108	8.54	124	7.83	15.86	1.16	0.3	< 0.5	94	1400	< 1	60	7	150	4.35	14	< 10	16	< 0.5	< 2	4.09
1430034651	1260	Slight	-35.0	8.43	83.7	0.705	118.68	5.44	3.9	2.3	474	1910	< 1	134	2	403	3.02	17	< 10	15	< 0.5	3	3.43
1430027004	77	Slight	81.6	9.07	101	5.27	19.09	0.75	0.5	< 0.5	64	1120	< 1	101	3	133	4.91	5	< 10	45	< 0.5	5	3.93
1430028018	102	Slight	-21.2	8.81	14.4	0.404	35.56	0.45	0.2	< 0.5	56	592	1	23	17	200	1.93	19	< 10	38	< 0.5	< 2	0.64
1430028022	194	None	-46.7	8.36	4.69	0.0912	51.44	0.55	3.1	2.4	85	436	1	16	129	693	1.79	41	< 10	27	< 0.5	< 2	0.11
1430022074	88	Slight	111	8.70	137	5.24	26.15	1.05	0.4	< 0.5	145	1280	< 1	63	3	156	3.62	12	< 10	53	< 0.5	< 2	4.39
1429011016	502	Slight	28.2	9.14	69.3	1.68	41.11	0.38	2.9	< 0.5	19	1170	< 1	14	28	125	0.51	592	< 10	20	< 0.5	< 2	1.97
1429011022	112	Slight	34.2	9.12	64.2	2.14	29.93	0.62	0.9	< 0.5	16	951	< 1	16	10	78	0.89	115	< 10	29	< 0.5	< 2	2.56
1430022064	114	Slight	133	8.65	147	10.5	14.05	1.02	0.3	< 0.5	197	1370	< 1	86	14	241	3.52	16	< 10	91	< 0.5	< 2	4.78
1430034732	175	Slight	25.0	8.61	83.7	1.43	58.71	2.39	2.4	20.5	327	2380	< 1	109	< 2	2770	3.69	30	< 10	22	< 0.5	< 2	3.97
1429011061	81	Slight	29.2	9.05	75.5	1.63	46.28	0.58	3.4	0.6	19	1020	< 1	14	15	248	0.99	58	< 10	30	< 0.5	< 2	1.92
1430028660	58	Slight	-15.2	9.11	20.4	0.573	35.62	0.47	0.3	< 0.5	58	521	< 1	27	6	147	1.52	7	< 10	31	< 0.5	< 2	1.07
1430034710	242	Slight	-61.1	8.62	65.3	0.517	126.43	3.31	1.4	1.7	157	1590	1	73	3	252	2.08	22	< 10	10	< 0.5	3	1.90
1430027030	33	Slight	127	8.71	151	6.33	23.82	1.72	0.2	< 0.5	89	1620	< 1	66	6	215	4.87	7	< 10	52	< 0.5	< 2	4.43
1430022922	40	Slight	27.1	9.33	40.6	3.01	13.51	0.38	< 0.2	< 0.5	57	546	< 1	23	5	70	2.53	5	< 10	60	< 0.5	< 2	1.98
1430022656	44	Slight	99.1	8.75	107	13.4	8.02	0.75	< 0.2	< 0.5	77	1380	< 1	87	4	227	4.95	8	< 10	22	< 0.5	< 2	4.04
1430022067	239	Slight	36.9	8.61	95.7	1.63	58.81	1.68	1.3	< 0.5	158	1470	< 1	66	2	246	4.16	23	< 10	15	< 0.5	< 2	4.02
1430034746	232	Slight	21.6	8.95	82.2	1.36	60.53	1.28	1.5	< 0.5	79	1200	2	89	4	172	1.97	17	< 10	23	< 0.5	< 2	3.10
1429002061	74	Slight	44.0	9.39	70.9	2.64	26.90	0.43	< 0.2	< 0.5	96	733	2	21	< 2	57	1.92	5	< 10	50	< 0.5	< 2	2.87
1429002118	14	Slight	14.6	9.30	37.6	1.64	22.96	0.33	< 0.2	< 0.5	80	395	2	16	2	44	1.62	4	< 10	54	< 0.5	< 2	1.60
F014997	1070																						
1429023065	225	Slight	17.9	9.17	71.7	1.33	53.89	0.66	1.8	1.4	38	889	1	13	45	381	0.87	36	< 10	28	< 0.5	< 2	2.31
1430037038	302	Slight	55.8	8.41	96.9	2.36	41.09	2.88	2.7	1.9	518	2090	< 1	9	4	569	3.35	12	< 10	23	< 0.5	3	3.89
1430037070	10	Slight	105	9.11	105	307	0.34	0.47	< 0.2	< 0.5	116	825	< 1	29	< 2	100	2.64	7	< 10	18	< 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
1430037055	27	Slight	64.9	9.05	68.5	19.3	3.55	0.56	< 0.2	< 0.5	185	765	< 1	24	3	124	2.61	6	< 10	15	< 0.5	< 2	3.26
1430033067	259	Slight	-9.18	8.73	45.6	0.833	54.81	0.67	1.6	2.4	31	692	2	17	5	566	1.69	268	< 10	33	< 0.5	< 2	1.86
1430033095	46	Slight	122	9.01	133	11.6	11.51	0.79	0.3	< 0.5	82	1440	< 1	124	7	256	5.36	14	< 10	44	< 0.5	2	4.47
1429023068	253	Slight	26.7	9.46	69.4	1.62	42.72	0.63	3.1	< 0.5	88	692	4	12	30	154	1.07	47	< 10	38	< 0.5	< 2	2.35
1430035031	366	Slight	16.7	8.71	78.4	1.27	61.75	1.60	5.0	6.1	133	1970	2	80	5	944	3.40	29	< 10	18	< 0.5	< 2	2.74
1430035019	110	Slight	33.8	8.75	94.9	1.55	61.06	1.47	1.1	7.3	94	1460	2	42	5	1800	2.33	40	< 10	28	< 0.5	< 2	3.28
1430033104	86	Slight	39.1	8.86	105	1.60	65.58	1.52	0.6	< 0.5	56	1370	1	109	< 2	165	4.81	7	< 10	20	< 0.5	< 2	3.91
1316041060	158	Slight	-2.62	9.11	45.8	0.946	48.41	0.77	1.2	6.8	57	933	< 1	15	28	1490	0.93	125	< 10	30	< 0.5	< 2	1.73
1429013348	204	Slight	31.1	9.36	68.5	1.83	37.40	0.58	9.1	0.7	32	1160	< 1	14	80	203	0.95	113	< 10	26	< 0.5	< 2	2.30
1430037389	67	Slight	24.9	8.89	48.1	2.07	23.23	0.61	0.4	0.9	103	790	8	57	40	268	2.53	12	< 10	28	< 0.5	< 2	2.68
1429023038	166	Slight	15.8	9.20	74.4	1.27	58.56	0.74	1.8	0.5	18	904	1	16	47	140	1.00	15	< 10	38	< 0.5	< 2	2.01
1430033100	102	Slight	46.1	8.70	98.4	1.88	52.30	1.36	0.5	< 0.5	41	1220	1	99	3	238	4.29	6	< 10	35	< 0.5	3	3.73
1430033140	223	Slight	13.8	8.60	82.3	1.20	68.59	2.86	1.2	< 0.5	109	1000	3	88	4	184	4.37	10	< 10	24	< 0.5	2	3.65
F014996	555																						

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
1308002024	8	124	3.38	< 10	< 1	0.13	10	0.95	0.144	0.036	1.20	2	< 1	106	< 0.01	2	< 2	< 10	10	< 10	2	8	0.16
1308002040	10	6	4.45	< 10	< 1	0.19	11	1.46	0.063	0.036	2.91	3	< 1	44	< 0.01	< 1	< 2	< 10	10	< 10	3	20	0.13
1308002004	6	98	3.26	< 10	< 1	0.16	12	0.71	0.089	0.039	1.45	< 2	< 1	68	0.02	2	< 2	< 10	8	< 10	3	12	0.13
1308002117	6	208	2.78	< 10	< 1	0.13	< 10	0.65	0.233	0.031	1.91	3	< 1	138	< 0.01	4	< 2	< 10	7	< 10	2	9	0.19
1308002081	10	39	2.16	< 10	< 1	0.16	18	0.82	0.064	0.050	1.03	< 2	< 1	38	< 0.01	< 1	< 2	< 10	7	< 10	2	6	0.23
1308002038	8	8	3.90	< 10	< 1	0.20	13	1.85	0.041	0.040	1.30	2	< 1	33	< 0.01	1	< 2	< 10	11	< 10	3	12	0.12
1430019808	5	19	1.05	< 10	< 1	0.08	< 10	0.39	0.035	0.024	0.51	< 2	< 1	18	< 0.01	< 1	< 2	< 10	3	< 10	< 1	4	0.11
1431091015	37	124	7.58	< 10	< 1	0.06	< 10	3.02	0.111	0.028	1.00	5	14	69	0.01	6	< 2	< 10	125	< 10	4	4	2.53
1431043115	8	113	2.37	< 10	< 1	0.18	13	0.87	0.210	0.042	1.53	3	1	90	< 0.01	3	< 2	< 10	13	< 10	3	9	0.37
1308002086	4	80	2.32	< 10	< 1	0.10	< 10	0.72	0.198	0.034	0.98	3	< 1	124	< 0.01	< 1	< 2	< 10	7	< 10	2	7	0.10
1308002071	3	92	2.31	< 10	< 1	0.10	< 10	0.63	0.162	0.033	1.00	3	< 1	99	< 0.01	2	< 2	< 10	7	< 10	2	8	0.14
1308002151	5	135	2.28	< 10	< 1	0.11	< 10	0.72	0.167	0.033	0.98	3	< 1	140	< 0.01	4	< 2	< 10	9	< 10	2	7	0.10
1308002154	7	25	2.45	< 10	< 1	0.14	11	0.76	0.174	0.039	1.14	2	1	132	< 0.01	< 1	< 2	< 10	10	< 10	2	7	0.22
1308002178	4	156	2.36	< 10	< 1	0.14	< 10	0.58	0.138	0.034	1.36	3	< 1	124	< 0.01	2	< 2	< 10	6	< 10	2	8	0.16
1316036002	7	85	2.12	< 10	< 1	0.20	12	1.21	0.074	0.038	0.96	3	< 1	51	< 0.01	< 1	< 2	< 10	9	< 10	3	9	0.33
F014463																							
F014456																							
1316036015	10	77	2.23	< 10	< 1	0.13	20	0.67	0.047	0.054	0.92	3	1	33	< 0.01	2	< 2	< 10	11	< 10	3	5	0.16
1316036028	10	136	2.55	< 10	< 1	0.14	17	1.06	0.122	0.053	0.81	3	1	53	0.02	5	< 2	< 10	15	< 10	3	4	0.35
1316035054	7	71	1.75	< 10	< 1	0.21	14	0.81	0.086	0.038	1.06	3	< 1	64	< 0.01	2	< 2	< 10	7	< 10	2	7	0.54
1316035033	10	8	2.72	< 10	< 1	0.23	21	1.09	0.153	0.054	1.21	2	1	58	0.03	3	< 2	< 10	18	< 10	3	2	0.38
1316034080	7	127	1.86	< 10	< 1	0.17	15	0.95	0.221	0.039	0.81	2	< 1	72	0.01	4	< 2	< 10	9	< 10	3	4	0.31
1316035047	7	4	1.61	< 10	< 1	0.27	15	0.78	0.038	0.039	1.22	2	< 1	27	< 0.01	< 1	< 2	< 10	6	< 10	2	7	0.61
1316034069	7	97	1.98	< 10	< 1	0.21	15	0.80	0.136	0.039	1.59	3	< 1	58	< 0.01	< 1	< 2	< 10	7	< 10	2	11	0.28
1316034010	6	6	1.80	< 10	< 1	0.21	15	0.91	0.123	0.040	0.71	2	< 1	74	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.26
1316034040	7	6	2.06	< 10	< 1	0.27	14	0.84	0.193	0.038	1.49	< 2	< 1	82	< 0.01	3	< 2	< 10	9	< 10	2	11	0.28
1314014005	9	4	2.70	< 10	< 1	0.30	12	0.39	0.021	0.043	2.47	2	< 1	31	< 0.01	4	< 2	< 10	4	< 10	2	14	0.73
1429009016	9	178	2.15	< 10	< 1	0.11	16	0.67	0.047	0.048	1.55	3	< 1	35	< 0.01	4	< 2	< 10	7	< 10	3	10	0.49
1316034038	7	61	1.74	< 10	< 1	0.21	16	0.62	0.046	0.041	1.38	2	< 1	32	< 0.01	< 1	< 2	< 10	5	< 10	3	5	0.65
1316038079	10	106	2.65	< 10	< 1	0.38	17	1.13	0.083	0.068	2.17	2	2	76	0.03	2	< 2	< 10	15	< 10	5	9	0.70
1316037087	9	117	5.19	< 10	< 1	0.18	< 10	1.99	0.016	0.044	3.65	3	< 1	5	< 0.01	3	< 2	< 10	12	< 10	2	17	0.07
1316038636	8	59	1.89	< 10	< 1	0.19	10	0.86	0.047	0.035	1.09	2	< 1	43	< 0.01	1	< 2	< 10	6	< 10	2	9	0.72
1430024144	32	117	7.82	< 10	< 1	0.14	< 10	2.26	0.041	0.066	5.25	5	6	49	0.02	< 1	< 2	< 10	63	< 10	8	15	1.75
1316038646	9	115	2.29	< 10	< 1	0.24	14	0.61	0.142	0.042	1.95	3	< 1	64	0.02	< 1	< 2	< 10	9	< 10	3	16	0.33
1430024151	28	128	10.2	< 10	< 1	0.16	< 10	2.67	0.020	0.057	4.94	6	9	45	0.05	6	< 2	< 10	105	< 10	9	12	1.51
1316038094	9	118	2.30	< 10	< 1	0.23	13	0.69	0.078	0.044	2.23	4	< 1	31	< 0.01	1	< 2	< 10	6	< 10	3	16	0.35
1429009048	10	254	2.78	< 10	< 1	0.09	< 10	0.98	0.048	0.041	2.04	3	< 1	40	< 0.01	3	< 2	< 10	8	< 10	3	9	0.67
1316039018	8	245	1.36	< 10	< 1	0.16	10	0.40	0.016	0.046	0.97	3	< 1	26	< 0.01	1	< 2	< 10	4	< 10	1	8	0.33
1316039001	8	107	3.08	< 10	< 1	0.18	12	0.53	0.017	0.046	2.63	3	< 1	19	< 0.01	3	< 2	< 10	5	< 10	2	16	0.38
1316039919	8	126	2.92	< 10	< 1	0.17	< 10	0.60	0.019	0.040	2.87	5	< 1	32	< 0.01	< 1	< 2	< 10	4	< 10	2	13	0.68
1316039072	10	125	3.17	< 10	< 1	0.18	< 10	0.46	0.016	0.043	3.05	3	< 1	22	< 0.01	3	< 2	< 10	4	< 10	2	15	0.53
1316039930	13	135	4.13	< 10	< 1	0.17	< 10	0.24	0.019	0.040	4.54	9	< 1	21	< 0.01	2	< 2	< 10	3	< 10	2	17	0.35
F014462																							
F014473																							
1430010312	12	133	3.06	< 10	< 1	0.09	16	1.31	0.063	0.055	2.43	3	1	54	< 0.01	4	< 2	< 10	12	< 10	3	12	0.95
1429009064	7	123	1.89	< 10	< 1	0.08	13	0.65	0.041	0.040	1.01	< 2	< 1	26	< 0.01	2	< 2	< 10	10	< 10	3	8	0.61
1316036200	7	130	1.93	< 10	< 1	0.13	12	1.25	0.050	0.037	0.84	3	< 1	38	< 0.01	4	< 2	< 10	8	< 10	2	7	0.62
1316036620	7	222	1.64	< 10	< 1	0.15	11	0.68	0.120	0.035	0.59	3	< 1	56	< 0.01	4	< 2	< 10	8	< 10	3	8	0.42
1316036259	7	173	1.88	< 10	< 1	0.19	11	0.62	0.095	0.038	1.23	< 2	< 1	49	< 0.01	< 1	< 2	< 10	7	< 10	3	10	0.58
1316036278	8	108	2.11	< 10	< 1	0.15	14	1.28	0.060	0.041	0.92	2	< 1	42	< 0.01	< 1	< 2	< 10	9	< 10	2	6	0.74
1430004132	16	221	4.50	< 10	< 1	0.07	14	1.37	0.056	0.056	3.18	4	2	60	< 0.01	< 1	< 2	< 10	22	< 10	5	14	1.26

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
1316038018	11	118	2.14	< 10	< 1	0.31	15	0.88	0.151	0.044	1.66	3	< 1	77	0.02	2	< 2	< 10	10	< 10	3	11	0.47
1316039944	10	292	1.26	< 10	< 1	0.05	< 10	0.20	0.016	0.044	0.60	< 2	< 1	19	< 0.01	< 1	< 2	< 10	7	< 10	1	10	0.15
1316039060	10	116	3.02	< 10	< 1	0.17	< 10	0.63	0.018	0.046	2.94	4	< 1	33	< 0.01	1	< 2	< 10	4	< 10	2	16	0.91
1430004072	23	116	4.20	< 10	< 1	0.08	15	1.46	0.051	0.062	1.87	4	3	60	< 0.01	2	< 2	< 10	44	< 10	5	8	1.00
1429009174	31	298	5.34	< 10	< 1	0.35	< 10	3.26	0.026	0.026	0.75	4	15	136	0.06	3	< 2	< 10	101	< 10	4	7	2.15
1316036240	8	110	1.71	< 10	< 1	0.18	11	0.58	0.049	0.039	1.20	3	< 1	33	< 0.01	3	< 2	< 10	5	< 10	2	9	0.61
1316035620	14	139	3.73	< 10	< 1	0.26	< 10	0.63	0.085	0.045	2.20	3	3	57	0.05	4	< 2	< 10	48	< 10	4	15	0.76
1316036650	29	157	9.99	10	< 1	0.11	< 10	1.56	0.105	0.065	1.44	5	12	98	0.16	5	< 2	< 10	166	< 10	11	7	1.42
1316036645	16	240	4.66	< 10	< 1	0.16	12	1.05	0.163	0.052	1.17	4	5	86	0.07	< 1	< 2	< 10	67	14	6	10	0.72
1430025059	11	226	3.21	< 10	< 1	0.16	14	1.02	0.144	0.042	1.90	3	< 1	55	< 0.01	4	< 2	< 10	13	< 10	4	10	0.82
1316036662	32	164	7.55	< 10	< 1	0.20	< 10	1.30	0.120	0.071	0.87	5	11	77	0.15	3	< 2	< 10	137	< 10	9	10	0.78
1316036217	8	273	2.02	< 10	< 1	0.23	11	0.86	0.186	0.036	1.09	3	< 1	92	< 0.01	3	< 2	< 10	9	< 10	3	7	0.65
1430025041	8	203	2.90	< 10	< 1	0.17	14	1.04	0.180	0.041	1.56	3	< 1	63	< 0.01	< 1	< 2	< 10	12	< 10	4	10	0.64
1316035214	8	117	2.18	< 10	< 1	0.19	12	0.70	0.037	0.037	1.96	3	< 1	37	< 0.01	1	< 2	< 10	7	< 10	3	9	1.10
F014287																							
1430023055	16	78	4.22	< 10	< 1	0.10	17	1.49	0.040	0.065	2.62	3	2	45	< 0.01	4	< 2	< 10	16	< 10	5	11	1.39
1430023004	15	148	4.16	< 10	< 1	0.10	14	1.46	0.063	0.058	3.08	2	3	67	< 0.01	< 1	< 2	< 10	27	< 10	5	14	1.31
1316034231	7	83	1.89	< 10	< 1	0.19	14	0.71	0.025	0.039	1.51	< 2	< 1	24	< 0.01	< 1	< 2	< 10	5	< 10	2	10	0.78
1430025482	33	128	6.70	10	< 1	0.14	< 10	2.52	0.314	0.037	1.57	5	4	88	0.06	< 1	< 2	< 10	105	< 10	4	5	1.17
1430025006	40	168	8.35	10	< 1	0.10	< 10	3.26	0.258	0.039	2.15	6	7	108	0.01	2	< 2	< 10	127	< 10	5	6	1.80
1430025437	41	109	10.7	10	< 1	0.75	< 10	3.39	0.151	0.059	6.56	6	14	69	0.17	7	< 2	< 10	189	< 10	8	9	1.60
1430025007	39	214	8.08	< 10	< 1	0.07	< 10	3.11	0.210	0.043	1.92	6	6	87	0.02	3	< 2	< 10	119	< 10	6	6	1.75
1430025008	36	196	8.33	10	< 1	0.10	< 10	2.95	0.146	0.048	2.59	6	8	74	0.05	3	< 2	< 10	117	< 10	7	7	1.70
1316034021	7	137	1.96	< 10	< 1	0.19	16	0.88	0.174	0.041	1.50	3	< 1	82	0.02	2	< 2	< 10	8	< 10	3	9	0.27
1316034622	9	174	2.35	< 10	< 1	0.18	19	0.93	0.132	0.055	0.44	3	2	101	0.06	5	< 2	< 10	21	< 10	3	5	0.49
1316034636	9	130	2.11	< 10	< 1	0.20	16	0.86	0.161	0.050	0.39	2	2	134	0.06	6	< 2	< 10	21	< 10	4	7	0.42
1316034211	11	190	2.60	< 10	< 1	0.20	20	1.03	0.145	0.053	0.45	3	2	100	0.06	2	< 2	< 10	22	< 10	3	5	0.58
1316034605	13	204	3.08	< 10	< 1	0.28	15	0.86	0.168	0.049	1.28	3	2	103	0.05	< 1	< 2	< 10	28	< 10	4	7	0.56
1430025423	34	228	9.26	10	1	0.49	< 10	2.51	0.230	0.059	4.66	6	13	87	0.15	10	< 2	< 10	176	< 10	9	7	2.25
1430023001	15	213	3.86	< 10	< 1	0.09	17	1.35	0.062	0.058	2.90	4	2	76	< 0.01	4	< 2	< 10	16	< 10	5	12	1.55
1316035611	9	129	2.18	< 10	< 1	0.22	14	0.61	0.129	0.042	1.63	2	< 1	65	< 0.01	1	< 2	< 10	8	< 10	3	11	0.39
1430025418	32	138	6.89	< 10	< 1	0.14	< 10	2.74	0.297	0.036	1.85	4	5	97	0.02	< 1	< 2	< 10	101	< 10	5	7	1.44
1430025048	7	185	2.63	< 10	< 1	0.14	13	1.00	0.044	0.043	1.66	3	< 1	31	< 0.01	4	< 2	< 10	6	< 10	2	6	0.98
1430023232	18	176	4.63	< 10	< 1	0.10	18	1.43	0.058	0.066	3.76	4	2	48	< 0.01	4	< 2	< 10	19	< 10	6	13	1.29
F014292																							
1429013006	43	390	4.59	< 10	< 1	0.03	< 10	3.02	0.040	0.023	0.51	3	5	62	0.16	4	< 2	< 10	73	< 10	4	3	0.81
1429002237	10	178	2.45	< 10	< 1	0.15	13	0.86	0.061	0.044	0.99	3	1	46	< 0.01	< 1	< 2	< 10	17	< 10	4	7	1.08
1429002233	25	69	5.33	< 10	< 1	0.10	37	2.48	0.051	0.110	2.32	3	6	71	< 0.01	3	< 2	< 10	60	< 10	7	6	1.59
1429002613	14	88	3.19	< 10	< 1	0.16	18	1.54	0.069	0.057	2.46	< 2	1	60	< 0.01	5	< 2	< 10	11	< 10	4	11	1.76
1430035164	28	237	5.61	< 10	< 1	0.15	< 10	2.95	0.029	0.057	1.06	5	8	88	< 0.01	4	< 2	< 10	69	< 10	5	7	1.67
1430035122	35	143	8.34	< 10	< 1	0.48	< 10	1.89	0.084	0.076	3.52	5	9	49	0.18	8	< 2	< 10	132	< 10	9	11	1.30
1430035166	29	197	5.93	< 10	< 1	0.09	< 10	3.17	0.027	0.049	0.87	6	9	80	< 0.01	4	< 2	< 10	79	< 10	4	7	2.17
1429002076	32	169	7.01	< 10	< 1	0.06	< 10	2.31	0.068	0.052	3.79	3	6	43	< 0.01	5	< 2	< 10	94	< 10	6	12	1.23
1430033014	32	116	7.77	10	2	0.18	< 10	2.67	0.319	0.041	3.04	4	6	95	0.03	9	< 2	< 10	116	< 10	5	8	1.27
1316041011	8	167	3.34	< 10	< 1	0.29	14	1.02	0.020	0.041	1.50	2	1	20	0.03	4	< 2	< 10	10	< 10	3	10	0.24
1316041027	9	204	2.21	< 10	< 1	0.27	13	1.03	0.023	0.042	0.93	< 2	< 1	14	< 0.01	< 1	< 2	< 10	8	< 10	3	8	0.22
1429002032	40	223	8.75	< 10	1	0.03	< 10	2.78	0.054	0.045	3.45	6	6	34	< 0.01	2	< 2	< 10	161	< 10	4	6	0.98
1430035016	12	143	2.77	< 10	< 1	0.24	18	1.46	0.068	0.060	1.21	4	2	55	0.01	5	< 2	< 10	19	< 10	4	5	1.45
1430035143	11	146	2.45	< 10	< 1	0.18	17	1.44	0.056	0.059	1.13	2	2	48	< 0.01	2	< 2	< 10	14	< 10	3	6	0.81
1429002131	15	100	3.96	< 10	< 1	0.10	14	1.55	0.074	0.056	2.83	3	3	79	< 0.01	< 1	< 2	< 10	29	< 10	5	12	1.38
1430035218	11	189	2.55	< 10	< 1	0.19	14	1.03	0.046	0.043	1.27	2	< 1	26	< 0.01	4	< 2	< 10	8	< 10	3	5	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
1430033001	13	274	3.13	< 10	< 1	0.28	18	1.44	0.049	0.058	1.82	4	3	27	0.01	4	< 2	< 10	23	< 10	3	9	0.39
1429002156	13	140	3.35	< 10	< 1	0.14	17	1.45	0.084	0.057	2.55	3	2	74	< 0.01	1	< 2	< 10	15	< 10	4	11	1.45
1430035135	8	182	2.28	< 10	< 1	0.22	12	0.85	0.051	0.042	1.39	4	< 1	36	< 0.01	2	< 2	< 10	9	< 10	3	6	0.63
F014890																							
1429013223	47	601	7.24	< 10	< 1	< 0.01	< 10	4.45	0.018	0.020	0.55	6	16	105	0.14	6	< 2	< 10	132	< 10	5	3	2.03
1430034626	17	130	3.40	< 10	< 1	0.17	< 10	1.71	0.030	0.052	0.89	2	2	37	< 0.01	4	< 2	< 10	14	< 10	3	6	1.83
1430034676	13	144	3.05	< 10	< 1	0.19	17	1.63	0.035	0.072	0.43	3	2	41	< 0.01	4	< 2	< 10	16	< 10	3	4	1.51
1429013177	8	145	1.87	< 10	< 1	0.16	13	0.80	0.081	0.042	0.47	3	1	41	< 0.01	< 1	< 2	< 10	15	< 10	3	5	0.64
1430034618	18	107	4.32	< 10	< 1	0.16	< 10	1.58	0.041	0.037	1.15	3	3	31	< 0.01	4	< 2	< 10	20	< 10	2	9	1.45
1430035250	35	164	7.89	< 10	< 1	0.09	< 10	2.85	0.048	0.033	1.29	5	12	46	< 0.01	4	< 2	< 10	111	< 10	5	4	2.32
1430035148	35	146	8.90	10	1	0.62	< 10	2.49	0.076	0.080	2.72	6	11	56	0.19	4	< 2	< 10	156	< 10	10	10	1.29
1430034609	14	118	3.18	< 10	2	0.16	11	1.43	0.057	0.055	0.60	3	2	50	< 0.01	< 1	4	< 10	18	< 10	3	5	1.42
1429002047	14	153	3.54	< 10	< 1	0.14	16	1.35	0.067	0.057	2.86	3	2	68	< 0.01	2	< 2	< 10	13	< 10	5	13	1.49
1430035188	43	294	7.42	10	< 1	0.10	< 10	3.62	0.034	0.048	1.24	6	14	58	< 0.01	2	< 2	< 10	128	< 10	5	6	1.38
1430035230	35	176	9.12	10	< 1	0.42	< 10	2.68	0.030	0.077	2.61	5	10	53	0.14	2	< 2	< 10	136	< 10	9	11	1.09
1429002224	27	220	5.40	< 10	< 1	0.11	13	1.35	0.082	0.062	3.53	4	5	72	< 0.01	1	< 2	< 10	48	< 10	9	13	1.20
1429002256	42	88	7.66	< 10	< 1	0.12	< 10	1.38	0.058	0.052	6.51	4	7	64	< 0.01	4	< 2	< 10	51	< 10	6	7	1.61
1429013409	8	196	2.01	< 10	< 1	0.18	11	1.02	0.066	0.036	1.10	2	< 1	63	< 0.01	4	< 2	< 10	7	< 10	2	7	0.73
1430034600	34	181	6.50	< 10	< 1	0.08	< 10	2.76	0.036	0.030	0.77	4	12	63	< 0.01	3	< 2	< 10	82	< 10	4	5	2.76
1429013106	40	399	3.99	< 10	< 1	< 0.01	< 10	2.59	0.045	0.020	0.39	5	5	48	0.21	5	< 2	< 10	61	< 10	3	3	0.49
1429013171	41	466	5.82	< 10	< 1	0.02	< 10	3.77	0.027	0.021	0.40	6	10	67	0.13	4	< 2	< 10	100	< 10	5	3	1.59
1429013377	49	536	7.84	< 10	< 1	0.04	< 10	4.49	0.014	0.020	0.64	7	21	144	0.07	4	< 2	< 10	146	< 10	6	3	2.23
1430035178	41	181	6.75	< 10	< 1	0.10	< 10	2.33	0.053	0.033	1.09	4	9	41	< 0.01	5	< 2	< 10	88	< 10	5	4	1.92
1430034666	17	116	3.89	< 10	< 1	0.16	< 10	2.37	0.039	0.037	0.55	2	4	35	< 0.01	< 1	< 2	< 10	24	< 10	2	6	2.76
1429002009	6	246	1.92	< 10	< 1	0.12	13	0.65	0.080	0.041	0.90	3	< 1	95	< 0.01	2	< 2	< 10	7	< 10	3	7	1.11
F014894																							
1430022640	38	201	8.03	10	1	0.23	< 10	2.64	0.190	0.044	0.86	4	6	51	0.14	< 1	< 2	< 10	183	< 10	5	4	1.34
1430022096	48	87	11.2	10	< 1	0.19	< 10	2.86	0.039	0.040	6.03	5	13	44	0.17	5	< 2	< 10	356	< 10	7	5	1.67
1430022119	40	86	10.5	10	2	0.09	< 10	3.03	0.026	0.042	1.03	5	17	46	0.17	3	< 2	< 10	530	< 10	7	4	2.13
1429002200	18	162	4.62	< 10	< 1	0.10	17	1.74	0.050	0.065	2.53	5	3	50	< 0.01	4	< 2	< 10	44	< 10	6	9	0.93
1429011158	14	149	3.26	< 10	< 1	0.12	11	1.04	0.065	0.043	1.46	3	2	36	< 0.01	1	< 2	< 10	49	< 10	4	7	0.50
1430022615	61	155	9.75	10	< 1	0.03	< 10	4.67	0.012	0.031	0.72	6	11	48	0.08	< 1	< 2	< 10	143	< 10	7	4	1.78
1429011115	8	100	2.06	< 10	< 1	0.20	< 10	0.88	0.054	0.039	1.17	< 2	< 1	31	< 0.01	2	< 2	< 10	4	< 10	2	6	1.08
1430022350	25	177	6.22	10	< 1	0.51	< 10	2.20	0.275	0.044	1.05	4	10	79	0.12	< 1	< 2	< 10	162	< 10	7	8	1.61
1429011133	16	159	3.16	< 10	< 1	0.09	16	1.09	0.055	0.047	0.99	3	3	27	< 0.01	1	< 2	< 10	32	< 10	3	6	0.02
1430022836	37	214	8.42	10	< 1	0.04	< 10	2.88	0.123	0.043	0.18	6	10	45	0.13	< 1	< 2	< 10	193	< 10	8	4	1.52
1430022800	34	212	7.96	10	< 1	0.39	< 10	2.21	0.215	0.044	0.78	8	8	87	0.15	9	< 2	< 10	236	< 10	7	4	1.42
1429013273	46	448	5.95	< 10	< 1	0.02	< 10	3.72	0.033	0.021	0.37	4	9	82	0.15	< 1	< 2	< 10	97	< 10	4	3	1.48
1429013391	34	425	4.56	< 10	< 1	0.02	< 10	2.79	0.063	0.022	0.18	5	8	68	0.15	1	< 2	< 10	73	< 10	4	3	0.81
1430022356	33	198	7.80	10	< 1	0.07	< 10	2.50	0.042	0.044	0.29	6	10	22	0.15	5	< 2	< 10	222	< 10	8	3	1.42
1430022819	36	201	8.28	10	< 1	0.06	< 10	2.50	0.124	0.044	0.32	4	5	38	0.14	3	< 2	< 10	180	< 10	6	4	1.38
1430034690	18	113	3.65	< 10	< 1	0.14	18	1.48	0.041	0.059	0.75	3	2	42	< 0.01	10	< 2	< 10	15	< 10	4	5	1.40
1429002012	11	112	2.24	< 10	< 1	0.16	17	1.07	0.077	0.059	1.34	3	1	73	< 0.01	< 1	< 2	< 10	9	< 10	3	7	1.10
1430034642	29	184	6.50	< 10	< 1	0.17	11	2.09	0.036	0.043	2.59	4	5	26	< 0.01	2	< 2	< 10	44	< 10	4	13	1.50
1430022842	35	252	8.32	10	< 1	0.23	< 10	2.30	0.314	0.046	1.18	4	9	89	0.10	< 1	< 2	< 10	181	< 10	8	4	1.74
1429013268	8	185	2.00	< 10	< 1	0.21	12	0.73	0.057	0.043	0.33	2	2	54	0.06	< 1	< 2	< 10	22	< 10	3	10	0.59
1430022616	58	184	10.0	10	2	0.09	< 10	4.47	0.019	0.035	0.73	4	11	39	0.10	3	< 2	< 10	153	< 10	7	4	1.90
F014893																							
1430025158	10	146	2.60	< 10	< 1	0.18	14	1.15	0.134	0.043	1.42	3	1	65	< 0.01	< 1	< 2	< 10	14	< 10	3	8	0.60
1429010124	55	513	7.06	< 10	< 1	0.05	< 10	4.41	0.020	0.020	1.78	6	10	62	0.14	3	< 2	< 10	106	< 10	4	3	1.59
1429010076	18	305	3.23	< 10	< 1	0.12	10	1.67	0.036	0.036	0.82	3	7	62	0.02	2	< 2	< 10	46	< 10	3	7	0.89

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
1430025358	39	147	8.18	< 10	< 1	0.06	< 10	2.96	0.085	0.032	0.95	5	15	54	< 0.01	7	< 2	< 10	136	< 10	6	4	2.30
1430025179	24	106	6.97	< 10	< 1	0.25	< 10	2.08	0.029	0.062	2.25	3	6	35	0.09	4	< 2	< 10	86	< 10	7	12	1.08
1314511003	11	151	3.13	< 10	< 1	0.16	14	1.71	0.126	0.047	1.37	4	2	77	0.01	2	< 2	< 10	25	< 10	4	12	0.50
1430021129	35	80	9.77	< 10	1	0.49	< 10	2.09	0.133	0.060	6.17	5	10	99	0.13	4	< 2	< 10	138	< 10	11	9	1.85
1430021152	28	66	7.03	< 10	< 1	0.12	< 10	2.06	0.147	0.053	3.34	4	6	73	0.07	8	< 2	< 10	98	< 10	8	13	1.62
1430021083	30	72	9.34	< 10	< 1	0.20	< 10	2.39	0.081	0.060	5.81	5	8	51	0.10	2	< 2	< 10	106	< 10	10	7	2.29
1430029002	7	92	2.03	< 10	< 1	0.18	< 10	1.05	0.042	0.037	1.55	3	< 1	44	< 0.01	3	< 2	< 10	5	< 10	2	6	0.96
1430029654	8	116	2.18	< 10	< 1	0.17	< 10	1.05	0.041	0.041	1.23	< 2	1	46	< 0.01	3	< 2	< 10	10	< 10	2	5	1.12
1430028077	11	141	2.58	< 10	< 1	0.17	13	0.77	0.060	0.053	1.55	3	1	27	0.01	2	< 2	< 10	16	< 10	2	9	0.36
1430027078	37	45	9.55	10	2	0.08	< 10	2.21	0.073	0.075	0.50	7	22	49	0.14	3	< 2	< 10	291	< 10	13	5	1.89
1429011097	11	119	2.36	< 10	< 1	0.11	14	0.94	0.099	0.051	1.06	3	1	51	< 0.01	< 1	< 2	< 10	13	< 10	2	6	0.05
1430028114	11	101	2.46	< 10	< 1	0.16	15	0.95	0.059	0.072	1.55	2	1	36	0.01	< 1	< 2	< 10	14	< 10	2	6	0.19
1430028058	14	166	2.82	< 10	< 1	0.19	14	0.92	0.074	0.073	0.92	2	3	39	0.08	4	< 2	< 10	40	< 10	4	7	0.23
1314511015	42	116	12.9	10	< 1	0.19	< 10	2.22	0.124	0.068	11.1	6	12	77	0.12	8	< 2	< 10	166	< 10	9	9	0.46
1430023631	19	142	4.74	< 10	< 1	0.11	19	1.61	0.062	0.065	3.34	4	3	53	< 0.01	3	< 2	< 10	22	< 10	6	12	1.11
1429010068	46	442	5.23	< 10	< 1	0.04	< 10	3.18	0.042	0.023	1.15	3	5	33	0.18	3	< 2	< 10	73	< 10	3	3	0.88
F014892																							
1430028642	15	209	2.90	< 10	< 1	0.09	22	1.16	0.032	0.101	2.37	2	2	18	< 0.01	3	< 2	< 10	13	< 10	3	8	0.08
1430027084	38	158	9.82	10	2	0.09	< 10	2.95	0.158	0.067	0.86	5	17	92	0.11	2	< 2	< 10	216	< 10	11	7	2.13
1430034651	50	179	9.31	< 10	2	0.11	< 10	3.13	0.054	0.036	5.76	5	9	41	< 0.01	4	< 2	< 10	76	< 10	5	6	2.01
1430027004	31	240	6.55	10	< 1	0.18	< 10	2.51	0.353	0.045	0.84	3	6	158	0.10	2	< 2	< 10	120	< 10	5	7	1.37
1430028018	14	189	3.09	< 10	< 1	0.17	17	1.14	0.064	0.056	1.30	3	2	35	0.03	< 1	< 2	< 10	25	< 10	3	9	0.20
1430028022	13	133	2.72	< 10	< 1	0.13	18	1.27	0.047	0.007	1.86	< 2	< 1	21	< 0.01	8	< 2	< 10	9	< 10	2	10	0.08
1430022074	34	235	8.18	10	2	0.20	< 10	2.72	0.037	0.060	1.05	5	11	70	0.12	2	< 2	< 10	195	< 10	7	5	1.94
1429011016	8	154	1.97	< 10	< 1	0.14	< 10	0.82	0.028	0.039	1.41	4	< 1	31	< 0.01	6	< 2	< 10	3	< 10	1	6	1.10
1429011022	7	197	2.01	< 10	< 1	0.18	< 10	0.93	0.048	0.038	1.14	3	< 1	44	< 0.01	< 1	< 2	< 10	4	< 10	2	6	1.44
1430022064	39	162	9.31	10	1	0.29	< 10	3.15	0.030	0.075	0.70	4	18	94	0.11	< 1	< 2	< 10	314	< 10	8	6	2.49
1430034732	48	160	8.89	< 10	3	0.07	< 10	2.79	0.060	0.030	2.44	5	14	46	< 0.01	9	< 2	< 10	121	< 10	5	5	2.22
1429011061	8	76	2.17	< 10	< 1	0.17	< 10	0.91	0.048	0.041	1.72	4	< 1	34	< 0.01	3	< 2	< 10	5	< 10	2	8	0.94
1430028660	16	139	3.22	< 10	< 1	0.13	< 10	1.06	0.057	0.053	1.29	2	3	30	0.08	2	< 2	< 10	46	< 10	4	9	0.26
1430034710	36	141	7.28	< 10	< 1	0.19	10	1.66	0.055	0.054	5.10	3	5	28	< 0.01	5	< 2	< 10	34	< 10	6	14	1.13
1430027030	36	177	9.42	10	< 1	0.43	< 10	2.76	0.288	0.063	1.24	6	16	97	0.14	< 1	< 2	< 10	218	< 10	10	5	2.21
1430022922	11	144	2.54	< 10	< 1	0.20	16	1.21	0.193	0.048	0.56	2	2	73	0.02	5	< 2	< 10	23	< 10	4	3	0.54
1430022656	41	218	8.55	10	< 1	0.13	< 10	3.16	0.216	0.042	0.46	5	11	96	0.11	< 1	< 2	< 10	177	< 10	8	4	1.90
1430022067	36	213	8.49	< 10	< 1	0.10	< 10	2.96	0.073	0.042	2.32	5	5	41	0.12	3	< 2	< 10	135	< 10	6	4	1.59
1430034746	21	297	4.56	< 10	< 1	0.18	< 10	2.42	0.038	0.066	2.15	4	5	64	< 0.01	6	< 2	< 10	33	< 10	3	8	1.77
1429002061	11	63	2.94	< 10	< 1	0.08	17	1.42	0.058	0.059	0.97	3	2	64	< 0.01	2	< 2	< 10	21	< 10	4	4	0.98
1429002118	9	91	2.07	< 10	1	0.10	14	0.98	0.064	0.047	0.85	3	1	48	< 0.01	< 1	< 2	< 10	12	< 10	2	7	0.45
F014997																							
1429023065	8	75	2.22	< 10	< 1	0.16	< 10	0.95	0.052	0.044	2.03	3	< 1	101	< 0.01	4	< 2	< 10	5	< 10	2	10	1.06
1430037038	31	129	10.8	20	< 1	0.15	< 10	1.69	0.168	0.115	2.07	6	14	63	0.17	< 1	< 2	< 10	96	< 10	16	12	1.72
1430037070	36	159	8.98	10	< 1	0.06	< 10	2.19	0.082	0.052	0.16	3	18	37	0.21	< 1	< 2	< 10	423	< 10	10	6	1.51
1430037055	32	152	8.12	10	< 1	0.06	< 10	1.95	0.146	0.049	0.28	4	14	37	0.28	6	< 2	< 10	351	< 10	9	6	0.84
1430033067	8	194	2.93	< 10	< 1	0.22	14	0.93	0.079	0.041	2.02	5	< 1	37	< 0.01	< 1	< 2	< 10	9	< 10	3	12	0.66
1430033095	33	123	7.38	10	1	0.30	< 10	2.99	0.279	0.034	0.58	5	9	99	0.09	1	< 2	< 10	117	< 10	6	5	1.79
1429023068	7	103	1.77	< 10	< 1	0.26	10	0.67	0.083	0.046	1.64	3	< 1	113	< 0.01	4	< 2	< 10	6	< 10	2	9	0.95
1430035031	30	224	7.89	< 10	< 1	0.59	23	2.40	0.041	0.099	2.44	5	9	44	0.15	3	< 2	< 10	116	< 10	11	13	1.15
1430035019	19	126	5.01	< 10	< 1	0.23	13	1.51	0.060	0.061	2.39	5	4	48	0.05	2	< 2	< 10	43	< 10	6	12	1.32
1430033104	40	155	8.26	10	1	0.19	< 10	2.93	0.341	0.041	2.37	5	7	82	0.05	< 1	< 2	< 10	149	< 10	5	8	1.39
1316041060	8	115	2.07	< 10	< 1	0.34	12	0.38	0.019	0.041	1.83	4	< 1	17	< 0.01	1	< 2	< 10	5	< 10	3	14	0.57
1429013348	7	141	2.07	< 10	< 1	0.15	< 10	0.84	0.062	0.037	1.36	4	< 1	41	< 0.01	2	< 2	< 10	8	< 10	2	7	0.96

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
1430037389	24	147	4.96	< 10	< 1	0.14	< 10	1.36	0.148	0.046	0.90	< 2	9	41	0.14	< 1	< 2	< 10	126	< 10	6	10	0.64
1429023038	8	171	2.17	< 10	< 1	0.22	< 10	1.07	0.052	0.035	2.12	5	< 1	43	< 0.01	5	< 2	< 10	5	< 10	2	12	1.03
1430033100	32	153	6.89	< 10	< 1	0.13	< 10	2.63	0.262	0.043	2.01	5	5	88	0.02	< 1	< 2	< 10	104	< 10	5	8	1.31
1430033140	32	189	7.02	< 10	< 1	0.12	< 10	2.10	0.313	0.038	3.05	6	4	84	0.03	4	< 2	< 10	92	< 10	4	8	1.10
F014996																							

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1308002024	1.23	
1308002040	2.94	
1308002004	1.46	
1308002117	1.85	
1308002081	1.93	308
1308002038	1.30	
1430019808	1.02	
1431091015	1.03	
1431043115	1.53	
1308002086	1.02	
1308002071	0.99	
1308002151	1.09	
1308002154	1.18	
1308002178	1.41	
1316036002	0.91	
F014463		
F014456		
1316036015	0.89	
1316036028	0.82	
1316035054	1.01	
1316035033	1.22	
1316034080	0.83	
1316035047	1.19	
1316034069	1.67	
1316034010	0.72	
1316034040	1.54	
1314014005	2.41	
1429009016	1.54	
1316034038	1.32	
1316038079	2.15	
1316037087	3.93	8.24
1316038636	1.11	
1430024144	5.53	
1316038646	1.97	
1430024151	5.66	
1316038094	2.13	
1429009048	2.03	
1316039018	0.94	
1316039001	2.57	
1316039919	2.75	
1316039072	3.05	
1316039930	4.57	
F014462		5.49
F014473		5.58
1430010312	2.52	
1429009064	0.97	
1316036200	0.87	
1316036620	0.62	
1316036259	1.14	
1316036278	0.93	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430004132	3.18	
1316038018	1.66	
1316039944	0.61	
1316039060	2.94	
1430004072	1.95	
1429009174	0.82	
1316036240	1.12	
1316035620	2.20	
1316036650	1.71	
1316036645	1.17	
1430025059	1.95	
1316036662	0.92	
1316036217	1.07	
1430025041	1.56	
1316035214	1.95	
F014287		
1430023055	2.70	
1430023004	3.14	
1316034231	1.45	
1430025482	1.69	
1430025006	2.32	
1430025437	7.06	
1430025007	2.10	
1430025008	2.81	
1316034021	1.53	
1316034622	0.47	
1316034636	0.38	
1316034211	0.44	
1316034605	1.26	
1430025423	5.16	
1430023001	3.03	
1316035611	1.63	
1430025418	2.13	
1430025048	1.62	
1430023232	3.93	
F014292		
1429013006	0.55	
1429002237	0.99	
1429002233	2.56	
1429002613	2.53	
1430035164	1.07	
1430035122	3.80	
1430035166	0.94	
1429002076	4.26	
1430033014	3.27	
1316041011	1.54	
1316041027	0.95	
1429002032	3.72	
1430035016	1.21	
1430035143	1.11	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1429002131	2.99	
1430035218	1.23	
1430033001	1.84	
1429002156	2.64	
1430035135	1.46	
F014890		
1429013223	0.61	
1430034626	0.91	
1430034676	0.44	
1429013177	0.50	
1430034618	1.17	
1430035250	1.35	
1430035148	2.99	
1430034609	0.64	
1429002047	2.94	
1430035188	1.34	
1430035230	2.88	
1429002224	3.70	
1429002256	6.68	
1429013409	1.04	
1430034600	0.93	
1429013106	0.40	
1429013171	0.49	
1429013377	0.71	
1430035178	1.10	
1430034666	0.57	
1429002009	0.90	
F014894		
1430022640	0.96	
1430022096	6.64	
1430022119	1.14	
1429002200	2.58	
1429011158	1.53	
1430022615	0.82	
1429011115	1.20	
1430022350	1.16	
1429011133	1.07	
1430022836	0.21	
1430022800	0.88	
1429013273	0.40	
1429013391	0.20	
1430022356	0.33	
1430022819	0.32	
1430034690	0.81	
1429002012	1.39	
1430034642	2.73	
1430022842	1.36	
1429013268	0.32	
1430022616	0.81	
F014893		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430025158	1.37	
1429010124	1.91	
1429010076	0.81	
1430025358	1.03	
1430025179	2.24	
1314511003	1.44	
1430021129	6.37	
1430021152	3.33	
1430021083	6.16	
1430029002	1.60	
1430029654	1.27	
1430028077	1.56	
1430027078	0.55	
1429011097	1.09	
1430028114	1.54	
1430028058	0.92	
1314511015	11.8	5.80
1430023631	3.53	
1429010068	1.22	
F014892		5.59
1430028642	2.32	
1430027084	0.89	
1430034651	5.61	
1430027004	0.86	
1430028018	1.29	
1430028022	1.83	
1430022074	1.19	
1429011016	1.42	
1429011022	1.16	
1430022064	0.79	
1430034732	2.68	
1429011061	1.67	
1430028660	1.30	
1430034710	5.15	
1430027030	1.34	
1430022922	0.56	
1430022656	0.51	
1430022067	2.46	
1430034746	2.36	
1429002061	1.01	
1429002118	0.84	
F014997		
1429023065	1.95	
1430037038	2.28	
1430037070	0.17	
1430037055	0.30	
1430033067	1.98	
1430033095	0.63	
1429023068	1.58	
1430035031	2.48	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430035019	2.44	
1430033104	2.61	
1316041060	1.81	
1429013348	1.39	
1430037389	0.95	
1429023038	2.11	
1430033100	2.13	
1430033140	3.11	
F014996		

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								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								41.3															
BaSO4 Cert								41.94															
BaSO4 Meas								42.5															
BaSO4 Cert								41.94															
BaSO4 Meas								41.2															
BaSO4 Cert								41.94															
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								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								42.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.3															
BaSO4 Cert								41.94															
BaSO4 Meas								42.2															
BaSO4 Cert								41.94															
BaSO4 Meas								42.1															
BaSO4 Cert								41.94															
BaSO4 Meas								41.2															
BaSO4 Cert								41.94															
BaSO4 Meas								41.5															
BaSO4 Cert								41.94															
BaSO4 Meas								41.7															
BaSO4 Cert								41.94															
BaSO4 Meas								41.8															
BaSO4 Cert								41.94															
BaSO4 Meas								42.2															
BaSO4 Cert								41.94															
RTS-3a Meas								29.9															
RTS-3a Cert								29.90															
RTS-3a Meas								30.0															
RTS-3a Cert								29.90															
RTS-3a Meas								30.0															
RTS-3a Cert								29.90															
RTS-3a Meas								30.1															
RTS-3a Cert								29.90															
RTS-3a Meas								29.9															
RTS-3a Cert								29.90															
RTS-3a Meas								30.0															

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
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								29.1															
RTS-3a Cert								29.90															
RTS-3a Meas								29.2															
RTS-3a Cert								29.90															
GS311-4 Meas																							
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															
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SiO2 Meas								0.05															
SiO2 Cert																							
SiO2 Meas								0.05															
SiO2 Cert																							
SiO2 Meas								0.06															
SiO2 Cert																							
SiO2 Meas								0.06															
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																							
NBM-1 (slight fzz) Meas				8.80																			
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				8.73																			
NBM-1 (slight fzz) Cert				8.53																			
OREAS 922 (AQUA REGIA) Meas									0.6	< 0.5	2330	807	< 1	34	58	258	2.97	5		76	0.8	9	0.40
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
OREAS 922 (AQUA REGIA) Meas									0.5	< 0.5	2290	760	< 1	33	57	249	2.75	5		67	0.7	8	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 923 (AQUA REGIA) Meas									1.3	< 0.5	4520	910	< 1	34	80	335	2.96	6		61	0.7	21	0.41
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									1.2	< 0.5	4300	864	< 1	31	77	325	2.77	7		48	0.6	19	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 931 (AQUA REGIA) Meas									13.8		> 10000				143	446	2.60	9					0.39
OREAS 931 (AQUA REGIA) Cert									14.18		38100				146	472	2.59	11.3					0.343
OREAS 522 (Aqua Regia) Meas									1.1		8880	3350	206	60	13	25	1.31	469			< 0.5	8	3.03
OREAS 522 (Aqua Regia) Cert									1.23		9040	3670	198	64.0	12.5	28.3	1.29	492			0.410	8.87	3.43
OREAS 522 (4 Acid) Meas									1.0		8430	3230	196	59	8	27	1.17	447			< 0.5	5	2.91
OREAS 522 (4 Acid) Cert									1.31		9160	3970	206	70.0	12.5	30.2	3.95	490			0.700	8.72	3.65
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) 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
OREAS 45f (Aqua Regia) Meas											370	180	2	246	12	26	7.28			146	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	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3020																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2970																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3030																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3120																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2950																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3120																						
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																							

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																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	490																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	528																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	497																						
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	514																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	508																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	518																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	530																						
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																							

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																							
GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									38.2	173	1820	461	11	14	> 5000	> 10000	1.27	51		13	0.7	2	1.35
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29
Oreas 620 (Aqua Regia) Meas									37.3	169	1800	445	11	15	> 5000	> 10000	1.20	50		14	0.7	< 2	1.33
Oreas 620 (Aqua Regia) Cert									38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29
OREAS L15 Meas																							
OREAS L15 Cert																							
OREAS L14 Meas	3240																						
OREAS L14 Cert	3240.00																						
OREAS L16 Meas																							
OREAS L16 Cert																							
1308002081 Orig																							
1308002081 Dup																							
1308002086 Orig	555																						
1308002086 Dup	553																						
1308002154 Orig									< 0.2	< 0.5	125	240	< 1	15	4	24	2.93	3	< 10	33	< 0.5	< 2	1.66
1308002154 Dup									< 0.2	< 0.5	130	238	1	15	4	24	2.94	6	< 10	37	< 0.5	< 2	1.66
1316035054 Orig	270																						
1316035054 Dup	266																						
1316035033 Orig								0.54															
1316035033 Dup								0.55															
1316035047 Orig																							
1316035047 Dup																							
1316034038 Orig									0.6	0.7	25	898	< 1	8	111	247	1.33	38	< 10	29	< 0.5	< 2	2.00
1316034038 Dup									0.7	0.7	25	912	< 1	10	109	250	1.36	37	< 10	29	< 0.5	< 2	2.04
1316037087 Orig	> 5000																						
1316037087 Dup	> 5000																						
1430024144 Orig																							
1430024144 Dup																							
1316038646 Orig								0.57															
1316038646 Dup								0.55															
1316039930 Orig	546								2.8	3.3	85	459	< 1	22	64	773	0.55	148	< 10	12	< 0.5	3	0.93
1316039930 Dup	502								2.6	3.5	81	454	< 1	21	62	794	0.54	146	< 10	13	< 0.5	3	0.92
1430010312 Orig								0.84															
1430010312 Dup								0.89															

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
1429009064 Orig																							
1429009064 Dup																							
1316036278 Orig		Slight	31.6		56.2	2.28	24.65																
1316036278 Dup		Slight	30.0		54.7	2.22	24.65																
1316039060 Orig	451																						
1316039060 Dup	451																						
1429009174 Orig																							
1429009174 Dup																							
1316035620 Orig								1.15	0.9	0.9	85	1160	< 1	22	67	337	1.61	35	< 10	25	< 0.5	< 2	2.66
1316035620 Dup								1.09	1.0	1.0	87	1190	1	23	67	350	1.65	34	< 10	28	< 0.5	< 2	2.73
1430023055 Orig	43																						
1430023055 Dup	39																						
1430023004 Orig								2.15															
1430023004 Dup								2.10															
1316034021 Orig				8.98																			
1316034021 Dup				8.98																			
1316034211 Orig																							
1316034211 Dup																							
1430025423 Orig	335																						
1430025423 Dup	306																						
1430023001 Orig								2.24															
1430023001 Dup								2.30															
1316035611 Orig									1.5	< 0.5	33	709	1	14	30	122	1.81	46	< 10	28	< 0.5	< 2	1.63
1316035611 Dup									1.2	< 0.5	35	722	1	14	28	123	1.83	40	< 10	31	< 0.5	< 2	1.64
1429002613 Orig	44																						
1429002613 Dup	43																						
1430035164 Orig								0.92															
1430035164 Dup								0.93															
1316041027 Orig									0.2	< 0.5	16	610	1	17	15	152	1.65	33	< 10	31	< 0.5	< 2	0.49
1316041027 Dup									< 0.2	< 0.5	15	607	1	17	13	148	1.63	27	< 10	31	< 0.5	< 2	0.49
1429002032 Orig		Slight	-3.29		82.1	0.961	85.37																
1429002032 Dup		Slight	-5.03		80.3	0.941	85.37																
1430035143 Orig																							
1430035143 Dup																							
1429002131 Orig	34																						
1429002131 Dup	31																						
1429002156 Orig								1.18															
1429002156 Dup								1.18															
1430034618 Orig									2.1	3.2	77	1340	1	47	3	964	2.00	23	< 10	39	< 0.5	< 2	2.82
1430034618 Dup									2.3	3.1	78	1310	1	49	2	946	1.94	23	< 10	38	< 0.5	< 2	2.75
1430035250 Orig	253																						
1430035250 Dup	257																						
1430034609 Orig								0.65															
1430034609 Dup								0.65															
1429013106 Orig																							
1429013106 Dup																							
1429013377 Orig	65																						
1429013377 Dup	66																						
1430035178 Orig									10.0	15.0	114	2230	< 1	110	< 2	2450	3.31	15	< 10	32	< 0.5	4	3.65

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
1430035178 Dup									10.0	14.9	112	2250	< 1	109	< 2	2480	3.31	17	< 10	32	< 0.5	4	3.68
1430022615 Orig																							
1430022615 Dup																							
1429011133 Orig	56							0.34															
1429011133 Dup	54							0.32															
1429013273 Orig			110		116	19.2	6.05																
1429013273 Dup			109		115	19.1	6.05																
1430022356 Orig									< 0.2	< 0.5	106	934	< 1	55	< 2	95	3.32	4	< 10	11	< 0.5	< 2	3.98
1430022356 Dup									< 0.2	< 0.5	104	935	< 1	56	< 2	97	3.37	< 2	< 10	11	< 0.5	< 2	3.90
1430034690 Orig																							
1430034690 Dup																							
1430034642 Orig		Slight	-1.11		68.5	0.984	69.64																
1430034642 Dup		Slight	0.772		70.4	1.01	69.64																
1429013268 Orig				9.73																			
1429013268 Dup				9.73																			
1430022616 Orig	1430																						
1430022616 Dup	1510																						
1430025158 Orig								0.51															
1430025158 Dup								0.55															
1314511003 Orig																							
1314511003 Dup																							
1430021129 Orig									2.5	0.8	100	1390	1	57	4	261	2.89	25	< 10	11	< 0.5	2	3.86
1430021129 Dup									2.2	0.8	102	1400	2	56	6	255	2.89	27	< 10	11	< 0.5	< 2	3.79
1430029002 Orig	181							0.62															
1430029002 Dup	166							0.64															
1430028058 Orig																							
1430028058 Dup																							
1430028642 Orig	81								0.6	3.2	88	516	< 1	33	35	955	1.54	15	< 10	20	< 0.5	< 2	0.28
1430028642 Dup	72								0.6	3.3	90	524	< 1	31	37	966	1.58	18	< 10	22	< 0.5	< 2	0.29
1430027004 Orig								0.75															
1430027004 Dup								0.74															
1429011016 Orig																							
1429011016 Dup																							
1429011061 Orig	81																						
1429011061 Dup	64																						
1430028660 Orig								0.47															
1430028660 Dup								0.46															
1430027030 Orig									0.2	< 0.5	89	1620	< 1	66	6	215	4.87	7	< 10	52	< 0.5	< 2	4.43
1430027030 Dup									0.2	< 0.5	81	1610	< 1	64	5	215	4.83	11	< 10	57	< 0.5	< 2	4.41
1430022067 Orig																							
1430022067 Dup																							
1430037038 Orig	302																						
1430037038 Dup	341																						
1430037070 Orig		Slight																					
1430037070 Dup		Slight																					
1430033067 Orig								0.67															
1430033067 Dup								0.70															
1430035031 Orig																							
1430035031 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
1429023038 Orig								0.74															
1429023038 Dup								0.68															
1430033100 Orig	102			8.70																			
1430033100 Dup	107			8.69																			
1430033140 Orig		Slight																					
1430033140 Dup		Slight																					
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									< 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	< 5																						
Method Blank																							
Method Blank																							
Method Blank	< 5																						
Method Blank	5																						
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
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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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
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
GS311-4 Meas																							1.11
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																							1.08
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
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
GS311-4 Meas																							1.09
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																							0.02
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							0.01
SiO2 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																							
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	46	5.42	< 10		0.42	35	1.34	0.021	0.065	0.38	3	4	17			< 2	< 10	34	< 10	21	11	
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	5.05	< 10		0.36	32	1.26	0.019	0.060	0.35	2	3	16			< 2	< 10	31	< 10	18	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	22	43	6.14	< 10		0.35	32	1.42		0.061	0.68	< 2	4	15			< 2	< 10	33	< 10	19	13	
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	40	5.83	< 10		0.30	30	1.35		0.058	0.64	3	3	14			< 2	< 10	30	< 10	16	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 931 (AQUA REGIA) Meas	46		10.6					1.26			4.04												
OREAS 931 (AQUA REGIA) Cert	45.3		10.96					1.35			4.09												
OREAS 522 (Aqua Regia) Meas	478	26	22.9	< 10		0.55	120	1.02		0.084	2.28	12	7	36	0.15	2	< 2	28	139	99	13	52	
OREAS 522 (Aqua Regia) Cert	533	28.6	24.13	13.2		0.528	192	1.07		0.0890	2.59	5.39	8.18	64.0	0.146	1.11	0.130	40.2	153	113	14.9	45.7	
OREAS 522 (4 Acid) Meas	465	25	21.7	< 10		0.46	116	0.96	0.049	0.081	2.23	10	7	35	0.14	3	< 2	25	133	96	12	49	
OREAS 522 (4 Acid) Cert	550	29.6	24.6	16.0		2.83	171	1.12	0.633	0.0890	2.50	7.93	10.9	199	0.344	1.14	0.290	42.2	164	135	18.5	112	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	43	371	14.5	20	< 1	0.09	< 10	0.18	0.036	0.022	0.02		29	15	0.13		< 2	< 10	207		6	22	
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																							

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																							
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																							
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																							0.07
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																							0.07
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.06
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.07
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
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (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																							
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 Assay) Cert																							
GS317-5 Meas																							8.41
GS317-5 Cert																							8.46
GS317-5 Meas																							8.16
GS317-5 Cert																							8.46
GS317-5 Meas																							8.01
GS317-5 Cert																							8.46
GS317-5 Meas																							8.04
GS317-5 Cert																							8.46
GS317-5 Meas																							8.59
GS317-5 Cert																							8.46
GS317-5 Meas																							8.58
GS317-5 Cert																							8.46
GS317-5 Meas																							8.67
GS317-5 Cert																							8.46
GS317-5 Meas																							8.48
GS317-5 Cert																							8.46
GS317-5 Meas																							8.66
GS317-5 Cert																							8.46
GS317-5 Meas																							8.64
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	13	18	2.72	< 10	2	0.29	26	0.27	0.119	0.031	2.57	66		20			< 2	< 10	8	< 10	8	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	18	2.65	< 10	2	0.27	24	0.27	0.112	0.030	2.49	57		19			< 2	< 10	8	< 10	8	39	
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 L15 Meas																							
OREAS L15 Cert																							
OREAS L14 Meas																							
OREAS L14 Cert																							
OREAS L16 Meas																							
OREAS L16 Cert																							
1308002081 Orig																							
1308002081 Dup																							
1308002086 Orig																							
1308002086 Dup																							
1308002154 Orig	7	25	2.45	< 10	< 1	0.14	11	0.76	0.174	0.039	1.14	2	1	132	< 0.01	< 1	< 2	< 10	10	< 10	2	7	
1308002154 Dup	7	25	2.47	< 10	< 1	0.13	11	0.76	0.173	0.040	1.15	3	1	129	< 0.01	3	< 2	< 10	10	< 10	2	7	
1316035054 Orig																							
1316035054 Dup																							
1316035033 Orig																							
1316035033 Dup																							
1316035047 Orig																							0.61
1316035047 Dup																							0.61
1316034038 Orig	7	61	1.74	< 10	< 1	0.21	16	0.62	0.046	0.041	1.38	2	< 1	32	< 0.01	< 1	< 2	< 10	5	< 10	3	5	
1316034038 Dup	7	61	1.75	< 10	< 1	0.22	17	0.63	0.046	0.042	1.38	3	< 1	32	< 0.01	< 1	< 2	< 10	5	< 10	3	6	
1316037087 Orig																							
1316037087 Dup																							
1430024144 Orig																							1.75
1430024144 Dup																							1.74
1316038646 Orig																							
1316038646 Dup																							
1316039930 Orig	13	135	4.13	< 10	< 1	0.17	< 10	0.24	0.019	0.040	4.54	9	< 1	21	< 0.01	2	< 2	< 10	3	< 10	2	17	
1316039930 Dup	13	139	4.03	< 10	< 1	0.17	< 10	0.24	0.018	0.040	4.42	10	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	2	17	
1430010312 Orig																							
1430010312 Dup																							
1429009064 Orig																							0.61
1429009064 Dup																							0.62
1316036278 Orig																							
1316036278 Dup																							
1316039060 Orig																							
1316039060 Dup																							
1429009174 Orig																							2.15
1429009174 Dup																							2.12
1316035620 Orig	14	139	3.73	< 10	< 1	0.26	< 10	0.63	0.085	0.045	2.20	3	3	57	0.05	4	< 2	< 10	48	< 10	4	15	
1316035620 Dup	15	140	3.84	< 10	< 1	0.27	< 10	0.65	0.087	0.046	2.21	4	3	58	0.05	4	< 2	< 10	49	< 10	4	15	
1430023055 Orig																							
1430023055 Dup																							
1430023004 Orig																							1.31
1430023004 Dup																							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
1316034021 Orig																							
1316034021 Dup																							
1316034211 Orig																							0.58
1316034211 Dup																							0.58
1430025423 Orig																							
1430025423 Dup																							
1430023001 Orig																							
1430023001 Dup																							
1316035611 Orig	9	129	2.18	< 10	< 1	0.22	14	0.61	0.129	0.042	1.63	2	< 1	65	< 0.01	1	< 2	< 10	8	< 10	3	11	
1316035611 Dup	9	130	2.19	< 10	< 1	0.22	14	0.62	0.129	0.043	1.63	3	< 1	68	< 0.01	4	< 2	< 10	8	< 10	3	12	
1429002613 Orig																							1.76
1429002613 Dup																							1.76
1430035164 Orig																							
1430035164 Dup																							
1316041027 Orig	9	204	2.21	< 10	< 1	0.27	13	1.03	0.023	0.042	0.93	< 2	< 1	14	< 0.01	< 1	< 2	< 10	8	< 10	3	8	
1316041027 Dup	9	205	2.19	< 10	< 1	0.27	13	1.02	0.022	0.041	0.92	< 2	< 1	14	< 0.01	< 1	< 2	< 10	7	< 10	3	8	
1429002032 Orig																							
1429002032 Dup																							
1430035143 Orig																							0.81
1430035143 Dup																							0.81
1429002131 Orig																							
1429002131 Dup																							
1429002156 Orig																							
1429002156 Dup																							
1430034618 Orig	18	107	4.32	< 10	< 1	0.16	< 10	1.58	0.041	0.037	1.15	3	3	31	< 0.01	4	< 2	< 10	20	< 10	2	9	
1430034618 Dup	18	105	4.21	< 10	< 1	0.16	< 10	1.53	0.039	0.036	1.13	3	3	30	< 0.01	4	< 2	< 10	19	< 10	2	9	
1430035250 Orig																							2.32
1430035250 Dup																							2.33
1430034609 Orig																							
1430034609 Dup																							
1429013106 Orig																							0.49
1429013106 Dup																							0.49
1429013377 Orig																							
1429013377 Dup																							
1430035178 Orig	41	181	6.75	< 10	< 1	0.10	< 10	2.33	0.053	0.033	1.09	4	9	41	< 0.01	5	< 2	< 10	88	< 10	5	4	
1430035178 Dup	41	181	6.77	< 10	< 1	0.10	< 10	2.33	0.054	0.033	1.08	4	9	41	< 0.01	12	< 2	< 10	88	< 10	5	4	
1430022615 Orig																							1.78
1430022615 Dup																							1.83
1429011133 Orig																							
1429011133 Dup																							
1429013273 Orig																							
1429013273 Dup																							
1430022356 Orig	33	198	7.80	10	< 1	0.07	< 10	2.50	0.042	0.044	0.29	6	10	22	0.15	5	< 2	< 10	222	< 10	8	3	
1430022356 Dup	33	199	7.94	10	< 1	0.07	< 10	2.53	0.043	0.045	0.30	4	10	22	0.15	1	< 2	< 10	223	< 10	8	4	
1430034690 Orig																							1.40
1430034690 Dup																							1.39
1430034642 Orig																							
1430034642 Dup																							
1429013268 Orig																							
1429013268 Dup																							
1430022616 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
1430022616 Dup																							
1430025158 Orig																							
1430025158 Dup																							
1314511003 Orig																							0.50
1314511003 Dup																							0.50
1430021129 Orig	35	80	9.77	< 10	1	0.49	< 10	2.09	0.133	0.060	6.17	5	10	99	0.13	4	< 2	< 10	138	< 10	11	9	
1430021129 Dup	35	81	9.84	< 10	1	0.49	< 10	2.11	0.134	0.060	6.00	4	10	98	0.13	2	< 2	< 10	135	< 10	11	9	
1430029002 Orig																							
1430029002 Dup																							
1430028058 Orig																							0.23
1430028058 Dup																							0.24
1430028642 Orig	15	209	2.90	< 10	< 1	0.09	22	1.16	0.032	0.101	2.37	2	2	18	< 0.01	3	< 2	< 10	13	< 10	3	8	
1430028642 Dup	14	219	2.96	< 10	< 1	0.09	23	1.17	0.033	0.102	2.42	3	2	19	< 0.01	2	< 2	< 10	13	< 10	3	8	
1430027004 Orig																							
1430027004 Dup																							
1429011016 Orig																							1.10
1429011016 Dup																							1.12
1429011061 Orig																							
1429011061 Dup																							
1430028660 Orig																							
1430028660 Dup																							
1430027030 Orig	36	177	9.42	10	< 1	0.43	< 10	2.76	0.288	0.063	1.24	6	16	97	0.14	< 1	< 2	< 10	218	< 10	10	5	
1430027030 Dup	35	173	9.32	20	< 1	0.42	< 10	2.75	0.285	0.062	1.23	5	16	96	0.14	4	< 2	< 10	219	< 10	10	5	
1430022067 Orig																							1.59
1430022067 Dup																							1.59
1430037038 Orig																							
1430037038 Dup																							
1430037070 Orig																							
1430037070 Dup																							
1430033067 Orig																							
1430033067 Dup																							
1430035031 Orig																							1.15
1430035031 Dup																							1.16
1429023038 Orig																							
1429023038 Dup																							
1430033100 Orig																							
1430033100 Dup																							
1430033140 Orig																							1.10
1430033140 Dup																							1.10
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	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	0.004	< 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	
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
BaSO4 Meas	14.4	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
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	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		
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		
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		

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		
GS311-4 Meas	0.57	
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	
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	0.56	
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	
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
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 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 931 (AQUA REGIA) Meas		
OREAS 931 (AQUA REGIA) Cert		
OREAS 522 (Aqua Regia) Meas		
OREAS 522 (Aqua Regia) Cert		
OREAS 522 (4 Acid) Meas		
OREAS 522 (4 Acid) Cert		
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.95
OREAS 45f (Aqua Regia) Meas		
OREAS 45f (Aqua Regia) 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		
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	0.36	
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	0.36	
GS316-3 Cert	0.340	
GS316-3 Meas	0.35	
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	0.33	
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	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
OREAS 257b (Fire Assay) Meas		14.3
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		
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	14.9	
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	15.3	
GS317-5 Cert	15.5	
GS317-5 Meas	15.4	

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	14.9	
GS317-5 Cert	15.5	
GS317-5 Meas	15.1	
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 L15 Meas		6.98
OREAS L15 Cert		7.18
OREAS L14 Meas		
OREAS L14 Cert		
OREAS L16 Meas		12.9
OREAS L16 Cert		12.97
1308002081 Orig		308
1308002081 Dup		273
1308002086 Orig		
1308002086 Dup		
1308002154 Orig		
1308002154 Dup		
1316035054 Orig		
1316035054 Dup		
1316035033 Orig		
1316035033 Dup		
1316035047 Orig	1.19	
1316035047 Dup	1.19	
1316034038 Orig		
1316034038 Dup		
1316037087 Orig		
1316037087 Dup		
1430024144 Orig	5.53	
1430024144 Dup	5.69	
1316038646 Orig		
1316038646 Dup		
1316039930 Orig		
1316039930 Dup		
1430010312 Orig		
1430010312 Dup		
1429009064 Orig	0.97	
1429009064 Dup	1.02	
1316036278 Orig		
1316036278 Dup		
1316039060 Orig		
1316039060 Dup		
1429009174 Orig	0.82	
1429009174 Dup	0.76	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1316035620 Orig		
1316035620 Dup		
1430023055 Orig		
1430023055 Dup		
1430023004 Orig	3.14	
1430023004 Dup	3.16	
1316034021 Orig		
1316034021 Dup		
1316034211 Orig	0.44	
1316034211 Dup	0.44	
1430025423 Orig		
1430025423 Dup		
1430023001 Orig		
1430023001 Dup		
1316035611 Orig		
1316035611 Dup		
1429002613 Orig	2.53	
1429002613 Dup	2.49	
1430035164 Orig		
1430035164 Dup		
1316041027 Orig		
1316041027 Dup		
1429002032 Orig		
1429002032 Dup		
1430035143 Orig	1.11	
1430035143 Dup	1.09	
1429002131 Orig		
1429002131 Dup		
1429002156 Orig		
1429002156 Dup		
1430034618 Orig		
1430034618 Dup		
1430035250 Orig	1.35	
1430035250 Dup	1.38	
1430034609 Orig		
1430034609 Dup		
1429013106 Orig	0.40	
1429013106 Dup	0.40	
1429013377 Orig		
1429013377 Dup		
1430035178 Orig		
1430035178 Dup		
1430022615 Orig	0.82	
1430022615 Dup	0.82	
1429011133 Orig		
1429011133 Dup		
1429013273 Orig		
1429013273 Dup		
1430022356 Orig		
1430022356 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430034690 Orig	0.81	
1430034690 Dup	0.85	
1430034642 Orig		
1430034642 Dup		
1429013268 Orig		
1429013268 Dup		
1430022616 Orig		
1430022616 Dup		
1430025158 Orig		
1430025158 Dup		
1314511003 Orig	1.44	
1314511003 Dup	1.44	
1430021129 Orig		
1430021129 Dup		
1430029002 Orig		
1430029002 Dup		
1430028058 Orig	0.92	
1430028058 Dup	0.93	
1430028642 Orig		
1430028642 Dup		
1430027004 Orig		
1430027004 Dup		
1429011016 Orig	1.42	
1429011016 Dup	1.46	
1429011061 Orig		
1429011061 Dup		
1430028660 Orig		
1430028660 Dup		
1430027030 Orig		
1430027030 Dup		
1430022067 Orig	2.46	
1430022067 Dup	2.43	
1430037038 Orig		
1430037038 Dup		
1430037070 Orig		
1430037070 Dup		
1430033067 Orig		
1430033067 Dup		
1430035031 Orig	2.48	
1430035031 Dup	2.55	
1429023038 Orig		
1429023038 Dup		
1430033100 Orig		
1430033100 Dup		
1430033140 Orig	3.11	
1430033140 Dup	3.19	
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		< 0.02
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02

Report No.: **A23-03442**
Report Date: **15-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

178 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-04-20 15:15:45
4F-C, S	Infrared	2023-04-17 21:39:15

REPORT **A23-03442**

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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 samples F014395 and 1430020148.

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.: **A23-03442**
Report Date: **15-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

178 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)	2023-03-24 10:22:50
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2023-03-29 14:03:12
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2023-03-24 11:04:55

REPORT **A23-03442**

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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 samples F014395 and 1430020148.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

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CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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
1316044008	Slight	-25.5	8.92	26.7	0.512	52.19	0.61	312	0.9	5.2	30	802	< 1	10	149	1320	1.62	48	< 10	36	< 0.5	< 2	1.46
1316044040	None	-35.4	8.87	15.4	0.303	50.81	0.67	568	1.1	10.0	67	601	< 1	15	388	2690	0.85	36	< 10	48	< 0.5	< 2	0.74
1309003319	Slight	-31.2	8.77	21.9	0.412	53.15	0.52	774	0.7	< 0.5	397	300	< 1	10	6	53	1.37	6	< 10	46	< 0.5	12	1.31
1316044062	Slight	-12.2	8.86	40.8	0.769	53.07	0.47	294	1.2	1.1	48	1040	< 1	13	196	370	0.69	78	< 10	37	< 0.5	< 2	1.55
1316033162	Slight	-6.84	8.70	29.4	0.811	36.20	0.57	656	1.4	5.1	52	719	< 1	15	232	1250	2.42	42	< 10	45	< 0.5	< 2	1.74
1316044095	Slight	-23.7	8.72	24.2	0.505	47.95	0.50	246	1.2	0.7	28	879	< 1	30	150	291	1.81	47	< 10	39	< 0.5	< 2	1.45
1316044147	Slight	-1.35	9.16	38.9	0.966	40.22	0.39	84	1.2	0.8	29	833	< 1	11	125	280	1.48	30	< 10	31	< 0.5	< 2	1.79
1316026115	Slight	0.318	8.96	49.9	1.01	49.58	0.57	234	1.8	1.1	33	889	1	8	196	359	0.65	117	< 10	33	< 0.5	< 2	1.81
1309003089	None	-59.8	8.78	11.5	0.161	71.27	0.91	319	1.9	4.1	472	336	1	20	4	1010	2.53	42	< 10	41	< 0.5	3	0.67
1316026027	Slight	-5.96	8.90	31.6	0.841	37.57	0.43	85	1.1	0.6	90	279	4	46	31	159	0.40	25	< 10	28	< 0.5	< 2	1.33
1430017001	Slight	-4.77	8.97	40.5	0.894	45.25	0.50	378	1.1	0.9	50	1280	1	15	124	334	1.26	38	< 10	24	< 0.5	< 2	1.25
1316044612	Slight	-6.24	8.73	69.7	0.918	75.90	1.06	172	1.3	1.1	100	967	< 1	79	26	355	2.15	15	< 10	35	< 0.5	< 2	2.65
1316026104	Slight	-5.75	8.87	29.7	0.838	35.41	0.43	161	1.2	1.4	26	741	< 1	19	106	335	1.49	51	10	26	< 0.5	< 2	1.55
1316033155	Slight	0.664	9.03	23.9	1.03	23.25	0.32	753	0.6	< 0.5	22	495	< 1	9	13	107	2.80	24	< 10	46	< 0.5	< 2	1.85
1316026620	Slight	-6.55	8.75	52.4	0.889	58.95	0.66	1070	2.0	1.4	44	748	< 1	12	78	507	0.70	151	< 10	23	< 0.5	< 2	2.15
1316026611	Slight	4.53	8.90	50.0	1.10	45.48	0.54	359	2.3	2.9	47	1160	< 1	10	348	880	0.55	157	< 10	36	< 0.5	< 2	1.41
1316044055	Slight	-7.37	9.02	39.4	0.843	46.78	0.88	83	0.5	1.4	40	1130	1	89	29	411	1.83	16	< 10	49	< 0.5	< 2	1.74
1309003313	Slight	-14.5	8.86	15.0	0.509	29.44	0.33	2280	0.3	< 0.5	130	191	< 1	7	< 2	21	2.33	7	< 10	39	< 0.5	< 2	1.35
1430017049	Slight	12.3	9.04	40.9	1.43	28.57	0.45	31	0.8	0.6	28	631	< 1	30	5	210	1.58	103	< 10	34	< 0.5	< 2	1.18
1309003108	Slight	84.8	9.17	85.4	140	0.61	0.36	13	< 0.2	< 0.5	22	788	< 1	78	3	70	2.77	3	< 10	511	< 0.5	< 2	3.31
F014061								1860															
1316044138	Slight	-5.63	8.94	28.7	0.836	34.34	0.38	186	0.3	0.6	28	742	< 1	10	24	211	1.59	5	< 10	32	< 0.5	< 2	1.51
1430017625	Slight	23.3	9.22	73.4	1.46	50.14	0.41	1510	3.4	< 0.5	16	1710	< 1	12	9	220	0.43	1560	< 10	24	< 0.5	< 2	2.04
1316037035	Slight	-2.49	8.83	61.1	0.961	63.60	0.96	99	2.0	0.5	34	1430	< 1	19	60	177	1.57	41	< 10	44	< 0.5	< 2	2.35
1430017601	Slight	-7.61	9.21	16.0	0.677	23.59	0.28	189	1.2	< 0.5	23	474	< 1	16	4	155	1.35	72	< 10	28	< 0.5	< 2	0.57
1430017809	Slight	17.1	8.98	64.7	1.36	47.61	0.55	429	1.1	< 0.5	105	494	< 1	38	2	51	1.40	10	< 10	29	< 0.5	< 2	2.21
1316033060	Slight	0.727	9.02	28.6	1.03	27.85	0.45	267	0.8	0.6	33	742	< 1	24	26	245	2.58	29	< 10	74	< 0.5	< 2	1.83
1430017100	Slight	85.6	9.26	102	6.35	16.01	0.75	90	0.4	< 0.5	102	911	< 1	135	8	86	2.76	14	< 10	13	< 0.5	< 2	3.89
1316033104	Slight	-12.4	8.85	21.7	0.636	34.16	0.36	145	0.4	< 0.5	33	716	< 1	12	27	109	3.15	31	< 10	37	< 0.5	< 2	1.95
1430017307	Slight	54.7	9.37	62.3	8.20	7.59	0.30	21	< 0.2	< 0.5	27	436	< 1	41	< 2	25	1.48	4	< 10	47	< 0.5	< 2	2.46
1430017009	Slight	-5.34	9.26	39.2	0.880	44.58	0.56	116	1.7	2.0	84	766	< 1	11	101	516	1.55	19	< 10	37	< 0.5	< 2	1.22
1430017023	None	-55.7	8.15	3.99	0.0669	59.64	0.52	168	0.9	< 0.5	50	363	< 1	33	< 2	36	1.28	17	< 10	16	< 0.5	< 2	0.12
1430017193	Slight	12.7	8.77	57.0	1.29	44.27	0.66	51	< 0.2	< 0.5	40	793	2	133	< 2	51	2.89	6	< 10	22	< 0.5	< 2	3.09
1316033125	Slight	-19.2	8.84	25.9	0.574	45.11	0.55	3420	7.9	3.9	140	735	< 1	15	344	963	2.15	49	< 10	33	< 0.5	< 2	1.44
1316044108	Slight	2.71	9.05	33.9	1.09	31.20	0.39	221	0.4	< 0.5	16	1290	< 1	24	31	152	1.80	18	< 10	39	< 0.5	< 2	1.74
1430017617	Slight	23.9	9.25	52.1	1.85	28.24	0.43	186	3.2	1.3	32	854	< 1	13	55	446	1.36	102	< 10	24	< 0.5	< 2	1.43
1430017141	Slight	-2.84	9.36	22.7	0.889	25.53	0.36	49	0.3	< 0.5	100	320	< 1	13	3	42	1.38	9	< 10	31	< 0.5	< 2	0.91
1316033026	Slight	4.47	8.76	49.4	1.10	44.93	0.55	553	1.0	3.0	31	858	< 1	13	24	833	1.20	89	< 10	26	< 0.5	< 2	2.03
F014062								344															
1316033001	Slight	-12.4	8.86	29.1	0.701	41.50	0.46	814	1.0	0.5	32	762	< 1	9	36	210	1.68	77	< 10	30	< 0.5	< 2	1.24
1430017644	Slight	48.2	9.42	82.6	2.40	34.41	0.76	447	2.5	1.5	32	1200	< 1	8	13	525	1.16	157	< 10	51	< 0.5	< 2	2.28
1316033018	Slight	-10.2	9.18	21.2	0.675	31.45	0.34	210	0.4	< 0.5	20	636	< 1	13	22	187	1.80	41	< 10	31	< 0.5	< 2	1.26
1430017346	Slight	88.8	9.19	92.4	26.0	3.55	0.40	26	0.2	< 0.5	118	864	< 1	168	< 2	54	3.05	8	< 10	< 10	< 0.5	< 2	3.36
1316033050	Slight	-17.4	8.96	24.0	0.580	41.32	0.42	896	0.7	1.1	34	807	< 1	12	30	355	2.70	57	< 10	42	< 0.5	< 2	1.61
1430017329	Slight	-47.4	8.88	8.23	0.148	55.65	0.49	532	5.9	3.2	188	352	1	19	309	822	1.10	81	< 10	31	< 0.5	< 2	0.55
1430017200	Slight	112	9.00	127	8.16	15.60	0.63	156	0.3	< 0.5	59	840	6	116	< 2	41	2.63	17	< 10	15	< 0.5	< 2	4.53
1430016025	Slight	55.5	9.27	72.1	4.33	16.64	0.47	32	0.2	< 0.5	99	828	< 1	154	< 2	56	2.90	8	< 10	< 10	< 0.5	< 2	2.80
1430017221	Slight	-4.29	9.21	40.6	0.904	44.89	0.42	206	1.1	0.5	40	430	< 1	16	20	159	1.32	32	< 10	34	< 0.5	< 2	1.60
1430017827	None	-55.9	8.58	4.49	0.0743	60.43	0.41	430	2.7	0.8	45	199	< 1	15	84	254	1.12	44	< 10	26	< 0.5	< 2	0.23

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
1430016038	Slight	19.1	9.56	48.3	1.65	29.24	0.44	24	< 0.2	< 0.5	41	307	2	11	< 2	19	1.01	3	< 10	36	< 0.5	< 2	1.96
1316037014	Slight	-61.1	9.10	26.7	0.304	87.70	0.98	364	10.9	1.4	136	1140	< 1	77	46	404	2.37	111	< 10	38	< 0.5	< 2	0.75
1430017209	Slight	-19.3	8.75	24.7	0.561	44.01	0.48	88	0.4	< 0.5	53	303	< 1	15	2	36	1.58	11	< 10	29	< 0.5	< 2	1.03
1430016194	Slight	-5.50	9.45	49.4	0.900	54.87	0.66	34	< 0.2	< 0.5	13	345	< 1	12	2	21	1.22	4	< 10	35	< 0.5	< 2	1.96
1430017156	Slight	53.1	8.72	77.8	3.16	24.63	0.72	29	0.4	< 0.5	214	614	5	38	10	53	1.20	1800	< 10	53	< 0.5	< 2	2.21
1430017226	Slight	1.86	9.26	46.2	1.04	44.34	0.56	253	< 0.2	< 0.5	54	841	2	126	< 2	53	2.82	6	< 10	< 10	< 0.5	< 2	2.94
1430017217	Slight	24.4	9.42	59.2	1.70	34.86	0.48	137	1.0	< 0.5	27	837	< 1	14	26	75	0.87	43	< 10	41	< 0.5	< 2	1.48
F014075								1840	1.1	< 0.5	50	712	1	9	20	150	0.81	71	< 10	31	< 0.5	< 2	1.63
1316029134	Slight	35.3	9.26	70.3	2.01	35.00	0.57	399	0.5	0.5	165	696	< 1	45	26	118	3.09	59	84	33	< 0.5	< 2	2.44
1430026105	Slight	22.6	8.81	119	1.24	96.12	1.72	177	1.4	< 0.5	21	1800	< 1	6	68	173	1.34	56	< 10	44	< 0.5	< 2	2.45
1316029137	Slight	-26.5	8.99	17.0	0.390	43.50	0.44	184	0.7	< 0.5	76	1600	< 1	51	< 2	125	3.18	7	< 10	17	< 0.5	< 2	3.61
1316040002	Slight	-1.27	9.21	40.4	0.969	41.69	0.69	402	0.4	1.2	20	614	< 1	8	37	567	1.41	44	< 10	51	< 0.5	< 2	0.94
1309003350	Slight	-18.1	8.85	14.2	0.439	32.37	0.38	72	1.5	10.3	65	1030	< 1	7	38	2350	1.24	94	< 10	19	< 0.5	< 2	1.56
1316040044	Slight	-17.5	9.10	26.7	0.603	44.17	0.73	364	0.3	< 0.5	153	312	5	8	3	52	2.07	4	< 10	42	< 0.5	< 2	0.97
1309003348	None	-21.3	8.89	11.2	0.346	32.52	0.49	299	1.2	11.7	69	779	< 1	10	27	2750	1.26	32	< 10	21	< 0.5	< 2	1.15
1309003338	Slight	-64.4	8.42	7.71	0.107	72.07	0.48	121	0.8	< 0.5	37	328	< 1	11	4	66	2.13	20	< 10	36	< 0.5	< 2	0.96
1316040036	Slight	-3.97	9.04	28.2	0.876	32.16	0.77	209	1.3	12.3	83	913	1	10	50	2960	1.67	33	< 10	22	< 0.5	< 2	1.32
1309003104	Slight	-77.0	8.70	11.2	0.127	88.24	1.21	208	1.2	15.6	99	568	< 1	11	10	3480	2.51	65	< 10	27	< 0.5	2	0.56
1316029043	Slight	-35.0	8.85	17.5	0.333	52.54	0.76	444	0.7	8.0	75	661	< 1	7	41	2110	1.16	33	< 10	51	< 0.5	< 2	0.77
1430026114	Slight	35.3	8.93	83.4	1.73	48.10	0.95	71	0.4	< 0.5	79	1020	< 1	31	< 2	77	2.43	10	< 10	30	< 0.5	< 2	3.38
1316029001	Slight	-12.2	9.10	21.4	0.637	33.61	0.42	245	< 0.2	< 0.5	28	899	< 1	11	24	217	2.31	25	< 10	57	< 0.5	< 2	1.26
1430026144	Slight	-48.5	8.70	14.5	0.230	63.02	0.56	207	0.7	0.5	41	395	< 1	9	5	190	2.21	23	< 10	30	< 0.5	< 2	1.07
1430026007	Slight	71.0	8.65	150	1.90	78.57	2.24	164	1.0	< 0.5	181	1740	< 1	26	< 2	181	2.46	17	< 10	19	< 0.5	< 2	4.60
1316029158	Slight	11.0	9.31	40.6	1.37	29.56	0.60	260	1.5	1.6	46	1180	< 1	7	145	454	2.07	37	< 10	39	< 0.5	< 2	1.84
1316040037	Slight	-38.2	9.12	16.4	0.301	54.68	1.13	989	2.7	18.6	94	755	< 1	6	36	4440	1.61	57	< 10	29	< 0.5	< 2	0.86
1430026097	Slight	28.4	8.74	102	1.39	73.68	1.23	70	0.4	< 0.5	52	1280	< 1	44	< 2	78	2.37	9	< 10	31	< 0.5	< 2	3.86
1430026104	Slight	-29.8	8.57	94.9	0.761	124.73	1.75	82	0.4	< 0.5	44	1610	< 1	51	< 2	118	2.83	6	< 10	17	< 0.5	< 2	3.61
1316029181	None	12.2	9.43	44.6	1.38	32.37	0.52	152	0.9	0.6	21	1190	< 1	6	79	189	1.63	38	< 10	38	< 0.5	< 2	1.82
1316029205	None	-18.8	9.03	19.9	0.515	38.74	0.62	171	1.1	1.7	35	1480	< 1	5	237	724	1.47	38	< 10	23	< 0.5	< 2	2.05
1316040025	Slight	-2.07	8.91	39.4	0.950	41.47	1.21	697	1.6	21.8	84	950	< 1	9	62	5080	1.43	49	< 10	28	< 0.5	< 2	1.73
1309003144	Slight	11.8	8.59	96.7	1.14	84.91	1.23	47	0.5	< 0.5	66	1160	< 1	40	< 2	73	3.07	9	< 10	21	< 0.5	< 2	3.49
1309003358	None	-50.8	8.64	10.7	0.174	61.49	0.62	896	0.6	< 0.5	372	215	< 1	10	< 2	26	1.97	11	< 10	42	< 0.5	5	0.90
F014076								> 5000	1.3	0.6	163	712	1	48	24	118	3.50	55	18	30	< 0.5	< 2	2.76
1430017258	Slight	91.9	8.91	135	3.15	42.82	1.02	210	1.4	< 0.5	97	1040	< 1	134	3	57	3.21	12	< 10	10	< 0.5	< 2	4.26
1430017339	Slight	23.7	8.75	72.2	1.49	48.45	0.73	244	1.2	< 0.5	122	588	< 1	49	16	138	1.56	18	< 10	24	< 0.5	< 2	2.25
1430016210	Slight	156	9.06	171	11.4	15.04	0.72	136	0.5	< 0.5	41	1110	< 1	156	< 2	51	3.50	9	< 10	< 10	< 0.5	< 2	5.44
1430017302	Slight	156	8.85	182	6.88	26.45	1.09	195	0.6	< 0.5	170	1150	1	183	< 2	55	3.63	10	< 10	< 10	< 0.5	< 2	5.20
1430016388	Slight	57.2	9.68	67.3	6.64	10.15	0.51	24	< 0.2	< 0.5	41	428	< 1	12	< 2	21	0.89	2	< 10	29	< 0.5	< 2	2.88
1430016292	Slight	50.1	9.65	64.7	4.45	14.55	0.44	25	< 0.2	< 0.5	21	436	1	9	3	23	0.79	4	< 10	29	< 0.5	< 2	2.47
1430016024	Slight	98.0	9.13	117	6.08	19.29	0.63	33	< 0.2	< 0.5	92	931	< 1	132	< 2	53	3.08	3	< 10	23	< 0.5	< 2	4.03
1430016055	Slight	9.82	9.55	35.9	1.38	26.03	0.31	38	0.2	< 0.5	22	378	3	12	3	58	1.44	35	< 10	30	< 0.5	< 2	1.57
1430020274	Slight	1.58	8.58	96.2	1.02	94.65	3.22	204	0.9	< 0.5	102	1640	< 1	53	5	156	3.19	23	< 10	29	< 0.5	< 2	3.34
1430016018	Slight	19.0	9.33	48.0	1.65	29.02	0.42	75	< 0.2	< 0.5	160	312	3	15	< 2	17	1.02	3	< 10	44	< 0.5	< 2	1.84
1430016302	Slight	38.8	9.49	51.5	4.05	12.70	0.34	39	< 0.2	< 0.5	9	351	< 1	14	< 2	36	1.07	3	< 10	23	< 0.5	< 2	2.09
1430016386	None	49.0	9.51	63.6	4.37	14.55	0.37	21	< 0.2	< 0.5	22	505	< 1	9	< 2	23	1.02	5	< 10	37	< 0.5	< 2	2.48
1430020290	Slight	-2.52	8.73	60.4	0.960	62.92	0.92	56	0.4	< 0.5	160	548	6	22	< 2	59	1.60	12	< 10	32	< 0.5	< 2	2.18
1430016096	Slight	35.2	9.61	50.9	3.25	15.67	0.30	58	< 0.2	< 0.5	13	415	< 1	9	< 2	25	1.21	3	< 10	41	< 0.5	< 2	2.12
1430020125	Slight	-75.5	8.71	76.0	0.502	151.55	3.95	54	0.3	< 0.5	89	1550	< 1	66	< 2	137	1.96	8	< 10	19	< 0.5	< 2	3.52
1430018004	None	-39.4	9.20	3.25	0.0761	42.65	0.38	59	0.5	0.7	58	1060	3	9	25	336	1.07	33	< 10	26	< 0.5	< 2	0.15

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
F014395																							
F014400								1830	0.4	0.6	160	676	< 1	44	25	115	3.02	57	82	33	< 0.5	< 2	2.42
1430018012	None	-44.7	8.95	3.74	0.0771	48.47	0.35	164	1.4	0.8	49	592	3	12	73	296	1.13	42	< 10	26	< 0.5	< 2	0.21
1430018149	None	-44.0	8.74	3.49	0.0735	47.52	0.55	247	3.9	4.4	261	375	4	8	83	1140	1.54	32	< 10	30	< 0.5	< 2	0.18
1430018079	Slight	-32.5	9.03	6.22	0.161	38.74	0.35	44	0.7	0.7	56	656	2	12	10	220	1.64	12	< 10	27	< 0.5	< 2	0.38
1430020192	Slight	-38.3	8.22	134	0.777	172.20	5.65	114	0.7	< 0.5	96	1470	< 1	56	< 2	110	1.94	24	< 10	19	< 0.5	< 2	4.09
1430020156	None	123	8.89	143	6.93	20.70	0.87	84	0.6	0.6	115	1480	< 1	196	< 2	190	4.57	9	< 10	15	< 0.5	< 2	4.07
1430031012	None	11.2	8.80	12.0	14.2	0.84	0.17	16	< 0.2	< 0.5	215	1390	1	36	< 2	75	2.00	< 2	< 10	36	< 0.5	< 2	0.56
1430018152	Slight	-13.8	9.20	14.7	0.515	28.54	0.38	88	0.7	< 0.5	34	930	< 1	13	30	195	1.33	21	< 10	29	< 0.5	< 2	0.56
1430020197	Slight	8.23	9.16	73.2	1.13	64.99	0.80	79	1.1	< 0.5	70	534	< 1	11	6	55	0.97	9	< 10	40	< 0.5	< 2	2.17
1430020217	None	61.8	9.05	87.6	3.40	25.75	0.58	276	2.1	< 0.5	55	862	< 1	31	< 2	105	1.77	13	< 10	48	< 0.5	< 2	2.75
1316037129	None	-82.0	8.83	7.24	0.0811	89.26	0.75	1630	3.1	2.1	193	895	< 1	22	45	566	2.11	125	< 10	21	< 0.5	< 2	0.17
1430031005	None	-2.87	9.26	54.7	0.950	57.61	0.59	60	2.2	< 0.5	27	782	1	7	16	98	0.49	123	< 10	25	< 0.5	< 2	1.95
1430018164	Slight	-47.1	8.35	1.50	0.0307	48.62	0.32	81	1.8	1.3	64	318	1	14	28	370	1.43	29	< 10	21	< 0.5	< 2	0.14
1430020146	Slight	108	8.88	125	7.50	16.60	0.80	102	0.4	0.6	130	1380	< 1	163	< 2	208	4.60	9	< 10	20	< 0.5	< 2	3.80
1430020215	Slight	99.1	9.07	113	7.98	14.20	0.63	37	0.4	< 0.5	77	1170	< 1	77	< 2	155	3.12	6	< 10	22	< 0.5	< 2	3.65
1430020148																							
1430020163	None	-7.34	9.14	68.8	0.904	76.09	1.09	27	0.2	< 0.5	17	558	< 1	17	< 2	52	1.52	9	< 10	34	< 0.5	< 2	2.39
1430031043	Slight	-12.6	9.40	53.3	0.809	65.89	0.57	209	9.5	0.5	50	1380	1	8	55	191	0.82	169	< 10	39	< 0.5	2	1.36
1430032095	None	32.4	8.53	66.0	1.97	33.58	0.61	32	0.3	< 0.5	187	993	3	177	< 2	76	3.40	11	< 10	< 10	< 0.5	< 2	2.52
1430018167	Slight	-31.4	9.13	10.2	0.246	41.58	0.48	83	0.6	< 0.5	34	721	< 1	11	26	164	1.95	43	< 10	38	< 0.5	< 2	0.36
1316031083	Slight	28.6	8.99	68.7	1.71	40.15	0.40	302	0.9	1.2	54	1320	< 1	13	143	346	0.81	49	< 10	20	< 0.5	< 2	2.54
1430031014	Slight	42.4	9.01	47.1	9.98	4.72	0.29	38	< 0.2	< 0.5	251	1160	3	47	< 2	54	2.53	4	< 10	17	< 0.5	< 2	1.78
1316031624	Slight	24.8	9.21	72.5	1.52	47.69	0.62	297	1.8	3.7	48	1630	< 1	12	574	967	1.12	16	< 10	36	< 0.5	< 2	2.68
F014399								336	< 0.2	< 0.5	164	730	< 1	49	4	73	3.72	11	20	16	< 0.5	< 2	2.79
F014394								339	< 0.2	< 0.5	160	728	< 1	48	5	72	3.63	15	20	15	< 0.5	< 2	2.73
1316031077	Slight	9.36	9.25	65.4	1.17	56.03	0.96	905	1.4	3.0	33	1140	< 1	9	94	617	1.33	29	< 10	45	< 0.5	< 2	2.31
1430032178	Slight	38.9	9.00	72.0	2.18	33.04	0.39	60	< 0.2	< 0.5	131	239	2	15	6	21	0.96	2	< 10	29	< 0.5	< 2	2.26
1316031028	Slight	20.7	9.01	70.4	1.42	49.68	0.48	469	1.5	1.4	28	1200	< 1	10	101	346	1.13	90	< 10	22	< 0.5	< 2	2.46
1430032062	Slight	47.5	9.31	62.0	4.27	14.50	0.24	13	< 0.2	< 0.5	10	291	< 1	19	< 2	33	1.07	2	< 10	45	< 0.5	< 2	2.15
1430032056	Slight	17.6	9.30	60.6	1.41	43.05	0.44	33	< 0.2	< 0.5	25	249	< 1	21	< 2	26	0.91	3	< 10	23	< 0.5	< 2	2.13
1430032021	Slight	-24.2	8.85	60.4	0.714	84.62	1.12	36	< 0.2	< 0.5	140	395	1	25	< 2	53	1.49	< 2	< 10	30	< 0.5	< 2	2.64
1430032085	Slight	26.7	9.23	57.5	1.87	30.73	0.55	48	< 0.2	< 0.5	90	409	< 1	19	< 2	30	0.91	< 2	< 10	35	< 0.5	< 2	2.35
1316031010	Slight	-6.03	8.99	42.4	0.876	48.46	0.52	837	2.5	2.4	106	808	2	12	43	616	1.21	43	< 10	32	< 0.5	3	1.66
1430031615	Slight	84.5	9.02	85.6	79.3	1.08	0.22	32	0.2	< 0.5	131	878	2	48	< 2	46	2.56	3	< 10	< 10	< 0.5	< 2	3.20
1430032608	Slight	-9.30	8.88	106	0.919	115.14	4.05	67	< 0.2	< 0.5	141	884	< 1	51	< 2	80	2.58	5	< 10	11	< 0.5	< 2	3.21
1430032123	Slight	37.1	9.29	61.7	2.51	24.57	0.30	28	< 0.2	< 0.5	40	297	< 1	23	< 2	33	1.04	2	< 10	36	< 0.5	< 2	2.19
1430018041	None	-19.9	8.85	23.4	0.541	43.30	0.54	134	1.3	1.4	75	1450	4	15	37	421	1.12	51	< 10	27	< 0.5	< 2	0.81
1430018006	None	-28.9	8.87	22.5	0.438	51.32	0.42	103	1.7	1.1	57	985	2	10	96	364	1.06	40	< 10	24	< 0.5	< 2	0.69
1430032662	Slight	25.3	9.35	66.7	1.61	41.41	0.42	37	0.3	< 0.5	112	267	1	12	11	73	0.77	2	< 10	30	< 0.5	< 2	1.89
1430020058	Slight	10.4	8.96	94.6	1.12	84.20	1.25	85	0.5	< 0.5	248	912	2	56	8	84	1.81	11	< 10	26	< 0.5	< 2	2.96
1430032171	Slight	23.0	9.41	42.7	2.17	19.66	0.29	55	< 0.2	< 0.5	93	182	2	12	< 2	21	0.98	< 2	< 10	28	< 0.5	< 2	1.76
1430032643	None	-24.2	8.78	25.5	0.513	49.63	0.66	63	0.2	< 0.5	103	885	< 1	144	< 2	57	2.83	8	< 10	10	< 0.5	< 2	0.96
1430032671	Slight	11.5	9.17	57.8	1.25	46.25	0.61	34	0.3	< 0.5	110	277	1	24	< 2	24	1.17	2	< 10	41	< 0.5	< 2	2.20
1430024016	Slight	14.9	8.80	88.9	1.20	74.02	1.24	312	0.8	2.1	215	1750	< 1	34	< 2	300	2.04	8	< 10	38	< 0.5	< 2	2.40
1430031637	Slight	151	9.11	151	967	< 0.31	0.32	48	0.2	< 0.5	183	1120	1	180	< 2	49	3.85	< 2	< 10	11	< 0.5	< 2	4.89
F014454								1060	0.3	< 0.5	159	749	< 1	55	17	102	3.70	41	21	25	< 0.5	< 2	2.83
F014464								1080	0.3	0.5	153	748	< 1	52	18	104	3.67	39	22	25	< 0.5	< 2	2.83
1430024085	Slight	-80.7	8.52	59.8	0.426	140.56	7.03	188	1.4	1.8	291	1550	< 1	51	4	335	2.13	16	< 10	25	< 0.5	< 2	3.37

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
1430032082	Slight	-24.4	9.08	46.1	0.654	70.47	0.92	59	0.3	< 0.5	132	218	1	14	< 2	17	0.73	6	< 10	27	< 0.5	< 2	1.70
1430032625	Slight	12.7	9.16	65.6	1.24	52.86	0.55	203	0.5	< 0.5	117	343	1	16	4	22	0.74	4	< 10	29	< 0.5	< 2	2.05
1429007119	Slight	-3.53	8.83	38.6	0.916	42.12	0.53	59	0.3	< 0.5	41	544	1	25	< 2	76	1.51	8	< 10	25	< 0.5	< 2	1.66
1430019197	None	-36.0	8.97	6.99	0.163	43.01	0.51	89	1.2	1.4	51	835	< 1	10	41	449	1.78	34	< 10	31	< 0.5	< 2	0.27
1429007158	Slight	9.68	9.42	43.9	1.28	34.25	0.66	43	0.3	< 0.5	139	270	4	11	< 2	27	1.18	< 2	< 10	41	< 0.5	< 2	1.67
1430024034	Slight	-36.8	8.40	85.4	0.699	122.18	2.87	187	0.8	1.6	71	1660	2	38	5	499	2.08	23	< 10	22	< 0.5	< 2	2.16
1430019216	None	-21.0	8.64	5.99	0.222	26.95	0.32	117	0.5	0.5	30	1520	< 1	9	26	223	1.64	26	< 10	32	< 0.5	< 2	0.19
1430024138	Slight	60.1	8.57	154	1.64	93.45	1.87	201	0.9	< 0.5	57	2150	< 1	67	< 2	223	3.46	21	< 10	26	< 0.5	< 2	3.16
1316031969	Slight	-15.0	9.19	26.7	0.640	41.76	0.46	344	1.1	1.8	37	646	< 1	15	56	435	2.64	26	< 10	41	< 0.5	< 2	1.94
1429007138	Slight	14.0	9.13	60.6	1.30	46.61	0.51	69	0.4	< 0.5	86	341	1	15	< 2	27	0.93	4	< 10	24	< 0.5	< 2	1.95
1316031912	Slight	-11.4	9.13	34.4	0.752	45.81	0.49	747	1.0	3.8	56	878	< 1	11	60	782	1.74	33	< 10	24	< 0.5	< 2	1.87
1429006048	Slight	-146	8.47	88.4	0.377	234.60	7.32	102	0.5	< 0.5	145	842	< 1	64	< 2	61	1.95	8	< 10	15	< 0.5	< 2	3.30
1316031905	Slight	-8.40	9.04	35.5	0.809	43.86	0.43	48	0.4	0.5	34	872	< 1	14	64	159	2.08	29	< 10	28	< 0.5	< 2	2.02
1429007104	Slight	-21.8	8.94	31.9	0.594	53.74	0.52	29	< 0.2	< 0.5	98	215	1	19	< 2	31	0.82	3	< 10	29	< 0.5	< 2	1.30
1316031073	Slight	1.82	9.11	49.3	1.04	47.48	0.58	126	0.9	3.0	56	1050	< 1	13	276	770	2.07	26	< 10	31	< 0.5	< 2	2.36
1429007185	Slight	32.5	9.51	52.2	2.65	19.69	0.29	17	< 0.2	< 0.5	57	279	< 1	12	< 2	23	1.14	4	< 10	37	< 0.5	< 2	2.04
1431043225	Slight	-38.9	8.53	33.0	0.459	71.85	0.64	286	1.5	0.9	31	674	1	17	3	294	2.82	5	< 10	39	< 0.5	< 2	1.93
1316031950	Slight	-61.6	8.82	29.0	0.320	90.57	1.25	687	7.1	4.7	188	699	< 1	16	35	1070	1.92	29	< 10	36	< 0.5	2	1.64
1430024060	Slight	8.63	9.06	59.9	1.17	51.31	1.03	167	0.8	< 0.5	36	1670	5	33	4	133	1.15	22	< 10	42	< 0.5	< 2	2.18
1431043221	Slight	-52.4	8.39	64.9	0.554	117.32	2.50	94	0.8	< 0.5	48	1380	1	55	< 2	125	3.87	3	< 10	21	< 0.5	< 2	3.53
1430019613	Slight	-32.4	7.97	19.0	0.369	51.41	0.57	68	1.1	0.5	39	929	< 1	13	21	189	1.32	56	< 10	29	< 0.5	< 2	0.78
1430024168	Slight	31.5	9.03	59.9	2.11	28.42	0.99	157	1.7	3.5	183	2160	< 1	42	< 2	912	2.54	12	< 10	60	< 0.5	< 2	2.43
1430024262	Slight	-55.5	8.76	14.2	0.204	69.73	1.02	79	0.2	< 0.5	95	1170	< 1	29	3	172	2.16	5	< 10	41	< 0.5	< 2	2.85
1430019931	Slight	-35.6	8.51	23.4	0.396	59.04	0.52	82	0.8	< 0.5	60	563	1	19	21	205	1.55	21	< 10	25	< 0.5	< 2	0.81
F014474								1040	0.3	< 0.5	157	743	< 1	52	18	104	3.70	39	22	25	< 0.5	< 2	2.83
F014458								1060	0.3	< 0.5	156	736	< 1	51	17	102	3.56	39	21	24	< 0.5	< 2	2.73
1430008070	None	16.5	9.26	67.9	1.32	51.39	0.62	93	1.3	3.1	18	1280	< 1	8	7	901	0.61	96	< 10	29	< 0.5	< 2	1.71
1430020149	Slight	38.9	9.25	61.3	2.73	22.44	0.52	134	0.4	< 0.5	41	736	< 1	26	5	113	1.81	23	< 10	73	< 0.5	< 2	2.17
1316028224	Slight	24.8	9.46	58.7	1.73	33.92	0.76	458	2.2	3.1	125	761	< 1	80	461	905	1.12	57	< 10	79	< 0.5	< 2	2.25
1318018029	Slight	6.33	9.38	33.6	1.23	27.32	0.34	86	0.5	< 0.5	24	464	< 1	16	4	96	1.19	18	< 10	40	< 0.5	< 2	1.36
GC22-5170-020	None	-36.0	8.69	11.2	0.237	47.25	0.34	653	0.4	< 0.5	161	194	< 1	3	2	20	2.30	8	< 10	48	< 0.5	< 2	1.14

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
1316044008	7	103	2.25	< 10	< 1	0.20	17	0.79	0.050	0.042	1.97	3	< 1	27	0.02	< 1	< 2	< 10	6	< 10	2	18	0.39
1316044040	9	187	2.03	< 10	< 1	0.20	16	0.38	0.023	0.042	1.98	2	< 1	16	< 0.01	< 1	< 2	< 10	5	< 10	2	20	0.26
1309003319	7	206	2.81	< 10	< 1	0.13	25	0.49	0.083	0.050	2.02	< 2	< 1	98	< 0.01	< 1	< 2	< 10	5	< 10	3	15	0.16
1316044062	8	167	2.08	< 10	< 1	0.18	14	0.43	0.019	0.041	1.98	2	< 1	21	< 0.01	< 1	< 2	< 10	4	< 10	2	15	0.51
1316033162	10	144	2.67	< 10	< 1	0.19	19	1.06	0.083	0.057	1.44	< 2	1	63	0.06	< 1	< 2	< 10	14	< 10	3	17	0.34
1316044095	12	287	2.29	< 10	< 1	0.26	17	0.84	0.065	0.043	1.75	2	< 1	39	0.03	< 1	< 2	< 10	11	< 10	2	23	0.32
1316044147	7	93	1.87	< 10	< 1	0.17	16	0.82	0.060	0.041	1.44	< 2	< 1	41	< 0.01	< 1	< 2	< 10	7	< 10	2	17	0.53
1316026115	7	6	1.92	< 10	< 1	0.28	< 10	0.43	0.015	0.041	1.85	< 2	< 1	22	< 0.01	< 1	< 2	< 10	3	< 10	2	11	0.80
1309003089	12	108	3.77	< 10	< 1	0.23	13	1.64	0.074	0.043	2.51	2	1	61	< 0.01	2	< 2	< 10	15	< 10	3	19	0.17
1316026027	12	204	1.51	< 10	< 1	0.19	11	0.11	0.014	0.044	1.45	3	< 1	24	< 0.01	< 1	< 2	< 10	3	< 10	2	8	0.40
1430017001	10	137	2.57	< 10	< 1	0.13	< 10	0.96	0.038	0.046	1.77	< 2	1	24	0.02	< 1	< 2	< 10	15	< 10	2	7	0.56
1316044612	27	208	5.65	< 10	1	0.46	< 10	1.32	0.059	0.058	2.65	2	5	81	0.24	< 1	< 2	< 10	85	< 10	5	7	0.93
1316026104	11	124	2.14	< 10	< 1	0.20	16	0.69	0.062	0.046	1.39	< 2	1	33	0.04	1	< 2	< 10	11	< 10	2	13	0.24
1316033155	7	9	2.02	< 10	< 1	0.18	13	1.16	0.110	0.037	0.81	< 2	< 1	70	0.05	< 1	< 2	< 10	11	< 10	3	15	0.27
1316026620	9	106	2.51	< 10	< 1	0.19	15	0.36	0.013	0.044	2.22	3	< 1	16	< 0.01	< 1	< 2	< 10	4	< 10	2	12	0.70
1316026611	8	126	1.90	< 10	< 1	0.24	10	0.55	0.015	0.046	1.78	3	< 1	31	< 0.01	< 1	< 2	< 10	3	< 10	2	10	0.70
1316044055	61	310	3.21	< 10	< 1	0.24	16	1.60	0.038	0.052	1.91	4	2	40	0.12	< 1	< 2	< 10	26	< 10	2	19	0.49
1309003313	5	128	2.13	< 10	< 1	0.11	< 10	0.57	0.128	0.034	1.11	< 2	< 1	92	< 0.01	< 1	< 2	< 10	5	< 10	2	8	0.24
1430017049	8	581	2.11	< 10	< 1	0.14	< 10	0.70	0.073	0.038	1.15	2	< 1	35	< 0.01	< 1	< 2	< 10	8	< 10	1	6	0.60
1309003108	24	210	4.05	< 10	< 1	0.86	60	2.78	0.070	0.196	0.13	2	12	220	0.25	< 1	< 2	< 10	93	< 10	7	5	1.02
F014061																							
1316044138	8	111	1.74	< 10	< 1	0.19	16	0.72	0.080	0.043	1.32	< 2	< 1	44	0.01	< 1	< 2	< 10	7	< 10	2	18	0.34
1430017625	8	150	2.23	< 10	< 1	0.15	< 10	0.87	0.032	0.040	1.89	5	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	1	5	1.17
1316037035	11	12	2.77	< 10	< 1	0.30	22	1.08	0.075	0.061	2.68	< 2	1	48	< 0.01	< 1	< 2	< 10	12	< 10	4	20	0.69
1430017601	8	194	1.83	< 10	< 1	0.12	< 10	0.62	0.049	0.044	0.91	< 2	< 1	19	< 0.01	< 1	< 2	< 10	7	< 10	1	8	0.22
1430017809	14	286	3.51	< 10	< 1	0.09	12	1.16	0.045	0.042	1.68	< 2	3	56	< 0.01	< 1	< 2	< 10	24	< 10	2	9	0.91
1316033060	14	26	2.79	< 10	< 1	0.25	23	1.38	0.072	0.072	1.04	< 2	2	92	0.07	< 1	< 2	< 10	25	< 10	3	15	0.32
1430017100	41	311	4.58	< 10	< 1	0.06	< 10	2.66	0.047	0.022	0.67	3	5	61	0.18	< 1	< 2	< 10	65	< 10	3	3	1.31
1316033104	10	126	2.54	< 10	< 1	0.16	20	1.07	0.110	0.058	1.26	< 2	< 1	95	0.04	< 1	< 2	< 10	13	< 10	3	15	0.21
1430017307	13	304	2.60	< 10	< 1	0.18	12	1.13	0.033	0.043	0.37	2	4	42	0.09	< 1	< 2	< 10	33	< 10	3	8	0.78
1430017009	9	8	2.09	< 10	< 1	0.15	< 10	0.87	0.076	0.048	1.79	3	< 1	46	< 0.01	< 1	< 2	< 10	9	< 10	1	8	0.51
1430017023	26	241	3.22	< 10	< 1	0.05	12	0.55	0.035	0.021	2.22	< 2	1	16	< 0.01	< 1	< 2	< 10	14	< 10	2	5	0.10
1430017193	38	391	5.90	< 10	2	0.13	< 10	2.96	0.026	0.026	1.38	2	5	32	0.21	< 1	< 2	< 10	99	< 10	3	2	1.08
1316033125	11	124	2.80	< 10	< 1	0.16	20	1.03	0.059	0.057	1.78	< 2	< 1	49	0.02	< 1	< 2	< 10	11	< 10	3	17	0.18
1316044108	9	172	1.87	< 10	< 1	0.26	16	1.20	0.056	0.043	1.19	< 2	1	51	0.07	< 1	< 2	< 10	12	< 10	2	19	0.43
1430017617	7	115	2.13	< 10	< 1	0.12	< 10	0.98	0.056	0.041	1.07	3	1	28	< 0.01	< 1	< 2	< 10	8	< 10	1	6	0.78
1430017141	9	19	2.58	< 10	< 1	0.11	15	0.94	0.060	0.054	0.95	< 2	2	28	0.02	2	< 2	< 10	23	< 10	3	7	0.28
1316033026	8	181	2.35	< 10	< 1	0.15	16	0.81	0.021	0.044	1.75	< 2	< 1	28	< 0.01	< 1	< 2	< 10	6	< 10	2	15	0.64
F014062																							
1316033001	10	6	2.50	< 10	< 1	0.18	18	0.83	0.030	0.056	1.57	< 2	< 1	29	< 0.01	< 1	< 2	< 10	8	< 10	2	16	0.37
1430017644	7	5	2.06	< 10	< 1	0.26	< 10	1.05	0.080	0.039	1.40	< 2	< 1	43	< 0.01	< 1	< 2	< 10	5	< 10	2	5	1.28
1316033018	7	195	2.03	< 10	< 1	0.20	16	0.85	0.043	0.042	1.18	< 2	< 1	55	0.03	< 1	< 2	< 10	9	< 10	2	15	0.31
1430017346	41	444	5.03	< 10	1	0.02	< 10	3.20	0.038	0.020	0.24	2	7	67	0.16	< 1	< 2	< 10	83	< 10	3	1	1.17
1316033050	12	77	2.78	< 10	< 1	0.16	22	1.00	0.081	0.059	1.53	< 2	< 1	62	0.02	< 1	< 2	< 10	12	< 10	3	13	0.21
1430017329	13	124	2.73	< 10	< 1	0.15	< 10	0.58	0.043	0.046	2.10	11	2	22	0.04	3	< 2	< 10	21	< 10	2	10	0.13
1430017200	29	349	4.58	< 10	< 1	0.07	< 10	2.52	0.023	0.029	0.65	3	12	56	0.02	< 1	< 2	< 10	77	< 10	3	4	1.96
1430016025	44	375	4.63	< 10	< 1	0.04	< 10	3.05	0.031	0.023	0.66	2	7	60	0.17	< 1	< 2	< 10	72	< 10	3	2	0.92
1430017221	10	109	2.31	< 10	< 1	0.10	14	0.94	0.055	0.051	1.73	< 2	< 1	53	0.01	< 1	< 2	< 10	11	< 10	2	7	0.54
1430017827	10	101	2.30	< 10	< 1	0.10	< 10	0.51	0.059	0.035	2.23	4	< 1	31	< 0.01	< 1	< 2	< 10	6	< 10	1	7	0.10
1430016038	11	13	2.18	< 10	< 1	0.10	11	0.67	0.044	0.042	1.16	< 2	< 1	39	< 0.01	< 1	< 2	< 10	9	< 10	2	6	0.57
1316037014	19	193	4.91	< 10	< 1	0.31	17	2.34	0.022	0.058	3.07	3	2	22	0.03	< 1	< 2	< 10	27	< 10	2	13	0.30

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
1430017209	12	98	2.52	< 10	< 1	0.10	18	0.87	0.058	0.038	1.72	< 2	1	31	< 0.01	2	< 2	< 10	13	< 10	3	8	0.32
1430016194	10	70	2.77	< 10	< 1	0.12	< 10	0.77	0.074	0.055	2.10	< 2	< 1	60	< 0.01	< 1	< 2	< 10	9	< 10	2	8	0.59
1430017156	45	49	5.41	< 10	< 1	0.31	< 10	0.38	0.082	0.045	1.15	6	3	47	0.09	< 1	< 2	14	45	< 10	4	5	0.99
1430017226	45	305	5.93	< 10	< 1	0.02	< 10	2.91	0.033	0.029	0.89	4	8	56	0.17	< 1	< 2	< 10	100	< 10	4	2	0.70
1430017217	12	88	1.94	< 10	< 1	0.16	12	0.67	0.062	0.051	1.74	< 2	< 1	63	< 0.01	< 1	< 2	< 10	6	< 10	2	9	0.90
F014075	7	114	1.89	< 10	< 1	0.13	< 10	0.86	0.047	0.048	1.30	< 2	< 1	39	< 0.01	< 1	< 2	< 10	4	< 10	1	5	
1316029134	30	31	6.04	10	< 1	0.12	< 10	1.62	0.233	0.043	0.39	4	6	30	0.48	3	< 2	< 10	149	21	11	15	0.97
1430026105	7	4	2.01	< 10	< 1	0.30	11	0.84	0.024	0.041	1.41	< 2	< 1	39	< 0.01	< 1	< 2	< 10	5	< 10	2	13	1.79
1316029137	29	82	7.18	< 10	2	0.09	< 10	2.52	0.056	0.056	3.05	5	7	49	< 0.01	< 1	< 2	< 10	89	< 10	5	5	0.22
1316040002	8	6	2.16	< 10	< 1	0.20	18	0.51	0.035	0.048	1.57	< 2	< 1	32	< 0.01	< 1	< 2	< 10	6	< 10	2	18	0.55
1309003350	8	5	2.44	< 10	< 1	0.23	11	0.93	0.014	0.042	1.65	3	< 1	23	< 0.01	< 1	< 2	< 10	7	< 10	2	16	0.22
1316040044	6	129	3.12	< 10	< 1	0.14	13	0.71	0.103	0.040	1.21	< 2	< 1	84	0.03	< 1	< 2	< 10	8	< 10	2	12	0.37
1309003348	7	112	2.23	< 10	< 1	0.23	17	0.91	0.016	0.044	1.65	2	< 1	24	0.03	< 1	< 2	< 10	7	< 10	2	21	0.17
1309003338	7	153	3.38	< 10	< 1	0.16	14	1.01	0.109	0.040	2.36	< 2	< 1	62	0.01	2	< 2	< 10	8	< 10	3	27	0.11
1316040036	7	151	2.28	< 10	< 1	0.25	16	1.29	0.016	0.040	1.35	< 2	< 1	33	0.03	< 1	< 2	< 10	9	< 10	2	24	0.37
1309003104	13	8	4.56	< 10	< 1	0.15	16	2.04	0.045	0.054	3.17	< 2	< 1	35	< 0.01	< 1	< 2	< 10	12	< 10	3	19	0.18
1316029043	8	5	2.28	< 10	< 1	0.25	16	0.48	0.026	0.042	2.02	3	< 1	21	< 0.01	< 1	< 2	< 10	5	< 10	2	18	0.35
1430026114	20	62	4.98	< 10	< 1	0.09	< 10	1.66	0.121	0.047	1.70	2	4	64	0.02	< 1	< 2	< 10	79	< 10	4	7	1.45
1316029001	12	6	2.55	< 10	< 1	0.19	27	0.85	0.047	0.058	1.15	2	1	40	0.05	2	< 2	< 10	16	< 10	4	20	0.24
1430026144	9	101	2.99	< 10	< 1	0.15	13	1.04	0.096	0.042	2.28	2	< 1	59	< 0.01	2	< 2	< 10	8	< 10	3	16	0.14
1430026007	35	3	9.69	< 10	< 1	0.06	< 10	2.53	0.052	0.045	2.66	4	17	79	0.02	< 1	< 2	< 10	250	< 10	6	4	3.27
1316029158	7	7	2.05	< 10	< 1	0.33	17	1.22	0.036	0.041	1.17	3	< 1	45	0.02	< 1	< 2	< 10	10	< 10	2	18	0.58
1316040037	7	5	2.76	< 10	< 1	0.33	15	1.03	0.019	0.038	2.16	< 2	< 1	28	0.03	< 1	< 2	< 10	8	< 10	2	24	0.23
1430026097	22	241	5.91	< 10	< 1	0.09	< 10	1.81	0.073	0.053	2.58	3	4	51	< 0.01	< 1	< 2	< 10	87	< 10	4	7	1.68
1430026104	28	236	7.18	< 10	< 1	0.09	11	2.43	0.045	0.061	4.05	3	6	58	< 0.01	< 1	< 2	< 10	68	< 10	5	6	1.71
1316029181	7	4	1.84	< 10	< 1	0.29	15	1.15	0.023	0.042	1.25	2	< 1	25	< 0.01	< 1	< 2	< 10	7	< 10	2	18	0.59
1316029205	7	6	2.15	< 10	< 1	0.20	15	1.12	0.023	0.040	1.52	3	< 1	28	< 0.01	< 1	< 2	< 10	7	< 10	2	21	0.65
1316040025	8	87	2.34	< 10	< 1	0.32	16	1.05	0.015	0.038	1.71	2	< 1	30	0.02	< 1	< 2	< 10	8	< 10	2	34	0.53
1309003144	24	78	6.05	< 10	< 1	0.07	< 10	1.85	0.147	0.052	2.81	2	5	63	0.02	< 1	< 2	< 10	88	< 10	5	8	1.32
1309003358	7	147	3.47	< 10	< 1	0.18	15	0.72	0.100	0.052	2.24	< 2	< 1	80	0.03	< 1	< 2	< 10	9	< 10	2	16	0.16
F014076	27	20	5.44	< 10	< 1	0.13	< 10	1.48	0.246	0.038	0.35	3	6	51	0.43	< 1	< 2	< 10	126	24	9	15	
1430017258	46	336	6.28	< 10	< 1	0.04	< 10	3.35	0.018	0.025	1.53	3	17	111	0.02	< 1	< 2	< 10	105	< 10	4	3	1.78
1430017339	19	162	3.66	< 10	< 1	0.08	< 10	1.42	0.035	0.035	1.75	3	4	56	0.01	< 1	< 2	< 10	34	< 10	2	6	1.05
1430016210	36	376	6.30	< 10	2	0.05	< 10	3.66	0.012	0.026	0.59	2	17	103	0.01	< 1	< 2	< 10	100	< 10	3	2	2.67
1430017302	39	467	7.72	< 10	1	0.01	< 10	3.92	0.014	0.018	0.93	3	20	169	0.02	< 1	< 2	< 10	134	< 10	5	2	2.02
1430016388	8	140	1.91	< 10	< 1	0.06	11	0.72	0.087	0.045	0.47	< 2	2	66	< 0.01	< 1	< 2	< 10	10	< 10	2	5	1.22
1430016292	7	81	1.74	< 10	< 1	0.08	< 10	0.91	0.063	0.042	0.51	< 2	< 1	51	< 0.01	< 1	< 2	< 10	6	< 10	2	3	1.21
1430016024	42	346	5.82	< 10	< 1	0.14	< 10	3.63	0.021	0.020	0.68	3	14	121	0.12	< 1	< 2	< 10	109	< 10	3	2	1.78
1430016055	8	91	2.17	< 10	< 1	0.12	14	0.80	0.077	0.042	0.89	< 2	< 1	36	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.51
1430020274	31	76	7.78	< 10	< 1	0.11	< 10	2.33	0.043	0.051	3.47	3	8	47	0.04	< 1	< 2	< 10	109	< 10	9	4	1.41
1430016018	13	148	2.06	< 10	< 1	0.15	11	0.64	0.056	0.042	1.08	< 2	< 1	53	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.70
1430016302	7	216	1.96	< 10	< 1	0.07	< 10	0.70	0.053	0.041	0.50	< 2	1	41	< 0.01	< 1	< 2	< 10	12	< 10	3	4	0.78
1430016386	5	91	1.91	< 10	< 1	0.09	12	0.81	0.087	0.047	0.58	< 2	1	51	< 0.01	< 1	< 2	< 10	8	< 10	2	5	1.12
1430020290	23	91	4.31	< 10	< 1	0.10	15	0.96	0.059	0.043	2.30	< 2	3	28	< 0.01	< 1	< 2	< 10	29	< 10	4	10	0.71
1430016096	9	91	2.10	< 10	< 1	0.12	14	0.75	0.053	0.043	0.67	< 2	< 1	43	< 0.01	< 1	< 2	< 10	9	< 10	2	4	0.73
1430020125	44	46	7.37	< 10	< 1	0.09	< 10	1.93	0.034	0.054	5.85	2	6	36	< 0.01	< 1	< 2	< 10	53	< 10	7	3	1.78
1430018004	10	67	2.25	< 10	< 1	0.12	< 10	0.54	0.028	0.017	1.47	< 2	< 1	18	< 0.01	< 1	< 2	< 10	5	< 10	< 1	6	0.15
F014395																							
F014400	28	30	5.83	10	< 1	0.12	< 10	1.58	0.225	0.042	0.38	3	6	30	0.49	< 1	< 2	< 10	148	19	11	14	
1430018012	10	105	2.13	< 10	< 1	0.13	< 10	0.45	0.032	0.030	1.70	< 2	< 1	23	< 0.01	< 1	< 2	< 10	5	< 10	< 1	6	0.10
1430018149	9	6	2.36	< 10	< 1	0.14	10	0.91	0.036	0.018	1.72	< 2	< 1	20	< 0.01	< 1	< 2	< 10	7	< 10	< 1	6	0.11

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
1430018079	9	118	2.29	< 10	< 1	0.11	11	0.95	0.042	0.032	1.36	< 2	< 1	27	0.02	< 1	< 2	< 10	14	< 10	1	6	0.15
1430020192	45	79	7.82	< 10	< 1	0.11	< 10	1.52	0.060	0.051	6.70	3	5	36	< 0.01	< 1	< 2	< 10	54	< 10	7	4	1.86
1430020156	51	129	8.61	10	< 1	0.05	< 10	4.05	0.015	0.034	0.67	4	10	57	0.06	< 1	< 2	< 10	127	< 10	7	2	1.95
1430031012	20	80	3.71	< 10	< 1	0.12	14	1.37	0.024	0.081	0.09	< 2	3	29	< 0.01	< 1	< 2	< 10	34	< 10	4	5	0.34
1430018152	10	98	2.18	< 10	< 1	0.13	12	0.84	0.052	0.047	1.06	< 2	1	27	0.02	< 1	< 2	< 10	15	< 10	2	6	0.28
1430020197	10	52	2.71	< 10	< 1	0.12	< 10	0.96	0.073	0.046	2.47	3	< 1	32	< 0.01	< 1	< 2	< 10	7	< 10	2	11	0.99
1430020217	18	22	4.27	< 10	< 1	0.11	16	1.37	0.048	0.053	0.91	< 2	3	47	0.04	< 1	< 2	< 10	51	< 10	5	11	1.23
1316037129	9	79	4.38	< 10	< 1	0.18	11	1.88	0.016	0.047	2.95	2	< 1	6	< 0.01	< 1	< 2	< 10	13	< 10	2	11	0.06
1430031005	7	105	2.44	< 10	< 1	0.14	< 10	0.98	0.037	0.049	2.07	< 2	< 1	29	< 0.01	< 1	< 2	< 10	3	< 10	2	7	1.18
1430018164	11	224	2.46	< 10	< 1	0.09	< 10	0.96	0.028	0.018	1.72	< 2	< 1	16	< 0.01	< 1	< 2	< 10	7	< 10	< 1	5	0.11
1430020146	48	138	8.86	10	2	0.10	< 10	3.83	0.024	0.036	0.57	3	9	41	0.08	< 1	< 2	< 10	133	< 10	5	2	1.80
1430020215	33	87	7.34	10	< 1	0.06	< 10	2.41	0.024	0.052	0.50	4	10	42	0.09	< 1	< 2	< 10	160	< 10	7	4	1.57
1430020148																							
1430020163	14	11	3.49	< 10	< 1	0.11	< 10	1.16	0.073	0.048	2.93	< 2	2	44	< 0.01	< 1	< 2	< 10	19	< 10	3	11	0.88
1430031043	8	3	2.38	< 10	< 1	0.25	< 10	0.80	0.042	0.041	2.41	11	< 1	25	< 0.01	2	< 2	< 10	4	< 10	1	7	0.76
1430032095	47	476	5.71	< 10	< 1	0.01	< 10	3.63	0.018	0.028	1.05	3	8	39	0.20	3	< 2	< 10	82	< 10	3	3	0.82
1430018167	11	7	2.57	< 10	< 1	0.16	16	1.29	0.058	0.072	1.45	< 2	< 1	34	< 0.01	< 1	< 2	< 10	12	< 10	2	7	0.21
1316031083	9	144	2.01	< 10	< 1	0.14	< 10	0.66	0.014	0.045	1.56	< 2	< 1	23	< 0.01	< 1	< 2	< 10	5	< 10	2	10	0.89
1430031014	35	124	6.80	< 10	2	0.06	< 10	2.36	0.024	0.049	0.21	3	10	43	0.20	< 1	< 2	< 10	140	< 10	7	4	0.61
1316031624	8	86	2.08	< 10	< 1	0.20	13	0.91	0.024	0.045	1.82	3	< 1	33	< 0.01	< 1	< 2	< 10	6	30	2	10	0.97
F014399	29	12	5.67	10	< 1	0.07	< 10	1.59	0.093	0.037	0.16	2	6	47	0.50	1	< 2	< 10	146	< 10	10	13	
F014394	28	12	5.58	< 10	< 1	0.07	< 10	1.58	0.090	0.036	0.16	2	5	44	0.49	< 1	< 2	< 10	141	< 10	10	13	
1316031077	8	8	2.50	< 10	< 1	0.31	13	0.87	0.030	0.042	2.15	< 2	< 1	41	< 0.01	< 1	< 2	< 10	7	< 10	2	12	0.86
1430032178	9	246	2.04	< 10	< 1	0.10	13	0.63	0.034	0.041	1.22	2	< 1	53	< 0.01	< 1	< 2	< 10	8	< 10	3	5	0.75
1316031028	9	122	2.39	< 10	< 1	0.14	15	0.94	0.019	0.055	1.81	3	< 1	26	< 0.01	< 1	< 2	< 10	6	< 10	2	10	0.87
1430032062	8	285	2.27	< 10	< 1	0.09	14	0.78	0.047	0.047	0.54	< 2	< 1	47	< 0.01	< 1	< 2	< 10	9	< 10	2	7	0.91
1430032056	8	206	2.48	< 10	< 1	0.06	16	0.79	0.051	0.051	1.64	< 2	2	43	< 0.01	< 1	< 2	< 10	15	< 10	3	8	0.84
1430032021	17	83	4.00	< 10	< 1	0.12	17	1.34	0.045	0.107	2.95	< 2	3	67	< 0.01	< 1	< 2	< 10	24	< 10	4	13	1.14
1430032085	11	132	2.29	< 10	< 1	0.14	< 10	0.88	0.054	0.045	1.13	< 2	1	58	< 0.01	< 1	< 2	< 10	9	< 10	2	8	1.14
1316031010	8	140	2.05	< 10	< 1	0.15	13	0.62	0.036	0.045	1.78	< 2	< 1	25	< 0.01	< 1	< 2	< 10	6	< 10	2	12	0.54
1430031615	35	136	7.24	< 10	< 1	< 0.01	< 10	2.35	0.019	0.042	0.09	4	11	62	0.26	< 1	< 2	< 10	153	< 10	8	4	1.06
1430032608	35	134	7.07	< 10	2	0.04	< 10	1.96	0.027	0.054	4.17	3	10	36	< 0.01	< 1	< 2	< 10	110	< 10	7	3	1.33
1430032123	8	308	2.29	< 10	< 1	0.09	13	0.68	0.037	0.047	0.82	< 2	< 1	51	< 0.01	2	< 2	< 10	10	< 10	2	7	0.88
1430018041	10	166	2.42	< 10	< 1	0.14	< 10	0.66	0.033	0.047	1.58	< 2	< 1	24	0.01	< 1	< 2	< 10	12	< 10	2	7	0.58
1430018006	8	80	2.10	< 10	< 1	0.14	< 10	0.61	0.031	0.042	1.85	2	< 1	16	< 0.01	< 1	< 2	< 10	5	< 10	1	6	0.35
1430032662	9	116	2.20	< 10	< 1	0.13	< 10	0.82	0.046	0.040	1.50	< 2	< 1	51	< 0.01	< 1	< 2	< 10	7	< 10	2	5	0.89
1430020058	23	152	4.56	< 10	< 1	0.10	10	1.44	0.055	0.044	2.87	3	4	48	< 0.01	< 1	< 2	< 10	38	< 10	4	7	1.54
1430032171	7	184	1.76	< 10	< 1	0.10	12	0.73	0.041	0.042	0.81	< 2	< 1	37	< 0.01	< 1	< 2	< 10	9	< 10	3	4	0.69
1430032643	39	447	5.40	< 10	< 1	0.05	< 10	3.10	0.022	0.036	1.58	3	7	33	0.16	< 1	< 2	< 10	69	< 10	3	4	0.32
1430032671	13	135	2.67	< 10	< 1	0.15	23	0.85	0.054	0.062	1.83	< 2	1	60	< 0.01	< 1	< 2	< 10	11	< 10	3	9	0.79
1430024016	27	23	7.24	< 10	< 1	0.15	< 10	1.71	0.043	0.070	2.69	3	6	34	< 0.01	< 1	< 2	< 10	69	< 10	5	7	1.41
1430031637	42	451	6.97	< 10	< 1	0.05	< 10	4.10	0.016	0.021	0.10	3	18	117	0.15	< 1	< 2	< 10	129	< 10	5	2	1.96
F014454	29	20	5.81	< 10	< 1	0.10	< 10	1.60	0.181	0.038	0.28	2	6	41	0.46	< 1	< 2	< 10	138	17	10	13	
F014464	29	19	5.73	< 10	< 1	0.10	< 10	1.58	0.177	0.037	0.28	< 2	6	40	0.47	3	< 2	< 10	137	17	10	13	
1430024085	34	121	7.82	< 10	< 1	0.12	< 10	1.97	0.054	0.061	6.14	4	6	58	< 0.01	< 1	< 2	< 10	54	< 10	6	7	1.77
1430032082	12	115	2.88	< 10	< 1	0.10	10	0.56	0.036	0.042	2.75	< 2	< 1	45	< 0.01	< 1	< 2	< 10	5	< 10	2	6	0.59
1430032625	12	238	2.48	< 10	< 1	0.13	13	0.75	0.048	0.043	1.98	< 2	< 1	52	< 0.01	< 1	< 2	< 10	6	< 10	2	6	0.87
1429007119	14	246	3.33	< 10	< 1	0.09	13	1.03	0.045	0.047	1.59	2	2	42	< 0.01	< 1	< 2	< 10	19	< 10	2	7	0.66
1430019197	11	72	2.60	< 10	< 1	0.13	18	1.26	0.048	0.061	1.61	< 2	< 1	20	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.10
1429007158	9	15	2.44	< 10	< 1	0.13	15	0.76	0.084	0.046	1.40	< 2	1	54	< 0.01	< 1	< 2	< 10	13	< 10	2	7	0.53
1430024034	28	91	7.81	< 10	< 1	0.09	< 10	1.73	0.034	0.062	4.64	3	6	30	< 0.01	< 1	< 2	< 10	55	< 10	3	6	1.34

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
1430019216	9	98	2.28	< 10	< 1	0.11	19	1.24	0.035	0.041	0.99	< 2	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	2	6	0.15
1430024138	32	121	8.54	< 10	< 1	0.08	< 10	2.89	0.023	0.061	3.13	4	10	60	0.02	< 1	< 2	< 10	131	< 10	5	6	1.54
1316031969	10	192	2.12	< 10	< 1	0.19	14	0.79	0.121	0.049	1.57	< 2	< 1	90	0.03	1	< 2	< 10	9	< 10	2	12	0.29
1429007138	10	216	2.49	< 10	< 1	0.12	10	0.85	0.048	0.046	1.77	< 2	< 1	52	< 0.01	< 1	< 2	< 10	6	< 10	3	7	0.86
1316031912	8	104	2.05	< 10	< 1	0.15	12	0.68	0.063	0.045	1.79	< 2	< 1	51	< 0.01	< 1	< 2	< 10	5	< 10	2	11	0.44
1429006048	48	36	9.18	< 10	< 1	0.08	< 10	1.73	0.064	0.053	8.76	5	6	49	< 0.01	3	< 2	< 10	65	< 10	9	4	1.65
1316031905	9	188	2.03	< 10	< 1	0.16	13	0.65	0.105	0.041	1.67	< 2	< 1	57	0.03	< 1	< 2	< 10	5	< 10	2	11	0.43
1429007104	10	288	2.51	< 10	< 1	0.11	14	0.56	0.050	0.046	2.01	< 2	< 1	35	< 0.01	3	< 2	< 10	8	< 10	2	6	0.48
1316031073	8	108	2.18	< 10	< 1	0.18	13	0.87	0.074	0.047	1.83	< 2	< 1	49	0.01	< 1	< 2	< 10	7	< 10	2	12	0.60
1429007185	8	161	1.82	< 10	< 1	0.14	11	0.65	0.047	0.046	0.74	< 2	< 1	40	< 0.01	< 1	< 2	< 10	8	< 10	3	5	0.64
1431043225	11	147	3.64	< 10	< 1	0.19	14	1.15	0.261	0.048	2.55	2	1	93	0.02	< 1	< 2	< 10	22	< 10	4	10	0.46
1316031950	13	109	3.35	< 10	< 1	0.20	18	0.69	0.075	0.056	3.36	< 2	< 1	47	0.04	< 1	< 2	< 10	5	< 10	3	20	0.35
1430024060	15	39	3.71	< 10	< 1	0.19	11	1.42	0.034	0.068	2.05	< 2	2	34	< 0.01	< 1	< 2	< 10	15	< 10	2	8	1.40
1431043221	34	200	8.15	10	< 1	0.27	< 10	2.35	0.314	0.048	3.97	3	9	97	0.09	< 1	< 2	< 10	153	< 10	6	5	1.51
1430019613	11	86	2.54	< 10	< 1	0.12	< 10	0.74	0.042	0.048	1.99	< 2	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	1	7	0.27
1430024168	17	46	5.30	< 10	< 1	0.23	< 10	2.00	0.030	0.047	1.16	< 2	4	30	0.01	< 1	< 2	< 10	39	< 10	5	8	1.34
1430024262	20	120	5.46	< 10	< 1	0.12	12	1.47	0.052	0.064	2.51	3	4	49	< 0.01	< 1	< 2	< 10	55	< 10	6	9	1.18
1430019931	13	98	2.97	< 10	< 1	0.08	13	1.24	0.034	0.025	2.00	< 2	1	24	< 0.01	< 1	< 2	< 10	17	< 10	3	7	0.27
F014474	28	20	5.73	10	< 1	0.10	< 10	1.58	0.177	0.037	0.28	3	6	40	0.46	1	< 2	< 10	137	16	10	12	
F014458	28	19	5.62	< 10	< 1	0.10	< 10	1.56	0.173	0.037	0.28	< 2	6	39	0.44	3	< 2	< 10	133	17	10	12	
1430008070	8	5	2.38	< 10	< 1	0.13	< 10	0.89	0.030	0.043	1.98	2	< 1	26	< 0.01	< 1	< 2	< 10	3	< 10	1	5	0.96
1430020149	15	76	3.84	< 10	< 1	0.22	17	1.27	0.046	0.052	0.83	< 2	3	46	0.04	< 1	< 2	< 10	41	< 10	4	12	0.76
1316028224	12	240	1.85	< 10	< 1	0.50	15	0.52	0.025	0.040	1.37	5	1	128	0.03	< 1	< 2	< 10	15	< 10	2	13	0.76
1318018029	8	227	2.43	< 10	< 1	0.16	14	0.76	0.042	0.043	1.04	< 2	< 1	29	0.04	< 1	< 2	< 10	13	< 10	3	8	0.29
GC22-5170-020	4	4	2.50	< 10	< 1	0.19	< 10	0.54	0.105	0.038	1.67	< 2	< 1	74	< 0.01	< 1	< 2	< 10	5	< 10	2	11	0.11

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1316044008	1.87	
1316044040	1.85	
1309003319	1.88	
1316044062	1.86	
1316033162	1.35	
1316044095	1.70	
1316044147	1.42	
1316026115	1.78	
1309003089	2.59	
1316026027	1.35	
1430017001	1.61	
1316044612	2.78	
1316026104	1.28	
1316033155	0.85	
1316026620	2.11	
1316026611	1.63	
1316044055	1.79	
1309003313	1.05	
1430017049	1.06	
1309003108	0.14	
F014061		
1316044138	1.21	
1430017625	1.74	
1316037035	2.36	
1430017601	0.85	
1430017809	1.71	
1316033060	1.04	
1430017100	0.76	
1316033104	1.22	
1430017307	0.34	
1430017009	1.61	
1430017023	2.08	
1430017193	1.67	
1316033125	1.63	
1316044108	1.13	
1430017617	1.05	
1430017141	0.94	
1316033026	1.62	
F014062		
1316033001	1.48	
1430017644	1.36	
1316033018	1.12	
1430017346	0.25	
1316033050	1.53	
1430017329	1.94	
1430017200	0.71	
1430016025	0.69	
1430017221	1.58	
1430017827	2.07	
1430016038	1.08	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1316037014	3.14	
1430017209	1.57	
1430016194	1.98	
1430017156	1.03	
1430017226	1.61	
1430017217	1.28	
F014075		
1316029134	1.31	
1430026105	3.65	
1316029137	1.54	
1316040002	1.56	
1309003350	1.15	
1316040044	1.66	
1309003348	1.20	
1309003338	2.47	
1316040036	1.32	
1309003104	3.23	
1316029043	1.93	
1430026114	1.86	
1316029001	1.22	
1430026144	2.20	
1430026007	3.26	
1316029158	1.15	
1316040037	2.13	
1430026097	2.81	
1430026104	4.58	
1316029181	1.17	
1316029205	1.45	
1316040025	1.73	
1309003144	3.13	
1309003358	2.17	
F014076		5.38
1430017258	1.71	
1430017339	1.79	
1430016210	0.73	
1430017302	1.21	
1430016388	0.49	
1430016292	0.48	
1430016024	0.83	
1430016055	0.94	
1430020274	4.10	
1430016018	1.07	
1430016302	0.52	
1430016386	0.59	
1430020290	2.32	
1430016096	0.60	
1430020125	6.17	
1430018004	1.49	
F014395		
F014400		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430018012	1.66	
1430018149	1.70	
1430018079	1.36	
1430020192	7.40	
1430020156	0.95	
1430031012	0.08	
1430018152	1.04	
1430020197	2.35	
1430020217	1.02	
1316037129	3.11	
1430031005	2.05	
1430018164	1.66	
1430020146	0.80	
1430020215	0.66	
1430020148		
1430020163	2.80	
1430031043	2.30	
1430032095	1.28	
1430018167	1.49	
1316031083	1.45	
1430031014	0.25	
1316031624	1.75	
F014399		
F014394		
1316031077	2.16	
1430032178	1.19	
1316031028	1.75	
1430032062	0.54	
1430032056	1.55	
1430032021	3.08	
1430032085	1.17	
1316031010	1.72	
1430031615	0.11	
1430032608	4.99	
1430032123	0.88	
1430018041	1.60	
1430018006	1.78	
1430032662	1.46	
1430020058	3.11	
1430032171	0.73	
1430032643	1.81	
1430032671	1.68	
1430024016	2.78	
1430031637	0.12	
F014454		
F014464		
1430024085	6.84	
1430032082	2.55	
1430032625	1.87	
1429007119	1.52	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430019197	1.55	
1429007158	1.32	
1430024034	4.87	
1430019216	0.97	
1430024138	3.62	
1316031969	1.49	
1429007138	1.66	
1316031912	1.63	
1429006048	9.95	
1316031905	1.55	
1429007104	1.89	
1316031073	1.71	
1429007185	0.73	
1431043225	2.51	
1316031950	3.17	
1430024060	1.98	
1431043221	4.59	
1430019613	1.84	
1430024168	1.17	
1430024262	2.54	
1430019931	1.85	
F014474		
F014458		
1430008070	1.85	
1430020149	0.89	
1316028224	1.34	
1318018029	0.94	
GC22-5170-020	1.63	

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
BaSO4 Meas							43.0																
BaSO4 Cert							41.94																
BaSO4 Meas							43.8																
BaSO4 Cert							41.94																
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																
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BaSO4 Meas							40.5																
BaSO4 Cert							41.94																
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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																

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
BaSO4 Cert							41.94																
BaSO4 Meas							41.2																
BaSO4 Cert							41.94																
BaSO4 Meas							41.1																
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							30.8																
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							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																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							

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
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							0.10																
SiO2 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							0.11																

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																							
SiO2 Meas							0.07																
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			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									0.7	< 0.5	2320	805	< 1	36	60	263	2.74	6		73	0.6	7	0.40
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
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2250	791	< 1	32	65	263	2.75	4		70	0.7	3	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									0.8	< 0.5	2210	792	< 1	33	63	262	2.78	4		70	0.7	4	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)									0.8	< 0.5	2260	751	< 1	35	61	258	2.88	6		71	0.8	12	0.35

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																							
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	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									2.2	< 0.5	4350	899	< 1	33	77	332	2.76	2		61	0.5	15	0.40
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	4250	891	< 1	31	86	341	2.79	5		59	0.6	15	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 923 (AQUA REGIA) Meas									1.6	< 0.5	4370	892	< 1	32	85	341	2.86	7		57	0.6	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 923 (AQUA REGIA) Meas									1.4	< 0.5	4380	845	< 1	32	82	332	2.88	5		57	0.7	20	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 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 96 (Aqua Regia) Meas									10.1		> 10000				86	401						12	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.5		> 10000				89	409						13	
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											345	170	< 1	233	8	26	6.59			154	0.9	< 2	0.08
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	162	< 1	221	14	25	6.63			139	1.1	< 2	0.06

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 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											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								3040															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3080															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								2980															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3050															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3040															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3090															
OREAS 238 (Fire Assay) Cert								3030															
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
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GS316-3 Cert																							
GS316-3 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
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								505															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								507															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								498															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								518															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								527															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								492															
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																							

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																							
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GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									37.8	175	1960	465	8	16	> 5000	> 10000	1.27	47		24	0.5	< 2	1.44
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									39.6	173	1800	443	9	13	> 5000	> 10000	1.22	49		24	0.6	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
Oreas 620 (Aqua Regia) Meas									41.6	179	1900	461	9	13	> 5000	> 10000	1.27	50		25	0.7	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									42.1	170	1850	438	10	14	> 5000	> 10000	1.30	53		20	0.7	3	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
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
1316044040 Orig	None	-35.4		15.4	0.303	50.81																	
1316044040 Dup	None	-35.0		15.8	0.310	50.81																	
1316044062 Orig			8.86																				
1316044062 Dup			8.86																				
1316044095 Orig							0.50																
1316044095 Dup							0.51																
1316026027 Orig								85															
1316026027 Dup								99															
1430017001 Orig																							
1430017001 Dup																							
1316044612 Orig									1.3	1.1	100	967	< 1	79	26	355	2.15	15	< 10	35	< 0.5	< 2	2.65
1316044612 Dup									1.3	1.2	101	972	< 1	81	27	350	2.15	15	< 10	35	< 0.5	< 2	2.67

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
1316026620 Orig							0.66																
1316026620 Dup							0.67																
1309003108 Orig								13															
1309003108 Dup								11															
1316044138 Orig																							
1316044138 Dup																							
1430017809 Orig									1.1	< 0.5	105	494	< 1	38	2	51	1.40	10	< 10	29	< 0.5	< 2	2.21
1430017809 Dup									1.1	< 0.5	104	489	< 1	36	< 2	51	1.39	9	< 10	28	< 0.5	< 2	2.20
1316033104 Orig							0.36																
1316033104 Dup							0.40																
1430017009 Orig								116															
1430017009 Dup								121															
1430017193 Orig																							
1430017193 Dup																							
1316033026 Orig							0.55																
1316033026 Dup							0.54																
1316033018 Orig								210	0.4	< 0.5	20	636	< 1	13	22	187	1.80	41	< 10	31	< 0.5	< 2	1.26
1316033018 Dup								178	0.4	< 0.5	20	655	< 1	13	23	186	1.86	42	< 10	32	< 0.5	< 2	1.29
1316033050 Orig																							
1316033050 Dup																							
1430016038 Orig	Slight																						
1430016038 Dup	Slight																						
1430017209 Orig							0.48																
1430017209 Dup							0.47																
1430017156 Orig								29															
1430017156 Dup								30															
1430017226 Orig																							
1430017226 Dup																							
1430026105 Orig		22.6		119	1.24	96.12																	
1430026105 Dup		21.3		117	1.22	96.12																	
1309003350 Orig							0.38																
1309003350 Dup							0.34																
1309003338 Orig									0.8	< 0.5	37	328	< 1	11	4	66	2.13	20	< 10	36	< 0.5	< 2	0.96
1309003338 Dup									0.4	< 0.5	38	332	< 1	12	5	65	2.18	19	< 10	37	< 0.5	< 2	0.97
1316040036 Orig																							
1316040036 Dup																							
1309003104 Orig								208															
1309003104 Dup								233															
1430026097 Orig							1.23																
1430026097 Dup							1.47																
1316029181 Orig			9.43																				
1316029181 Dup			9.40																				
1316040025 Orig									1.6	21.8	84	950	< 1	9	62	5080	1.43	49	< 10	28	< 0.5	< 2	1.73
1316040025 Dup									1.5	21.1	79	914	< 1	9	63	4940	1.36	47	< 10	26	< 0.5	< 2	1.67
1309003144 Orig								47															
1309003144 Dup								43															
1430016210 Orig							0.72																
1430016210 Dup							0.74																
1430016292 Orig							0.44																

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
1430016292 Dup							0.40																
1430016055 Orig								38															
1430016055 Dup								35															
1430016018 Orig									< 0.2	< 0.5	160	312	3	15	< 2	17	1.02	3	< 10	44	< 0.5	< 2	1.84
1430016018 Dup									< 0.2	< 0.5	162	312	2	13	2	20	1.02	4	< 10	44	< 0.5	< 2	1.83
1430018004 Orig	None						0.38		0.5	0.7	58	1060	3	9	25	336	1.07	33	< 10	26	< 0.5	< 2	0.15
1430018004 Dup	None						0.37		0.5	0.7	59	1080	3	10	25	342	1.09	35	< 10	28	< 0.5	< 2	0.15
1430018012 Orig																							
1430018012 Dup																							
1430031012 Orig									< 0.2	< 0.5	215	1390	1	36	< 2	75	2.00	< 2	< 10	36	< 0.5	< 2	0.56
1430031012 Dup									< 0.2	< 0.5	218	1430	1	38	< 2	76	2.05	3	< 10	38	< 0.5	< 2	0.56
1430020217 Orig							0.58																
1430020217 Dup							0.58																
1430031005 Orig																							
1430031005 Dup																							
1430018164 Orig								81															
1430018164 Dup								83															
1430020215 Orig									0.4	< 0.5	77	1170	< 1	77	< 2	155	3.12	6	< 10	22	< 0.5	< 2	3.65
1430020215 Dup									0.3	< 0.5	76	1170	< 1	75	< 2	154	3.11	4	< 10	22	< 0.5	< 2	3.66
1316031077 Orig							0.96																
1316031077 Dup							0.89																
1430032178 Orig								60															
1430032178 Dup								57															
1430032056 Orig									< 0.2	< 0.5	25	249	< 1	21	< 2	26	0.91	3	< 10	23	< 0.5	< 2	2.13
1430032056 Dup									< 0.2	< 0.5	26	248	< 1	22	< 2	27	0.89	< 2	< 10	23	< 0.5	< 2	2.13
1430032608 Orig							4.05																
1430032608 Dup							3.69																
1430032123 Orig																							
1430032123 Dup																							
1430024016 Orig									0.8	2.1	215	1750	< 1	34	< 2	300	2.04	8	< 10	38	< 0.5	< 2	2.40
1430024016 Dup									0.9	2.2	217	1770	< 1	34	< 2	304	2.05	12	< 10	39	< 0.5	< 2	2.43
1430032082 Orig																							
1430032082 Dup																							
1430032625 Orig							0.55																
1430032625 Dup							0.53																
1429007119 Orig								59															
1429007119 Dup								60															
1430019197 Orig	None	-36.0		6.99	0.163	43.01																	
1430019197 Dup	None	-36.3		6.75	0.157	43.01																	
1430024138 Orig			8.57																				
1430024138 Dup			8.58																				
1316031969 Orig									1.1	1.8	37	646	< 1	15	56	435	2.64	26	< 10	41	< 0.5	< 2	1.94
1316031969 Dup									1.2	1.7	37	646	< 1	14	56	424	2.57	27	< 10	41	< 0.5	< 2	1.94
1316031912 Orig							0.51																
1316031912 Dup							0.48																
1316031912 Orig																							
1316031912 Dup																							
1316031905 Orig								48															
1316031905 Dup								41															

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
1431043221 Orig		-52.4		64.9	0.554	117.32																	
1431043221 Dup		-51.4		65.9	0.562	117.32																	
1430024168 Orig																							
1430024168 Dup																							
1430024262 Orig		-55.5		14.2	0.204	69.73			0.2	< 0.5	95	1170	< 1	29	3	172	2.16	5	< 10	41	< 0.5	< 2	2.85
1430024262 Dup		-55.5		14.2	0.204	69.73			0.2	< 0.5	92	1150	< 1	28	< 2	167	2.13	7	< 10	40	< 0.5	< 2	2.81
1430019931 Orig							0.52																
1430019931 Dup							0.52																
1318018029 Orig																							
1318018029 Dup																							
GC22-5170-020 Orig	None	-36.0	8.69	11.2	0.237	47.25																	
GC22-5170-020 Dup	None	-36.0	8.72	11.2	0.238	47.25																	
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									< 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								< 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																							
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

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																							
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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																							
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RTS-3a Meas																							
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RTS-3a Meas																							
RTS-3a Cert																							
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																							1.09
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

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																							1.10
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
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
GS311-4 Meas																							
GS311-4 Cert																							
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																							0.02
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																							0.02
SiO2 Cert																							
SiO2 Meas																							0.02
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							< 0.01
SiO2 Cert																							
SiO2 Meas																							0.02

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																							
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																							
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NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	19	45	5.33	< 10		0.39	38	1.34	0.021	0.065	0.37	2	4	15			< 2	< 10	32	< 10	17	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	20	43	5.20	< 10		0.37	34	1.31	0.022	0.066	0.37	3	3	16			< 2	< 10	31	< 10	16	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 922 (AQUA REGIA) Meas	20	43	5.27	< 10		0.37	34	1.30	0.022	0.066	0.35	3	3	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 922 (AQUA REGIA) Meas	20	44	5.31	< 10		0.38	34	1.32	0.021	0.066	0.38	< 2	3	16			< 2	< 10	32	< 10	16	30	
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	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	

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	41	6.13	< 10		0.33	34	1.43		0.061	0.64	3	4	14			< 2	< 10	32	< 10	15	33	
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	6.03	< 10		0.31	31	1.38		0.063	0.64	3	3	15			< 2	< 10	32	< 10	14	24	
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	42	6.17	< 10		0.31	31	1.40		0.064	0.66	3	3	15			< 2	< 10	32	< 10	14	25	
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	6.08	< 10		0.31	31	1.40		0.062	0.68	3	3	15			< 2	< 10	32	< 10	14	33	
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	5.74	< 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 96 (Aqua Regia) Meas	47										3.54	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	47										3.68	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	357	14.1	20	< 1	0.09	12	0.17	0.038	0.021	0.02		33	14	0.13		< 2	< 10	203		6	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	347	13.9	20	< 1	0.08	< 10	0.16	0.034	0.020	0.02		28	14	0.15		< 2	< 10	202		5	22	
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	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																							

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) 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
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																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (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																							
GS317-5 Meas																							8.23
GS317-5 Cert																							8.46
GS317-5 Meas																							8.18
GS317-5 Cert																							8.46
GS317-5 Meas																							8.02
GS317-5 Cert																							8.46
GS317-5 Meas																							8.06
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

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																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas	14	19	2.84	< 10	2	0.30	29	0.28	0.112	0.034	2.66	79		20			< 2	< 10	9	< 10	8	79	
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	2.70	< 10	2	0.28	25	0.27	0.109	0.034	2.58	65		19			< 2	< 10	8	< 10	7	51	
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	2.80	< 10	2	0.28	26	0.28	0.113	0.035	2.67	66		20			< 2	< 10	9	< 10	7	53	
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	2.82	< 10	2	0.28	26	0.28	0.119	0.033	2.67	68		20			< 2	< 10	9	< 10	7	57	
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	2.78	< 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	
1316044040 Orig																							
1316044040 Dup																							
1316044062 Orig																							
1316044062 Dup																							
1316044095 Orig																							
1316044095 Dup																							
1316026027 Orig																							
1316026027 Dup																							
1430017001 Orig																							0.56
1430017001 Dup																							0.55
1316044612 Orig	27	208	5.65	< 10	1	0.46	< 10	1.32	0.059	0.058	2.65	2	5	81	0.24	< 1	< 2	< 10	85	< 10	5	7	
1316044612 Dup	26	204	5.66	< 10	< 1	0.46	< 10	1.33	0.058	0.058	2.61	3	5	81	0.23	< 1	< 2	< 10	84	< 10	5	7	
1316026620 Orig																							
1316026620 Dup																							
1309003108 Orig																							
1309003108 Dup																							
1316044138 Orig																							0.34
1316044138 Dup																							0.33
1430017809 Orig	14	286	3.51	< 10	< 1	0.09	12	1.16	0.045	0.042	1.68	< 2	3	56	< 0.01	< 1	< 2	< 10	24	< 10	2	9	
1430017809 Dup	15	283	3.50	< 10	< 1	0.09	12	1.13	0.044	0.042	1.71	< 2	3	55	< 0.01	1	< 2	< 10	24	< 10	2	9	
1316033104 Orig																							
1316033104 Dup																							
1430017009 Orig																							
1430017009 Dup																							
1430017193 Orig																							1.08
1430017193 Dup																							1.07
1316033026 Orig																							
1316033026 Dup																							
1316033018 Orig	7	195	2.03	< 10	< 1	0.20	16	0.85	0.043	0.042	1.18	< 2	< 1	55	0.03	< 1	< 2	< 10	9	< 10	2	15	
1316033018 Dup	8	203	2.08	< 10	< 1	0.20	17	0.87	0.045	0.042	1.20	2	< 1	57	0.03	< 1	< 2	< 10	9	< 10	2	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
1316033050 Orig																							0.21
1316033050 Dup																							0.20
1430016038 Orig																							
1430016038 Dup																							
1430017209 Orig																							
1430017209 Dup																							
1430017156 Orig																							
1430017156 Dup																							
1430017226 Orig																							0.70
1430017226 Dup																							0.70
1430026105 Orig																							
1430026105 Dup																							
1309003350 Orig																							
1309003350 Dup																							
1309003338 Orig	7	153	3.38	< 10	< 1	0.16	14	1.01	0.109	0.040	2.36	< 2	< 1	62	0.01	2	< 2	< 10	8	< 10	3	27	
1309003338 Dup	8	155	3.50	< 10	< 1	0.16	15	1.03	0.112	0.042	2.48	3	< 1	64	0.01	< 1	< 2	< 10	8	< 10	3	27	
1316040036 Orig																							0.37
1316040036 Dup																							0.37
1309003104 Orig																							
1309003104 Dup																							
1430026097 Orig																							
1430026097 Dup																							
1316029181 Orig																							0.59
1316029181 Dup																							0.59
1316040025 Orig	8	87	2.34	< 10	< 1	0.32	16	1.05	0.015	0.038	1.71	2	< 1	30	0.02	< 1	< 2	< 10	8	< 10	2	34	
1316040025 Dup	8	84	2.27	< 10	< 1	0.31	16	1.01	0.014	0.036	1.67	2	< 1	28	0.02	< 1	< 2	< 10	8	< 10	2	31	
1309003144 Orig																							
1309003144 Dup																							
1430016210 Orig																							
1430016210 Dup																							
1430016292 Orig																							1.21
1430016292 Dup																							1.20
1430016055 Orig																							
1430016055 Dup																							
1430016018 Orig	13	148	2.06	< 10	< 1	0.15	11	0.64	0.056	0.042	1.08	< 2	< 1	53	< 0.01	< 1	< 2	< 10	8	< 10	2	6	
1430016018 Dup	12	146	2.05	< 10	< 1	0.15	12	0.65	0.056	0.041	1.07	< 2	< 1	53	< 0.01	< 1	< 2	< 10	8	< 10	2	6	
1430018004 Orig	10	67	2.25	< 10	< 1	0.12	< 10	0.54	0.028	0.017	1.47	< 2	< 1	18	< 0.01	< 1	< 2	< 10	5	< 10	< 1	6	
1430018004 Dup	10	69	2.26	< 10	< 1	0.12	< 10	0.55	0.029	0.017	1.48	< 2	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	< 1	6	
1430018012 Orig																							0.10
1430018012 Dup																							0.10
1430031012 Orig	20	80	3.71	< 10	< 1	0.12	14	1.37	0.024	0.081	0.09	< 2	3	29	< 0.01	< 1	< 2	< 10	34	< 10	4	5	
1430031012 Dup	21	81	3.84	< 10	< 1	0.12	14	1.41	0.026	0.080	0.09	< 2	3	30	< 0.01	< 1	< 2	< 10	35	< 10	4	5	
1430020217 Orig																							
1430020217 Dup																							
1430031005 Orig																							1.18
1430031005 Dup																							1.18
1430018164 Orig																							
1430018164 Dup																							
1430020215 Orig	33	87	7.34	10	< 1	0.06	< 10	2.41	0.024	0.052	0.50	4	10	42	0.09	< 1	< 2	< 10	160	< 10	7	4	
1430020215 Dup	33	90	7.34	10	< 1	0.06	< 10	2.40	0.024	0.052	0.51	3	10	42	0.09	< 1	< 2	< 10	159	< 10	7	4	
1316031077 Orig																							0.86

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
1316031077 Dup																							0.85
1430032178 Orig																							
1430032178 Dup																							
1430032056 Orig	8	206	2.48	< 10	< 1	0.06	16	0.79	0.051	0.051	1.64	< 2	2	43	< 0.01	< 1	< 2	< 10	15	< 10	3	8	
1430032056 Dup	8	208	2.41	< 10	< 1	0.06	15	0.77	0.050	0.051	1.59	< 2	2	43	< 0.01	< 1	< 2	< 10	14	< 10	3	8	
1430032608 Orig																							
1430032608 Dup																							
1430032123 Orig																							0.88
1430032123 Dup																							0.87
1430024016 Orig	27	23	7.24	< 10	< 1	0.15	< 10	1.71	0.043	0.070	2.69	3	6	34	< 0.01	< 1	< 2	< 10	69	< 10	5	7	
1430024016 Dup	29	23	7.26	< 10	< 1	0.15	< 10	1.73	0.044	0.070	2.68	2	6	35	< 0.01	< 1	< 2	< 10	70	< 10	5	7	
1430032082 Orig																							0.59
1430032082 Dup																							0.59
1430032625 Orig																							
1430032625 Dup																							
1429007119 Orig																							
1429007119 Dup																							
1430019197 Orig																							
1430019197 Dup																							
1430024138 Orig																							
1430024138 Dup																							
1316031969 Orig	10	192	2.12	< 10	< 1	0.19	14	0.79	0.121	0.049	1.57	< 2	< 1	90	0.03	1	< 2	< 10	9	< 10	2	12	
1316031969 Dup	10	189	2.08	< 10	< 1	0.19	14	0.79	0.121	0.048	1.54	< 2	< 1	87	0.03	< 1	< 2	< 10	9	< 10	2	12	
1316031912 Orig																							0.44
1316031912 Dup																							0.43
1316031912 Orig																							
1316031912 Dup																							
1316031905 Orig																							
1316031905 Dup																							
1431043221 Orig																							
1431043221 Dup																							
1430024168 Orig																							1.34
1430024168 Dup																							1.41
1430024262 Orig	20	120	5.46	< 10	< 1	0.12	12	1.47	0.052	0.064	2.51	3	4	49	< 0.01	< 1	< 2	< 10	55	< 10	6	9	1.18
1430024262 Dup	20	117	5.35	< 10	< 1	0.12	12	1.45	0.051	0.063	2.49	2	4	49	< 0.01	< 1	< 2	< 10	54	< 10	6	9	1.17
1430019931 Orig																							
1430019931 Dup																							
1318018029 Orig																							
1318018029 Dup																							
GC22-5170-020 Orig																							
GC22-5170-020 Dup																							
Method Blank																							
Method Blank																							
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Method Blank																							
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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	< 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																							
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																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 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	< 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	0.004	< 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	

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	14.0	
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	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		

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		
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		
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	0.56	
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	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS311-4 Meas	0.53	
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	0.54	
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	0.03	
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		

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		
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 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	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 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 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		

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		
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	0.32	
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	0.33	
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	

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	
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		
GS317-5 Meas	15.4	
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	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	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	

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	15.1	
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		
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		
1316044040 Orig		
1316044040 Dup		
1316044062 Orig		
1316044062 Dup		
1316044095 Orig		
1316044095 Dup		
1316026027 Orig		
1316026027 Dup		
1430017001 Orig	1.61	
1430017001 Dup	1.62	
1316044612 Orig		
1316044612 Dup		
1316026620 Orig		
1316026620 Dup		
1309003108 Orig		
1309003108 Dup		
1316044138 Orig	1.21	
1316044138 Dup	1.24	
1430017809 Orig		
1430017809 Dup		
1316033104 Orig		
1316033104 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430017009 Orig		
1430017009 Dup		
1430017193 Orig	1.67	
1430017193 Dup	1.60	
1316033026 Orig		
1316033026 Dup		
1316033018 Orig		
1316033018 Dup		
1316033050 Orig	1.53	
1316033050 Dup	1.39	
1430016038 Orig		
1430016038 Dup		
1430017209 Orig		
1430017209 Dup		
1430017156 Orig		
1430017156 Dup		
1430017226 Orig	1.61	
1430017226 Dup	1.61	
1430026105 Orig		
1430026105 Dup		
1309003350 Orig		
1309003350 Dup		
1309003338 Orig		
1309003338 Dup		
1316040036 Orig	1.32	
1316040036 Dup	1.25	
1309003104 Orig		
1309003104 Dup		
1430026097 Orig		
1430026097 Dup		
1316029181 Orig	1.17	
1316029181 Dup	1.21	
1316040025 Orig		
1316040025 Dup		
1309003144 Orig		
1309003144 Dup		
1430016210 Orig		
1430016210 Dup		
1430016292 Orig	0.48	
1430016292 Dup	0.49	
1430016055 Orig		
1430016055 Dup		
1430016018 Orig		
1430016018 Dup		
1430018004 Orig		
1430018004 Dup		
1430018012 Orig	1.66	
1430018012 Dup	1.67	
1430031012 Orig		
1430031012 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430020217 Orig		
1430020217 Dup		
1430031005 Orig	2.05	
1430031005 Dup	2.03	
1430018164 Orig		
1430018164 Dup		
1430020215 Orig		
1430020215 Dup		
1316031077 Orig	2.16	
1316031077 Dup	2.07	
1430032178 Orig		
1430032178 Dup		
1430032056 Orig		
1430032056 Dup		
1430032608 Orig	4.99	
1430032608 Dup	4.96	
1430032123 Orig	0.88	
1430032123 Dup	0.89	
1430024016 Orig		
1430024016 Dup		
1430032082 Orig	2.55	
1430032082 Dup	2.58	
1430032625 Orig		
1430032625 Dup		
1429007119 Orig		
1429007119 Dup		
1430019197 Orig		
1430019197 Dup		
1430024138 Orig		
1430024138 Dup		
1316031969 Orig		
1316031969 Dup		
1316031912 Orig	1.60	
1316031912 Dup	1.66	
1316031912 Orig	1.63	
1316031912 Dup	1.70	
1316031905 Orig		
1316031905 Dup		
1431043221 Orig		
1431043221 Dup		
1430024168 Orig	1.17	
1430024168 Dup	1.29	
1430024262 Orig	2.54	
1430024262 Dup	2.60	
1430019931 Orig		
1430019931 Dup		
1318018029 Orig	0.94	
1318018029 Dup	1.03	
GC22-5170-020 Orig		
GC22-5170-020		

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

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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: 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.: **A23-03440**
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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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

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																							
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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																							
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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															
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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								0.11															
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 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																							
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GS317-5 Meas																							
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GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									42.2	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																						
Method Blank	< 5																						
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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

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																							
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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																							
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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		
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.
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.: **A23-01862**
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:

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	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																							
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GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
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SiO2 Meas							< 0.05																
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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																							
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																							
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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		

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**

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 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:

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: 673

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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

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																							
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									39.3	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																							
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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																							1.10
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																							
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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
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																							
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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		

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**

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

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 Cert																							
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		

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**

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.: **A22-17878**
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:
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																							
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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																							
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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								< 0.05															
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																							
GS316-3 Meas																							
GS316-3 Cert																							
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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																							

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																							
GS317-5 Meas																							
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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 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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GS311-4 Cert																							1.11
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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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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) 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																							0.06
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																							
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																							
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																							
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																							
Method Blank																							
Method Blank																							
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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
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		
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Method Blank		
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		< 0.02
Method Blank		< 0.02

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**

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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.: **A22-17874**
Report Date: **24-Mar-23**
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Vancouver BC V7X 1M9 Canada
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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

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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																							
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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																							
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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																							
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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																							
GS317-5 Meas																							
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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																						
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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
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																							
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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																							
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																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
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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
SiO2 Cert																							
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
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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																							
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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
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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																							
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																							
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																							
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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.: **A22-14610**
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**

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.
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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

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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																							
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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																						
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	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																						
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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																							
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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																							
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RTS-3a Cert																							
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
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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.: **A22-14587**
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.
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

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:

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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: 266

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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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																							
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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							0.42																
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															
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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																							
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BaSO4 Cert																							
BaSO4 Meas																							
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																							
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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
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																							
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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

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																							
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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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 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 Cert																							
SiO2 Meas																							
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																							
OREAS 238 (Fire Assay) Cert																							
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OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
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																							
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																							
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	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		
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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		
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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		
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**

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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: 673

ACTIVATION LABORATORIES LTD.
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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

ACTIVATION LABORATORIES LTD.
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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																
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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																							
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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																							
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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																							
BaSO4 Cert																							
BaSO4 Meas																							
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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																							
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																							
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		

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**

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 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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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.: **A22-16738**
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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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

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																							
GS311-4 Cert																							
GS311-4 Meas																							
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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							0.11																
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																							
SiO2 Cert																							
SiO2 Meas																							
SiO2 Cert																							
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																							
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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															
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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																							
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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
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
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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
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
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
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																							
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																							
Method Blank																							
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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	
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	
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	
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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	
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	14.6
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	
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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.
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.: **A22-14610**
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:

Mark Vandergeest
Quality Control Coordinator

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

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																							
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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																							
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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																							
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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									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																						
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	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																							
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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
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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

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

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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																							
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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																							
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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	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																							
GS317-5 Meas																							
GS317-5 Cert																							
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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																							
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																						
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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
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																							
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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																							
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
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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
SiO2 Cert																							
SiO2 Meas																							< 0.01
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SiO2 Meas																							< 0.01
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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																							< 0.01
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) 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																							
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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
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GS316-3 Cert																							0.0600
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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) 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																							
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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		
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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		
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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		
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		
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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		
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**

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

Report No.: **A22-17878**
Report Date: **05-Apr-23**
Date Submitted: **29-Nov-22**
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New Gold Inc.
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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:
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:

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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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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																							
GS311-4 Meas																							
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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								0.06															
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																							
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																							

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																							
GS317-5 Meas																							
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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																							
RTS-3a Cert																							
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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
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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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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																							
OREAS 238 (Fire Assay) Meas																							
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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
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																							
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																							
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																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (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																							
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																							
Method Blank																							
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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
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		
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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.
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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.: **A23-01844**
Report Date: **19-Apr-23**
Date Submitted: **08-Feb-23**
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Vancouver BC V7X 1M9
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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																							
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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:

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: 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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BaSO4 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																							1.12
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																							
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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
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**

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.: **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:

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	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																							
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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																							
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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**

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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: 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.: **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

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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																							
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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 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															
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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								0.11															
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																							
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 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																							
GS317-5 Cert																							
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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																						
Method Blank	< 5																						
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Method Blank	< 5																						
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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

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																							
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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
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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																							
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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																							
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Method Blank																							
Method Blank																							
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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		
Method Blank		
Method Blank		

Report No.: **A23-03442**
Report Date: **15-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

178 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek Package	Acid Base Accounting	2023-04-20 15:15:45
4F-C, S	Infrared	2023-04-17 21:39:15

REPORT **A23-03442**

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 samples F014395 and 1430020148.

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.: **A23-03442**
Report Date: **15-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

178 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)	2023-03-24 10:22:50
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2023-03-29 14:03:12
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2023-03-24 11:04:55

REPORT **A23-03442**

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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 samples F014395 and 1430020148.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

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CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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
1316044008	Slight	-25.5	8.92	26.7	0.512	52.19	0.61	312	0.9	5.2	30	802	< 1	10	149	1320	1.62	48	< 10	36	< 0.5	< 2	1.46
1316044040	None	-35.4	8.87	15.4	0.303	50.81	0.67	568	1.1	10.0	67	601	< 1	15	388	2690	0.85	36	< 10	48	< 0.5	< 2	0.74
1309003319	Slight	-31.2	8.77	21.9	0.412	53.15	0.52	774	0.7	< 0.5	397	300	< 1	10	6	53	1.37	6	< 10	46	< 0.5	12	1.31
1316044062	Slight	-12.2	8.86	40.8	0.769	53.07	0.47	294	1.2	1.1	48	1040	< 1	13	196	370	0.69	78	< 10	37	< 0.5	< 2	1.55
1316033162	Slight	-6.84	8.70	29.4	0.811	36.20	0.57	656	1.4	5.1	52	719	< 1	15	232	1250	2.42	42	< 10	45	< 0.5	< 2	1.74
1316044095	Slight	-23.7	8.72	24.2	0.505	47.95	0.50	246	1.2	0.7	28	879	< 1	30	150	291	1.81	47	< 10	39	< 0.5	< 2	1.45
1316044147	Slight	-1.35	9.16	38.9	0.966	40.22	0.39	84	1.2	0.8	29	833	< 1	11	125	280	1.48	30	< 10	31	< 0.5	< 2	1.79
1316026115	Slight	0.318	8.96	49.9	1.01	49.58	0.57	234	1.8	1.1	33	889	1	8	196	359	0.65	117	< 10	33	< 0.5	< 2	1.81
1309003089	None	-59.8	8.78	11.5	0.161	71.27	0.91	319	1.9	4.1	472	336	1	20	4	1010	2.53	42	< 10	41	< 0.5	3	0.67
1316026027	Slight	-5.96	8.90	31.6	0.841	37.57	0.43	85	1.1	0.6	90	279	4	46	31	159	0.40	25	< 10	28	< 0.5	< 2	1.33
1430017001	Slight	-4.77	8.97	40.5	0.894	45.25	0.50	378	1.1	0.9	50	1280	1	15	124	334	1.26	38	< 10	24	< 0.5	< 2	1.25
1316044612	Slight	-6.24	8.73	69.7	0.918	75.90	1.06	172	1.3	1.1	100	967	< 1	79	26	355	2.15	15	< 10	35	< 0.5	< 2	2.65
1316026104	Slight	-5.75	8.87	29.7	0.838	35.41	0.43	161	1.2	1.4	26	741	< 1	19	106	335	1.49	51	10	26	< 0.5	< 2	1.55
1316033155	Slight	0.664	9.03	23.9	1.03	23.25	0.32	753	0.6	< 0.5	22	495	< 1	9	13	107	2.80	24	< 10	46	< 0.5	< 2	1.85
1316026620	Slight	-6.55	8.75	52.4	0.889	58.95	0.66	1070	2.0	1.4	44	748	< 1	12	78	507	0.70	151	< 10	23	< 0.5	< 2	2.15
1316026611	Slight	4.53	8.90	50.0	1.10	45.48	0.54	359	2.3	2.9	47	1160	< 1	10	348	880	0.55	157	< 10	36	< 0.5	< 2	1.41
1316044055	Slight	-7.37	9.02	39.4	0.843	46.78	0.88	83	0.5	1.4	40	1130	1	89	29	411	1.83	16	< 10	49	< 0.5	< 2	1.74
1309003313	Slight	-14.5	8.86	15.0	0.509	29.44	0.33	2280	0.3	< 0.5	130	191	< 1	7	< 2	21	2.33	7	< 10	39	< 0.5	< 2	1.35
1430017049	Slight	12.3	9.04	40.9	1.43	28.57	0.45	31	0.8	0.6	28	631	< 1	30	5	210	1.58	103	< 10	34	< 0.5	< 2	1.18
1309003108	Slight	84.8	9.17	85.4	140	0.61	0.36	13	< 0.2	< 0.5	22	788	< 1	78	3	70	2.77	3	< 10	511	< 0.5	< 2	3.31
F014061								1860															
1316044138	Slight	-5.63	8.94	28.7	0.836	34.34	0.38	186	0.3	0.6	28	742	< 1	10	24	211	1.59	5	< 10	32	< 0.5	< 2	1.51
1430017625	Slight	23.3	9.22	73.4	1.46	50.14	0.41	1510	3.4	< 0.5	16	1710	< 1	12	9	220	0.43	1560	< 10	24	< 0.5	< 2	2.04
1316037035	Slight	-2.49	8.83	61.1	0.961	63.60	0.96	99	2.0	0.5	34	1430	< 1	19	60	177	1.57	41	< 10	44	< 0.5	< 2	2.35
1430017601	Slight	-7.61	9.21	16.0	0.677	23.59	0.28	189	1.2	< 0.5	23	474	< 1	16	4	155	1.35	72	< 10	28	< 0.5	< 2	0.57
1430017809	Slight	17.1	8.98	64.7	1.36	47.61	0.55	429	1.1	< 0.5	105	494	< 1	38	2	51	1.40	10	< 10	29	< 0.5	< 2	2.21
1316033060	Slight	0.727	9.02	28.6	1.03	27.85	0.45	267	0.8	0.6	33	742	< 1	24	26	245	2.58	29	< 10	74	< 0.5	< 2	1.83
1430017100	Slight	85.6	9.26	102	6.35	16.01	0.75	90	0.4	< 0.5	102	911	< 1	135	8	86	2.76	14	< 10	13	< 0.5	< 2	3.89
1316033104	Slight	-12.4	8.85	21.7	0.636	34.16	0.36	145	0.4	< 0.5	33	716	< 1	12	27	109	3.15	31	< 10	37	< 0.5	< 2	1.95
1430017307	Slight	54.7	9.37	62.3	8.20	7.59	0.30	21	< 0.2	< 0.5	27	436	< 1	41	< 2	25	1.48	4	< 10	47	< 0.5	< 2	2.46
1430017009	Slight	-5.34	9.26	39.2	0.880	44.58	0.56	116	1.7	2.0	84	766	< 1	11	101	516	1.55	19	< 10	37	< 0.5	< 2	1.22
1430017023	None	-55.7	8.15	3.99	0.0669	59.64	0.52	168	0.9	< 0.5	50	363	< 1	33	< 2	36	1.28	17	< 10	16	< 0.5	< 2	0.12
1430017193	Slight	12.7	8.77	57.0	1.29	44.27	0.66	51	< 0.2	< 0.5	40	793	2	133	< 2	51	2.89	6	< 10	22	< 0.5	< 2	3.09
1316033125	Slight	-19.2	8.84	25.9	0.574	45.11	0.55	3420	7.9	3.9	140	735	< 1	15	344	963	2.15	49	< 10	33	< 0.5	< 2	1.44
1316044108	Slight	2.71	9.05	33.9	1.09	31.20	0.39	221	0.4	< 0.5	16	1290	< 1	24	31	152	1.80	18	< 10	39	< 0.5	< 2	1.74
1430017617	Slight	23.9	9.25	52.1	1.85	28.24	0.43	186	3.2	1.3	32	854	< 1	13	55	446	1.36	102	< 10	24	< 0.5	< 2	1.43
1430017141	Slight	-2.84	9.36	22.7	0.889	25.53	0.36	49	0.3	< 0.5	100	320	< 1	13	3	42	1.38	9	< 10	31	< 0.5	< 2	0.91
1316033026	Slight	4.47	8.76	49.4	1.10	44.93	0.55	553	1.0	3.0	31	858	< 1	13	24	833	1.20	89	< 10	26	< 0.5	< 2	2.03
F014062								344															
1316033001	Slight	-12.4	8.86	29.1	0.701	41.50	0.46	814	1.0	0.5	32	762	< 1	9	36	210	1.68	77	< 10	30	< 0.5	< 2	1.24
1430017644	Slight	48.2	9.42	82.6	2.40	34.41	0.76	447	2.5	1.5	32	1200	< 1	8	13	525	1.16	157	< 10	51	< 0.5	< 2	2.28
1316033018	Slight	-10.2	9.18	21.2	0.675	31.45	0.34	210	0.4	< 0.5	20	636	< 1	13	22	187	1.80	41	< 10	31	< 0.5	< 2	1.26
1430017346	Slight	88.8	9.19	92.4	26.0	3.55	0.40	26	0.2	< 0.5	118	864	< 1	168	< 2	54	3.05	8	< 10	< 10	< 0.5	< 2	3.36
1316033050	Slight	-17.4	8.96	24.0	0.580	41.32	0.42	896	0.7	1.1	34	807	< 1	12	30	355	2.70	57	< 10	42	< 0.5	< 2	1.61
1430017329	Slight	-47.4	8.88	8.23	0.148	55.65	0.49	532	5.9	3.2	188	352	1	19	309	822	1.10	81	< 10	31	< 0.5	< 2	0.55
1430017200	Slight	112	9.00	127	8.16	15.60	0.63	156	0.3	< 0.5	59	840	6	116	< 2	41	2.63	17	< 10	15	< 0.5	< 2	4.53
1430016025	Slight	55.5	9.27	72.1	4.33	16.64	0.47	32	0.2	< 0.5	99	828	< 1	154	< 2	56	2.90	8	< 10	< 10	< 0.5	< 2	2.80
1430017221	Slight	-4.29	9.21	40.6	0.904	44.89	0.42	206	1.1	0.5	40	430	< 1	16	20	159	1.32	32	< 10	34	< 0.5	< 2	1.60
1430017827	None	-55.9	8.58	4.49	0.0743	60.43	0.41	430	2.7	0.8	45	199	< 1	15	84	254	1.12	44	< 10	26	< 0.5	< 2	0.23

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
1430016038	Slight	19.1	9.56	48.3	1.65	29.24	0.44	24	< 0.2	< 0.5	41	307	2	11	< 2	19	1.01	3	< 10	36	< 0.5	< 2	1.96
1316037014	Slight	-61.1	9.10	26.7	0.304	87.70	0.98	364	10.9	1.4	136	1140	< 1	77	46	404	2.37	111	< 10	38	< 0.5	< 2	0.75
1430017209	Slight	-19.3	8.75	24.7	0.561	44.01	0.48	88	0.4	< 0.5	53	303	< 1	15	2	36	1.58	11	< 10	29	< 0.5	< 2	1.03
1430016194	Slight	-5.50	9.45	49.4	0.900	54.87	0.66	34	< 0.2	< 0.5	13	345	< 1	12	2	21	1.22	4	< 10	35	< 0.5	< 2	1.96
1430017156	Slight	53.1	8.72	77.8	3.16	24.63	0.72	29	0.4	< 0.5	214	614	5	38	10	53	1.20	1800	< 10	53	< 0.5	< 2	2.21
1430017226	Slight	1.86	9.26	46.2	1.04	44.34	0.56	253	< 0.2	< 0.5	54	841	2	126	< 2	53	2.82	6	< 10	< 10	< 0.5	< 2	2.94
1430017217	Slight	24.4	9.42	59.2	1.70	34.86	0.48	137	1.0	< 0.5	27	837	< 1	14	26	75	0.87	43	< 10	41	< 0.5	< 2	1.48
F014075								1840	1.1	< 0.5	50	712	1	9	20	150	0.81	71	< 10	31	< 0.5	< 2	1.63
1316029134	Slight	35.3	9.26	70.3	2.01	35.00	0.57	399	0.5	0.5	165	696	< 1	45	26	118	3.09	59	84	33	< 0.5	< 2	2.44
1430026105	Slight	22.6	8.81	119	1.24	96.12	1.72	177	1.4	< 0.5	21	1800	< 1	6	68	173	1.34	56	< 10	44	< 0.5	< 2	2.45
1316029137	Slight	-26.5	8.99	17.0	0.390	43.50	0.44	184	0.7	< 0.5	76	1600	< 1	51	< 2	125	3.18	7	< 10	17	< 0.5	< 2	3.61
1316040002	Slight	-1.27	9.21	40.4	0.969	41.69	0.69	402	0.4	1.2	20	614	< 1	8	37	567	1.41	44	< 10	51	< 0.5	< 2	0.94
1309003350	Slight	-18.1	8.85	14.2	0.439	32.37	0.38	72	1.5	10.3	65	1030	< 1	7	38	2350	1.24	94	< 10	19	< 0.5	< 2	1.56
1316040044	Slight	-17.5	9.10	26.7	0.603	44.17	0.73	364	0.3	< 0.5	153	312	5	8	3	52	2.07	4	< 10	42	< 0.5	< 2	0.97
1309003348	None	-21.3	8.89	11.2	0.346	32.52	0.49	299	1.2	11.7	69	779	< 1	10	27	2750	1.26	32	< 10	21	< 0.5	< 2	1.15
1309003338	Slight	-64.4	8.42	7.71	0.107	72.07	0.48	121	0.8	< 0.5	37	328	< 1	11	4	66	2.13	20	< 10	36	< 0.5	< 2	0.96
1316040036	Slight	-3.97	9.04	28.2	0.876	32.16	0.77	209	1.3	12.3	83	913	1	10	50	2960	1.67	33	< 10	22	< 0.5	< 2	1.32
1309003104	Slight	-77.0	8.70	11.2	0.127	88.24	1.21	208	1.2	15.6	99	568	< 1	11	10	3480	2.51	65	< 10	27	< 0.5	2	0.56
1316029043	Slight	-35.0	8.85	17.5	0.333	52.54	0.76	444	0.7	8.0	75	661	< 1	7	41	2110	1.16	33	< 10	51	< 0.5	< 2	0.77
1430026114	Slight	35.3	8.93	83.4	1.73	48.10	0.95	71	0.4	< 0.5	79	1020	< 1	31	< 2	77	2.43	10	< 10	30	< 0.5	< 2	3.38
1316029001	Slight	-12.2	9.10	21.4	0.637	33.61	0.42	245	< 0.2	< 0.5	28	899	< 1	11	24	217	2.31	25	< 10	57	< 0.5	< 2	1.26
1430026144	Slight	-48.5	8.70	14.5	0.230	63.02	0.56	207	0.7	0.5	41	395	< 1	9	5	190	2.21	23	< 10	30	< 0.5	< 2	1.07
1430026007	Slight	71.0	8.65	150	1.90	78.57	2.24	164	1.0	< 0.5	181	1740	< 1	26	< 2	181	2.46	17	< 10	19	< 0.5	< 2	4.60
1316029158	Slight	11.0	9.31	40.6	1.37	29.56	0.60	260	1.5	1.6	46	1180	< 1	7	145	454	2.07	37	< 10	39	< 0.5	< 2	1.84
1316040037	Slight	-38.2	9.12	16.4	0.301	54.68	1.13	989	2.7	18.6	94	755	< 1	6	36	4440	1.61	57	< 10	29	< 0.5	< 2	0.86
1430026097	Slight	28.4	8.74	102	1.39	73.68	1.23	70	0.4	< 0.5	52	1280	< 1	44	< 2	78	2.37	9	< 10	31	< 0.5	< 2	3.86
1430026104	Slight	-29.8	8.57	94.9	0.761	124.73	1.75	82	0.4	< 0.5	44	1610	< 1	51	< 2	118	2.83	6	< 10	17	< 0.5	< 2	3.61
1316029181	None	12.2	9.43	44.6	1.38	32.37	0.52	152	0.9	0.6	21	1190	< 1	6	79	189	1.63	38	< 10	38	< 0.5	< 2	1.82
1316029205	None	-18.8	9.03	19.9	0.515	38.74	0.62	171	1.1	1.7	35	1480	< 1	5	237	724	1.47	38	< 10	23	< 0.5	< 2	2.05
1316040025	Slight	-2.07	8.91	39.4	0.950	41.47	1.21	697	1.6	21.8	84	950	< 1	9	62	5080	1.43	49	< 10	28	< 0.5	< 2	1.73
1309003144	Slight	11.8	8.59	96.7	1.14	84.91	1.23	47	0.5	< 0.5	66	1160	< 1	40	< 2	73	3.07	9	< 10	21	< 0.5	< 2	3.49
1309003358	None	-50.8	8.64	10.7	0.174	61.49	0.62	896	0.6	< 0.5	372	215	< 1	10	< 2	26	1.97	11	< 10	42	< 0.5	5	0.90
F014076								> 5000	1.3	0.6	163	712	1	48	24	118	3.50	55	18	30	< 0.5	< 2	2.76
1430017258	Slight	91.9	8.91	135	3.15	42.82	1.02	210	1.4	< 0.5	97	1040	< 1	134	3	57	3.21	12	< 10	10	< 0.5	< 2	4.26
1430017339	Slight	23.7	8.75	72.2	1.49	48.45	0.73	244	1.2	< 0.5	122	588	< 1	49	16	138	1.56	18	< 10	24	< 0.5	< 2	2.25
1430016210	Slight	156	9.06	171	11.4	15.04	0.72	136	0.5	< 0.5	41	1110	< 1	156	< 2	51	3.50	9	< 10	< 10	< 0.5	< 2	5.44
1430017302	Slight	156	8.85	182	6.88	26.45	1.09	195	0.6	< 0.5	170	1150	1	183	< 2	55	3.63	10	< 10	< 10	< 0.5	< 2	5.20
1430016388	Slight	57.2	9.68	67.3	6.64	10.15	0.51	24	< 0.2	< 0.5	41	428	< 1	12	< 2	21	0.89	2	< 10	29	< 0.5	< 2	2.88
1430016292	Slight	50.1	9.65	64.7	4.45	14.55	0.44	25	< 0.2	< 0.5	21	436	1	9	3	23	0.79	4	< 10	29	< 0.5	< 2	2.47
1430016024	Slight	98.0	9.13	117	6.08	19.29	0.63	33	< 0.2	< 0.5	92	931	< 1	132	< 2	53	3.08	3	< 10	23	< 0.5	< 2	4.03
1430016055	Slight	9.82	9.55	35.9	1.38	26.03	0.31	38	0.2	< 0.5	22	378	3	12	3	58	1.44	35	< 10	30	< 0.5	< 2	1.57
1430020274	Slight	1.58	8.58	96.2	1.02	94.65	3.22	204	0.9	< 0.5	102	1640	< 1	53	5	156	3.19	23	< 10	29	< 0.5	< 2	3.34
1430016018	Slight	19.0	9.33	48.0	1.65	29.02	0.42	75	< 0.2	< 0.5	160	312	3	15	< 2	17	1.02	3	< 10	44	< 0.5	< 2	1.84
1430016302	Slight	38.8	9.49	51.5	4.05	12.70	0.34	39	< 0.2	< 0.5	9	351	< 1	14	< 2	36	1.07	3	< 10	23	< 0.5	< 2	2.09
1430016386	None	49.0	9.51	63.6	4.37	14.55	0.37	21	< 0.2	< 0.5	22	505	< 1	9	< 2	23	1.02	5	< 10	37	< 0.5	< 2	2.48
1430020290	Slight	-2.52	8.73	60.4	0.960	62.92	0.92	56	0.4	< 0.5	160	548	6	22	< 2	59	1.60	12	< 10	32	< 0.5	< 2	2.18
1430016096	Slight	35.2	9.61	50.9	3.25	15.67	0.30	58	< 0.2	< 0.5	13	415	< 1	9	< 2	25	1.21	3	< 10	41	< 0.5	< 2	2.12
1430020125	Slight	-75.5	8.71	76.0	0.502	151.55	3.95	54	0.3	< 0.5	89	1550	< 1	66	< 2	137	1.96	8	< 10	19	< 0.5	< 2	3.52
1430018004	None	-39.4	9.20	3.25	0.0761	42.65	0.38	59	0.5	0.7	58	1060	3	9	25	336	1.07	33	< 10	26	< 0.5	< 2	0.15

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
F014395																							
F014400								1830	0.4	0.6	160	676	< 1	44	25	115	3.02	57	82	33	< 0.5	< 2	2.42
1430018012	None	-44.7	8.95	3.74	0.0771	48.47	0.35	164	1.4	0.8	49	592	3	12	73	296	1.13	42	< 10	26	< 0.5	< 2	0.21
1430018149	None	-44.0	8.74	3.49	0.0735	47.52	0.55	247	3.9	4.4	261	375	4	8	83	1140	1.54	32	< 10	30	< 0.5	< 2	0.18
1430018079	Slight	-32.5	9.03	6.22	0.161	38.74	0.35	44	0.7	0.7	56	656	2	12	10	220	1.64	12	< 10	27	< 0.5	< 2	0.38
1430020192	Slight	-38.3	8.22	134	0.777	172.20	5.65	114	0.7	< 0.5	96	1470	< 1	56	< 2	110	1.94	24	< 10	19	< 0.5	< 2	4.09
1430020156	None	123	8.89	143	6.93	20.70	0.87	84	0.6	0.6	115	1480	< 1	196	< 2	190	4.57	9	< 10	15	< 0.5	< 2	4.07
1430031012	None	11.2	8.80	12.0	14.2	0.84	0.17	16	< 0.2	< 0.5	215	1390	1	36	< 2	75	2.00	< 2	< 10	36	< 0.5	< 2	0.56
1430018152	Slight	-13.8	9.20	14.7	0.515	28.54	0.38	88	0.7	< 0.5	34	930	< 1	13	30	195	1.33	21	< 10	29	< 0.5	< 2	0.56
1430020197	Slight	8.23	9.16	73.2	1.13	64.99	0.80	79	1.1	< 0.5	70	534	< 1	11	6	55	0.97	9	< 10	40	< 0.5	< 2	2.17
1430020217	None	61.8	9.05	87.6	3.40	25.75	0.58	276	2.1	< 0.5	55	862	< 1	31	< 2	105	1.77	13	< 10	48	< 0.5	< 2	2.75
1316037129	None	-82.0	8.83	7.24	0.0811	89.26	0.75	1630	3.1	2.1	193	895	< 1	22	45	566	2.11	125	< 10	21	< 0.5	< 2	0.17
1430031005	None	-2.87	9.26	54.7	0.950	57.61	0.59	60	2.2	< 0.5	27	782	1	7	16	98	0.49	123	< 10	25	< 0.5	< 2	1.95
1430018164	Slight	-47.1	8.35	1.50	0.0307	48.62	0.32	81	1.8	1.3	64	318	1	14	28	370	1.43	29	< 10	21	< 0.5	< 2	0.14
1430020146	Slight	108	8.88	125	7.50	16.60	0.80	102	0.4	0.6	130	1380	< 1	163	< 2	208	4.60	9	< 10	20	< 0.5	< 2	3.80
1430020215	Slight	99.1	9.07	113	7.98	14.20	0.63	37	0.4	< 0.5	77	1170	< 1	77	< 2	155	3.12	6	< 10	22	< 0.5	< 2	3.65
1430020148																							
1430020163	None	-7.34	9.14	68.8	0.904	76.09	1.09	27	0.2	< 0.5	17	558	< 1	17	< 2	52	1.52	9	< 10	34	< 0.5	< 2	2.39
1430031043	Slight	-12.6	9.40	53.3	0.809	65.89	0.57	209	9.5	0.5	50	1380	1	8	55	191	0.82	169	< 10	39	< 0.5	2	1.36
1430032095	None	32.4	8.53	66.0	1.97	33.58	0.61	32	0.3	< 0.5	187	993	3	177	< 2	76	3.40	11	< 10	< 10	< 0.5	< 2	2.52
1430018167	Slight	-31.4	9.13	10.2	0.246	41.58	0.48	83	0.6	< 0.5	34	721	< 1	11	26	164	1.95	43	< 10	38	< 0.5	< 2	0.36
1316031083	Slight	28.6	8.99	68.7	1.71	40.15	0.40	302	0.9	1.2	54	1320	< 1	13	143	346	0.81	49	< 10	20	< 0.5	< 2	2.54
1430031014	Slight	42.4	9.01	47.1	9.98	4.72	0.29	38	< 0.2	< 0.5	251	1160	3	47	< 2	54	2.53	4	< 10	17	< 0.5	< 2	1.78
1316031624	Slight	24.8	9.21	72.5	1.52	47.69	0.62	297	1.8	3.7	48	1630	< 1	12	574	967	1.12	16	< 10	36	< 0.5	< 2	2.68
F014399								336	< 0.2	< 0.5	164	730	< 1	49	4	73	3.72	11	20	16	< 0.5	< 2	2.79
F014394								339	< 0.2	< 0.5	160	728	< 1	48	5	72	3.63	15	20	15	< 0.5	< 2	2.73
1316031077	Slight	9.36	9.25	65.4	1.17	56.03	0.96	905	1.4	3.0	33	1140	< 1	9	94	617	1.33	29	< 10	45	< 0.5	< 2	2.31
1430032178	Slight	38.9	9.00	72.0	2.18	33.04	0.39	60	< 0.2	< 0.5	131	239	2	15	6	21	0.96	2	< 10	29	< 0.5	< 2	2.26
1316031028	Slight	20.7	9.01	70.4	1.42	49.68	0.48	469	1.5	1.4	28	1200	< 1	10	101	346	1.13	90	< 10	22	< 0.5	< 2	2.46
1430032062	Slight	47.5	9.31	62.0	4.27	14.50	0.24	13	< 0.2	< 0.5	10	291	< 1	19	< 2	33	1.07	2	< 10	45	< 0.5	< 2	2.15
1430032056	Slight	17.6	9.30	60.6	1.41	43.05	0.44	33	< 0.2	< 0.5	25	249	< 1	21	< 2	26	0.91	3	< 10	23	< 0.5	< 2	2.13
1430032021	Slight	-24.2	8.85	60.4	0.714	84.62	1.12	36	< 0.2	< 0.5	140	395	1	25	< 2	53	1.49	< 2	< 10	30	< 0.5	< 2	2.64
1430032085	Slight	26.7	9.23	57.5	1.87	30.73	0.55	48	< 0.2	< 0.5	90	409	< 1	19	< 2	30	0.91	< 2	< 10	35	< 0.5	< 2	2.35
1316031010	Slight	-6.03	8.99	42.4	0.876	48.46	0.52	837	2.5	2.4	106	808	2	12	43	616	1.21	43	< 10	32	< 0.5	3	1.66
1430031615	Slight	84.5	9.02	85.6	79.3	1.08	0.22	32	0.2	< 0.5	131	878	2	48	< 2	46	2.56	3	< 10	< 10	< 0.5	< 2	3.20
1430032608	Slight	-9.30	8.88	106	0.919	115.14	4.05	67	< 0.2	< 0.5	141	884	< 1	51	< 2	80	2.58	5	< 10	11	< 0.5	< 2	3.21
1430032123	Slight	37.1	9.29	61.7	2.51	24.57	0.30	28	< 0.2	< 0.5	40	297	< 1	23	< 2	33	1.04	2	< 10	36	< 0.5	< 2	2.19
1430018041	None	-19.9	8.85	23.4	0.541	43.30	0.54	134	1.3	1.4	75	1450	4	15	37	421	1.12	51	< 10	27	< 0.5	< 2	0.81
1430018006	None	-28.9	8.87	22.5	0.438	51.32	0.42	103	1.7	1.1	57	985	2	10	96	364	1.06	40	< 10	24	< 0.5	< 2	0.69
1430032662	Slight	25.3	9.35	66.7	1.61	41.41	0.42	37	0.3	< 0.5	112	267	1	12	11	73	0.77	2	< 10	30	< 0.5	< 2	1.89
1430020058	Slight	10.4	8.96	94.6	1.12	84.20	1.25	85	0.5	< 0.5	248	912	2	56	8	84	1.81	11	< 10	26	< 0.5	< 2	2.96
1430032171	Slight	23.0	9.41	42.7	2.17	19.66	0.29	55	< 0.2	< 0.5	93	182	2	12	< 2	21	0.98	< 2	< 10	28	< 0.5	< 2	1.76
1430032643	None	-24.2	8.78	25.5	0.513	49.63	0.66	63	0.2	< 0.5	103	885	< 1	144	< 2	57	2.83	8	< 10	10	< 0.5	< 2	0.96
1430032671	Slight	11.5	9.17	57.8	1.25	46.25	0.61	34	0.3	< 0.5	110	277	1	24	< 2	24	1.17	2	< 10	41	< 0.5	< 2	2.20
1430024016	Slight	14.9	8.80	88.9	1.20	74.02	1.24	312	0.8	2.1	215	1750	< 1	34	< 2	300	2.04	8	< 10	38	< 0.5	< 2	2.40
1430031637	Slight	151	9.11	151	967	< 0.31	0.32	48	0.2	< 0.5	183	1120	1	180	< 2	49	3.85	< 2	< 10	11	< 0.5	< 2	4.89
F014454								1060	0.3	< 0.5	159	749	< 1	55	17	102	3.70	41	21	25	< 0.5	< 2	2.83
F014464								1080	0.3	0.5	153	748	< 1	52	18	104	3.67	39	22	25	< 0.5	< 2	2.83
1430024085	Slight	-80.7	8.52	59.8	0.426	140.56	7.03	188	1.4	1.8	291	1550	< 1	51	4	335	2.13	16	< 10	25	< 0.5	< 2	3.37

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
1430032082	Slight	-24.4	9.08	46.1	0.654	70.47	0.92	59	0.3	< 0.5	132	218	1	14	< 2	17	0.73	6	< 10	27	< 0.5	< 2	1.70
1430032625	Slight	12.7	9.16	65.6	1.24	52.86	0.55	203	0.5	< 0.5	117	343	1	16	4	22	0.74	4	< 10	29	< 0.5	< 2	2.05
1429007119	Slight	-3.53	8.83	38.6	0.916	42.12	0.53	59	0.3	< 0.5	41	544	1	25	< 2	76	1.51	8	< 10	25	< 0.5	< 2	1.66
1430019197	None	-36.0	8.97	6.99	0.163	43.01	0.51	89	1.2	1.4	51	835	< 1	10	41	449	1.78	34	< 10	31	< 0.5	< 2	0.27
1429007158	Slight	9.68	9.42	43.9	1.28	34.25	0.66	43	0.3	< 0.5	139	270	4	11	< 2	27	1.18	< 2	< 10	41	< 0.5	< 2	1.67
1430024034	Slight	-36.8	8.40	85.4	0.699	122.18	2.87	187	0.8	1.6	71	1660	2	38	5	499	2.08	23	< 10	22	< 0.5	< 2	2.16
1430019216	None	-21.0	8.64	5.99	0.222	26.95	0.32	117	0.5	0.5	30	1520	< 1	9	26	223	1.64	26	< 10	32	< 0.5	< 2	0.19
1430024138	Slight	60.1	8.57	154	1.64	93.45	1.87	201	0.9	< 0.5	57	2150	< 1	67	< 2	223	3.46	21	< 10	26	< 0.5	< 2	3.16
1316031969	Slight	-15.0	9.19	26.7	0.640	41.76	0.46	344	1.1	1.8	37	646	< 1	15	56	435	2.64	26	< 10	41	< 0.5	< 2	1.94
1429007138	Slight	14.0	9.13	60.6	1.30	46.61	0.51	69	0.4	< 0.5	86	341	1	15	< 2	27	0.93	4	< 10	24	< 0.5	< 2	1.95
1316031912	Slight	-11.4	9.13	34.4	0.752	45.81	0.49	747	1.0	3.8	56	878	< 1	11	60	782	1.74	33	< 10	24	< 0.5	< 2	1.87
1429006048	Slight	-146	8.47	88.4	0.377	234.60	7.32	102	0.5	< 0.5	145	842	< 1	64	< 2	61	1.95	8	< 10	15	< 0.5	< 2	3.30
1316031905	Slight	-8.40	9.04	35.5	0.809	43.86	0.43	48	0.4	0.5	34	872	< 1	14	64	159	2.08	29	< 10	28	< 0.5	< 2	2.02
1429007104	Slight	-21.8	8.94	31.9	0.594	53.74	0.52	29	< 0.2	< 0.5	98	215	1	19	< 2	31	0.82	3	< 10	29	< 0.5	< 2	1.30
1316031073	Slight	1.82	9.11	49.3	1.04	47.48	0.58	126	0.9	3.0	56	1050	< 1	13	276	770	2.07	26	< 10	31	< 0.5	< 2	2.36
1429007185	Slight	32.5	9.51	52.2	2.65	19.69	0.29	17	< 0.2	< 0.5	57	279	< 1	12	< 2	23	1.14	4	< 10	37	< 0.5	< 2	2.04
1431043225	Slight	-38.9	8.53	33.0	0.459	71.85	0.64	286	1.5	0.9	31	674	1	17	3	294	2.82	5	< 10	39	< 0.5	< 2	1.93
1316031950	Slight	-61.6	8.82	29.0	0.320	90.57	1.25	687	7.1	4.7	188	699	< 1	16	35	1070	1.92	29	< 10	36	< 0.5	2	1.64
1430024060	Slight	8.63	9.06	59.9	1.17	51.31	1.03	167	0.8	< 0.5	36	1670	5	33	4	133	1.15	22	< 10	42	< 0.5	< 2	2.18
1431043221	Slight	-52.4	8.39	64.9	0.554	117.32	2.50	94	0.8	< 0.5	48	1380	1	55	< 2	125	3.87	3	< 10	21	< 0.5	< 2	3.53
1430019613	Slight	-32.4	7.97	19.0	0.369	51.41	0.57	68	1.1	0.5	39	929	< 1	13	21	189	1.32	56	< 10	29	< 0.5	< 2	0.78
1430024168	Slight	31.5	9.03	59.9	2.11	28.42	0.99	157	1.7	3.5	183	2160	< 1	42	< 2	912	2.54	12	< 10	60	< 0.5	< 2	2.43
1430024262	Slight	-55.5	8.76	14.2	0.204	69.73	1.02	79	0.2	< 0.5	95	1170	< 1	29	3	172	2.16	5	< 10	41	< 0.5	< 2	2.85
1430019931	Slight	-35.6	8.51	23.4	0.396	59.04	0.52	82	0.8	< 0.5	60	563	1	19	21	205	1.55	21	< 10	25	< 0.5	< 2	0.81
F014474								1040	0.3	< 0.5	157	743	< 1	52	18	104	3.70	39	22	25	< 0.5	< 2	2.83
F014458								1060	0.3	< 0.5	156	736	< 1	51	17	102	3.56	39	21	24	< 0.5	< 2	2.73
1430008070	None	16.5	9.26	67.9	1.32	51.39	0.62	93	1.3	3.1	18	1280	< 1	8	7	901	0.61	96	< 10	29	< 0.5	< 2	1.71
1430020149	Slight	38.9	9.25	61.3	2.73	22.44	0.52	134	0.4	< 0.5	41	736	< 1	26	5	113	1.81	23	< 10	73	< 0.5	< 2	2.17
1316028224	Slight	24.8	9.46	58.7	1.73	33.92	0.76	458	2.2	3.1	125	761	< 1	80	461	905	1.12	57	< 10	79	< 0.5	< 2	2.25
1318018029	Slight	6.33	9.38	33.6	1.23	27.32	0.34	86	0.5	< 0.5	24	464	< 1	16	4	96	1.19	18	< 10	40	< 0.5	< 2	1.36
GC22-5170-020	None	-36.0	8.69	11.2	0.237	47.25	0.34	653	0.4	< 0.5	161	194	< 1	3	2	20	2.30	8	< 10	48	< 0.5	< 2	1.14

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
1316044008	7	103	2.25	< 10	< 1	0.20	17	0.79	0.050	0.042	1.97	3	< 1	27	0.02	< 1	< 2	< 10	6	< 10	2	18	0.39
1316044040	9	187	2.03	< 10	< 1	0.20	16	0.38	0.023	0.042	1.98	2	< 1	16	< 0.01	< 1	< 2	< 10	5	< 10	2	20	0.26
1309003319	7	206	2.81	< 10	< 1	0.13	25	0.49	0.083	0.050	2.02	< 2	< 1	98	< 0.01	< 1	< 2	< 10	5	< 10	3	15	0.16
1316044062	8	167	2.08	< 10	< 1	0.18	14	0.43	0.019	0.041	1.98	2	< 1	21	< 0.01	< 1	< 2	< 10	4	< 10	2	15	0.51
1316033162	10	144	2.67	< 10	< 1	0.19	19	1.06	0.083	0.057	1.44	< 2	1	63	0.06	< 1	< 2	< 10	14	< 10	3	17	0.34
1316044095	12	287	2.29	< 10	< 1	0.26	17	0.84	0.065	0.043	1.75	2	< 1	39	0.03	< 1	< 2	< 10	11	< 10	2	23	0.32
1316044147	7	93	1.87	< 10	< 1	0.17	16	0.82	0.060	0.041	1.44	< 2	< 1	41	< 0.01	< 1	< 2	< 10	7	< 10	2	17	0.53
1316026115	7	6	1.92	< 10	< 1	0.28	< 10	0.43	0.015	0.041	1.85	< 2	< 1	22	< 0.01	< 1	< 2	< 10	3	< 10	2	11	0.80
1309003089	12	108	3.77	< 10	< 1	0.23	13	1.64	0.074	0.043	2.51	2	1	61	< 0.01	2	< 2	< 10	15	< 10	3	19	0.17
1316026027	12	204	1.51	< 10	< 1	0.19	11	0.11	0.014	0.044	1.45	3	< 1	24	< 0.01	< 1	< 2	< 10	3	< 10	2	8	0.40
1430017001	10	137	2.57	< 10	< 1	0.13	< 10	0.96	0.038	0.046	1.77	< 2	1	24	0.02	< 1	< 2	< 10	15	< 10	2	7	0.56
1316044612	27	208	5.65	< 10	1	0.46	< 10	1.32	0.059	0.058	2.65	2	5	81	0.24	< 1	< 2	< 10	85	< 10	5	7	0.93
1316026104	11	124	2.14	< 10	< 1	0.20	16	0.69	0.062	0.046	1.39	< 2	1	33	0.04	1	< 2	< 10	11	< 10	2	13	0.24
1316033155	7	9	2.02	< 10	< 1	0.18	13	1.16	0.110	0.037	0.81	< 2	< 1	70	0.05	< 1	< 2	< 10	11	< 10	3	15	0.27
1316026620	9	106	2.51	< 10	< 1	0.19	15	0.36	0.013	0.044	2.22	3	< 1	16	< 0.01	< 1	< 2	< 10	4	< 10	2	12	0.70
1316026611	8	126	1.90	< 10	< 1	0.24	10	0.55	0.015	0.046	1.78	3	< 1	31	< 0.01	< 1	< 2	< 10	3	< 10	2	10	0.70
1316044055	61	310	3.21	< 10	< 1	0.24	16	1.60	0.038	0.052	1.91	4	2	40	0.12	< 1	< 2	< 10	26	< 10	2	19	0.49
1309003313	5	128	2.13	< 10	< 1	0.11	< 10	0.57	0.128	0.034	1.11	< 2	< 1	92	< 0.01	< 1	< 2	< 10	5	< 10	2	8	0.24
1430017049	8	581	2.11	< 10	< 1	0.14	< 10	0.70	0.073	0.038	1.15	2	< 1	35	< 0.01	< 1	< 2	< 10	8	< 10	1	6	0.60
1309003108	24	210	4.05	< 10	< 1	0.86	60	2.78	0.070	0.196	0.13	2	12	220	0.25	< 1	< 2	< 10	93	< 10	7	5	1.02
F014061																							
1316044138	8	111	1.74	< 10	< 1	0.19	16	0.72	0.080	0.043	1.32	< 2	< 1	44	0.01	< 1	< 2	< 10	7	< 10	2	18	0.34
1430017625	8	150	2.23	< 10	< 1	0.15	< 10	0.87	0.032	0.040	1.89	5	< 1	21	< 0.01	< 1	< 2	< 10	3	< 10	1	5	1.17
1316037035	11	12	2.77	< 10	< 1	0.30	22	1.08	0.075	0.061	2.68	< 2	1	48	< 0.01	< 1	< 2	< 10	12	< 10	4	20	0.69
1430017601	8	194	1.83	< 10	< 1	0.12	< 10	0.62	0.049	0.044	0.91	< 2	< 1	19	< 0.01	< 1	< 2	< 10	7	< 10	1	8	0.22
1430017809	14	286	3.51	< 10	< 1	0.09	12	1.16	0.045	0.042	1.68	< 2	3	56	< 0.01	< 1	< 2	< 10	24	< 10	2	9	0.91
1316033060	14	26	2.79	< 10	< 1	0.25	23	1.38	0.072	0.072	1.04	< 2	2	92	0.07	< 1	< 2	< 10	25	< 10	3	15	0.32
1430017100	41	311	4.58	< 10	< 1	0.06	< 10	2.66	0.047	0.022	0.67	3	5	61	0.18	< 1	< 2	< 10	65	< 10	3	3	1.31
1316033104	10	126	2.54	< 10	< 1	0.16	20	1.07	0.110	0.058	1.26	< 2	< 1	95	0.04	< 1	< 2	< 10	13	< 10	3	15	0.21
1430017307	13	304	2.60	< 10	< 1	0.18	12	1.13	0.033	0.043	0.37	2	4	42	0.09	< 1	< 2	< 10	33	< 10	3	8	0.78
1430017009	9	8	2.09	< 10	< 1	0.15	< 10	0.87	0.076	0.048	1.79	3	< 1	46	< 0.01	< 1	< 2	< 10	9	< 10	1	8	0.51
1430017023	26	241	3.22	< 10	< 1	0.05	12	0.55	0.035	0.021	2.22	< 2	1	16	< 0.01	< 1	< 2	< 10	14	< 10	2	5	0.10
1430017193	38	391	5.90	< 10	2	0.13	< 10	2.96	0.026	0.026	1.38	2	5	32	0.21	< 1	< 2	< 10	99	< 10	3	2	1.08
1316033125	11	124	2.80	< 10	< 1	0.16	20	1.03	0.059	0.057	1.78	< 2	< 1	49	0.02	< 1	< 2	< 10	11	< 10	3	17	0.18
1316044108	9	172	1.87	< 10	< 1	0.26	16	1.20	0.056	0.043	1.19	< 2	1	51	0.07	< 1	< 2	< 10	12	< 10	2	19	0.43
1430017617	7	115	2.13	< 10	< 1	0.12	< 10	0.98	0.056	0.041	1.07	3	1	28	< 0.01	< 1	< 2	< 10	8	< 10	1	6	0.78
1430017141	9	19	2.58	< 10	< 1	0.11	15	0.94	0.060	0.054	0.95	< 2	2	28	0.02	2	< 2	< 10	23	< 10	3	7	0.28
1316033026	8	181	2.35	< 10	< 1	0.15	16	0.81	0.021	0.044	1.75	< 2	< 1	28	< 0.01	< 1	< 2	< 10	6	< 10	2	15	0.64
F014062																							
1316033001	10	6	2.50	< 10	< 1	0.18	18	0.83	0.030	0.056	1.57	< 2	< 1	29	< 0.01	< 1	< 2	< 10	8	< 10	2	16	0.37
1430017644	7	5	2.06	< 10	< 1	0.26	< 10	1.05	0.080	0.039	1.40	< 2	< 1	43	< 0.01	< 1	< 2	< 10	5	< 10	2	5	1.28
1316033018	7	195	2.03	< 10	< 1	0.20	16	0.85	0.043	0.042	1.18	< 2	< 1	55	0.03	< 1	< 2	< 10	9	< 10	2	15	0.31
1430017346	41	444	5.03	< 10	1	0.02	< 10	3.20	0.038	0.020	0.24	2	7	67	0.16	< 1	< 2	< 10	83	< 10	3	1	1.17
1316033050	12	77	2.78	< 10	< 1	0.16	22	1.00	0.081	0.059	1.53	< 2	< 1	62	0.02	< 1	< 2	< 10	12	< 10	3	13	0.21
1430017329	13	124	2.73	< 10	< 1	0.15	< 10	0.58	0.043	0.046	2.10	11	2	22	0.04	3	< 2	< 10	21	< 10	2	10	0.13
1430017200	29	349	4.58	< 10	< 1	0.07	< 10	2.52	0.023	0.029	0.65	3	12	56	0.02	< 1	< 2	< 10	77	< 10	3	4	1.96
1430016025	44	375	4.63	< 10	< 1	0.04	< 10	3.05	0.031	0.023	0.66	2	7	60	0.17	< 1	< 2	< 10	72	< 10	3	2	0.92
1430017221	10	109	2.31	< 10	< 1	0.10	14	0.94	0.055	0.051	1.73	< 2	< 1	53	0.01	< 1	< 2	< 10	11	< 10	2	7	0.54
1430017827	10	101	2.30	< 10	< 1	0.10	< 10	0.51	0.059	0.035	2.23	4	< 1	31	< 0.01	< 1	< 2	< 10	6	< 10	1	7	0.10
1430016038	11	13	2.18	< 10	< 1	0.10	11	0.67	0.044	0.042	1.16	< 2	< 1	39	< 0.01	< 1	< 2	< 10	9	< 10	2	6	0.57
1316037014	19	193	4.91	< 10	< 1	0.31	17	2.34	0.022	0.058	3.07	3	2	22	0.03	< 1	< 2	< 10	27	< 10	2	13	0.30

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
1430017209	12	98	2.52	< 10	< 1	0.10	18	0.87	0.058	0.038	1.72	< 2	1	31	< 0.01	2	< 2	< 10	13	< 10	3	8	0.32
1430016194	10	70	2.77	< 10	< 1	0.12	< 10	0.77	0.074	0.055	2.10	< 2	< 1	60	< 0.01	< 1	< 2	< 10	9	< 10	2	8	0.59
1430017156	45	49	5.41	< 10	< 1	0.31	< 10	0.38	0.082	0.045	1.15	6	3	47	0.09	< 1	< 2	14	45	< 10	4	5	0.99
1430017226	45	305	5.93	< 10	< 1	0.02	< 10	2.91	0.033	0.029	0.89	4	8	56	0.17	< 1	< 2	< 10	100	< 10	4	2	0.70
1430017217	12	88	1.94	< 10	< 1	0.16	12	0.67	0.062	0.051	1.74	< 2	< 1	63	< 0.01	< 1	< 2	< 10	6	< 10	2	9	0.90
F014075	7	114	1.89	< 10	< 1	0.13	< 10	0.86	0.047	0.048	1.30	< 2	< 1	39	< 0.01	< 1	< 2	< 10	4	< 10	1	5	
1316029134	30	31	6.04	10	< 1	0.12	< 10	1.62	0.233	0.043	0.39	4	6	30	0.48	3	< 2	< 10	149	21	11	15	0.97
1430026105	7	4	2.01	< 10	< 1	0.30	11	0.84	0.024	0.041	1.41	< 2	< 1	39	< 0.01	< 1	< 2	< 10	5	< 10	2	13	1.79
1316029137	29	82	7.18	< 10	2	0.09	< 10	2.52	0.056	0.056	3.05	5	7	49	< 0.01	< 1	< 2	< 10	89	< 10	5	5	0.22
1316040002	8	6	2.16	< 10	< 1	0.20	18	0.51	0.035	0.048	1.57	< 2	< 1	32	< 0.01	< 1	< 2	< 10	6	< 10	2	18	0.55
1309003350	8	5	2.44	< 10	< 1	0.23	11	0.93	0.014	0.042	1.65	3	< 1	23	< 0.01	< 1	< 2	< 10	7	< 10	2	16	0.22
1316040044	6	129	3.12	< 10	< 1	0.14	13	0.71	0.103	0.040	1.21	< 2	< 1	84	0.03	< 1	< 2	< 10	8	< 10	2	12	0.37
1309003348	7	112	2.23	< 10	< 1	0.23	17	0.91	0.016	0.044	1.65	2	< 1	24	0.03	< 1	< 2	< 10	7	< 10	2	21	0.17
1309003338	7	153	3.38	< 10	< 1	0.16	14	1.01	0.109	0.040	2.36	< 2	< 1	62	0.01	2	< 2	< 10	8	< 10	3	27	0.11
1316040036	7	151	2.28	< 10	< 1	0.25	16	1.29	0.016	0.040	1.35	< 2	< 1	33	0.03	< 1	< 2	< 10	9	< 10	2	24	0.37
1309003104	13	8	4.56	< 10	< 1	0.15	16	2.04	0.045	0.054	3.17	< 2	< 1	35	< 0.01	< 1	< 2	< 10	12	< 10	3	19	0.18
1316029043	8	5	2.28	< 10	< 1	0.25	16	0.48	0.026	0.042	2.02	3	< 1	21	< 0.01	< 1	< 2	< 10	5	< 10	2	18	0.35
1430026114	20	62	4.98	< 10	< 1	0.09	< 10	1.66	0.121	0.047	1.70	2	4	64	0.02	< 1	< 2	< 10	79	< 10	4	7	1.45
1316029001	12	6	2.55	< 10	< 1	0.19	27	0.85	0.047	0.058	1.15	2	1	40	0.05	2	< 2	< 10	16	< 10	4	20	0.24
1430026144	9	101	2.99	< 10	< 1	0.15	13	1.04	0.096	0.042	2.28	2	< 1	59	< 0.01	2	< 2	< 10	8	< 10	3	16	0.14
1430026007	35	3	9.69	< 10	< 1	0.06	< 10	2.53	0.052	0.045	2.66	4	17	79	0.02	< 1	< 2	< 10	250	< 10	6	4	3.27
1316029158	7	7	2.05	< 10	< 1	0.33	17	1.22	0.036	0.041	1.17	3	< 1	45	0.02	< 1	< 2	< 10	10	< 10	2	18	0.58
1316040037	7	5	2.76	< 10	< 1	0.33	15	1.03	0.019	0.038	2.16	< 2	< 1	28	0.03	< 1	< 2	< 10	8	< 10	2	24	0.23
1430026097	22	241	5.91	< 10	< 1	0.09	< 10	1.81	0.073	0.053	2.58	3	4	51	< 0.01	< 1	< 2	< 10	87	< 10	4	7	1.68
1430026104	28	236	7.18	< 10	< 1	0.09	11	2.43	0.045	0.061	4.05	3	6	58	< 0.01	< 1	< 2	< 10	68	< 10	5	6	1.71
1316029181	7	4	1.84	< 10	< 1	0.29	15	1.15	0.023	0.042	1.25	2	< 1	25	< 0.01	< 1	< 2	< 10	7	< 10	2	18	0.59
1316029205	7	6	2.15	< 10	< 1	0.20	15	1.12	0.023	0.040	1.52	3	< 1	28	< 0.01	< 1	< 2	< 10	7	< 10	2	21	0.65
1316040025	8	87	2.34	< 10	< 1	0.32	16	1.05	0.015	0.038	1.71	2	< 1	30	0.02	< 1	< 2	< 10	8	< 10	2	34	0.53
1309003144	24	78	6.05	< 10	< 1	0.07	< 10	1.85	0.147	0.052	2.81	2	5	63	0.02	< 1	< 2	< 10	88	< 10	5	8	1.32
1309003358	7	147	3.47	< 10	< 1	0.18	15	0.72	0.100	0.052	2.24	< 2	< 1	80	0.03	< 1	< 2	< 10	9	< 10	2	16	0.16
F014076	27	20	5.44	< 10	< 1	0.13	< 10	1.48	0.246	0.038	0.35	3	6	51	0.43	< 1	< 2	< 10	126	24	9	15	
1430017258	46	336	6.28	< 10	< 1	0.04	< 10	3.35	0.018	0.025	1.53	3	17	111	0.02	< 1	< 2	< 10	105	< 10	4	3	1.78
1430017339	19	162	3.66	< 10	< 1	0.08	< 10	1.42	0.035	0.035	1.75	3	4	56	0.01	< 1	< 2	< 10	34	< 10	2	6	1.05
1430016210	36	376	6.30	< 10	2	0.05	< 10	3.66	0.012	0.026	0.59	2	17	103	0.01	< 1	< 2	< 10	100	< 10	3	2	2.67
1430017302	39	467	7.72	< 10	1	0.01	< 10	3.92	0.014	0.018	0.93	3	20	169	0.02	< 1	< 2	< 10	134	< 10	5	2	2.02
1430016388	8	140	1.91	< 10	< 1	0.06	11	0.72	0.087	0.045	0.47	< 2	2	66	< 0.01	< 1	< 2	< 10	10	< 10	2	5	1.22
1430016292	7	81	1.74	< 10	< 1	0.08	< 10	0.91	0.063	0.042	0.51	< 2	< 1	51	< 0.01	< 1	< 2	< 10	6	< 10	2	3	1.21
1430016024	42	346	5.82	< 10	< 1	0.14	< 10	3.63	0.021	0.020	0.68	3	14	121	0.12	< 1	< 2	< 10	109	< 10	3	2	1.78
1430016055	8	91	2.17	< 10	< 1	0.12	14	0.80	0.077	0.042	0.89	< 2	< 1	36	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.51
1430020274	31	76	7.78	< 10	< 1	0.11	< 10	2.33	0.043	0.051	3.47	3	8	47	0.04	< 1	< 2	< 10	109	< 10	9	4	1.41
1430016018	13	148	2.06	< 10	< 1	0.15	11	0.64	0.056	0.042	1.08	< 2	< 1	53	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.70
1430016302	7	216	1.96	< 10	< 1	0.07	< 10	0.70	0.053	0.041	0.50	< 2	1	41	< 0.01	< 1	< 2	< 10	12	< 10	3	4	0.78
1430016386	5	91	1.91	< 10	< 1	0.09	12	0.81	0.087	0.047	0.58	< 2	1	51	< 0.01	< 1	< 2	< 10	8	< 10	2	5	1.12
1430020290	23	91	4.31	< 10	< 1	0.10	15	0.96	0.059	0.043	2.30	< 2	3	28	< 0.01	< 1	< 2	< 10	29	< 10	4	10	0.71
1430016096	9	91	2.10	< 10	< 1	0.12	14	0.75	0.053	0.043	0.67	< 2	< 1	43	< 0.01	< 1	< 2	< 10	9	< 10	2	4	0.73
1430020125	44	46	7.37	< 10	< 1	0.09	< 10	1.93	0.034	0.054	5.85	2	6	36	< 0.01	< 1	< 2	< 10	53	< 10	7	3	1.78
1430018004	10	67	2.25	< 10	< 1	0.12	< 10	0.54	0.028	0.017	1.47	< 2	< 1	18	< 0.01	< 1	< 2	< 10	5	< 10	< 1	6	0.15
F014395																							
F014400	28	30	5.83	10	< 1	0.12	< 10	1.58	0.225	0.042	0.38	3	6	30	0.49	< 1	< 2	< 10	148	19	11	14	
1430018012	10	105	2.13	< 10	< 1	0.13	< 10	0.45	0.032	0.030	1.70	< 2	< 1	23	< 0.01	< 1	< 2	< 10	5	< 10	< 1	6	0.10
1430018149	9	6	2.36	< 10	< 1	0.14	10	0.91	0.036	0.018	1.72	< 2	< 1	20	< 0.01	< 1	< 2	< 10	7	< 10	< 1	6	0.11

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
1430018079	9	118	2.29	< 10	< 1	0.11	11	0.95	0.042	0.032	1.36	< 2	< 1	27	0.02	< 1	< 2	< 10	14	< 10	1	6	0.15
1430020192	45	79	7.82	< 10	< 1	0.11	< 10	1.52	0.060	0.051	6.70	3	5	36	< 0.01	< 1	< 2	< 10	54	< 10	7	4	1.86
1430020156	51	129	8.61	10	< 1	0.05	< 10	4.05	0.015	0.034	0.67	4	10	57	0.06	< 1	< 2	< 10	127	< 10	7	2	1.95
1430031012	20	80	3.71	< 10	< 1	0.12	14	1.37	0.024	0.081	0.09	< 2	3	29	< 0.01	< 1	< 2	< 10	34	< 10	4	5	0.34
1430018152	10	98	2.18	< 10	< 1	0.13	12	0.84	0.052	0.047	1.06	< 2	1	27	0.02	< 1	< 2	< 10	15	< 10	2	6	0.28
1430020197	10	52	2.71	< 10	< 1	0.12	< 10	0.96	0.073	0.046	2.47	3	< 1	32	< 0.01	< 1	< 2	< 10	7	< 10	2	11	0.99
1430020217	18	22	4.27	< 10	< 1	0.11	16	1.37	0.048	0.053	0.91	< 2	3	47	0.04	< 1	< 2	< 10	51	< 10	5	11	1.23
1316037129	9	79	4.38	< 10	< 1	0.18	11	1.88	0.016	0.047	2.95	2	< 1	6	< 0.01	< 1	< 2	< 10	13	< 10	2	11	0.06
1430031005	7	105	2.44	< 10	< 1	0.14	< 10	0.98	0.037	0.049	2.07	< 2	< 1	29	< 0.01	< 1	< 2	< 10	3	< 10	2	7	1.18
1430018164	11	224	2.46	< 10	< 1	0.09	< 10	0.96	0.028	0.018	1.72	< 2	< 1	16	< 0.01	< 1	< 2	< 10	7	< 10	< 1	5	0.11
1430020146	48	138	8.86	10	2	0.10	< 10	3.83	0.024	0.036	0.57	3	9	41	0.08	< 1	< 2	< 10	133	< 10	5	2	1.80
1430020215	33	87	7.34	10	< 1	0.06	< 10	2.41	0.024	0.052	0.50	4	10	42	0.09	< 1	< 2	< 10	160	< 10	7	4	1.57
1430020148																							
1430020163	14	11	3.49	< 10	< 1	0.11	< 10	1.16	0.073	0.048	2.93	< 2	2	44	< 0.01	< 1	< 2	< 10	19	< 10	3	11	0.88
1430031043	8	3	2.38	< 10	< 1	0.25	< 10	0.80	0.042	0.041	2.41	11	< 1	25	< 0.01	2	< 2	< 10	4	< 10	1	7	0.76
1430032095	47	476	5.71	< 10	< 1	0.01	< 10	3.63	0.018	0.028	1.05	3	8	39	0.20	3	< 2	< 10	82	< 10	3	3	0.82
1430018167	11	7	2.57	< 10	< 1	0.16	16	1.29	0.058	0.072	1.45	< 2	< 1	34	< 0.01	< 1	< 2	< 10	12	< 10	2	7	0.21
1316031083	9	144	2.01	< 10	< 1	0.14	< 10	0.66	0.014	0.045	1.56	< 2	< 1	23	< 0.01	< 1	< 2	< 10	5	< 10	2	10	0.89
1430031014	35	124	6.80	< 10	2	0.06	< 10	2.36	0.024	0.049	0.21	3	10	43	0.20	< 1	< 2	< 10	140	< 10	7	4	0.61
1316031624	8	86	2.08	< 10	< 1	0.20	13	0.91	0.024	0.045	1.82	3	< 1	33	< 0.01	< 1	< 2	< 10	6	30	2	10	0.97
F014399	29	12	5.67	10	< 1	0.07	< 10	1.59	0.093	0.037	0.16	2	6	47	0.50	1	< 2	< 10	146	< 10	10	13	
F014394	28	12	5.58	< 10	< 1	0.07	< 10	1.58	0.090	0.036	0.16	2	5	44	0.49	< 1	< 2	< 10	141	< 10	10	13	
1316031077	8	8	2.50	< 10	< 1	0.31	13	0.87	0.030	0.042	2.15	< 2	< 1	41	< 0.01	< 1	< 2	< 10	7	< 10	2	12	0.86
1430032178	9	246	2.04	< 10	< 1	0.10	13	0.63	0.034	0.041	1.22	2	< 1	53	< 0.01	< 1	< 2	< 10	8	< 10	3	5	0.75
1316031028	9	122	2.39	< 10	< 1	0.14	15	0.94	0.019	0.055	1.81	3	< 1	26	< 0.01	< 1	< 2	< 10	6	< 10	2	10	0.87
1430032062	8	285	2.27	< 10	< 1	0.09	14	0.78	0.047	0.047	0.54	< 2	< 1	47	< 0.01	< 1	< 2	< 10	9	< 10	2	7	0.91
1430032056	8	206	2.48	< 10	< 1	0.06	16	0.79	0.051	0.051	1.64	< 2	2	43	< 0.01	< 1	< 2	< 10	15	< 10	3	8	0.84
1430032021	17	83	4.00	< 10	< 1	0.12	17	1.34	0.045	0.107	2.95	< 2	3	67	< 0.01	< 1	< 2	< 10	24	< 10	4	13	1.14
1430032085	11	132	2.29	< 10	< 1	0.14	< 10	0.88	0.054	0.045	1.13	< 2	1	58	< 0.01	< 1	< 2	< 10	9	< 10	2	8	1.14
1316031010	8	140	2.05	< 10	< 1	0.15	13	0.62	0.036	0.045	1.78	< 2	< 1	25	< 0.01	< 1	< 2	< 10	6	< 10	2	12	0.54
1430031615	35	136	7.24	< 10	< 1	< 0.01	< 10	2.35	0.019	0.042	0.09	4	11	62	0.26	< 1	< 2	< 10	153	< 10	8	4	1.06
1430032608	35	134	7.07	< 10	2	0.04	< 10	1.96	0.027	0.054	4.17	3	10	36	< 0.01	< 1	< 2	< 10	110	< 10	7	3	1.33
1430032123	8	308	2.29	< 10	< 1	0.09	13	0.68	0.037	0.047	0.82	< 2	< 1	51	< 0.01	2	< 2	< 10	10	< 10	2	7	0.88
1430018041	10	166	2.42	< 10	< 1	0.14	< 10	0.66	0.033	0.047	1.58	< 2	< 1	24	0.01	< 1	< 2	< 10	12	< 10	2	7	0.58
1430018006	8	80	2.10	< 10	< 1	0.14	< 10	0.61	0.031	0.042	1.85	2	< 1	16	< 0.01	< 1	< 2	< 10	5	< 10	1	6	0.35
1430032662	9	116	2.20	< 10	< 1	0.13	< 10	0.82	0.046	0.040	1.50	< 2	< 1	51	< 0.01	< 1	< 2	< 10	7	< 10	2	5	0.89
1430020058	23	152	4.56	< 10	< 1	0.10	10	1.44	0.055	0.044	2.87	3	4	48	< 0.01	< 1	< 2	< 10	38	< 10	4	7	1.54
1430032171	7	184	1.76	< 10	< 1	0.10	12	0.73	0.041	0.042	0.81	< 2	< 1	37	< 0.01	< 1	< 2	< 10	9	< 10	3	4	0.69
1430032643	39	447	5.40	< 10	< 1	0.05	< 10	3.10	0.022	0.036	1.58	3	7	33	0.16	< 1	< 2	< 10	69	< 10	3	4	0.32
1430032671	13	135	2.67	< 10	< 1	0.15	23	0.85	0.054	0.062	1.83	< 2	1	60	< 0.01	< 1	< 2	< 10	11	< 10	3	9	0.79
1430024016	27	23	7.24	< 10	< 1	0.15	< 10	1.71	0.043	0.070	2.69	3	6	34	< 0.01	< 1	< 2	< 10	69	< 10	5	7	1.41
1430031637	42	451	6.97	< 10	< 1	0.05	< 10	4.10	0.016	0.021	0.10	3	18	117	0.15	< 1	< 2	< 10	129	< 10	5	2	1.96
F014454	29	20	5.81	< 10	< 1	0.10	< 10	1.60	0.181	0.038	0.28	2	6	41	0.46	< 1	< 2	< 10	138	17	10	13	
F014464	29	19	5.73	< 10	< 1	0.10	< 10	1.58	0.177	0.037	0.28	< 2	6	40	0.47	3	< 2	< 10	137	17	10	13	
1430024085	34	121	7.82	< 10	< 1	0.12	< 10	1.97	0.054	0.061	6.14	4	6	58	< 0.01	< 1	< 2	< 10	54	< 10	6	7	1.77
1430032082	12	115	2.88	< 10	< 1	0.10	10	0.56	0.036	0.042	2.75	< 2	< 1	45	< 0.01	< 1	< 2	< 10	5	< 10	2	6	0.59
1430032625	12	238	2.48	< 10	< 1	0.13	13	0.75	0.048	0.043	1.98	< 2	< 1	52	< 0.01	< 1	< 2	< 10	6	< 10	2	6	0.87
1429007119	14	246	3.33	< 10	< 1	0.09	13	1.03	0.045	0.047	1.59	2	2	42	< 0.01	< 1	< 2	< 10	19	< 10	2	7	0.66
1430019197	11	72	2.60	< 10	< 1	0.13	18	1.26	0.048	0.061	1.61	< 2	< 1	20	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.10
1429007158	9	15	2.44	< 10	< 1	0.13	15	0.76	0.084	0.046	1.40	< 2	1	54	< 0.01	< 1	< 2	< 10	13	< 10	2	7	0.53
1430024034	28	91	7.81	< 10	< 1	0.09	< 10	1.73	0.034	0.062	4.64	3	6	30	< 0.01	< 1	< 2	< 10	55	< 10	3	6	1.34

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
1430019216	9	98	2.28	< 10	< 1	0.11	19	1.24	0.035	0.041	0.99	< 2	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	2	6	0.15
1430024138	32	121	8.54	< 10	< 1	0.08	< 10	2.89	0.023	0.061	3.13	4	10	60	0.02	< 1	< 2	< 10	131	< 10	5	6	1.54
1316031969	10	192	2.12	< 10	< 1	0.19	14	0.79	0.121	0.049	1.57	< 2	< 1	90	0.03	1	< 2	< 10	9	< 10	2	12	0.29
1429007138	10	216	2.49	< 10	< 1	0.12	10	0.85	0.048	0.046	1.77	< 2	< 1	52	< 0.01	< 1	< 2	< 10	6	< 10	3	7	0.86
1316031912	8	104	2.05	< 10	< 1	0.15	12	0.68	0.063	0.045	1.79	< 2	< 1	51	< 0.01	< 1	< 2	< 10	5	< 10	2	11	0.44
1429006048	48	36	9.18	< 10	< 1	0.08	< 10	1.73	0.064	0.053	8.76	5	6	49	< 0.01	3	< 2	< 10	65	< 10	9	4	1.65
1316031905	9	188	2.03	< 10	< 1	0.16	13	0.65	0.105	0.041	1.67	< 2	< 1	57	0.03	< 1	< 2	< 10	5	< 10	2	11	0.43
1429007104	10	288	2.51	< 10	< 1	0.11	14	0.56	0.050	0.046	2.01	< 2	< 1	35	< 0.01	3	< 2	< 10	8	< 10	2	6	0.48
1316031073	8	108	2.18	< 10	< 1	0.18	13	0.87	0.074	0.047	1.83	< 2	< 1	49	0.01	< 1	< 2	< 10	7	< 10	2	12	0.60
1429007185	8	161	1.82	< 10	< 1	0.14	11	0.65	0.047	0.046	0.74	< 2	< 1	40	< 0.01	< 1	< 2	< 10	8	< 10	3	5	0.64
1431043225	11	147	3.64	< 10	< 1	0.19	14	1.15	0.261	0.048	2.55	2	1	93	0.02	< 1	< 2	< 10	22	< 10	4	10	0.46
1316031950	13	109	3.35	< 10	< 1	0.20	18	0.69	0.075	0.056	3.36	< 2	< 1	47	0.04	< 1	< 2	< 10	5	< 10	3	20	0.35
1430024060	15	39	3.71	< 10	< 1	0.19	11	1.42	0.034	0.068	2.05	< 2	2	34	< 0.01	< 1	< 2	< 10	15	< 10	2	8	1.40
1431043221	34	200	8.15	10	< 1	0.27	< 10	2.35	0.314	0.048	3.97	3	9	97	0.09	< 1	< 2	< 10	153	< 10	6	5	1.51
1430019613	11	86	2.54	< 10	< 1	0.12	< 10	0.74	0.042	0.048	1.99	< 2	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	1	7	0.27
1430024168	17	46	5.30	< 10	< 1	0.23	< 10	2.00	0.030	0.047	1.16	< 2	4	30	0.01	< 1	< 2	< 10	39	< 10	5	8	1.34
1430024262	20	120	5.46	< 10	< 1	0.12	12	1.47	0.052	0.064	2.51	3	4	49	< 0.01	< 1	< 2	< 10	55	< 10	6	9	1.18
1430019931	13	98	2.97	< 10	< 1	0.08	13	1.24	0.034	0.025	2.00	< 2	1	24	< 0.01	< 1	< 2	< 10	17	< 10	3	7	0.27
F014474	28	20	5.73	10	< 1	0.10	< 10	1.58	0.177	0.037	0.28	3	6	40	0.46	1	< 2	< 10	137	16	10	12	
F014458	28	19	5.62	< 10	< 1	0.10	< 10	1.56	0.173	0.037	0.28	< 2	6	39	0.44	3	< 2	< 10	133	17	10	12	
1430008070	8	5	2.38	< 10	< 1	0.13	< 10	0.89	0.030	0.043	1.98	2	< 1	26	< 0.01	< 1	< 2	< 10	3	< 10	1	5	0.96
1430020149	15	76	3.84	< 10	< 1	0.22	17	1.27	0.046	0.052	0.83	< 2	3	46	0.04	< 1	< 2	< 10	41	< 10	4	12	0.76
1316028224	12	240	1.85	< 10	< 1	0.50	15	0.52	0.025	0.040	1.37	5	1	128	0.03	< 1	< 2	< 10	15	< 10	2	13	0.76
1318018029	8	227	2.43	< 10	< 1	0.16	14	0.76	0.042	0.043	1.04	< 2	< 1	29	0.04	< 1	< 2	< 10	13	< 10	3	8	0.29
GC22-5170-020	4	4	2.50	< 10	< 1	0.19	< 10	0.54	0.105	0.038	1.67	< 2	< 1	74	< 0.01	< 1	< 2	< 10	5	< 10	2	11	0.11

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1316044008	1.87	
1316044040	1.85	
1309003319	1.88	
1316044062	1.86	
1316033162	1.35	
1316044095	1.70	
1316044147	1.42	
1316026115	1.78	
1309003089	2.59	
1316026027	1.35	
1430017001	1.61	
1316044612	2.78	
1316026104	1.28	
1316033155	0.85	
1316026620	2.11	
1316026611	1.63	
1316044055	1.79	
1309003313	1.05	
1430017049	1.06	
1309003108	0.14	
F014061		
1316044138	1.21	
1430017625	1.74	
1316037035	2.36	
1430017601	0.85	
1430017809	1.71	
1316033060	1.04	
1430017100	0.76	
1316033104	1.22	
1430017307	0.34	
1430017009	1.61	
1430017023	2.08	
1430017193	1.67	
1316033125	1.63	
1316044108	1.13	
1430017617	1.05	
1430017141	0.94	
1316033026	1.62	
F014062		
1316033001	1.48	
1430017644	1.36	
1316033018	1.12	
1430017346	0.25	
1316033050	1.53	
1430017329	1.94	
1430017200	0.71	
1430016025	0.69	
1430017221	1.58	
1430017827	2.07	
1430016038	1.08	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1316037014	3.14	
1430017209	1.57	
1430016194	1.98	
1430017156	1.03	
1430017226	1.61	
1430017217	1.28	
F014075		
1316029134	1.31	
1430026105	3.65	
1316029137	1.54	
1316040002	1.56	
1309003350	1.15	
1316040044	1.66	
1309003348	1.20	
1309003338	2.47	
1316040036	1.32	
1309003104	3.23	
1316029043	1.93	
1430026114	1.86	
1316029001	1.22	
1430026144	2.20	
1430026007	3.26	
1316029158	1.15	
1316040037	2.13	
1430026097	2.81	
1430026104	4.58	
1316029181	1.17	
1316029205	1.45	
1316040025	1.73	
1309003144	3.13	
1309003358	2.17	
F014076		5.38
1430017258	1.71	
1430017339	1.79	
1430016210	0.73	
1430017302	1.21	
1430016388	0.49	
1430016292	0.48	
1430016024	0.83	
1430016055	0.94	
1430020274	4.10	
1430016018	1.07	
1430016302	0.52	
1430016386	0.59	
1430020290	2.32	
1430016096	0.60	
1430020125	6.17	
1430018004	1.49	
F014395		
F014400		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430018012	1.66	
1430018149	1.70	
1430018079	1.36	
1430020192	7.40	
1430020156	0.95	
1430031012	0.08	
1430018152	1.04	
1430020197	2.35	
1430020217	1.02	
1316037129	3.11	
1430031005	2.05	
1430018164	1.66	
1430020146	0.80	
1430020215	0.66	
1430020148		
1430020163	2.80	
1430031043	2.30	
1430032095	1.28	
1430018167	1.49	
1316031083	1.45	
1430031014	0.25	
1316031624	1.75	
F014399		
F014394		
1316031077	2.16	
1430032178	1.19	
1316031028	1.75	
1430032062	0.54	
1430032056	1.55	
1430032021	3.08	
1430032085	1.17	
1316031010	1.72	
1430031615	0.11	
1430032608	4.99	
1430032123	0.88	
1430018041	1.60	
1430018006	1.78	
1430032662	1.46	
1430020058	3.11	
1430032171	0.73	
1430032643	1.81	
1430032671	1.68	
1430024016	2.78	
1430031637	0.12	
F014454		
F014464		
1430024085	6.84	
1430032082	2.55	
1430032625	1.87	
1429007119	1.52	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430019197	1.55	
1429007158	1.32	
1430024034	4.87	
1430019216	0.97	
1430024138	3.62	
1316031969	1.49	
1429007138	1.66	
1316031912	1.63	
1429006048	9.95	
1316031905	1.55	
1429007104	1.89	
1316031073	1.71	
1429007185	0.73	
1431043225	2.51	
1316031950	3.17	
1430024060	1.98	
1431043221	4.59	
1430019613	1.84	
1430024168	1.17	
1430024262	2.54	
1430019931	1.85	
F014474		
F014458		
1430008070	1.85	
1430020149	0.89	
1316028224	1.34	
1318018029	0.94	
GC22-5170-020	1.63	

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
BaSO4 Meas							43.0																
BaSO4 Cert							41.94																
BaSO4 Meas							43.8																
BaSO4 Cert							41.94																
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																

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
BaSO4 Cert							41.94																
BaSO4 Meas							41.2																
BaSO4 Cert							41.94																
BaSO4 Meas							41.1																
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							30.8																
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							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																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							

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
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																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas							0.10																
SiO2 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 Cert																							
SiO2 Meas							0.05																
SiO2 Cert																							
SiO2 Meas							0.05																
SiO2 Cert																							
SiO2 Meas							< 0.05																
SiO2 Cert																							
SiO2 Meas							0.11																

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																							
SiO2 Meas							0.07																
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			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									0.7	< 0.5	2320	805	< 1	36	60	263	2.74	6		73	0.6	7	0.40
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
OREAS 922 (AQUA REGIA) Meas									0.7	< 0.5	2250	791	< 1	32	65	263	2.75	4		70	0.7	3	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									0.8	< 0.5	2210	792	< 1	33	63	262	2.78	4		70	0.7	4	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)									0.8	< 0.5	2260	751	< 1	35	61	258	2.88	6		71	0.8	12	0.35

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																							
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	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									2.2	< 0.5	4350	899	< 1	33	77	332	2.76	2		61	0.5	15	0.40
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	4250	891	< 1	31	86	341	2.79	5		59	0.6	15	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 923 (AQUA REGIA) Meas									1.6	< 0.5	4370	892	< 1	32	85	341	2.86	7		57	0.6	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 923 (AQUA REGIA) Meas									1.4	< 0.5	4380	845	< 1	32	82	332	2.88	5		57	0.7	20	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 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 96 (Aqua Regia) Meas									10.1		> 10000				86	401						12	
Oreas 96 (Aqua Regia) Cert									11.50		39100.00				100	448						27.9	
Oreas 96 (Aqua Regia) Meas									10.5		> 10000				89	409						13	
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											345	170	< 1	233	8	26	6.59			154	0.9	< 2	0.08
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	162	< 1	221	14	25	6.63			139	1.1	< 2	0.06

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 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											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								3040															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3080															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								2980															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3050															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3040															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3090															
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																							

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
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								505															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								507															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								498															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								518															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								527															
Oreas E1336 (Fire Assay) Cert								510															
Oreas E1336 (Fire Assay) Meas								492															
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 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																							
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GS317-5 Meas																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas									37.8	175	1960	465	8	16	> 5000	> 10000	1.27	47		24	0.5	< 2	1.44
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									39.6	173	1800	443	9	13	> 5000	> 10000	1.22	49		24	0.6	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
Oreas 620 (Aqua Regia) Meas									41.6	179	1900	461	9	13	> 5000	> 10000	1.27	50		25	0.7	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									42.1	170	1850	438	10	14	> 5000	> 10000	1.30	53		20	0.7	3	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
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
1316044040 Orig	None	-35.4		15.4	0.303	50.81																	
1316044040 Dup	None	-35.0		15.8	0.310	50.81																	
1316044062 Orig			8.86																				
1316044062 Dup			8.86																				
1316044095 Orig							0.50																
1316044095 Dup							0.51																
1316026027 Orig								85															
1316026027 Dup								99															
1430017001 Orig																							
1430017001 Dup																							
1316044612 Orig									1.3	1.1	100	967	< 1	79	26	355	2.15	15	< 10	35	< 0.5	< 2	2.65
1316044612 Dup									1.3	1.2	101	972	< 1	81	27	350	2.15	15	< 10	35	< 0.5	< 2	2.67

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
1316026620 Orig							0.66																
1316026620 Dup							0.67																
1309003108 Orig								13															
1309003108 Dup								11															
1316044138 Orig																							
1316044138 Dup																							
1430017809 Orig									1.1	< 0.5	105	494	< 1	38	2	51	1.40	10	< 10	29	< 0.5	< 2	2.21
1430017809 Dup									1.1	< 0.5	104	489	< 1	36	< 2	51	1.39	9	< 10	28	< 0.5	< 2	2.20
1316033104 Orig							0.36																
1316033104 Dup							0.40																
1430017009 Orig								116															
1430017009 Dup								121															
1430017193 Orig																							
1430017193 Dup																							
1316033026 Orig							0.55																
1316033026 Dup							0.54																
1316033018 Orig								210	0.4	< 0.5	20	636	< 1	13	22	187	1.80	41	< 10	31	< 0.5	< 2	1.26
1316033018 Dup								178	0.4	< 0.5	20	655	< 1	13	23	186	1.86	42	< 10	32	< 0.5	< 2	1.29
1316033050 Orig																							
1316033050 Dup																							
1430016038 Orig	Slight																						
1430016038 Dup	Slight																						
1430017209 Orig							0.48																
1430017209 Dup							0.47																
1430017156 Orig								29															
1430017156 Dup								30															
1430017226 Orig																							
1430017226 Dup																							
1430026105 Orig		22.6		119	1.24	96.12																	
1430026105 Dup		21.3		117	1.22	96.12																	
1309003350 Orig							0.38																
1309003350 Dup							0.34																
1309003338 Orig									0.8	< 0.5	37	328	< 1	11	4	66	2.13	20	< 10	36	< 0.5	< 2	0.96
1309003338 Dup									0.4	< 0.5	38	332	< 1	12	5	65	2.18	19	< 10	37	< 0.5	< 2	0.97
1316040036 Orig																							
1316040036 Dup																							
1309003104 Orig								208															
1309003104 Dup								233															
1430026097 Orig							1.23																
1430026097 Dup							1.47																
1316029181 Orig			9.43																				
1316029181 Dup			9.40																				
1316040025 Orig									1.6	21.8	84	950	< 1	9	62	5080	1.43	49	< 10	28	< 0.5	< 2	1.73
1316040025 Dup									1.5	21.1	79	914	< 1	9	63	4940	1.36	47	< 10	26	< 0.5	< 2	1.67
1309003144 Orig								47															
1309003144 Dup								43															
1430016210 Orig							0.72																
1430016210 Dup							0.74																
1430016292 Orig							0.44																

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
1430016292 Dup							0.40																
1430016055 Orig								38															
1430016055 Dup								35															
1430016018 Orig									< 0.2	< 0.5	160	312	3	15	< 2	17	1.02	3	< 10	44	< 0.5	< 2	1.84
1430016018 Dup									< 0.2	< 0.5	162	312	2	13	2	20	1.02	4	< 10	44	< 0.5	< 2	1.83
1430018004 Orig	None						0.38		0.5	0.7	58	1060	3	9	25	336	1.07	33	< 10	26	< 0.5	< 2	0.15
1430018004 Dup	None						0.37		0.5	0.7	59	1080	3	10	25	342	1.09	35	< 10	28	< 0.5	< 2	0.15
1430018012 Orig																							
1430018012 Dup																							
1430031012 Orig									< 0.2	< 0.5	215	1390	1	36	< 2	75	2.00	< 2	< 10	36	< 0.5	< 2	0.56
1430031012 Dup									< 0.2	< 0.5	218	1430	1	38	< 2	76	2.05	3	< 10	38	< 0.5	< 2	0.56
1430020217 Orig							0.58																
1430020217 Dup							0.58																
1430031005 Orig																							
1430031005 Dup																							
1430018164 Orig								81															
1430018164 Dup								83															
1430020215 Orig									0.4	< 0.5	77	1170	< 1	77	< 2	155	3.12	6	< 10	22	< 0.5	< 2	3.65
1430020215 Dup									0.3	< 0.5	76	1170	< 1	75	< 2	154	3.11	4	< 10	22	< 0.5	< 2	3.66
1316031077 Orig							0.96																
1316031077 Dup							0.89																
1430032178 Orig								60															
1430032178 Dup								57															
1430032056 Orig									< 0.2	< 0.5	25	249	< 1	21	< 2	26	0.91	3	< 10	23	< 0.5	< 2	2.13
1430032056 Dup									< 0.2	< 0.5	26	248	< 1	22	< 2	27	0.89	< 2	< 10	23	< 0.5	< 2	2.13
1430032608 Orig							4.05																
1430032608 Dup							3.69																
1430032123 Orig																							
1430032123 Dup																							
1430024016 Orig									0.8	2.1	215	1750	< 1	34	< 2	300	2.04	8	< 10	38	< 0.5	< 2	2.40
1430024016 Dup									0.9	2.2	217	1770	< 1	34	< 2	304	2.05	12	< 10	39	< 0.5	< 2	2.43
1430032082 Orig																							
1430032082 Dup																							
1430032625 Orig							0.55																
1430032625 Dup							0.53																
1429007119 Orig								59															
1429007119 Dup								60															
1430019197 Orig	None	-36.0		6.99	0.163	43.01																	
1430019197 Dup	None	-36.3		6.75	0.157	43.01																	
1430024138 Orig			8.57																				
1430024138 Dup			8.58																				
1316031969 Orig									1.1	1.8	37	646	< 1	15	56	435	2.64	26	< 10	41	< 0.5	< 2	1.94
1316031969 Dup									1.2	1.7	37	646	< 1	14	56	424	2.57	27	< 10	41	< 0.5	< 2	1.94
1316031912 Orig							0.51																
1316031912 Dup							0.48																
1316031912 Orig																							
1316031912 Dup																							
1316031905 Orig								48															
1316031905 Dup								41															

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
1431043221 Orig		-52.4		64.9	0.554	117.32																	
1431043221 Dup		-51.4		65.9	0.562	117.32																	
1430024168 Orig																							
1430024168 Dup																							
1430024262 Orig		-55.5		14.2	0.204	69.73			0.2	< 0.5	95	1170	< 1	29	3	172	2.16	5	< 10	41	< 0.5	< 2	2.85
1430024262 Dup		-55.5		14.2	0.204	69.73			0.2	< 0.5	92	1150	< 1	28	< 2	167	2.13	7	< 10	40	< 0.5	< 2	2.81
1430019931 Orig							0.52																
1430019931 Dup							0.52																
1318018029 Orig																							
1318018029 Dup																							
GC22-5170-020 Orig	None	-36.0	8.69	11.2	0.237	47.25																	
GC22-5170-020 Dup	None	-36.0	8.72	11.2	0.238	47.25																	
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									< 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								< 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																							
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

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																							
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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																							
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RTS-3a Cert																							
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																							1.09
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

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																							1.10
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
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
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
SiO2 Meas																							< 0.01
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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
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SiO2 Meas																							< 0.01
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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

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																							
SiO2 Cert																							
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	45	5.33	< 10		0.39	38	1.34	0.021	0.065	0.37	2	4	15			< 2	< 10	32	< 10	17	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	20	43	5.20	< 10		0.37	34	1.31	0.022	0.066	0.37	3	3	16			< 2	< 10	31	< 10	16	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 922 (AQUA REGIA) Meas	20	43	5.27	< 10		0.37	34	1.30	0.022	0.066	0.35	3	3	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 922 (AQUA REGIA) Meas	20	44	5.31	< 10		0.38	34	1.32	0.021	0.066	0.38	< 2	3	16			< 2	< 10	32	< 10	16	30	
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	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	

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	41	6.13	< 10		0.33	34	1.43		0.061	0.64	3	4	14			< 2	< 10	32	< 10	15	33	
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	6.03	< 10		0.31	31	1.38		0.063	0.64	3	3	15			< 2	< 10	32	< 10	14	24	
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	42	6.17	< 10		0.31	31	1.40		0.064	0.66	3	3	15			< 2	< 10	32	< 10	14	25	
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	6.08	< 10		0.31	31	1.40		0.062	0.68	3	3	15			< 2	< 10	32	< 10	14	33	
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	5.74	< 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 96 (Aqua Regia) Meas	47										3.54	6											
Oreas 96 (Aqua Regia) Cert	49.2										4.38	4.53											
Oreas 96 (Aqua Regia) Meas	47										3.68	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	357	14.1	20	< 1	0.09	12	0.17	0.038	0.021	0.02		33	14	0.13		< 2	< 10	203		6	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	347	13.9	20	< 1	0.08	< 10	0.16	0.034	0.020	0.02		28	14	0.15		< 2	< 10	202		5	22	
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	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																							

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) 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
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																							
GS316-3 Meas																							
GS316-3 Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (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																							
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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																							8.23
GS317-5 Cert																							8.46
GS317-5 Meas																							8.18
GS317-5 Cert																							8.46
GS317-5 Meas																							8.02
GS317-5 Cert																							8.46
GS317-5 Meas																							8.06
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

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																							
GS317-5 Cert																							
GS317-5 Meas																							
GS317-5 Cert																							
Oreas 620 (Aqua Regia) Meas	14	19	2.84	< 10	2	0.30	29	0.28	0.112	0.034	2.66	79		20			< 2	< 10	9	< 10	8	79	
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	2.70	< 10	2	0.28	25	0.27	0.109	0.034	2.58	65		19			< 2	< 10	8	< 10	7	51	
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	2.80	< 10	2	0.28	26	0.28	0.113	0.035	2.67	66		20			< 2	< 10	9	< 10	7	53	
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	2.82	< 10	2	0.28	26	0.28	0.119	0.033	2.67	68		20			< 2	< 10	9	< 10	7	57	
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	2.78	< 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	
1316044040 Orig																							
1316044040 Dup																							
1316044062 Orig																							
1316044062 Dup																							
1316044095 Orig																							
1316044095 Dup																							
1316026027 Orig																							
1316026027 Dup																							
1430017001 Orig																							0.56
1430017001 Dup																							0.55
1316044612 Orig	27	208	5.65	< 10	1	0.46	< 10	1.32	0.059	0.058	2.65	2	5	81	0.24	< 1	< 2	< 10	85	< 10	5	7	
1316044612 Dup	26	204	5.66	< 10	< 1	0.46	< 10	1.33	0.058	0.058	2.61	3	5	81	0.23	< 1	< 2	< 10	84	< 10	5	7	
1316026620 Orig																							
1316026620 Dup																							
1309003108 Orig																							
1309003108 Dup																							
1316044138 Orig																							0.34
1316044138 Dup																							0.33
1430017809 Orig	14	286	3.51	< 10	< 1	0.09	12	1.16	0.045	0.042	1.68	< 2	3	56	< 0.01	< 1	< 2	< 10	24	< 10	2	9	
1430017809 Dup	15	283	3.50	< 10	< 1	0.09	12	1.13	0.044	0.042	1.71	< 2	3	55	< 0.01	1	< 2	< 10	24	< 10	2	9	
1316033104 Orig																							
1316033104 Dup																							
1430017009 Orig																							
1430017009 Dup																							
1430017193 Orig																							1.08
1430017193 Dup																							1.07
1316033026 Orig																							
1316033026 Dup																							
1316033018 Orig	7	195	2.03	< 10	< 1	0.20	16	0.85	0.043	0.042	1.18	< 2	< 1	55	0.03	< 1	< 2	< 10	9	< 10	2	15	
1316033018 Dup	8	203	2.08	< 10	< 1	0.20	17	0.87	0.045	0.042	1.20	2	< 1	57	0.03	< 1	< 2	< 10	9	< 10	2	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
1316033050 Orig																							0.21
1316033050 Dup																							0.20
1430016038 Orig																							
1430016038 Dup																							
1430017209 Orig																							
1430017209 Dup																							
1430017156 Orig																							
1430017156 Dup																							
1430017226 Orig																							0.70
1430017226 Dup																							0.70
1430026105 Orig																							
1430026105 Dup																							
1309003350 Orig																							
1309003350 Dup																							
1309003338 Orig	7	153	3.38	< 10	< 1	0.16	14	1.01	0.109	0.040	2.36	< 2	< 1	62	0.01	2	< 2	< 10	8	< 10	3	27	
1309003338 Dup	8	155	3.50	< 10	< 1	0.16	15	1.03	0.112	0.042	2.48	3	< 1	64	0.01	< 1	< 2	< 10	8	< 10	3	27	
1316040036 Orig																							0.37
1316040036 Dup																							0.37
1309003104 Orig																							
1309003104 Dup																							
1430026097 Orig																							
1430026097 Dup																							
1316029181 Orig																							0.59
1316029181 Dup																							0.59
1316040025 Orig	8	87	2.34	< 10	< 1	0.32	16	1.05	0.015	0.038	1.71	2	< 1	30	0.02	< 1	< 2	< 10	8	< 10	2	34	
1316040025 Dup	8	84	2.27	< 10	< 1	0.31	16	1.01	0.014	0.036	1.67	2	< 1	28	0.02	< 1	< 2	< 10	8	< 10	2	31	
1309003144 Orig																							
1309003144 Dup																							
1430016210 Orig																							
1430016210 Dup																							
1430016292 Orig																							1.21
1430016292 Dup																							1.20
1430016055 Orig																							
1430016055 Dup																							
1430016018 Orig	13	148	2.06	< 10	< 1	0.15	11	0.64	0.056	0.042	1.08	< 2	< 1	53	< 0.01	< 1	< 2	< 10	8	< 10	2	6	
1430016018 Dup	12	146	2.05	< 10	< 1	0.15	12	0.65	0.056	0.041	1.07	< 2	< 1	53	< 0.01	< 1	< 2	< 10	8	< 10	2	6	
1430018004 Orig	10	67	2.25	< 10	< 1	0.12	< 10	0.54	0.028	0.017	1.47	< 2	< 1	18	< 0.01	< 1	< 2	< 10	5	< 10	< 1	6	
1430018004 Dup	10	69	2.26	< 10	< 1	0.12	< 10	0.55	0.029	0.017	1.48	< 2	< 1	19	< 0.01	< 1	< 2	< 10	5	< 10	< 1	6	
1430018012 Orig																							0.10
1430018012 Dup																							0.10
1430031012 Orig	20	80	3.71	< 10	< 1	0.12	14	1.37	0.024	0.081	0.09	< 2	3	29	< 0.01	< 1	< 2	< 10	34	< 10	4	5	
1430031012 Dup	21	81	3.84	< 10	< 1	0.12	14	1.41	0.026	0.080	0.09	< 2	3	30	< 0.01	< 1	< 2	< 10	35	< 10	4	5	
1430020217 Orig																							
1430020217 Dup																							
1430031005 Orig																							1.18
1430031005 Dup																							1.18
1430018164 Orig																							
1430018164 Dup																							
1430020215 Orig	33	87	7.34	10	< 1	0.06	< 10	2.41	0.024	0.052	0.50	4	10	42	0.09	< 1	< 2	< 10	160	< 10	7	4	
1430020215 Dup	33	90	7.34	10	< 1	0.06	< 10	2.40	0.024	0.052	0.51	3	10	42	0.09	< 1	< 2	< 10	159	< 10	7	4	
1316031077 Orig																							0.86

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
1316031077 Dup																							0.85
1430032178 Orig																							
1430032178 Dup																							
1430032056 Orig	8	206	2.48	< 10	< 1	0.06	16	0.79	0.051	0.051	1.64	< 2	2	43	< 0.01	< 1	< 2	< 10	15	< 10	3	8	
1430032056 Dup	8	208	2.41	< 10	< 1	0.06	15	0.77	0.050	0.051	1.59	< 2	2	43	< 0.01	< 1	< 2	< 10	14	< 10	3	8	
1430032608 Orig																							
1430032608 Dup																							
1430032123 Orig																							0.88
1430032123 Dup																							0.87
1430024016 Orig	27	23	7.24	< 10	< 1	0.15	< 10	1.71	0.043	0.070	2.69	3	6	34	< 0.01	< 1	< 2	< 10	69	< 10	5	7	
1430024016 Dup	29	23	7.26	< 10	< 1	0.15	< 10	1.73	0.044	0.070	2.68	2	6	35	< 0.01	< 1	< 2	< 10	70	< 10	5	7	
1430032082 Orig																							0.59
1430032082 Dup																							0.59
1430032625 Orig																							
1430032625 Dup																							
1429007119 Orig																							
1429007119 Dup																							
1430019197 Orig																							
1430019197 Dup																							
1430024138 Orig																							
1430024138 Dup																							
1316031969 Orig	10	192	2.12	< 10	< 1	0.19	14	0.79	0.121	0.049	1.57	< 2	< 1	90	0.03	1	< 2	< 10	9	< 10	2	12	
1316031969 Dup	10	189	2.08	< 10	< 1	0.19	14	0.79	0.121	0.048	1.54	< 2	< 1	87	0.03	< 1	< 2	< 10	9	< 10	2	12	
1316031912 Orig																							0.44
1316031912 Dup																							0.43
1316031912 Orig																							
1316031912 Dup																							
1316031905 Orig																							
1316031905 Dup																							
1431043221 Orig																							
1431043221 Dup																							
1430024168 Orig																							1.34
1430024168 Dup																							1.41
1430024262 Orig	20	120	5.46	< 10	< 1	0.12	12	1.47	0.052	0.064	2.51	3	4	49	< 0.01	< 1	< 2	< 10	55	< 10	6	9	1.18
1430024262 Dup	20	117	5.35	< 10	< 1	0.12	12	1.45	0.051	0.063	2.49	2	4	49	< 0.01	< 1	< 2	< 10	54	< 10	6	9	1.17
1430019931 Orig																							
1430019931 Dup																							
1318018029 Orig																							
1318018029 Dup																							
GC22-5170-020 Orig																							
GC22-5170-020 Dup																							
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	< 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																							
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																							
Method Blank	< 1	< 1	< 0.01	< 10	< 1	< 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	< 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	0.004	< 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	

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	14.0	
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	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		

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		
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		
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	0.56	
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	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
GS311-4 Meas	0.53	
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	0.54	
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	0.03	
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		

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		
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 922 (AQUA REGIA) Meas		
OREAS 922 (AQUA REGIA) Cert		
OREAS 922		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	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 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 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		

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		
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	0.32	
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	0.33	
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	

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	
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		
GS317-5 Meas	15.4	
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	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	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	

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	15.1	
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		
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		
1316044040 Orig		
1316044040 Dup		
1316044062 Orig		
1316044062 Dup		
1316044095 Orig		
1316044095 Dup		
1316026027 Orig		
1316026027 Dup		
1430017001 Orig	1.61	
1430017001 Dup	1.62	
1316044612 Orig		
1316044612 Dup		
1316026620 Orig		
1316026620 Dup		
1309003108 Orig		
1309003108 Dup		
1316044138 Orig	1.21	
1316044138 Dup	1.24	
1430017809 Orig		
1430017809 Dup		
1316033104 Orig		
1316033104 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430017009 Orig		
1430017009 Dup		
1430017193 Orig	1.67	
1430017193 Dup	1.60	
1316033026 Orig		
1316033026 Dup		
1316033018 Orig		
1316033018 Dup		
1316033050 Orig	1.53	
1316033050 Dup	1.39	
1430016038 Orig		
1430016038 Dup		
1430017209 Orig		
1430017209 Dup		
1430017156 Orig		
1430017156 Dup		
1430017226 Orig	1.61	
1430017226 Dup	1.61	
1430026105 Orig		
1430026105 Dup		
1309003350 Orig		
1309003350 Dup		
1309003338 Orig		
1309003338 Dup		
1316040036 Orig	1.32	
1316040036 Dup	1.25	
1309003104 Orig		
1309003104 Dup		
1430026097 Orig		
1430026097 Dup		
1316029181 Orig	1.17	
1316029181 Dup	1.21	
1316040025 Orig		
1316040025 Dup		
1309003144 Orig		
1309003144 Dup		
1430016210 Orig		
1430016210 Dup		
1430016292 Orig	0.48	
1430016292 Dup	0.49	
1430016055 Orig		
1430016055 Dup		
1430016018 Orig		
1430016018 Dup		
1430018004 Orig		
1430018004 Dup		
1430018012 Orig	1.66	
1430018012 Dup	1.67	
1430031012 Orig		
1430031012 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1430020217 Orig		
1430020217 Dup		
1430031005 Orig	2.05	
1430031005 Dup	2.03	
1430018164 Orig		
1430018164 Dup		
1430020215 Orig		
1430020215 Dup		
1316031077 Orig	2.16	
1316031077 Dup	2.07	
1430032178 Orig		
1430032178 Dup		
1430032056 Orig		
1430032056 Dup		
1430032608 Orig	4.99	
1430032608 Dup	4.96	
1430032123 Orig	0.88	
1430032123 Dup	0.89	
1430024016 Orig		
1430024016 Dup		
1430032082 Orig	2.55	
1430032082 Dup	2.58	
1430032625 Orig		
1430032625 Dup		
1429007119 Orig		
1429007119 Dup		
1430019197 Orig		
1430019197 Dup		
1430024138 Orig		
1430024138 Dup		
1316031969 Orig		
1316031969 Dup		
1316031912 Orig	1.60	
1316031912 Dup	1.66	
1316031912 Orig	1.63	
1316031912 Dup	1.70	
1316031905 Orig		
1316031905 Dup		
1431043221 Orig		
1431043221 Dup		
1430024168 Orig	1.17	
1430024168 Dup	1.29	
1430024262 Orig	2.54	
1430024262 Dup	2.60	
1430019931 Orig		
1430019931 Dup		
1318018029 Orig	0.94	
1318018029 Dup	1.03	
GC22-5170-020 Orig		
GC22-5170-020		

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