NEW GOLD RAINY RIVER MINE
APPENDIX A
GEOCHEMICAL MONITORING RESULTS

newgold Rainy River

Report

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E					

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newgold Rainy River	**GEOL-RPT-2019** **Geochemical Monitoring Report**
Owner: Environment/Geology	**Status:** Approved
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1.0 Purpose

To provide evidence that during 2019, New Gold Rainy River Mine (RRM) met all geochemical monitoring requirements stipulated in the "Construction and Operation Phases Geochemical Monitoring Plan" (Geochemical Monitoring Plan; AFW, 2016); and thus, is compliant with Environmental Compliance Approvals #5781-9VJQ2J Condition 10(10) and #5178-9TUPD9 Condition 8(12). The approach and methodology provided in the Geochemical Monitoring Plan is based upon requirements under the Ontario Mining Act with guidance found in the *Prediction Manual for Drainage Chemistry from Sulfidic Geologic Materials* (MEND, 2009).

2.0 Scope

This report provides information as per the Geochemical Monitoring Plan (referenced throughout this document as the Plan):

- Summary of current mine rock classification and segregation approach
- Description of database developed to manage data and information
- Geochemical classification of mine rock and overburden produced from the open pit in 2019
- 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
- Appendix that provide laboratory check assay certificates.

3.0 Mine Rock Classification and Segregation

3.1 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) defined by the relative content of sulfur and carbon. Based on ore-body knowledge, carbon is assumed to be entirely present as inorganic carbon. Total sulfur and total carbon contents are determined using a LECO Carbon-Sulfur analyzer with combustion analysis and infra-red detection as per method CSA06V. Acid potential and neutralization potential are calculated from the total carbon and sulfur using the following calculations (MEND 2009):

- Neutralization Potential (kg $CaCO_3$/t rock) = Total Carbon (wt.%) * 83.3
- Acid Potential (kg CaCO3/t rock) = Total Sulfur (wt.%) * 31.25

The neutralization potential ratio (NPR) is calculated as the quotient of neutralizing potential (NP) and acid generating potential (AP) such that NPR = NP/AP. If the NPR is greater than 2, the

material is classified as NPAG. If the NPR is less than 2, the material is classified as PAG (AFW, 2013).

A second level of characterization was developed for PAG rock produced from the open pit based on inferred time to acid onset. This system was originally designed to account for three levels of PAG and is identified in Table 1 of the Plan:

- PAG 1 inferred to have the potential to generate acidic conditions within five years of production or less
- PAG 2 inferred to have the potential to generate acidic conditions within five to 15 years of production, and
- PAG 3 inferred to remain circumneutral for at least 15 years.

These three PAG sub-classifications were based on neutralization potential with threshold values of available NP of <12.5 kg $CaCO_3$/t, 12.5 to 19 kg $CaCO_3$/t and > 19 kg $CaCO_3$/t, 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. To date, RRM has only implemented the PAG1/PAG2 designation. PAG1 material has always been deposited in the East Mine Rock Stockpile and used in construction of the upstream site of the TMA embankment. PAG2/3 rock has also been used in construction of the upstream side of the TMA embankment, and in the downstream shells of Cells 1 and 2, where it will be inundated by tailings. To date there is no difference in the way PAG 2 and PAG 3 materials are managed or deposited on site. This conservative approach with respect to mine rock and overburden management does not overestimate the lag period to potential onset of acidic conditions for PAG materials.

Spacing of mine rock blast holes follows section 5.4 of the Plan. On average, blast holes are spaced on a 7.0 x 7.5 m grid with a 10 m bench height. Cuttings from every primary blast hole are sampled and analyzed for total carbon and total sulfur to generate AP and NP values. These values guide classification of each mining block as PAG1, PAG 2/3, or NPAG determine material destination.

4.0 Data Management

All blast hole and audit geochemistry data are maintained in an onsite database as specified in Section 7.1 of the Plan. The Maxwell Datashed database is viewed through the Hexagon MinePlan software database platform. It includes (but is not limited to) sample identification, sample location, lithology, material disposition, and analytical results. Data and analytical results included in the 2019 monitoring report are based on a download from the database dated November 30, 2019. All statistics presented in this report are in reference to this data download. An updated report based on the complete 2019 database will provided at a later date.

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5.0 Geologic Materials Classification and Destination

5.1 Open Pit Material Classification

During 2019, RRM collected and analyzed 47,515 blast-hole samples of 4 different geologic lithologies from the open pit. Lithological and geochemical classifications of these materials are summarized in Table 1.

Table 1. Lithological and Geochemical Classifications for Samples from Open Pit.

Lithology	No. of samples	% of 2019 t Samples	Geochemical Classification	No. of samples	% of lithology
Mafic Volcanics	178	0.4	PAG 2/3	42	24
			NPAG	126	71
			HGO	2	1
			MGO	1	1
			LGO	7	4
Intermediate Volcanics	3,913	8.2	PAG 1	107	3
			PAG 2/3	475	12
			NPAG	3272	84
			LGO	12	0
			MGO	14	0
			HGO	33	1
Dacite Volcanics	41,882	88.1	PAG 1	7368	18
			PAG 2/3	21250	51
			NPAG	1554	4
			LGO	4272	10
			MGO	2981	7
			HGO	4457	11
Diabase	1,542	3.2	PAG 1	131	8
			PAG 2/3	176	11
			NPAG	1197	78
			LGO	13	1
			MGO	7	0
			HGO	18	1

Note: PAG (Potentially Acid Generating); NPAG (Not Potentially Acid Generating), LGO (Low-grade Ore), MGO (Medium-grade Ore), HGO (High-grade Ore).

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5.2 Materials Placement

During 2019, RRM produced PAG 1 mine rock, PAG 2/3 mine rock, NPAG mine rock, ore, overburden and basal till from the open pit. Disposal destinations of these materials is summarized in Table 2.

Table 2: Destination of Open Pit Geologic Materials

Material Description	Disposal/Storage Locations
Basal Till	EMRS
Overburden	EMRS/WMRS
PAG 1 mine rock	EMRS /TMA upstream embankment
PAG 2/3 mine rock	EMRS / TMA upstream embankment
NPAG mine rock	WMRS/TMA
Low-grade ore	Low Grade Ore Stockpile
Medium-grade ore	Mill/Medium Grade Ore Stockpile
High-grade ore	Mill / ROM Stockpile

6.0 Assessments

6.1 Quality Assurance/Quality Control Procedures

During 2019, two categories of quality assurance samples were submitted for analysis as stipulated the Plan:

- Laboratory duplicates were analyzed onsite to demonstrate acceptable method precision in total carbon and total sulfur analyses by combustion/IR (LECO)
- Sample splits were sent to an independent laboratory for ABA audit analysis to check that the onsite laboratory produces quality data, ensuring correct geochemical classification of the geological materials removed from the open pit.

The objective of the plan is for both laboratory duplicates and sample splits be submitted in a ratio of 1 in 20 (5%) of the blasthole samples. In 2019 carbon/sulfur duplicate samples and ABA audit samples were submitted for 6.3% and 3.3% of samples collected, respectively. The actual audit sample frequency should increase once the remaining 2019 ABA audit data is received.

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6.2 Laboratory Duplicates

During 2019; 2,637 duplicates were analyzed for total carbon and total sulfur. Figures 1 and 2 show the duplicate values plotted against original values with the 1:1 line for reference. Relative percent difference (RPD) was calculated for each duplicate pair using the following equation:

$$RPD = \frac{ABS\ (S-D)}{\frac{S+D}{2}} \times 100$$

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

6.3 Original and Duplicates: Carbon

Visual inspection of Figure 1 indicates that the match between total carbon analyses and duplicates is generally good with minor scatter and no systematic deviation. The RPD was calculated for 2,637 pairs of duplicate total carbon analyses. Of the pairs, 2,584 (approximately 98%) met the acceptable RPD range. This means they have RPDs below 20% and contain carbon at more than five times the detection limit of 0.005 wt.%, as defined in Table 2 of the Plan.

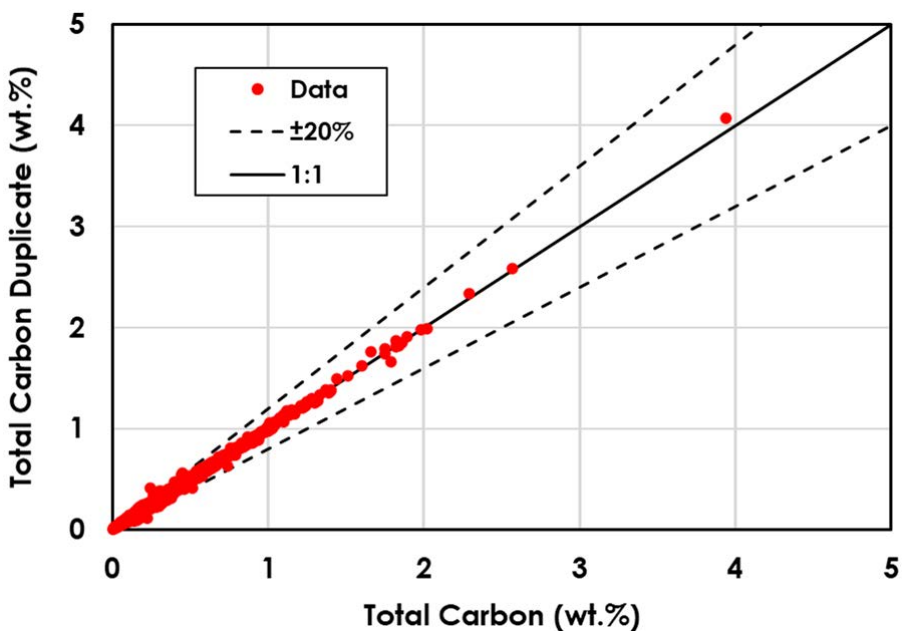


Figure 1: Comparison of original and duplicate carbon data from RRM onsite LECO facility.

6.4 Original and Duplicates: Sulfur

Visual inspection of Figure 2 indicates that the match between total sulfur analyses and duplicates is good with minor scatter and no systematic error. The RPD was calculated for 2,637 pairs of duplicate total sulfur analyses. Of the pairs, 2,617 (approximately 99%) met the acceptable RPD range. This means they have RPDs below 20% and contain sulfur at more than five times the detection limit of 0.005 wt. %.

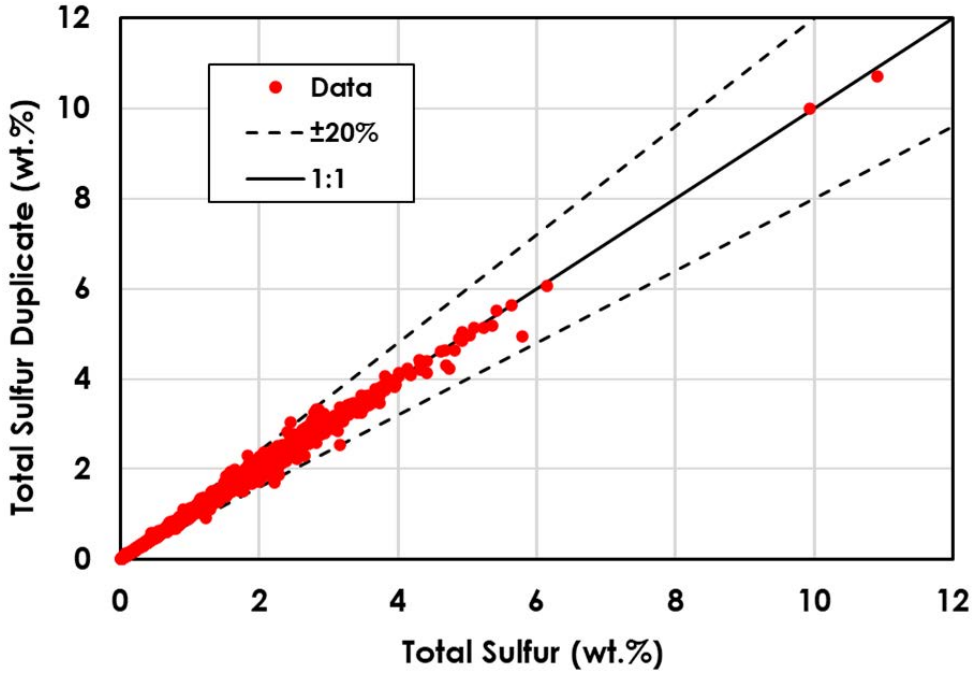


Figure 2: Comparison of original and duplicate sulfur data from RRM onsite LECO facility.

6.5 Acid-Base Accounting (ABA) Audit Results

During 2019, 1,364 samples were submitted for auditing by an independent analytical laboratory. Samples were sent to Activation Laboratories (ActLabs) in Ancaster, Ontario, Canada.

6.6 On-site Leco NPR Determination vs. Independent Laboratories

Descriptive statistics for Sobek and LECO NPR values are provided in Table 3. Data are plotted in Figure 3 and box-and-whisker plots are shown in Figure 4. The median NPR values determined by modified Sobek (independent laboratory) and LECO (on-site laboratory) are in close agreement (0.4 and 0.5, respectively).

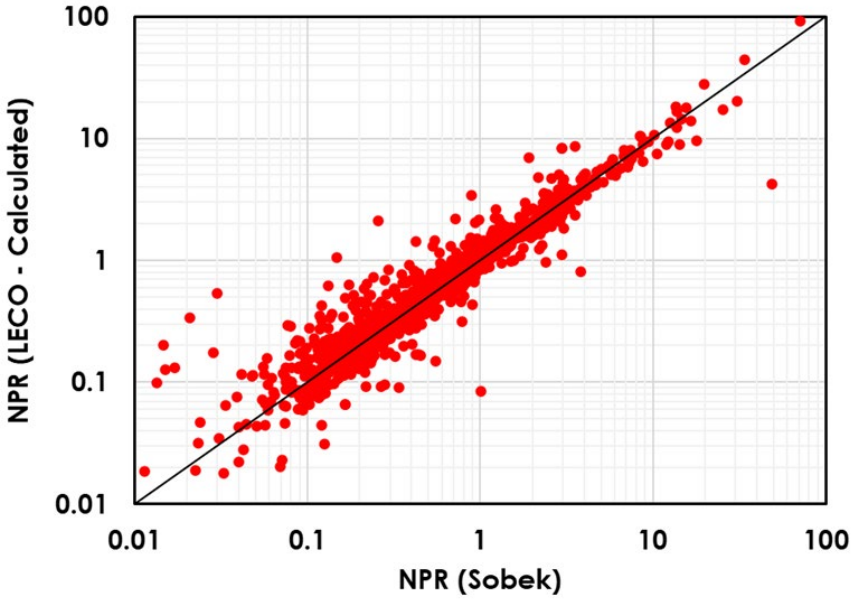
According to Okane (2020), the match between on-site LECO NPR values and modified Sobek NPR duplicates is generally good with some scatter but no clear systematic error (Figure 3).

Some scatter may occur due to the contribution of NP from faster-acting silicates in the Sobek NPR whereas the NPR calculated from LECO carbon analyses accounts for only carbonate neutralization potential, causing underestimation of the NPR using the LECO analysis. Conversely, contribution from iron carbonates may cause overestimation of LECO NPR compared to the modified Sobek NPR which accounts for the presence of iron carbonate (and their consumption of NP).

Table 3. Descriptive Statistics for Sobek and LECO NPR Values

Descriptive Statistics	Sobek NPR	LECO NPR
Sample Size	1,364	1,364
Minimum	0.00	0.00
Maximum	71	179
Median	0.4	0.5
Average	1.1	1.3
90th Percentile	2.3	2.3
10th Percentile	0.1	0.1

Figure 3: Scatter plot showing comparison of NPR calculated from onsite LECO carbon and sulfur and NPR from independent Sobek analyses (ActLabs).



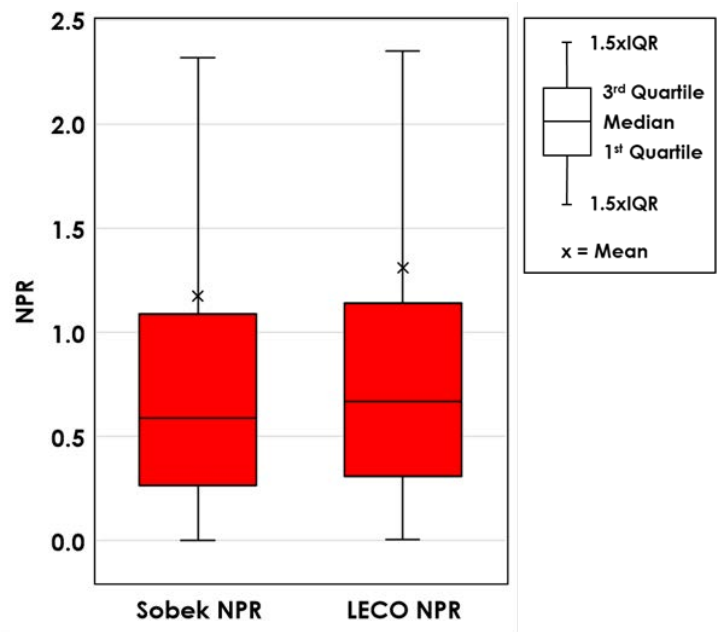


Figure 4: Box-and-whisker plots showing comparison of NPR calculated from onsite LECO carbon and sulfur and NPR from Sobek analyses. IQR = Inter-quartile range.

6.7 Additional Studies

During 2019 several geochemical focused studies took place. All were based on recommendations from the internal technical review board. One of the most important was a comparative study of carbon analysis methods and mineralogical determinations. Presently the neutralization potential (NP) is calculated using total carbon as per MEMD (2009). This method includes non-carbonate forms of carbon and iron carbonate. Okane (2019) performed the study and noted that not all carbonate minerals neutralize acid equally.

Any corrections recommended by Okane will be implemented in 2020 and guided by the internal technical review board recommendations.

7.0 Conclusions

During 2019, duplicates and audit samples were submitted for 6.3% and 3.3% of blast hole samples collected. These values will increase when the remaining 2019 data is available. Carbon and sulfur duplicate data indicate good precision with 98% and 99% for onsite LECO analyses. ABA audit data show that the RRM onsite laboratory data compares favorably with independent laboratory data.

Geochemical focused studies will continue into 2020 under the guidance and recommendations of the internal technical review board.

8.0 References

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.

Okane. 2019. Rainy River Mine - Carbonate Speciation Study. Technical Memorandum, prepared by Jared Robertson – Okane Consultants Ltd., October 2019.

Okane. 2020. Rainy River Mine 2019 Annual Geochemical Monitoring Report. Technical Memorandum, prepared by Jared Robertson – Okane Consultants Ltd., March 2020.

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

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APPENDIX A

2019 LABORATORY RESULTS

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-11733**
Report Date:	**31-Oct-19**
Date Submitted:	**05-Sep-19**
Your Reference:	**2019 Q1 and Q2 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

449 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-10-16 22:05:49
4F-C, S	Infrared	2019-10-01 21:08:49

REPORT **A19-11733**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Report No.:	**A19-11733**
Report Date:	**31-Oct-19**
Date Submitted:	**05-Sep-19**
Your Reference:	**2019 Q1 and Q2 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

449 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-(ppm)Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-09-25 17:38:20
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-10-03 13:15:09

REPORT **A19-11733**

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Notes:

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

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CERTIFIED BY:

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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1119001301	34.1	0.498	-33.6	33.4	0.0149	9.24	0.4	< 0.5	37	330	1	15	8	139	2.37	51	< 10	33	< 0.5	< 2	0.49	11	144
1119001110	10.2	45.1	34.9	14.7	3.07	8.34	0.8	< 0.5	53	795	1	20	6	242	2.68	11	< 10	75	< 0.5	< 2	2.68	9	147
1230028091	53.2	14.0	-39.2	59.4	0.235	8.55	1.3	2.9	259	509	< 1	14	2	903	2.02	16	< 10	28	< 0.5	10	0.98	7	180
1230028037	58.8	15.5	-43.4	64.6	0.240	8.52	0.9	1.7	137	474	< 1	14	4	561	1.97	25	< 10	28	< 0.5	4	1.18	8	202
1230028189	56.8	13.1	-43.7	62.8	0.209	8.67	1.1	4.1	68	877	< 1	13	5	1290	2.65	25	< 10	23	< 0.5	2	0.96	9	75
1230028129	68.9	9.33	-59.6	76.6	0.122	8.43	1.5	4.0	171	632	< 1	19	4	1320	2.08	17	< 10	20	< 0.5	6	0.63	10	186
1119001217	22.3	38.3	16.0	26.0	1.47	9.00	0.5	< 0.5	30	718	< 1	17	11	101	2.41	26	< 10	47	< 0.5	< 2	2.21	7	192
1229006094	70.8	6.49	-64.3	76.3	0.0851	8.27	0.5	< 0.5	183	306	2	16	3	38	1.61	5	< 10	18	< 0.5	6	0.51	7	283
1119002151	36.9	24.0	-12.9	42.3	0.567	8.78	1.0	6.2	42	861	< 1	10	106	1850	1.63	42	< 10	26	< 0.5	< 2	1.10	6	134
1229006003	49.6	38.5	-11.1	56.7	0.679	8.73	0.6	0.6	32	661	< 1	14	14	191	1.71	10	< 10	24	< 0.5	< 2	1.85	9	162
1230028138	61.8	11.7	-50.0	66.5	0.177	8.70	0.8	< 0.5	63	515	< 1	11	3	225	1.77	16	< 10	28	< 0.5	5	0.74	7	109
1230028271	68.3	15.0	-53.3	75.9	0.197	8.43	1.8	4.8	98	811	< 1	17	5	1540	2.84	25	< 10	25	< 0.5	2	1.30	9	107
1119001009	13.4	46.3	32.9	17.1	2.70	9.09	0.8	< 0.5	60	649	1	29	5	128	1.79	8	< 10	57	< 0.5	< 2	2.18	11	146
1230028275	48.5	15.0	-33.6	53.0	0.282	8.76	0.8	1.0	29	572	< 1	14	2	371	2.33	12	< 10	24	< 0.5	< 2	1.23	7	105
1230028240	41.3	13.4	-28.0	44.4	0.301	8.64	0.4	1.5	28	758	< 1	12	5	494	2.51	17	< 10	32	< 0.5	3	0.91	6	89
1119001195	32.9	20.7	-12.2	36.8	0.564	9.04	0.5	1.0	36	573	< 1	14	17	311	3.02	27	< 10	40	< 0.5	< 2	1.82	9	108
1230028219	45.0	9.12	-35.9	51.1	0.178	8.52	0.7	6.8	68	764	< 1	13	2	2040	2.47	12	11	33	< 0.5	3	0.72	8	78
1119001001	0.201	35.4	35.2	4.90	7.22	9.48	< 0.2	< 0.5	20	381	< 1	20	3	55	1.37	4	< 10	53	< 0.5	< 2	1.64	6	291
v843151							2.3	< 0.5	59	401	11	16	7	58	1.63	2	< 10	82	< 0.5	< 2	1.21	16	12
1119008050	30.8	68.5	37.7	35.8	1.91	8.74	0.9	3.2	37	1370	< 1	9	65	1030	1.49	65	< 10	31	< 0.5	< 2	2.68	6	149
1119002001	25.4	34.5	9.05	28.8	1.20	8.89	0.6	< 0.5	33	663	< 1	41	19	144	2.76	18	< 10	53	< 0.5	< 2	2.37	13	181
1119002031	27.9	16.9	-11.0	31.2	0.542	8.78	1.0	< 0.5	33	775	< 1	14	20	164	3.56	38	< 10	49	< 0.5	< 2	2.07	10	151
1229006006	42.0	41.2	-0.762	46.9	0.879	9.04	1.5	1.4	41	1020	< 1	16	24	419	2.15	28	< 10	35	< 0.5	< 2	1.94	8	170
1119008045	59.8	27.4	-32.4	68.9	0.397	8.52	2.2	10.3	85	786	< 1	12	70	3430	1.20	76	< 10	22	< 0.5	< 2	1.21	6	147
1229006112	36.9	41.5	4.63	41.7	0.996	8.84	0.8	0.5	34	1010	1	24	30	183	1.72	55	< 10	32	< 0.5	< 2	1.82	8	218
1229006007	50.1	54.2	4.14	56.7	0.957	8.38	1.5	0.5	28	964	< 1	13	17	154	1.78	36	< 10	30	< 0.5	< 2	2.22	8	132
1119008070	26.1	21.3	-4.83	29.1	0.732	8.89	0.5	1.3	28	798	< 1	13	48	390	2.10	38	< 10	29	< 0.5	< 2	1.48	6	146
1119003061	41.4	45.1	3.64	46.2	0.975	8.66	0.6	0.6	34	835	< 1	16	49	222	2.16	53	< 10	39	< 0.5	< 2	2.24	9	125
1229006076	27.2	37.6	10.4	30.3	1.24	9.08	0.4	< 0.5	30	893	1	13	20	124	2.07	23	< 10	39	< 0.5	< 2	1.74	8	166
1229006130	83.3	9.25	-74.1	91.0	0.102	8.51	0.9	2.4	84	304	1	12	5	662	1.44	19	< 10	13	< 0.5	8	0.71	8	191
1119002048	42.1	9.21	-32.9	46.5	0.198	8.45	0.6	2.6	29	888	< 1	14	28	1050	2.35	54	< 10	30	< 0.5	< 2	1.01	8	118
1119001131	8.01	67.2	59.2	12.3	5.49	9.36	0.3	< 0.5	21	521	< 1	21	5	60	1.83	9	< 10	48	< 0.5	< 2	2.81	6	194
1119002057	32.6	41.3	8.68	36.8	1.12	8.94	0.8	0.9	32	1050	1	15	40	342	2.76	38	< 10	41	0.6	< 2	2.40	10	126
1119002083	43.8	36.2	-7.65	49.3	0.734	8.72	0.9	4.5	39	884	< 1	14	102	1390	1.89	40	< 10	31	< 0.5	3	1.56	7	143
1119002064	32.0	49.0	17.0	35.8	1.37	8.94	0.4	< 0.5	22	828	< 1	13	47	169	2.05	56	< 10	40	< 0.5	< 2	2.29	7	104
1119002093	40.4	30.5	-9.92	46.2	0.659	8.78	2.2	5.2	89	920	< 1	12	243	1610	2.19	47	< 10	33	< 0.5	< 2	1.55	7	100
1119002110	52.3	52.1	-0.178	60.6	0.859	8.87	2.4	9.9	117	1190	1	12	350	2770	1.64	50	< 10	30	< 0.5	< 2	2.06	6	136
1229006054	62.1	40.3	-21.8	69.8	0.577	8.95	2.3	2.3	118	834	2	22	5	657	1.95	22	< 10	26	< 0.5	< 2	1.76	8	194
1334001075	0.000	103	103	6.13	16.8	8.74	< 0.2	< 0.5	195	774	< 1	49	< 2	93	2.87	18	< 10	36	< 0.5	< 2	4.25	28	92
v843152							4.1	< 0.5	22	140	6	5	< 2	25	0.60	< 2	< 10	23	< 0.5	4	0.57	5	8
1119002204	67.3	51.5	-15.8	78.4	0.657	8.70	3.2	10.1	77	1570	< 1	17	126	2870	1.21	89	< 10	23	< 0.5	2	1.85	7	201
1229006103	71.4	20.4	-51.1	79.0	0.258	8.77	1.3	5.0	107	672	< 1	16	9	1370	1.75	24	< 10	19	< 0.5	6	1.08	8	177
1119003003	32.0	46.7	14.7	35.2	1.32	9.08	0.4	< 0.5	16	595	< 1	13	9	105	2.09	33	< 10	43	< 0.5	< 2	2.27	6	119
1119004055	44.9	6.48	-38.4	49.3	0.131	8.82	0.5	1.0	43	883	< 1	14	90	322	2.32	58	< 10	32	< 0.5	< 2	1.83	8	137
1119003035	26.1	35.0	8.86	29.1	1.20	9.03	0.3	< 0.5	16	543	< 1	15	13	71	2.65	34	< 10	47	< 0.5	< 2	2.24	7	139
1229006229	67.5	6.98	-60.5	74.7	0.0934	8.53	0.2	< 0.5	11	330	< 1	14	3	86	1.99	4	< 10	13	< 0.5	3	0.55	9	160
1231023057	26.5	25.6	-0.879	29.4	0.870	9.36	< 0.2	< 0.5	18	512	< 1	9	11	124	1.50	6	< 10	43	< 0.5	2	1.19	6	118
1231023106	93.8	7.73	-86.1	104	0.0742	8.39	0.6	1.1	104	497	< 1	15	< 2	441	2.02	20	< 10	11	< 0.5	12	0.32	9	122
1119003020	73.5	58.0	-15.5	85.8	0.676	8.76	1.9	8.4	47	1460	< 1	15	65	2360	1.42	69	< 10	34	< 0.5	< 2	2.08	8	161

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1119003126	19.1	29.5	10.4	18.7	1.58	9.11	0.5	0.6	19	582	< 1	12	20	204	2.68	35	< 10	54	< 0.5	< 2	1.78	6	115
1229006242	68.3	50.7	-17.6	77.2	0.657	8.96	0.7	< 0.5	49	542	1	19	4	155	2.01	8	< 10	23	< 0.5	< 2	2.02	9	176
1231023197	76.9	10.2	-66.6	85.8	0.119	8.82	0.6	2.1	145	492	< 1	14	4	580	2.31	13	< 10	11	< 0.5	7	0.65	8	104
1229006001	59.7	24.4	-35.3	65.2	0.374	8.74	0.5	1.4	46	621	< 1	13	8	379	1.89	9	< 10	25	< 0.5	< 2	1.43	8	203
1119003055	75.9	46.0	-29.9	85.1	0.540	8.61	3.2	7.8	103	977	< 1	17	589	2220	1.12	84	< 10	20	< 0.5	3	1.73	7	146
1119003107	42.3	65.9	23.6	46.9	1.41	8.95	0.9	1.2	32	1450	< 1	13	83	345	1.20	55	< 10	29	< 0.5	< 2	2.18	7	109
1119008037	32.0	23.5	-8.51	34.6	0.678	8.98	0.5	0.9	22	815	< 1	12	32	354	2.16	67	< 10	32	< 0.5	< 2	1.58	7	148
1119003068	19.7	38.5	18.8	19.3	1.99	9.11	0.2	< 0.5	21	499	< 1	17	11	124	2.66	23	< 10	57	< 0.5	< 2	2.39	7	187
1119003123	18.5	61.4	42.9	22.0	2.79	8.94	0.6	0.6	40	691	< 1	31	30	190	2.40	27	< 10	59	< 0.5	< 2	2.92	11	161
1231023364	5.31	14.3	9.02	5.21	2.75	8.75	< 0.2	< 0.5	112	516	< 1	46	< 2	47	5.16	2	< 10	17	< 0.5	< 2	3.71	21	119
1231023467	67.4	40.8	-26.5	76.3	0.536	8.48	0.2	< 0.5	34	517	2	14	< 2	34	2.68	5	< 10	29	< 0.5	3	2.32	12	137
1229006171	75.6	45.4	-30.2	85.4	0.532	8.95	1.1	1.5	67	621	< 1	20	7	421	1.85	9	< 10	23	< 0.5	3	1.88	11	192
1229006138	68.1	45.2	-22.9	77.5	0.583	9.15	0.9	3.4	91	687	< 1	14	5	929	1.78	11	< 10	22	< 0.5	< 2	1.88	8	125
v843153							9.4	< 0.5	53	349	20	13	6	55	1.53	< 2	< 10	78	< 0.5	2	1.07	13	13
1231023216	54.2	15.9	-38.2	59.4	0.268	8.73	< 0.2	< 0.5	111	259	3	15	< 2	88	1.72	6	< 10	26	< 0.5	< 2	1.22	9	197
1119004083	59.6	32.4	-27.2	65.5	0.494	8.74	5.9	4.5	70	874	< 1	12	373	1270	1.06	110	< 10	22	< 0.5	< 2	1.39	7	149
1231023001	33.3	8.47	-24.9	36.4	0.232	8.86	0.3	< 0.5	39	636	< 1	20	3	209	2.56	11	< 10	34	< 0.5	3	0.73	9	159
1231023083	68.2	6.62	-61.6	74.1	0.0893	8.80	0.5	1.1	71	425	1	19	< 2	389	2.18	12	< 10	14	< 0.5	4	0.46	10	125
1231023235	70.4	11.1	-59.3	78.1	0.142	8.65	0.5	< 0.5	125	401	< 1	14	< 2	306	2.22	7	< 10	15	< 0.5	7	0.60	13	143
1119004139	84.0	59.4	-24.7	96.5	0.615	8.66	1.9	1.9	63	1920	< 1	26	185	583	1.01	69	< 10	17	< 0.5	4	2.15	18	156
1229006204	66.7	8.00	-58.7	73.2	0.109	9.00	0.8	< 0.5	24	265	3	14	5	96	1.80	7	< 10	19	< 0.5	8	0.59	8	152
1229006278	54.8	14.0	-40.8	60.6	0.231	8.92	0.7	1.2	122	496	4	17	3	374	1.69	9	< 10	20	< 0.5	< 2	0.94	8	261
1231023239	45.0	17.1	-27.9	49.6	0.344	9.03	0.5	0.5	67	458	< 1	13	< 2	221	2.41	15	< 10	28	< 0.5	< 2	1.34	8	148
1119004147	73.1	37.8	-35.3	80.8	0.468	8.72	1.4	1.1	34	944	< 1	14	62	334	1.54	112	< 10	16	< 0.5	< 2	1.61	13	93
1229006207	75.5	13.4	-62.2	83.3	0.160	8.49	1.4	1.0	74	508	1	15	6	308	2.04	13	< 10	18	< 0.5	4	0.82	9	191
1119004103	25.5	81.4	55.9	30.3	2.69	9.36	1.3	1.1	16	675	< 1	12	14	341	1.51	50	< 10	49	< 0.5	< 2	2.85	6	72
1119004160	57.8	34.3	-23.5	63.7	0.539	9.04	0.6	0.8	33	1060	< 1	11	77	285	1.77	71	< 10	24	< 0.5	4	1.44	12	71
1119004182	60.1	34.8	-25.3	65.2	0.533	8.87	1.1	1.4	115	1060	1	13	171	428	1.25	58	< 10	22	< 0.5	< 2	1.32	9	111
1231023026	38.8	12.6	-26.3	42.6	0.296	9.10	0.2	1.0	54	551	1	17	< 2	349	3.64	10	< 10	33	< 0.5	2	1.36	12	119
1231023114	43.4	17.2	-26.2	46.9	0.367	8.95	0.3	< 0.5	21	521	< 1	14	< 2	102	2.47	12	< 10	33	< 0.5	< 2	1.25	8	98
1119004043	25.7	57.2	31.5	29.7	1.93	9.01	0.6	< 0.5	18	641	< 1	11	28	156	2.26	42	< 10	45	< 0.5	< 2	2.55	6	91
1119004177	80.3	39.9	-40.4	89.1	0.448	8.67	1.2	1.4	36	906	< 1	12	174	444	1.42	109	< 10	11	< 0.5	< 2	1.51	9	108
1231023128	41.0	8.50	-32.5	45.3	0.187	9.05	0.4	< 0.5	32	447	1	20	2	102	2.04	13	< 10	30	< 0.5	6	0.68	8	194
1229006168	75.8	15.4	-60.5	83.9	0.183	8.88	0.7	0.9	31	475	3	14	6	277	2.04	7	< 10	14	< 0.5	5	0.87	9	111
2135004206	5.94	35.7	29.7	5.82	6.13	9.38	< 0.2	< 0.5	14	328	3	18	< 2	59	1.52	5	< 10	109	< 0.5	< 2	1.66	9	171
1229011253	69.9	15.6	-54.3	78.4	0.199	9.03	0.7	< 0.5	32	378	< 1	13	< 2	91	2.22	10	< 10	20	< 0.5	4	0.74	9	110
1229011167	71.0	7.61	-63.4	77.8	0.0978	9.01	1.4	< 0.5	103	414	4	10	8	59	3.13	19	< 10	18	< 0.5	< 2	1.23	8	77
v843154							2.9	< 0.5	32	263	15	12	13	43	1.25	< 2	< 10	57	< 0.5	< 2	1.95	8	11
1119005132	2.49	41.5	39.0	6.13	6.77	9.53	< 0.2	< 0.5	12	399	< 1	19	5	55	1.69	7	< 10	69	< 0.5	< 2	1.90	6	243
1229013081	13.8	15.1	1.36	13.5	1.12	9.22	< 0.2	< 0.5	18	489	< 1	8	7	95	3.51	14	< 10	66	< 0.5	< 2	1.94	8	53
1229006281	53.4	18.4	-35.1	57.9	0.317	9.02	0.4	< 0.5	91	523	4	17	2	128	1.39	11	< 10	24	< 0.5	< 2	1.01	8	217
1119005012	14.0	63.1	49.2	18.4	3.44	9.16	1.5	< 0.5	70	526	1	18	4	79	2.28	11	< 10	59	< 0.5	3	2.80	7	179
1229011016	24.8	21.8	-2.97	27.6	0.792	8.99	0.4	< 0.5	69	667	1	15	11	219	2.60	11	< 10	42	< 0.5	< 2	1.80	8	231
1229013099	12.8	14.4	1.62	12.6	1.15	9.03	< 0.2	< 0.5	19	408	< 1	11	2	69	3.30	6	< 10	44	< 0.5	< 2	1.43	6	107
1229011036	54.3	15.0	-39.3	59.1	0.253	8.64	0.7	0.5	122	509	6	16	5	259	2.24	9	< 10	22	< 0.5	< 2	1.38	8	180
1229011234	70.1	14.1	-56.0	75.3	0.187	8.49	0.9	< 0.5	105	390	2	10	3	114	2.25	14	< 10	15	< 0.5	5	1.05	6	171
1229013142	11.3	13.3	2.09	11.0	1.21	8.89	< 0.2	< 0.5	23	265	< 1	11	2	26	2.48	4	< 10	115	< 0.5	< 2	1.26	8	116
1229013177	3.44	17.3	13.8	3.37	5.13	8.67	< 0.2	< 0.5	113	566	< 1	48	< 2	51	5.06	3	< 10	24	< 0.5	< 2	3.42	22	95
1229011012	36.6	37.6	1.01	41.0	0.915	9.11	0.3	0.9	38	1070	< 1	19	11	346	2.05	18	< 10	40	< 0.5	< 2	2.14	10	131

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1119005187	17.5	32.4	14.9	17.1	1.89	9.13	0.8	< 0.5	14	539	< 1	16	15	75	1.99	34	< 10	56	< 0.5	< 2	1.61	7	174
1229011229	75.8	6.22	-69.6	80.5	0.0773	8.48	0.9	< 0.5	303	432	3	16	3	69	2.32	12	< 10	24	< 0.5	5	0.79	8	216
1229013032	32.7	11.7	-21.0	35.8	0.328	8.59	0.5	< 0.5	20	607	< 1	14	9	490	2.77	12	15	33	< 0.5	< 2	1.09	7	214
1119005133	9.37	41.2	31.8	12.3	3.36	9.21	0.4	< 0.5	26	441	< 1	18	13	66	2.12	7	< 10	52	< 0.5	< 2	2.14	6	231
1229013185	2.50	13.9	11.4	2.45	5.68	8.90	< 0.2	< 0.5	108	554	< 1	53	< 2	47	5.11	< 2	< 10	17	< 0.5	< 2	3.41	23	110
1229013063	17.5	15.5	-1.98	17.1	0.905	8.85	< 0.2	< 0.5	24	594	< 1	11	11	118	3.38	12	12	45	< 0.5	< 2	1.91	8	111
1119005024	31.6	60.0	28.4	35.8	1.67	9.03	0.9	< 0.5	39	665	1	14	8	99	1.63	76	< 10	39	< 0.5	< 2	2.61	7	140
v843155							4.2	< 0.5	23	143	7	4	< 2	26	0.64	< 2	< 10	23	< 0.5	6	0.58	5	9
1119005147	14.1	50.8	36.8	16.8	3.02	9.33	0.4	< 0.5	36	494	< 1	14	9	79	1.56	38	< 10	44	< 0.5	< 2	2.34	6	170
1229011269	67.6	25.4	-42.2	75.0	0.338	8.85	0.7	1.4	104	597	< 1	12	4	471	3.04	11	< 10	26	< 0.5	2	1.89	7	96
1231023028	60.8	20.4	-40.5	67.7	0.301	8.89	1.1	< 0.5	163	423	< 1	13	5	198	2.20	18	< 10	17	< 0.5	14	1.10	8	102
1231023126	50.4	6.39	-44.0	54.8	0.116	8.77	0.8	< 0.5	240	414	< 1	13	3	161	1.97	22	< 10	25	< 0.5	< 2	0.42	8	135
1229011142	58.2	6.31	-51.9	63.7	0.0990	8.69	0.8	< 0.5	241	515	2	12	5	57	3.31	13	< 10	16	< 0.5	3	1.60	7	133
1229006275	72.8	16.6	-56.2	81.8	0.204	8.72	0.9	< 0.5	44	405	1	14	3	138	2.20	8	< 10	15	< 0.5	< 2	0.86	9	138
2137502050	4.69	11.9	7.18	4.59	2.58	9.35	< 0.2	< 0.5	12	377	1	17	< 2	70	3.96	3	< 10	79	< 0.5	< 2	2.09	9	144
1231023172	66.8	11.3	-55.5	73.8	0.153	9.03	0.6	< 0.5	203	439	< 1	11	< 2	128	2.15	10	< 10	15	< 0.5	3	0.64	8	121
1229011246	12.8	10.2	-2.59	12.6	0.814	9.15	< 0.2	< 0.5	20	394	< 1	12	10	105	3.99	8	< 10	46	< 0.5	< 2	2.04	7	140
1119004001	49.4	55.1	5.69	57.0	0.967	8.75	3.8	2.6	45	1660	< 1	15	376	767	1.07	37	< 10	23	< 0.5	< 2	2.22	8	142
1119004018	16.8	49.3	32.5	19.9	2.48	9.38	0.6	< 0.5	19	614	< 1	12	13	138	2.05	40	< 10	51	< 0.5	< 2	2.19	6	75
1229011147	63.8	8.83	-55.0	69.2	0.128	8.73	1.0	< 0.5	183	476	3	12	6	78	2.98	16	< 10	21	< 0.5	< 2	1.39	7	123
1229011193	70.5	9.07	-61.4	75.3	0.120	8.61	0.9	< 0.5	174	418	3	9	4	57	3.01	13	< 10	18	< 0.5	2	1.25	7	92
1119004031	49.3	70.5	21.2	55.4	1.27	8.82	1.2	3.1	50	1760	< 1	14	208	862	1.14	46	< 10	24	< 0.5	< 2	2.31	7	105
1229011114	17.8	13.1	-4.68	17.5	0.752	8.99	< 0.2	< 0.5	13	455	< 1	12	6	80	3.79	6	< 10	59	< 0.5	< 2	1.83	7	104
1229013010	8.13	19.8	11.7	7.96	2.49	9.20	< 0.2	< 0.5	16	473	< 1	7	7	112	3.90	10	< 10	64	< 0.5	< 2	2.35	7	55
1229011019	20.5	14.7	-5.79	23.3	0.633	8.99	< 0.2	< 0.5	20	302	1	16	< 2	41	1.88	5	< 10	47	0.5	< 2	1.27	9	187
1229011108	15.9	7.13	-8.80	15.6	0.457	9.27	< 0.2	< 0.5	23	470	< 1	7	7	87	3.18	9	< 10	74	< 0.5	< 2	1.40	6	67
v843156							3.2	< 0.5	261	270	14	13	20	56	1.49	3	< 10	63	< 0.5	< 2	0.78	10	17
1119005102	48.3	23.1	-25.2	53.0	0.436	8.90	0.9	1.3	74	693	< 1	11	160	422	1.80	39	< 10	21	< 0.5	< 2	1.07	8	101
1229011046	52.5	12.9	-39.5	57.3	0.226	8.60	0.5	< 0.5	102	544	4	14	3	81	2.02	12	< 10	17	< 0.5	< 2	1.10	8	185
1229012139	47.1	12.9	-34.2	51.1	0.252	8.61	0.5	< 0.5	128	458	9	18	< 2	66	1.80	8	< 10	19	< 0.5	< 2	1.17	7	307
1119005173	30.8	39.5	8.64	33.7	1.17	8.84	0.5	< 0.5	16	410	< 1	14	11	56	2.07	24	< 10	41	< 0.5	< 2	2.01	6	167
1119005229	66.9	36.4	-30.5	74.4	0.489	8.64	3.0	5.0	89	778	< 1	12	779	1300	1.43	69	< 10	20	< 0.5	< 2	1.59	8	130
1119007028	61.0	67.2	6.22	68.0	0.989	8.80	1.5	3.1	38	1580	< 1	18	401	880	0.83	34	< 10	20	< 0.5	< 2	2.14	8	199
1119007092	42.4	83.2	40.8	49.9	1.67	8.83	0.4	5.1	80	1970	1	33	124	1460	1.80	22	< 10	26	< 0.5	< 2	3.03	10	143
1334001048	32.8	132	98.9	47.8	2.76	8.58	3.0	2.5	160	1790	< 1	76	6	817	3.81	24	< 10	32	< 0.5	< 2	4.09	33	132
1119007009	69.5	28.9	-40.6	75.9	0.380	8.53	2.2	3.3	125	1270	< 1	17	38	1020	1.70	71	< 10	19	< 0.5	4	1.12	6	221
1119007062	42.7	56.2	13.5	48.7	1.15	8.76	1.0	2.2	134	1580	1	16	55	595	1.54	36	< 10	26	< 0.5	3	2.23	6	227
1229011003	67.0	0.969	-66.0	72.3	0.0134	8.77	0.9	< 0.5	101	269	4	14	< 2	51	1.31	18	< 10	13	< 0.5	< 2	0.49	9	158
1229011131	68.5	3.09	-65.4	74.1	0.0417	8.51	0.8	< 0.5	240	299	3	14	5	50	1.53	21	< 10	14	< 0.5	4	0.72	8	205
1229013106	19.7	12.6	-7.12	19.3	0.652	8.93	< 0.2	< 0.5	16	507	< 1	10	12	158	3.35	6	20	47	< 0.5	< 2	1.24	7	105
1229013113	0.938	45.0	44.1	0.919	49.0	8.91	< 0.2	< 0.5	121	545	< 1	45	< 2	56	5.48	3	< 10	17	< 0.5	< 2	3.71	23	143
1229013160	2.50	21.5	19.0	2.45	8.77	8.80	< 0.2	< 0.5	108	565	< 1	55	< 2	46	5.11	3	< 10	14	< 0.5	< 2	3.60	47	129
1119005033	17.8	52.1	34.3	21.4	2.43	9.32	< 0.2	< 0.5	11	484	< 1	14	6	142	2.16	26	< 10	47	< 0.5	< 2	2.35	6	129
1229013199	14.1	9.26	-4.81	13.8	0.672	8.82	< 0.2	< 0.5	30	562	< 1	20	< 2	62	3.51	5	22	85	< 0.5	< 2	1.25	12	93
1119005038	53.2	31.8	-21.4	59.1	0.538	8.80	0.9	0.6	54	625	< 1	11	29	193	1.53	109	< 10	28	< 0.5	< 2	1.39	8	140
1229013254	4.38	26.1	21.7	4.29	6.09	8.72	< 0.2	< 0.5	105	654	< 1	58	< 2	54	5.02	5	< 10	51	< 0.5	< 2	3.44	24	147
1229011048	60.4	9.91	-50.5	65.8	0.150	8.52	1.3	< 0.5	163	478	4	15	3	82	2.11	12	< 10	16	< 0.5	< 2	1.01	9	205
1229013223	15.9	21.4	5.42	15.6	1.37	8.82	< 0.2	< 0.5	38	708	< 1	25	4	81	3.52	4	12	46	< 0.5	4	2.05	15	114
v843157							9.4	< 0.5	48	329	20	13	6	53	1.45	< 2	< 10	76	< 0.5	< 2	1.00	13	12

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1119009024	63.2	29.4	-33.8	71.4	0.412	8.93	1.5	9.2	117	554	< 1	12	10	2020	1.19	92	< 10	19	< 0.5	< 2	1.30	6	172
1229012083	51.4	13.8	-37.6	57.0	0.243	8.75	0.3	< 0.5	97	520	4	13	< 2	66	2.09	7	< 10	15	< 0.5	< 2	1.30	8	209
1119009056	55.3	35.3	-20.0	62.2	0.568	8.96	0.9	6.2	49	780	1	13	14	1600	1.20	64	< 10	24	< 0.5	< 2	1.44	6	160
1229012185	46.8	6.30	-40.5	50.5	0.125	8.69	0.3	< 0.5	69	479	4	15	3	61	1.84	8	< 10	17	< 0.5	< 2	0.95	7	239
1119010204	32.0	77.3	45.3	37.1	2.09	9.11	1.0	< 0.5	22	830	2	11	14	139	1.02	39	< 10	38	< 0.5	< 2	3.24	5	177
1230033348	45.5	24.3	-21.2	50.2	0.484	8.85	0.2	0.8	82	445	2	14	< 2	300	1.46	9	< 10	30	< 0.5	< 2	1.21	8	186
1334001118	60.3	80.8	20.5	71.4	1.13	8.57	0.8	< 0.5	61	1070	< 1	96	3	198	4.55	16	< 10	29	< 0.5	< 2	3.38	29	126
1119009049	42.2	7.37	-34.8	48.1	0.153	8.85	1.0	0.5	55	685	< 1	14	27	214	1.73	72	< 10	25	< 0.5	2	0.49	7	137
1230033079	44.3	25.7	-18.5	49.9	0.516	8.92	0.5	0.8	72	355	3	14	< 2	308	1.53	8	< 10	22	< 0.5	2	1.20	7	225
1119009006	36.1	7.95	-28.2	39.5	0.201	9.11	0.7	< 0.5	11	566	< 1	13	39	119	1.77	75	< 10	31	< 0.5	< 2	0.53	7	101
1230033278	41.0	16.4	-24.6	46.2	0.355	8.93	0.6	3.7	135	553	2	16	< 2	1250	1.79	6	< 10	18	< 0.5	< 2	0.90	7	171
1334001091	33.5	118	84.7	43.5	2.72	9.07	0.6	< 0.5	73	1220	< 1	112	< 2	208	4.06	19	< 10	49	< 0.5	< 2	4.07	34	143
1119010418	30.5	53.1	22.6	36.8	1.44	9.19	1.7	4.3	90	1070	1	10	239	1600	1.69	32	< 10	31	< 0.5	< 2	2.23	8	137
1119010288	59.0	19.0	-40.0	74.4	0.256	8.73	4.7	29.4	172	740	< 1	10	76	7770	1.67	65	< 10	20	< 0.5	< 2	0.94	6	118
1119010301	35.9	38.6	2.69	42.6	0.907	9.02	1.1	6.8	69	1000	1	12	67	1870	1.78	52	< 10	29	< 0.5	< 2	1.81	7	149
1230033389	19.9	26.2	6.33	23.3	1.13	9.10	< 0.2	< 0.5	36	486	< 1	18	< 2	209	1.22	8	< 10	47	< 0.5	< 2	1.26	6	334
1230035049	36.9	20.2	-16.7	41.3	0.489	9.07	1.1	0.6	220	550	< 1	16	5	223	2.14	14	< 10	29	< 0.5	6	1.25	6	156
1119010365	31.5	16.1	-15.4	40.7	0.396	8.90	1.8	15.7	162	777	< 1	11	58	4320	2.25	41	< 10	30	< 0.5	< 2	1.30	6	139
1230033182	46.5	16.2	-30.3	50.8	0.318	8.69	0.2	0.8	62	504	3	17	< 2	278	1.89	6	< 10	19	< 0.5	< 2	1.21	7	263
1230033313	39.6	27.5	-12.1	44.7	0.615	9.20	0.4	1.2	141	540	5	13	< 2	445	1.51	5	< 10	23	< 0.5	< 2	1.37	7	184
1119010411	23.7	24.8	1.02	26.3	0.940	9.23	0.3	0.6	30	1110	< 1	11	42	260	2.80	33	< 10	34	< 0.5	< 2	1.46	6	109
v843158							1.5	< 0.5	58	343	4	14	7	64	1.51	< 2	< 10	78	< 0.5	< 2	1.05	13	12
1230033314	40.2	23.9	-16.3	45.9	0.521	8.97	0.4	1.9	128	597	3	14	3	652	1.44	9	< 10	24	< 0.5	< 2	1.13	7	217
1119009139	26.2	18.6	-7.68	29.4	0.632	9.19	0.6	1.2	43	706	< 1	10	29	406	2.68	28	< 10	34	< 0.5	< 2	1.62	7	131
1229012195	48.1	11.7	-36.4	53.0	0.221	8.60	0.5	< 0.5	249	496	4	17	2	68	1.76	19	< 10	22	< 0.5	< 2	1.00	8	198
1229012093	41.4	22.7	-18.7	46.5	0.488	8.87	0.2	< 0.5	92	446	4	22	< 2	51	1.20	9	< 10	20	< 0.5	< 2	1.06	7	369
1231022429	47.1	11.5	-35.5	51.5	0.224	8.52	0.5	< 0.5	280	322	1	11	< 2	46	2.23	5	< 10	24	< 0.5	6	0.89	7	97
1231022409	23.1	10.9	-12.2	25.7	0.425	8.89	0.5	< 0.5	38	337	< 1	22	< 2	137	2.00	6	< 10	50	< 0.5	5	0.97	10	165
1229012006	46.1	14.9	-31.3	50.8	0.293	8.77	< 0.2	< 0.5	35	492	2	15	< 2	96	1.88	8	< 10	22	< 0.5	5	0.87	7	121
1229012155	45.2	13.1	-32.1	49.9	0.263	8.95	0.3	< 0.5	103	465	4	14	< 2	51	1.36	8	< 10	19	< 0.5	< 2	0.72	7	194
1119007317	48.5	31.2	-17.3	54.2	0.576	8.96	1.0	2.1	37	753	< 1	14	70	526	2.71	23	< 10	28	< 0.5	< 2	2.11	7	149
1231022174	30.6	8.06	-22.6	34.9	0.231	8.72	1.0	< 0.5	468	362	1	20	2	51	2.49	7	< 10	45	< 0.5	4	0.99	8	145
2135005164	8.44	26.1	17.7	8.27	3.16	9.71	< 0.2	< 0.5	12	348	< 1	22	4	66	1.70	5	< 10	86	< 0.5	< 2	1.41	8	206
1230033468	31.9	26.2	-5.68	35.8	0.731	8.82	< 0.2	< 0.5	43	449	< 1	17	< 2	157	1.31	10	< 10	23	< 0.5	< 2	1.20	7	268
1119009112	88.0	6.76	-81.2	94.3	0.0717	8.50	1.1	1.5	82	505	< 1	13	22	403	1.33	115	< 10	16	< 0.5	6	0.46	6	188
1230033401	36.7	20.2	-16.5	41.0	0.492	8.79	0.3	< 0.5	81	463	2	17	< 2	100	1.30	8	< 10	20	< 0.5	< 2	0.96	8	260
1230033367	54.8	24.2	-30.6	61.6	0.393	8.71	< 0.2	0.8	53	561	< 1	21	< 2	329	1.96	3	< 10	16	< 0.5	6	1.29	8	144
1119009087	47.4	10.7	-36.7	53.6	0.199	8.64	1.0	0.6	85	603	1	13	41	192	1.56	91	< 10	27	< 0.5	4	0.54	6	158
1119009101	33.9	15.8	-18.2	43.5	0.362	8.74	1.3	11.7	332	732	< 1	11	42	3330	2.24	41	< 10	37	< 0.5	< 2	1.20	6	111
1334001054	13.1	40.6	27.5	16.5	2.46	9.21	< 0.2	< 0.5	28	499	< 1	26	4	96	3.16	8	< 10	95	< 0.5	< 2	3.09	11	121
1119007190	55.1	63.7	8.65	64.0	0.996	8.92	1.7	3.9	55	1130	< 1	15	416	1040	1.46	37	< 10	43	< 0.5	< 2	2.40	7	137
v843159							9.4	< 0.5	52	349	20	13	8	55	1.65	< 2	< 10	77	< 0.5	< 2	1.17	13	13
1119007306	70.1	41.8	-28.2	79.0	0.530	8.87	2.9	6.6	97	1010	1	17	99	1780	0.94	51	< 10	37	< 0.5	< 2	1.74	7	184
1119007243	49.6	72.3	22.8	56.0	1.29	9.26	0.7	1.2	21	1580	< 1	13	186	360	1.09	27	< 10	50	< 0.5	< 2	2.41	7	143
1229012097	54.2	15.8	-38.3	59.7	0.265	9.04	0.4	< 0.5	111	444	4	15	< 2	67	1.29	9	< 10	45	< 0.5	7	0.81	7	237
1231022399	46.9	5.91	-41.0	51.5	0.115	8.67	0.5	< 0.5	196	267	< 1	12	< 2	34	3.29	7	< 10	44	< 0.5	2	1.25	4	147
1334001153	18.8	136	117	27.0	5.05	9.06	0.7	< 0.5	70	1810	< 1	132	2	283	4.85	23	< 10	20	< 0.5	< 2	4.54	34	153
2135005200	14.3	42.2	28.0	17.8	2.38	9.60	< 0.2	< 0.5	9	422	< 1	19	16	104	1.40	4	< 10	63	< 0.5	< 2	1.84	8	235
1119009001	45.8	40.9	-4.88	50.8	0.805	9.08	0.7	2.8	48	964	< 1	12	36	752	1.92	32	< 10	46	< 0.5	< 2	1.86	7	86

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1119009017	58.2	27.7	-30.5	64.0	0.432	8.93	2.2	5.1	105	475	1	12	8	1170	1.29	96	< 10	39	< 0.5	< 2	1.24	8	153
1119009070	42.2	14.5	-27.7	46.5	0.312	8.94	1.0	3.8	63	614	< 1	15	36	973	1.71	77	< 10	47	< 0.5	< 2	0.72	6	135
1119009086	48.2	10.4	-37.8	52.4	0.199	8.71	1.3	0.7	67	535	< 1	14	37	224	1.64	78	< 10	43	< 0.5	< 2	0.52	7	163
1119007178	46.0	71.1	25.1	51.1	1.39	9.08	0.9	1.6	48	1260	2	15	231	431	1.36	24	< 10	43	< 0.5	< 2	2.53	7	132
2135006002	10.6	35.4	24.7	10.4	3.40	9.57	0.4	< 0.5	13	391	< 1	16	4	79	1.52	4	< 10	82	< 0.5	< 2	1.61	8	182
1119007267	43.3	58.5	15.1	50.2	1.16	8.98	1.1	7.5	73	1190	3	13	37	1740	1.79	41	< 10	42	< 0.5	< 2	2.34	7	107
1119009193	87.9	4.43	-83.5	91.9	0.0482	7.94	3.2	2.8	124	129	< 1	14	22	766	1.11	262	< 10	27	< 0.5	6	0.20	7	152
1231022441	45.4	13.1	-32.4	50.5	0.258	8.60	0.4	0.8	211	412	< 1	17	2	270	2.30	11	< 10	45	< 0.5	< 2	0.98	8	196
1119007149	42.9	106	63.4	48.4	2.20	8.98	1.6	3.1	79	1250	1	14	58	797	1.56	52	< 10	39	< 0.5	< 2	2.29	7	136
1119007611	50.5	55.7	5.19	59.7	0.933	8.82	2.5	6.6	101	2680	< 1	11	223	1900	1.08	68	< 10	39	< 0.5	< 2	2.94	6	130
1231022148	54.7	12.4	-42.2	58.2	0.214	8.50	0.5	< 0.5	230	262	1	14	< 2	33	2.79	6	< 10	57	< 0.5	2	1.01	5	175
v84160							1.5	< 0.5	56	354	4	12	8	64	1.60	< 2	< 10	77	< 0.5	< 2	1.16	13	13
1230035043	48.1	24.3	-23.8	53.9	0.452	8.63	0.6	0.7	83	376	< 1	10	4	218	2.91	14	< 10	50	< 0.5	4	1.27	7	165
1119010367	26.8	28.6	1.81	30.3	0.942	9.03	0.5	0.8	24	833	3	26	37	241	2.31	27	< 10	49	< 0.5	< 2	1.72	6	184
1231099257	56.7	14.5	-42.2	61.3	0.236	8.72	0.4	2.5	102	391	4	29	< 2	773	1.23	8	< 10	44	< 0.5	3	0.68	8	306
1231099313	69.6	12.9	-56.7	76.6	0.168	8.69	0.6	4.9	177	348	3	19	< 2	1490	1.41	7	< 10	35	< 0.5	< 2	0.54	9	307
1230035082	96.4	20.2	-76.2	105	0.192	8.33	0.6	1.9	109	804	1	29	3	640	3.60	17	< 10	35	< 0.5	4	2.02	16	262
1230035141	68.0	12.1	-55.9	74.1	0.163	8.58	0.5	0.7	103	450	< 1	19	< 2	275	2.29	15	< 10	47	< 0.5	9	0.80	9	261
1230035180	69.7	15.4	-54.3	75.3	0.204	8.43	0.6	1.0	46	509	< 1	17	< 2	370	2.46	14	< 10	43	< 0.5	3	1.01	7	228
1230035109	99.0	5.51	-93.5	109	0.0504	8.06	0.8	< 0.5	252	547	1	17	3	121	2.59	21	< 10	29	< 0.5	6	0.22	8	234
1230033119	33.4	37.4	4.00	38.0	0.986	9.03	0.3	< 0.5	58	550	5	31	< 2	193	1.45	10	< 10	65	< 0.5	2	1.60	8	323
1119010338	55.5	11.6	-43.9	64.6	0.180	8.54	2.8	14.3	129	826	< 1	13	70	3960	2.05	49	< 10	35	< 0.5	3	1.18	5	172
1119010246	32.5	17.7	-14.8	36.8	0.482	8.90	0.6	3.9	39	761	< 1	12	58	1120	2.54	39	< 10	49	< 0.5	< 2	1.41	4	121
1119010313	32.7	40.8	8.15	38.3	1.07	9.04	2.1	7.4	48	1130	< 1	12	430	2080	1.66	32	< 10	49	< 0.5	3	1.71	5	131
1119010215	95.4	12.3	-83.1	111	0.111	8.41	2.2	26.1	142	565	< 1	11	77	6860	1.55	172	< 10	28	< 0.5	7	0.60	6	124
1230003243	42.3	26.5	-15.7	47.8	0.555	8.52	0.4	2.9	127	641	3	17	3	871	1.58	7	< 10	51	< 0.5	2	1.00	8	274
1230033305	45.1	16.6	-28.5	50.8	0.326	8.65	0.3	1.5	102	502	3	14	< 2	512	1.55	6	< 10	45	< 0.5	< 2	0.97	7	267
1230033196	36.9	25.7	-11.1	41.0	0.627	8.63	0.6	0.6	185	644	4	23	< 2	296	1.43	8	< 10	41	< 0.5	< 2	1.18	7	393
1119010259	59.0	55.9	-3.11	66.2	0.846	8.61	2.5	1.8	51	1260	< 1	15	271	686	1.74	104	< 10	37	< 0.5	3	2.19	7	190
1230033344	50.8	23.9	-26.9	55.7	0.429	8.62	0.3	0.6	95	524	3	16	< 2	255	1.51	9	< 10	46	< 0.5	3	1.15	8	264
v843161							2.9	< 0.5	33	274	17	11	16	45	1.36	< 2	< 10	59	0.5	< 2	2.02	8	12
1230033123	43.2	32.4	-10.8	49.0	0.661	8.66	2.3	3.0	241	478	3	19	3	922	1.22	11	< 10	57	< 0.5	< 2	1.35	8	356
1231099075	39.8	9.25	-30.5	42.6	0.217	8.73	0.3	< 0.5	52	316	< 1	18	4	47	1.37	10	< 10	62	< 0.5	< 2	0.58	8	239
1231099134	41.2	8.29	-33.0	43.5	0.191	8.60	< 0.2	< 0.5	18	236	< 1	18	2	45	1.27	9	< 10	44	< 0.5	< 2	0.53	7	269
1230035034	38.2	16.8	-21.4	42.6	0.394	8.60	1.2	1.9	171	552	2	14	4	534	2.23	7	< 10	47	< 0.5	3	1.13	7	188
1230035124	46.4	6.78	-39.7	51.1	0.133	8.05	0.4	1.6	41	517	< 1	17	< 2	553	3.35	10	< 10	54	< 0.5	2	1.45	7	221
1231099100	58.1	6.23	-51.9	62.8	0.0992	8.49	0.8	< 0.5	131	303	1	18	< 2	46	2.06	14	< 10	24	< 0.5	8	1.00	8	210
1230035192	68.0	7.92	-60.1	75.6	0.105	7.94	1.4	< 0.5	235	269	< 1	13	6	47	2.56	13	< 10	47	< 0.5	8	0.93	8	121
1230034005	47.0	15.0	-32.0	52.1	0.287	8.51	1.7	2.8	41	691	< 1	15	3	874	3.01	12	< 10	50	< 0.5	< 2	1.57	6	188
1231099131	59.6	11.5	-48.1	62.8	0.183	8.42	0.9	< 0.5	126	302	< 1	20	< 2	45	1.85	13	< 10	35	< 0.5	3	0.95	8	308
1230034017	72.5	11.1	-61.4	79.9	0.139	8.24	0.7	8.0	84	947	< 1	21	8	2420	2.34	26	< 10	37	< 0.5	5	0.74	11	229
1230034111	60.0	8.47	-51.5	65.5	0.129	8.38	1.6	3.4	102	1230	1	24	43	1080	3.44	63	< 10	46	< 0.5	7	0.92	16	154
1231099205	48.4	16.8	-31.6	52.1	0.323	8.46	0.3	1.0	77	433	< 1	19	< 2	314	1.97	10	< 10	61	< 0.5	< 2	0.97	8	261
1231099228	62.7	8.22	-54.5	66.5	0.124	8.54	0.3	0.8	76	346	3	17	2	289	1.44	8	< 10	45	< 0.5	6	0.59	8	258
1231099227	53.2	12.8	-40.4	57.9	0.221	8.63	0.3	< 0.5	61	318	2	18	< 2	79	1.52	7	< 10	48	< 0.5	< 2	0.64	7	279
1230033435	59.8	20.1	-39.7	66.8	0.301	8.57	0.3	3.4	123	348	3	21	2	1060	1.13	7	< 10	41	< 0.5	< 2	1.06	7	353
1230033188	41.7	30.1	-11.5	46.2	0.652	8.65	0.3	0.6	92	487	3	20	3	229	1.26	11	< 10	46	< 0.5	2	1.34	7	362
1230033164	50.2	23.7	-26.5	56.7	0.419	8.61	0.7	4.3	169	571	4	20	2	1260	1.33	10	< 10	38	< 0.5	3	1.05	8	327
1230035106	57.1	6.09	-51.0	62.2	0.0980	8.51	0.6	< 0.5	110	524	< 1	16	3	162	2.52	15	< 10	35	< 0.5	8	0.36	9	184

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230034050	51.3	18.1	-33.3	57.0	0.317	8.51	0.9	3.3	97	514	1	19	6	1040	2.10	19	< 10	38	< 0.5	5	1.22	7	280
1231099128	54.1	11.3	-42.7	59.7	0.190	8.22	0.4	< 0.5	89	381	3	18	2	54	1.42	13	< 10	22	< 0.5	7	0.60	8	258
1231099194	53.8	9.70	-44.1	59.4	0.163	8.56	0.5	< 0.5	133	449	3	23	3	97	1.47	8	< 10	38	< 0.5	6	0.59	8	300
1230035186	74.8	6.60	-68.2	81.2	0.0814	8.25	0.6	< 0.5	113	431	< 1	21	3	87	1.99	12	< 10	20	< 0.5	5	0.44	8	255
1230035069	8.75	6.74	-2.01	8.57	0.786	8.41	< 0.2	< 0.5	117	517	< 1	51	< 2	74	5.50	< 2	< 10	22	< 0.5	< 2	3.64	22	191
1119010321	24.1	28.5	4.44	23.6	1.21	8.62	0.3	0.6	14	781	1	15	34	200	2.23	37	< 10	44	< 0.5	< 2	1.57	5	231
1230034052	58.9	25.3	-33.6	64.3	0.394	8.54	2.2	0.7	42	867	< 1	18	11	303	2.23	30	< 10	43	< 0.5	5	1.27	11	182
1230034076	86.1	-2.49	-88.6	96.8	-0.0257	8.18	1.3	1.6	187	1220	< 1	41	15	1170	3.24	38	< 10	28	< 0.5	2	0.80	26	221
v843162							4.1	< 0.5	22	145	7	6	< 2	25	0.71	2	< 10	22	< 0.5	5	0.62	5	9
1230034118	36.2	4.73	-31.5	40.4	0.117	8.89	0.9	1.1	83	780	< 1	12	6	370	2.39	15	< 10	52	< 0.5	4	1.01	8	152
1230034248	9.99	64.6	54.6	13.8	4.68	9.07	0.6	< 0.5	249	749	< 1	65	5	92	3.27	8	< 10	57	0.5	< 2	2.60	25	283
1230034170	16.3	41.5	25.3	15.9	2.61	9.30	< 0.2	< 0.5	18	574	< 1	9	6	133	1.41	6	< 10	145	< 0.5	< 2	1.65	5	178
1230034213	67.7	8.62	-59.1	78.7	0.110	8.28	1.4	15.4	89	991	< 1	16	16	4340	2.19	54	< 10	34	< 0.5	7	0.32	8	239
1230034314	92.1	9.91	-82.1	106	0.0935	8.11	9.0	3.4	2280	935	1	26	13	1010	3.15	70	< 10	23	< 0.5	6	0.39	18	166
1230037178	97.8	7.74	-90.1	104	0.0748	8.03	2.0	< 0.5	541	433	< 1	10	6	98	1.84	41	< 10	15	< 0.5	6	0.63	5	166
1230037235	21.9	14.1	-7.77	21.4	0.658	8.42	0.7	< 0.5	169	686	< 1	13	5	173	2.49	9	< 10	68	< 0.5	< 2	0.93	6	124
1230037260	67.6	5.46	-62.1	72.9	0.0749	7.93	0.7	2.2	173	408	< 1	16	6	1270	1.61	43	< 10	28	< 0.5	7	0.40	8	230
1118002014	53.7	56.3	2.58	61.9	0.910	8.44	0.9	1.1	38	1180	< 1	13	67	312	1.99	92	< 10	47	< 0.5	< 2	2.39	8	110
1230037050	62.1	6.10	-56.0	66.2	0.0922	8.11	0.9	< 0.5	295	480	2	15	5	108	1.89	13	< 10	29	< 0.5	< 2	0.43	9	192
1231099011	50.9	8.21	-42.7	55.7	0.147	8.63	0.4	< 0.5	53	322	2	16	3	53	2.12	13	< 10	44	< 0.5	7	0.48	6	216
1230034152	42.9	19.4	-23.5	47.2	0.411	8.68	0.3	< 0.5	33	315	1	20	2	38	1.29	7	< 10	42	< 0.5	< 2	0.93	6	355
1231099018	34.4	12.4	-22.0	37.7	0.328	8.81	0.4	< 0.5	58	360	2	19	5	70	1.82	12	< 10	69	< 0.5	< 2	0.79	9	236
1231099033	33.4	17.7	-15.7	36.4	0.485	8.92	0.3	< 0.5	45	332	< 1	15	6	93	1.46	14	< 10	52	< 0.5	< 2	0.92	7	241
1230034220	38.1	8.71	-29.4	41.3	0.211	8.48	0.6	0.7	70	710	1	21	7	277	2.47	13	< 10	48	< 0.5	< 2	0.83	8	264
1230034100	36.1	39.3	3.19	39.8	0.988	8.70	0.4	0.5	54	678	3	19	18	197	1.95	10	< 10	58	< 0.5	7	1.70	7	297
1230034164	15.7	32.8	17.1	19.3	1.70	9.09	0.8	4.1	36	723	< 1	9	48	1230	1.44	12	< 10	109	< 0.5	< 2	1.39	4	205
1230034212	72.6	10.7	-61.9	87.6	0.122	8.20	0.9	23.0	67	984	< 1	16	12	6230	2.51	55	< 10	27	< 0.5	6	0.43	9	208
1230034243	22.5	87.6	65.1	27.3	3.21	8.74	0.3	< 0.5	44	728	< 1	56	4	117	2.52	12	< 10	64	< 0.5	< 2	3.69	18	205
1230034271	39.7	10.6	-29.1	44.1	0.240	8.47	0.8	1.2	98	655	1	19	3	395	2.36	10	< 10	55	< 0.5	7	0.80	8	214
1230034306	56.7	27.8	-28.9	61.9	0.449	8.35	0.7	< 0.5	15	355	1	15	5	41	1.85	19	< 10	39	< 0.5	6	1.24	7	141
v843163							9.4	< 0.5	52	355	19	13	4	55	1.67	< 2	< 10	78	< 0.5	2	1.18	13	13
1119007071	63.3	22.0	-41.3	70.1	0.314	8.36	1.2	0.8	201	975	< 1	23	47	297	2.29	77	< 10	36	< 0.5	< 2	0.97	8	148
2135006054	1.56	25.3	23.8	1.53	16.5	9.40	< 0.2	< 0.5	12	356	< 1	23	< 2	64	2.41	2	< 10	111	< 0.5	< 2	1.76	8	283
1334001041	55.2	62.2	7.01	63.4	0.981	8.72	1.3	< 0.5	129	830	1	41	11	197	3.27	48	< 10	45	< 0.5	< 2	2.92	23	113
1119007099	56.2	63.9	7.67	63.1	1.01	8.82	1.2	1.9	40	1670	< 1	14	343	624	1.76	31	< 10	36	< 0.5	< 2	2.25	7	124
1119007111	56.6	85.8	29.2	63.4	1.35	8.49	0.6	1.8	21	1770	< 1	17	90	505	1.38	34	< 10	28	< 0.5	< 2	2.82	8	162
1231022167	38.3	8.33	-30.0	42.3	0.197	8.52	0.3	< 0.5	111	381	< 1	17	3	83	3.01	12	< 10	52	< 0.5	4	1.17	11	138
1229012019	47.1	14.2	-32.9	52.4	0.271	8.70	0.5	< 0.5	105	549	4	17	2	86	1.42	11	< 10	16	< 0.5	< 2	0.83	7	262
1119007299	74.7	58.2	-16.5	83.3	0.698	8.42	1.9	2.9	56	1110	1	16	38	831	1.18	28	< 10	28	< 0.5	4	2.03	9	195
1231022082	107	14.0	-92.7	119	0.117	8.25	1.3	4.1	162	941	< 1	24	4	1270	3.44	53	< 10	21	< 0.5	5	0.96	16	114
2135006024	0.938	28.2	27.3	0.919	30.7	8.56	< 0.2	< 0.5	12	364	< 1	22	< 2	59	1.51	< 2	< 10	142	< 0.5	< 2	1.53	8	325
1231022001	44.2	6.19	-38.0	48.1	0.129	8.45	0.4	< 0.5	191	337	2	17	2	85	1.91	10	< 10	44	< 0.5	< 2	0.74	7	205
1229012074	55.5	12.1	-43.5	59.7	0.202	8.32	0.3	< 0.5	61	529	3	20	2	57	1.44	10	< 10	37	< 0.5	< 2	0.85	8	357
1231022069	49.0	10.9	-38.0	52.1	0.210	8.46	2.3	< 0.5	65	434	< 1	18	4	133	1.97	18	< 10	40	< 0.5	6	0.81	8	163
1229012056	47.9	22.2	-25.7	52.1	0.427	8.52	0.5	< 0.5	144	483	3	18	3	66	1.25	10	< 10	46	< 0.5	< 2	1.05	7	350
1119007072	56.1	19.7	-36.4	60.9	0.323	8.38	1.5	0.8	184	1020	< 1	25	45	292	2.33	43	< 10	41	< 0.5	< 2	0.87	8	180
1334001997	49.6	104	54.5	59.7	1.74	8.58	0.9	1.9	79	1490	< 1	85	4	466	4.25	21	< 10	61	< 0.5	< 2	4.40	26	173
1231022022	22.8	15.9	-6.92	22.4	0.711	8.83	< 0.2	< 0.5	13	434	< 1	16	< 2	87	2.61	9	< 10	65	< 0.5	< 2	1.34	7	250
2135005002	1.88	46.6	44.7	1.84	25.3	9.64	< 0.2	< 0.5	12	370	1	20	< 2	58	1.46	< 2	< 10	136	< 0.5	< 2	1.92	8	272

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1119007035	60.0	60.1	0.137	70.4	0.854	8.90	9.2	7.6	244	2010	1	16	1180	2130	1.28	44	< 10	37	< 0.5	< 2	2.68	7	135
v843164							3.1	< 0.5	34	279	17	10	16	48	1.41	3	< 10	58	0.5	2	2.07	10	12
1230037240	16.9	17.3	0.426	16.5	1.05	9.17	< 0.2	< 0.5	47	548	< 1	34	3	174	2.40	4	< 10	138	< 0.5	< 2	1.28	9	236
1229014107	50.5	7.52	-43.0	54.8	0.137	8.40	0.6	< 0.5	125	529	< 1	13	9	83	2.93	17	< 10	49	< 0.5	9	0.86	6	134
1229014012	25.9	10.7	-15.3	29.1	0.366	8.80	< 0.2	< 0.5	58	485	1	12	6	92	2.24	5	< 10	65	0.5	< 2	1.29	8	113
1230037080	21.7	17.6	-4.11	24.8	0.707	8.91	0.6	< 0.5	117	535	< 1	21	4	123	1.94	9	< 10	67	< 0.5	< 2	0.93	7	271
1230037145	46.0	13.6	-32.4	50.5	0.270	8.51	1.1	< 0.5	231	469	< 1	16	6	94	2.44	26	< 10	43	< 0.5	6	0.98	7	157
1118001355	35.6	18.3	-17.3	39.5	0.462	8.52	0.6	< 0.5	22	615	< 1	18	19	181	3.43	36	< 10	59	< 0.5	3	1.75	10	205
1229014161	63.0	9.17	-53.8	68.0	0.135	8.32	1.0	< 0.5	141	495	3	12	3	125	2.49	11	< 10	34	< 0.5	4	1.21	7	155
1229014005	2.50	9.69	7.19	2.45	3.95	8.72	< 0.2	< 0.5	110	690	< 1	56	< 2	47	5.38	< 2	< 10	15	< 0.5	< 2	3.67	25	144
1230037162	56.5	4.41	-52.0	60.3	0.0732	8.23	0.8	< 0.5	204	393	1	11	5	93	1.84	13	< 10	30	< 0.5	6	0.35	8	99
1230037252	65.0	6.51	-58.5	71.4	0.0912	7.86	2.0	< 0.5	805	550	< 1	10	12	103	2.26	13	< 10	41	< 0.5	19	0.53	6	113
1230037286	77.7	6.37	-71.3	81.2	0.0785	8.15	0.4	< 0.5	11	198	< 1	15	3	30	1.26	19	< 10	30	< 0.5	6	0.37	6	249
1230037026	26.3	5.66	-20.7	29.7	0.190	7.70	0.4	0.8	82	918	1	13	11	410	2.12	10	11	53	< 0.5	2	0.51	7	178
1230037113	52.0	6.53	-45.4	56.3	0.116	8.39	0.7	3.4	122	491	2	14	5	1190	2.71	24	< 10	39	< 0.5	< 2	0.58	8	172
1230037066	43.4	11.4	-32.0	46.9	0.244	8.11	1.4	< 0.5	251	396	1	17	5	76	2.17	14	< 10	44	< 0.5	4	0.88	8	207
1230037174	41.5	5.96	-35.5	43.8	0.136	8.41	0.8	< 0.5	247	384	< 1	16	5	147	1.97	21	< 10	40	< 0.5	3	0.50	7	197
1230037001	35.9	7.74	-28.2	39.5	0.196	8.70	1.0	< 0.5	255	429	1	15	5	90	2.71	14	10	53	< 0.5	2	0.93	7	177
1118013331	26.6	11.4	-15.2	26.0	0.437	8.71	0.3	< 0.5	33	559	< 1	18	12	165	3.32	41	< 10	46	< 0.5	< 2	1.21	10	206
v843165							2.3	< 0.5	61	417	11	16	5	58	1.77	< 2	< 10	80	< 0.5	3	1.38	16	11
1231024021	59.1	24.6	-34.5	65.2	0.377	8.66	0.5	4.0	149	343	3	24	3	1210	1.30	8	< 10	32	< 0.5	2	1.06	10	221
1231024020	27.6	20.8	-6.78	30.6	0.680	8.73	0.3	0.6	50	485	2	51	5	154	1.61	6	< 10	44	< 0.5	< 2	1.37	13	221
1229005116	78.9	1.73	-77.2	83.0	0.0209	7.58	0.6	< 0.5	31	291	< 1	14	5	99	2.27	32	< 10	27	< 0.5	7	0.35	8	69
1229005061	39.1	11.5	-27.6	38.3	0.300	8.44	0.3	< 0.5	17	360	< 1	11	4	73	2.46	19	< 10	39	< 0.5	< 2	1.14	8	131
1229005137	35.0	6.22	-28.8	34.3	0.181	8.65	1.5	< 0.5	26	981	< 1	11	26	166	1.69	36	< 10	42	< 0.5	< 2	0.72	10	65
1229005090	43.6	30.7	-12.9	46.9	0.656	8.34	0.5	< 0.5	18	687	< 1	11	17	165	2.15	29	< 10	34	< 0.5	2	1.66	6	105
1229005169	53.2	36.7	-16.5	57.0	0.645	8.36	2.3	0.7	38	978	< 1	10	69	270	2.02	33	< 10	38	< 0.5	< 2	2.03	7	81
1231024052	26.0	19.7	-6.33	29.7	0.663	8.69	0.2	< 0.5	82	456	< 1	42	< 2	96	1.86	7	< 10	37	< 0.5	< 2	1.47	14	303
1230030067	55.7	15.5	-40.2	58.8	0.264	8.33	0.3	< 0.5	30	420	< 1	11	6	96	1.78	32	< 10	36	< 0.5	< 2	1.18	7	133
1335001193	22.7	136	113	30.9	4.38	8.63	0.8	< 0.5	172	1040	< 1	67	< 2	283	3.85	11	< 10	66	< 0.5	< 2	4.79	36	141
1335001148	34.0	133	99.0	44.4	3.00	8.30	0.4	0.9	88	1470	< 1	22	4	409	3.51	9	< 10	39	< 0.5	3	4.47	31	83
1230030028	87.6	8.18	-79.4	92.5	0.0884	7.94	0.8	< 0.5	245	508	< 1	16	5	75	2.10	20	< 10	22	< 0.5	15	0.41	7	138
1229005111	21.3	2.46	-18.8	20.8	0.118	8.15	< 0.2	< 0.5	22	315	< 1	25	4	92	1.53	11	< 10	31	< 0.5	< 2	0.21	9	288
1229005069	44.1	65.1	21.0	47.8	1.36	8.49	0.9	1.4	25	1120	1	11	43	473	1.75	39	< 10	43	< 0.5	< 2	2.84	7	111
1229005036	38.2	22.7	-15.5	40.7	0.559	8.41	0.7	< 0.5	41	535	1	10	26	185	2.43	28	21	40	< 0.5	< 2	1.66	6	84
1229005001	16.9	62.0	45.1	16.5	3.75	8.67	0.4	< 0.5	26	614	< 1	35	14	104	2.88	17	< 10	50	< 0.5	< 2	3.02	10	218
1230030127	54.3	16.8	-37.5	58.2	0.288	8.29	0.3	< 0.5	35	379	1	11	5	66	2.58	17	< 10	54	< 0.5	< 2	1.11	7	106
1230030091	53.0	11.1	-41.9	55.4	0.200	8.39	0.4	< 0.5	51	353	2	10	5	53	2.77	19	< 10	39	< 0.5	2	1.17	7	112
1229005131	39.1	24.4	-14.7	42.0	0.580	8.44	1.0	0.9	44	851	< 1	13	45	323	1.83	31	< 10	37	< 0.5	< 2	1.52	6	110
1335001244	24.6	118	92.9	34.3	3.43	8.56	0.4	< 0.5	136	1190	< 1	69	3	203	5.15	18	< 10	46	< 0.5	< 2	4.21	33	137
1335001170	20.6	128	108	29.1	4.41	8.48	0.2	< 0.5	152	1150	< 1	79	< 2	172	5.62	7	< 10	41	0.6	< 2	4.95	35	180
V835766							2.8	< 0.5	32	274	15	11	15	44	1.41	2	< 10	59	0.5	4	2.06	9	12
1120009002	13.8	40.1	26.3	13.5	2.97	9.24	0.3	< 0.5	44	414	< 1	17	< 2	58	1.48	5	< 10	70	< 0.5	< 2	1.72	8	191
1230011124	48.4	23.5	-24.9	52.1	0.452	8.58	< 0.2	< 0.5	23	492	1	11	< 2	109	1.58	15	< 10	51	< 0.5	< 2	1.23	8	135
1120009177	32.6	49.6	17.0	35.8	1.38	8.83	0.3	< 0.5	31	585	1	12	10	112	2.15	29	< 10	51	< 0.5	< 2	2.29	6	121
1120009227	59.9	38.6	-21.2	64.9	0.595	8.70	0.5	0.6	30	1220	< 1	11	73	179	1.57	25	< 10	34	< 0.5	< 2	1.95	8	91
1120009055	59.3	58.4	-0.874	67.1	0.870	8.60	2.2	4.8	76	1180	< 1	18	51	1340	1.14	34	< 10	35	< 0.5	< 2	2.13	7	175
1230011153	38.1	26.6	-11.5	40.7	0.654	8.55	0.6	< 0.5	82	491	< 1	17	3	93	1.21	21	< 10	55	< 0.5	< 2	1.29	7	280
1120010043	53.2	81.2	28.0	60.6	1.34	8.69	1.7	3.0	59	1450	1	23	73	793	1.28	23	< 10	37	< 0.5	< 2	2.66	10	147

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230011075	69.7	10.6	-59.1	74.4	0.142	8.40	0.5	< 0.5	122	557	3	17	< 2	185	1.88	12	< 10	25	< 0.5	5	1.08	10	222
1230011005	34.3	18.4	-15.8	37.1	0.498	8.95	0.4	1.1	68	740	< 1	18	< 2	448	2.07	8	< 10	59	< 0.5	< 2	1.13	8	208
1120009165	42.0	65.4	23.4	45.3	1.44	8.68	2.3	2.8	57	1330	< 1	14	389	805	1.33	44	< 10	30	< 0.5	< 2	2.60	7	138
1230011003	51.7	16.3	-35.4	56.3	0.289	8.79	0.6	1.7	124	672	2	16	3	568	1.96	7	< 10	48	< 0.5	8	1.11	8	160
1120009113	41.6	41.5	-0.0531	46.2	0.897	8.77	0.5	< 0.5	24	731	< 1	14	16	118	1.90	75	< 10	46	< 0.5	< 2	1.87	8	107
1230011002	46.2	20.1	-26.1	50.2	0.401	8.83	0.4	2.3	99	537	3	20	< 2	701	1.57	5	< 10	46	< 0.5	< 2	1.24	7	227
1231024109	60.0	27.5	-32.5	65.8	0.417	8.69	0.4	2.2	117	361	4	18	< 2	693	1.08	7	< 10	37	< 0.5	2	1.19	9	214
1120009122	20.6	42.9	22.2	20.2	2.12	9.05	0.5	< 0.5	16	512	< 1	17	9	78	1.83	31	< 10	46	< 0.5	< 2	2.05	7	165
1120009139	25.6	56.0	30.3	25.1	2.23	9.14	0.5	< 0.5	14	469	< 1	15	4	47	1.77	23	< 10	51	< 0.5	< 2	2.48	8	187
1231024043	57.7	24.6	-33.1	62.5	0.393	8.75	0.5	2.6	119	448	3	20	< 2	868	1.15	7	< 10	33	< 0.5	< 2	1.05	8	243
1229005156	76.6	0.250	-76.3	82.1	0.00304	8.19	4.1	2.3	31	707	< 1	14	41	1060	1.39	47	< 10	31	< 0.5	2	0.36	8	73
1230011006	39.3	10.1	-29.2	42.9	0.236	8.58	0.3	3.1	88	796	< 1	19	2	930	1.85	5	< 10	56	< 0.5	4	0.75	8	275
V835767							2.2	< 0.5	58	412	11	17	6	58	1.75	< 2	< 10	80	< 0.5	< 2	1.37	16	12
1230027188	60.9	8.35	-52.6	65.2	0.128	8.19	0.5	< 0.5	18	553	< 1	10	15	169	2.10	22	< 10	34	< 0.5	3	0.68	7	93
1230027215	68.0	12.6	-55.4	72.3	0.175	8.19	0.6	< 0.5	136	453	2	13	6	136	1.92	16	< 10	36	< 0.5	8	0.76	8	121
1230027305	28.8	6.81	-21.9	28.2	0.242	8.39	< 0.2	< 0.5	35	536	< 1	17	< 2	42	2.38	4	12	54	0.6	< 2	1.07	11	149
1230026021	39.7	16.5	-23.2	44.1	0.375	8.26	1.4	2.2	123	544	1	20	21	642	1.80	13	< 10	51	< 0.5	< 2	0.96	9	123
1230027108	208	4.74	-203	211	0.0224	7.64	0.5	< 0.5	33	288	2	21	10	66	1.41	22	< 10	15	< 0.5	5	0.32	15	135
1230026150	35.9	4.24	-31.7	35.2	0.120	8.33	0.5	< 0.5	22	244	< 1	8	29	187	1.65	27	< 10	42	< 0.5	< 2	0.11	8	41
1230027102	83.3	5.08	-78.2	87.6	0.0580	7.89	0.5	< 0.5	75	335	5	13	8	102	2.01	17	< 10	31	< 0.5	8	0.34	9	79
1230027132	77.5	8.20	-69.3	81.5	0.101	8.08	< 0.2	< 0.5	18	419	< 1	11	5	70	1.98	11	< 10	26	< 0.5	3	0.61	7	107
2137524155	10.0	18.1	8.09	9.80	1.85	8.20	< 0.2	< 0.5	27	421	1	24	3	87	2.35	12	< 10	87	< 0.5	< 2	1.70	10	170
1230027026	95.0	22.9	-72.1	102	0.225	8.26	1.1	1.8	179	474	12	11	3	505	1.67	15	< 10	22	< 0.5	4	1.34	10	107
1229004289	64.2	16.1	-48.0	68.9	0.234	8.53	0.7	1.2	41	449	< 1	14	6	320	1.45	16	< 10	21	< 0.5	< 2	1.00	8	166
1229004314	29.0	2.86	-26.1	31.5	0.0906	8.64	0.6	3.4	66	310	< 1	12	3	883	1.52	9	< 10	23	< 0.5	< 2	0.43	7	141
1229004345	128	14.2	-114	141	0.100	8.31	17.4	18.2	480	416	1	13	10	4760	1.63	101	< 10	15	< 0.5	5	1.03	10	128
1230027201	75.3	12.2	-63.1	80.2	0.153	8.24	0.7	0.6	124	360	2	11	5	133	1.71	12	< 10	21	< 0.5	6	0.82	8	100
1229004221	78.8	18.9	-60.0	87.0	0.217	8.58	1.2	2.3	90	463	1	10	5	658	2.27	10	< 10	26	< 0.5	< 2	1.32	9	54
1229004236	22.2	25.3	3.11	21.7	1.16	8.76	0.3	0.6	33	497	2	13	7	201	2.36	14	< 10	48	< 0.5	< 2	1.80	12	118
1229004278	70.6	37.5	-33.1	78.4	0.478	8.56	1.1	2.7	66	638	< 1	11	5	681	1.94	22	< 10	26	< 0.5	4	1.90	8	86
1229004352	27.8	10.2	-17.6	27.3	0.374	8.73	< 0.2	0.8	32	407	< 1	11	7	223	2.15	18	< 10	41	< 0.5	< 2	1.16	10	79
V835768							2.7	< 0.5	32	249	13	12	13	42	1.15	< 2	< 10	55	< 0.5	< 2	1.97	8	11
1120009021	22.7	48.4	25.7	25.4	1.90	8.96	< 0.2	< 0.5	13	349	< 1	13	6	74	1.47	34	< 10	43	< 0.5	< 2	2.02	6	131
1230011168	47.8	42.0	-5.76	52.4	0.803	8.61	0.3	< 0.5	99	473	4	11	< 2	60	1.05	7	< 10	28	< 0.5	< 2	1.20	9	131
1229004115	12.8	10.6	-2.21	12.6	0.844	8.87	< 0.2	< 0.5	21	383	< 1	6	6	63	2.85	9	< 10	41	< 0.5	< 2	1.57	6	53
1229004190	16.3	22.8	6.58	15.9	1.43	9.02	< 0.2	< 0.5	15	358	< 1	18	9	59	2.40	6	< 10	43	< 0.5	< 2	1.72	9	105
1229004021	11.9	2.99	-8.88	11.6	0.257	8.89	< 0.2	< 0.5	10	261	< 1	8	6	83	2.52	6	< 10	39	< 0.5	< 2	0.77	7	52
1230011139	27.5	19.2	-8.32	27.0	0.712	9.00	< 0.2	1.3	53	543	< 1	10	< 2	436	1.57	5	< 10	49	< 0.5	< 2	1.04	7	116
1120010128	34.5	99.6	65.1	39.5	2.52	8.78	0.8	1.4	47	1260	1	41	145	424	1.60	14	< 10	46	< 0.5	< 2	3.44	13	194
1120010214	56.8	55.2	-1.52	64.9	0.851	8.71	0.6	8.2	90	992	1	13	59	2000	1.17	53	< 10	21	< 0.5	< 2	2.08	7	134
1229004099	12.2	14.0	1.76	11.9	1.17	8.89	< 0.2	< 0.5	45	387	1	8	8	119	2.94	7	< 10	44	< 0.5	< 2	1.91	8	109
1229004144	76.9	21.4	-55.5	83.9	0.255	8.77	0.8	0.9	56	434	< 1	9	2	253	1.92	13	< 10	23	< 0.5	4	1.23	8	81
1229004004	71.6	4.72	-66.8	76.6	0.0617	8.91	0.5	< 0.5	61	373	< 1	10	3	51	2.41	6	< 10	25	< 0.5	6	1.02	8	68
1229004179	34.5	24.4	-10.0	37.7	0.649	8.23	< 0.2	< 0.5	10	523	1	31	2	100	2.43	13	< 10	23	< 0.5	< 2	1.65	14	312
1229004048	15.9	20.0	4.05	15.6	1.28	8.82	< 0.2	< 0.5	14	424	< 1	8	7	93	3.09	7	< 10	43	< 0.5	< 2	2.07	7	51
1229004376	48.3	21.1	-27.3	51.8	0.407	8.61	4.4	0.9	65	744	< 1	9	88	298	1.24	35	< 10	26	< 0.5	< 2	1.04	9	69
2137520160	3.44	10.2	6.80	3.37	3.04	8.79	< 0.2	< 0.5	6	431	< 1	15	3	59	3.19	< 2	< 10	89	< 0.5	< 2	1.82	8	96
1229004366	18.8	6.10	-12.6	18.4	0.332	8.85	< 0.2	< 0.5	17	459	< 1	5	3	74	2.65	9	< 10	43	< 0.5	< 2	1.50	6	66
1229004377	43.4	33.5	-9.95	47.5	0.705	8.60	3.5	0.5	59	1080	< 1	12	66	182	1.75	40	< 10	35	< 0.5	< 2	2.01	16	85

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229004188	18.1	17.4	-0.750	17.8	0.978	8.85	< 0.2	< 0.5	19	398	< 1	17	3	66	2.95	12	< 10	44	< 0.5	< 2	1.63	8	81
1229004119	9.69	9.35	-0.336	9.49	0.985	8.89	< 0.2	< 0.5	29	403	< 1	9	10	89	3.27	13	< 10	50	< 0.5	< 2	2.02	7	63
1229004063	69.1	23.2	-45.9	74.4	0.311	8.92	0.6	1.1	33	451	< 1	10	3	319	2.06	6	< 10	26	< 0.5	< 2	1.43	7	96
1229004173	17.8	17.0	-0.781	17.5	0.976	8.89	0.4	< 0.5	20	316	< 1	8	3	66	2.54	19	< 10	39	< 0.5	< 2	1.35	6	54
1120010044	54.8	62.7	7.94	60.3	1.04	8.89	1.3	2.6	51	1460	< 1	16	98	646	0.81	21	< 10	23	< 0.5	6	2.41	8	184
V835769							9.2	< 0.5	49	332	20	13	7	51	1.58	< 2	< 10	73	< 0.5	< 2	1.16	13	13
1229005015	29.1	28.0	-1.05	28.5	0.984	8.53	0.9	< 0.5	29	756	< 1	15	19	115	2.97	29	< 10	47	< 0.5	2	2.27	8	154
1229005046	60.1	106	45.4	66.2	1.60	8.69	3.7	2.3	68	1330	< 1	33	194	641	1.38	91	< 10	34	< 0.5	2	3.56	11	214
1230030040	57.5	5.71	-51.8	59.7	0.0957	8.17	0.3	< 0.5	71	485	< 1	13	5	66	2.54	11	< 10	27	< 0.5	5	0.54	9	113
1230030005	68.7	4.00	-64.7	71.4	0.0560	8.03	1.1	< 0.5	375	365	< 1	13	4	68	1.93	18	< 10	24	< 0.5	10	0.43	8	116
1230029020	60.0	19.9	-40.1	64.0	0.310	8.46	0.8	< 0.5	151	430	3	13	< 2	249	1.65	9	< 10	34	< 0.5	< 2	1.31	9	179
1229005010	20.9	42.2	21.2	20.5	2.05	8.66	0.4	0.6	18	918	< 1	13	12	153	2.52	15	16	55	< 0.5	< 2	2.30	7	126
1230029071	49.2	19.9	-29.3	53.6	0.370	8.56	0.2	< 0.5	73	399	4	12	< 2	66	1.89	5	< 10	40	0.5	3	1.58	9	153
1335001038	39.2	108	69.0	57.3	1.89	8.34	2.4	3.0	253	1710	< 1	57	< 2	724	4.96	9	< 10	39	< 0.5	4	4.28	30	107
1335001059	66.6	106	39.8	87.0	1.22	8.20	3.0	4.8	318	1640	< 1	41	10	1150	4.12	78	< 10	41	< 0.5	< 2	3.54	41	42
1229005077	53.2	24.6	-28.6	57.6	0.427	8.74	0.8	< 0.5	20	1040	< 1	12	11	166	1.12	51	< 10	34	< 0.5	4	1.00	10	87
1230029101	34.2	14.7	-19.5	38.0	0.386	8.53	< 0.2	1.1	81	490	2	22	< 2	419	3.25	< 2	< 10	63	< 0.5	< 2	2.18	15	133
1230030051	66.1	2.11	-64.0	68.9	0.0306	7.15	1.2	< 0.5	139	457	2	15	9	102	1.43	34	< 10	25	< 0.5	5	0.15	9	179
1230029109	41.7	16.8	-24.9	45.6	0.367	8.42	0.5	0.5	110	478	3	19	< 2	152	2.58	3	< 10	43	< 0.5	< 2	1.85	12	148
1229005188	57.5	7.37	-50.1	62.5	0.118	8.25	2.9	2.2	39	810	1	18	20	613	1.51	38	< 10	32	< 0.5	< 2	0.50	10	111
1230029038	54.1	28.7	-25.3	59.7	0.481	8.50	0.6	1.1	129	377	3	12	< 2	493	1.40	11	< 10	38	< 0.5	< 2	1.55	10	165
V835770							4.1	< 0.5	22	144	7	6	< 2	25	0.69	< 2	< 10	23	< 0.5	< 2	0.63	4	10
1230029051	55.0	14.7	-40.3	60.0	0.244	8.56	0.4	2.3	64	648	2	17	< 2	608	2.02	7	< 10	30	< 0.5	< 2	1.05	9	142
1230028057	108	4.85	-104	115	0.0423	7.84	0.4	< 0.5	41	371	< 1	10	6	55	1.74	13	< 10	19	< 0.5	4	0.27	5	103
1230028105	127	4.35	-123	134	0.0326	7.88	1.0	< 0.5	12	384	1	13	3	60	1.77	19	< 10	13	< 0.5	11	0.22	6	102
1119002184	102	52.5	-49.6	125	0.419	8.27	5.0	17.1	139	968	< 1	28	76	4540	1.65	102	< 10	13	< 0.5	< 2	1.97	8	181
1119001255	25.7	18.5	-7.19	29.7	0.624	8.75	0.7	0.5	32	667	< 1	15	26	236	3.26	34	< 10	49	< 0.5	< 2	2.24	10	183
1230028065	102	36.5	-65.9	108	0.337	8.05	0.6	< 0.5	91	437	< 1	12	5	55	1.71	18	< 10	21	< 0.5	11	0.58	5	142
1230028200	55.2	5.95	-49.3	58.8	0.101	8.16	1.5	< 0.5	351	481	2	13	6	63	2.06	9	< 10	36	< 0.5	10	0.62	7	203
1230028197	117	6.99	-110	123	0.0570	8.06	0.9	< 0.5	25	420	2	14	5	114	1.79	38	< 10	18	< 0.5	8	0.44	8	137
1230028212	63.5	8.96	-54.6	68.3	0.131	8.37	0.6	< 0.5	67	529	< 1	9	2	136	1.89	20	< 10	26	< 0.5	5	0.62	7	92
2135003060	0.000	35.4	35.4	0.000	0.000	9.18	< 0.2	< 0.5	6	324	< 1	24	< 2	48	1.47	2	< 10	110	< 0.5	< 2	1.62	8	460
1230029124	47.8	17.3	-30.5	53.0	0.327	8.62	< 0.2	< 0.5	94	430	2	20	< 2	211	2.40	4	< 10	40	0.6	< 2	1.60	12	111
1230029224	44.5	12.6	-31.9	49.0	0.257	8.65	0.7	0.6	113	439	3	12	< 2	252	1.85	11	< 10	42	< 0.5	< 2	1.35	7	146
1230028147	57.6	14.0	-43.6	62.5	0.223	8.26	1.0	< 0.5	357	545	< 1	10	3	81	2.58	21	< 10	33	< 0.5	5	0.95	7	85
1230029251	2.19	7.57	5.38	2.14	3.53	8.75	0.3	< 0.5	117	466	< 1	51	< 2	45	5.71	< 2	< 10	17	< 0.5	< 2	3.86	20	96
1230028095	65.0	12.2	-52.8	70.4	0.173	8.40	0.8	< 0.5	260	443	< 1	9	4	101	2.89	14	< 10	23	< 0.5	8	0.94	7	58
1230029262	74.2	13.8	-60.4	79.9	0.173	8.39	1.0	3.0	101	430	2	12	3	799	1.92	20	< 10	22	< 0.5	3	1.11	8	130
V835771							3.0	< 0.5	32	262	15	11	17	43	1.30	< 2	< 10	60	< 0.5	< 2	2.05	9	12
1119001317	42.0	21.0	-20.9	45.3	0.464	8.84	0.4	0.8	22	695	< 1	11	34	288	3.28	40	< 10	39	< 0.5	< 2	2.00	10	80
1230029121	6.88	13.8	6.94	6.74	2.05	8.79	0.2	< 0.5	112	767	< 1	57	< 2	88	5.06	< 2	< 10	22	< 0.5	< 2	3.51	24	124
1119001210	39.7	29.1	-10.5	43.5	0.670	8.88	0.9	< 0.5	22	734	< 1	13	45	151	2.13	38	< 10	45	< 0.5	3	1.71	9	120
1230029091	40.6	17.8	-22.8	44.7	0.397	8.75	1.3	2.6	113	585	1	13	< 2	729	2.05	9	< 10	56	< 0.5	< 2	1.13	7	173
1230029137	49.5	13.4	-36.0	53.9	0.249	8.43	0.5	< 0.5	126	350	3	14	< 2	146	1.40	8	< 10	37	< 0.5	< 2	1.08	8	225
1335001083	15.5	63.0	47.5	29.1	2.17	8.01	0.4	< 0.5	31	1650	< 1	5	4	198	3.97	11	< 10	19	< 0.5	3	2.86	18	77
1230027064	69.1	7.46	-61.6	72.9	0.102	8.14	0.6	< 0.5	53	447	1	9	3	95	2.50	17	10	21	< 0.5	4	0.68	7	67
1119001264	26.7	19.1	-7.59	30.0	0.635	8.88	0.7	< 0.5	29	719	< 1	11	35	163	3.59	30	< 10	52	< 0.5	< 2	2.37	9	81
2135001018	2.19	12.5	10.3	2.14	5.82	9.21	< 0.2	< 0.5	9	343	< 1	14	< 2	52	2.22	3	< 10	89	< 0.5	< 2	1.37	9	130
1119001127	11.3	33.6	22.3	11.0	3.04	9.17	0.5	< 0.5	25	658	< 1	18	5	74	2.16	3	< 10	86	< 0.5	2	1.88	8	179

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230029126	56.9	13.6	-43.3	62.2	0.219	8.57	0.4	2.0	113	509	2	17	< 2	622	2.08	7	< 10	28	< 0.5	< 2	1.22	11	104
1230029088	47.6	30.9	-16.7	52.7	0.586	9.05	0.3	0.7	60	570	2	15	< 2	219	1.94	6	< 10	33	< 0.5	< 2	1.51	9	107
1230029190	73.2	21.5	-51.7	82.7	0.260	8.52	1.2	8.7	162	778	2	19	6	2230	2.59	12	< 10	28	< 0.5	< 2	1.91	10	113
1230029904	87.4	19.2	-68.2	97.7	0.196	8.33	1.2	0.8	231	421	7	13	5	277	2.29	9	< 10	20	< 0.5	7	1.37	10	101
1119002196	88.7	9.62	-79.1	99.2	0.0970	8.29	2.1	14.6	112	544	1	17	52	3930	1.52	121	< 10	17	< 0.5	< 2	0.45	10	154
1230029167	4.06	9.31	5.25	3.98	2.34	8.59	< 0.2	< 0.5	123	491	< 1	46	< 2	56	5.74	2	< 10	20	< 0.5	< 2	3.79	19	118
2137520806	2.50	14.0	11.5	2.45	5.73	9.18	0.3	< 0.5	3	590	< 1	16	2	73	3.44	< 2	< 10	130	< 0.5	< 2	2.39	9	146
V835772							2.4	< 0.5	59	405	11	17	7	56	1.76	2	< 10	83	< 0.5	< 2	1.38	15	12

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1119001301	2.23	< 10	< 1	0.18	22	0.52	0.084	0.062	1.05	3	2	44	< 0.01	< 1	< 2	< 10	14	< 10	3	5	0.04	1.09	0.778
1119001110	2.57	< 10	< 1	0.35	16	0.85	0.268	0.046	0.50	< 2	2	140	0.08	2	< 2	< 10	27	< 10	4	8	0.56	0.48	0.252
1230028091	2.49	< 10	< 1	0.19	15	1.29	0.171	0.043	2.00	4	< 1	61	< 0.01	3	< 2	< 10	11	< 10	2	14	0.16	1.94	0.162
1230028037	2.54	< 10	< 1	0.20	15	1.11	0.209	0.044	2.14	< 2	1	98	< 0.01	6	< 2	< 10	12	< 10	2	16	0.16	2.11	0.151
1230028189	3.21	< 10	< 1	0.33	15	1.60	0.122	0.046	2.09	2	1	47	0.01	< 1	< 2	< 10	19	< 10	3	13	0.13	2.05	0.304
1230028129	3.45	< 10	< 1	0.30	16	1.47	0.089	0.049	2.74	4	2	38	< 0.01	5	< 2	< 10	18	< 10	4	18	0.11	2.50	0.274
1119001217	1.99	< 10	< 1	0.25	14	0.97	0.181	0.042	0.84	3	< 1	87	< 0.01	< 1	< 2	< 10	11	< 10	3	8	0.47	0.85	0.105
1229006094	3.18	< 10	< 1	0.17	16	0.95	0.094	0.046	2.51	< 2	1	39	< 0.01	3	< 2	< 10	11	< 10	3	19	0.17	2.49	0.216
1119002151	2.25	< 10	< 1	0.36	17	1.08	0.026	0.039	1.29	3	< 1	32	0.02	2	< 2	< 10	8	< 10	3	14	0.34	1.38	0.402
1229006003	2.57	< 10	< 1	0.18	25	1.13	0.137	0.063	2.25	< 2	1	47	< 0.01	5	< 2	< 10	12	< 10	3	15	0.35	1.85	0.211
1230028138	2.74	< 10	< 1	0.21	15	1.16	0.096	0.040	2.08	2	< 1	35	< 0.01	3	< 2	< 10	10	< 10	2	14	0.15	2.17	0.448
1230028271	3.66	< 10	< 1	0.35	14	1.45	0.171	0.044	2.29	< 2	2	63	0.03	< 1	< 2	< 10	27	< 10	3	13	0.16	2.48	0.373
1119001009	2.40	< 10	< 1	0.51	19	1.09	0.108	0.059	0.57	< 2	3	99	0.10	3	< 2	< 10	30	< 10	4	13	0.53	0.56	0.141
1230028275	2.54	< 10	< 1	0.38	20	1.21	0.139	0.054	1.62	< 2	2	69	0.02	6	< 2	< 10	16	< 10	2	11	0.17	1.73	0.233
1230028240	2.62	< 10	< 1	0.27	16	1.21	0.110	0.043	1.39	< 2	< 1	45	< 0.01	< 1	< 2	< 10	11	< 10	2	9	0.15	1.45	0.156
1119001195	2.65	< 10	< 1	0.26	17	0.91	0.210	0.049	1.18	3	1	78	0.01	2	< 2	< 10	15	< 10	3	10	0.23	1.20	0.220
1230028219	2.54	< 10	< 1	0.27	13	1.49	0.081	0.045	1.64	< 2	< 1	32	< 0.01	< 1	< 2	< 10	13	< 10	2	9	0.09	1.67	0.221
1119001001	2.16	< 10	< 1	0.16	15	0.81	0.088	0.043	0.16	3	2	40	0.04	2	< 2	< 10	24	< 10	4	8	0.44	0.16	0.021
v843151	4.08	< 10	< 1	0.32	11	0.69	0.205	0.075	0.07	< 2	5	30	0.40	9	< 2	< 10	116	< 10	18	10	0.05	0.07	0.975
1119008050	2.18	< 10	< 1	0.27	11	1.12	0.028	0.038	1.18	< 2	< 1	34	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.86	1.17	1.638
1119002001	2.53	< 10	< 1	0.37	21	1.83	0.081	0.080	0.95	3	3	130	0.10	3	< 2	< 10	33	< 10	4	14	0.37	0.94	0.073
1119002031	2.80	< 10	< 1	0.29	22	1.21	0.239	0.062	1.06	2	1	93	0.04	5	< 2	< 10	19	< 10	4	6	0.21	1.02	3.463
1229006006	2.44	< 10	< 1	0.23	19	1.33	0.164	0.052	1.52	< 2	1	62	< 0.01	3	< 2	< 10	12	< 10	3	10	0.48	1.53	0.178
1119008045	2.78	< 10	< 1	0.27	18	0.65	0.030	0.039	2.29	< 2	< 1	29	< 0.01	2	< 2	< 10	6	< 10	2	19	0.34	2.25	0.887
1229006112	2.08	< 10	< 1	0.17	15	1.16	0.117	0.045	1.30	2	1	36	< 0.01	< 1	< 2	< 10	12	< 10	2	10	0.49	1.36	0.187
1229006007	2.41	< 10	< 1	0.23	17	1.07	0.096	0.052	1.84	2	1	44	< 0.01	6	< 2	< 10	10	< 10	3	11	0.65	1.85	0.163
1119008070	1.74	< 10	< 1	0.31	17	1.17	0.056	0.036	0.91	3	< 1	52	0.03	< 1	< 2	< 10	9	< 10	2	10	0.29	0.95	0.323
1119003061	2.69	< 10	< 1	0.35	21	1.20	0.068	0.058	1.48	2	1	58	0.01	< 1	< 2	< 10	15	< 10	4	10	0.57	1.51	0.300
1229006076	2.29	< 10	< 1	0.20	24	1.23	0.148	0.055	0.97	3	1	45	< 0.01	5	< 2	< 10	12	< 10	3	7	0.46	0.99	0.149
1229006130	3.03	< 10	< 1	0.18	24	0.85	0.114	0.062	3.04	3	1	37	< 0.01	3	< 2	< 10	10	< 10	3	21	0.12	2.97	0.056
1119002048	2.89	< 10	< 1	0.24	20	1.04	0.085	0.055	1.53	3	1	38	0.03	3	< 2	< 10	12	< 10	3	10	0.16	1.52	0.343
1119001131	2.28	< 10	< 1	0.17	16	0.85	0.167	0.047	0.42	2	2	101	< 0.01	2	< 2	< 10	16	< 10	4	7	0.85	0.40	0.044
1119002057	2.88	< 10	< 1	0.42	24	1.33	0.115	0.075	1.24	2	2	115	0.05	12	< 2	< 10	20	< 10	5	7	0.51	1.20	0.550
1119002083	2.87	< 10	< 1	0.26	15	1.29	0.037	0.065	1.58	3	2	53	< 0.01	2	< 2	< 10	15	< 10	4	10	0.45	1.61	0.532
1119002064	2.27	< 10	< 1	0.32	20	0.99	0.073	0.053	1.12	< 2	1	50	< 0.01	< 1	< 2	< 10	11	< 10	4	7	0.62	1.17	0.574
1119002093	2.82	< 10	< 1	0.26	20	1.02	0.061	0.053	1.40	4	1	39	0.02	6	< 2	< 10	12	< 10	3	11	0.39	1.51	1.703
1119002110	2.71	< 10	< 1	0.28	13	1.31	0.040	0.040	1.91	3	< 1	33	< 0.01	< 1	< 2	< 10	9	< 10	2	12	0.65	1.98	3.146
1229006054	2.51	< 10	< 1	0.15	18	1.36	0.130	0.053	2.24	2	2	50	< 0.01	< 1	< 2	< 10	14	< 10	3	13	0.46	2.28	0.250
1334001075	8.32	10	< 1	0.05	< 10	2.24	0.117	0.047	0.17	5	16	30	0.15	6	< 2	< 10	433	< 10	9	3	1.26	0.20	< 0.005
v843152	1.57	< 10	< 1	0.08	< 10	0.12	0.162	0.031	0.02	< 2	1	20	0.27	5	< 2	< 10	37	< 10	9	15	0.04	0.02	1.156
1119002204	3.48	< 10	< 1	0.27	11	0.96	0.026	0.044	2.70	2	< 1	22	< 0.01	< 1	< 2	< 10	7	< 10	2	14	0.68	2.56	0.551
1229006103	2.66	< 10	< 1	0.13	19	1.29	0.096	0.051	2.54	3	1	33	< 0.01	5	< 2	< 10	12	< 10	3	15	0.26	2.58	0.114
1119003003	2.05	< 10	< 1	0.27	13	1.03	0.090	0.043	1.16	2	< 1	52	< 0.01	< 1	< 2	< 10	9	< 10	3	9	0.60	1.15	0.097
1119004055	2.59	< 10	< 1	0.34	20	1.14	0.095	0.055	1.65	< 2	1	48	0.05	< 1	< 2	< 10	13	< 10	3	11	0.37	1.61	0.302
1119003035	2.00	< 10	< 1	0.29	16	1.09	0.135	0.054	0.96	< 2	1	82	< 0.01	3	< 2	< 10	12	< 10	4	6	0.44	0.95	0.054
1229006229	2.63	< 10	< 1	0.21	25	1.41	0.119	0.056	2.47	2	2	34	< 0.01	4	< 2	< 10	15	< 10	3	18	0.05	2.44	0.022
1231023057	2.24	< 10	< 1	0.28	38	0.93	0.068	0.061	0.97	< 2	< 1	90	< 0.01	3	< 2	< 10	9	< 10	4	8	0.31	0.96	0.167
1231023106	4.48	< 10	< 1	0.26	14	1.49	0.052	0.044	3.33	< 2	< 1	17	< 0.01	6	< 2	< 10	12	< 10	3	13	0.06	3.40	0.064
1119003020	3.44	< 10	< 1	0.42	< 10	0.91	0.037	0.042	2.87	< 2	< 1	26	< 0.01	< 1	< 2	< 10	9	< 10	2	15	0.74	2.80	1.095
1119003126	1.94	< 10	< 1	0.32	13	1.10	0.169	0.037	0.60	< 2	< 1	62	< 0.01	< 1	< 2	< 10	10	< 10	2	6	0.36	0.61	0.056
1229006242	2.90	< 10	< 1	0.15	20	1.58	0.158	0.063	2.52	2	2	46	< 0.01	< 1	< 2	< 10	17	< 10	4	14	0.62	2.52	0.075

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1231023197	3.63	< 10	< 1	0.27	17	1.50	0.111	0.043	2.68	< 2	< 1	48	< 0.01	< 1	< 2	< 10	13	< 10	2	13	0.11	2.80	0.370
1229006001	2.44	< 10	< 1	0.17	22	1.11	0.199	0.055	2.12	< 2	< 1	82	< 0.01	2	< 2	< 10	10	< 10	3	16	0.26	2.13	0.089
1119003055	3.04	< 10	< 1	0.27	< 10	0.88	0.029	0.041	2.80	4	< 1	20	< 0.01	< 1	< 2	< 10	6	< 10	2	11	0.63	2.78	1.837
1119003107	2.03	< 10	< 1	0.35	< 10	1.05	0.036	0.039	1.56	2	< 1	33	< 0.01	< 1	< 2	< 10	6	< 10	2	10	0.93	1.53	0.300
1119008037	2.13	< 10	< 1	0.33	16	1.01	0.052	0.039	1.09	< 2	< 1	63	0.03	< 1	< 2	< 10	10	< 10	3	13	0.26	1.13	0.192
1119003068	1.94	< 10	< 1	0.25	17	1.08	0.128	0.066	0.59	3	2	79	< 0.01	< 1	< 2	< 10	16	< 10	4	4	0.44	0.63	0.041
1119003123	2.50	< 10	< 1	0.29	18	1.51	0.084	0.067	0.68	< 2	2	130	0.05	< 1	< 2	< 10	30	< 10	4	6	0.74	0.72	0.234
1231023364	4.49	< 10	< 1	0.04	< 10	1.85	0.598	0.020	0.15	2	6	61	0.20	6	< 2	< 10	143	< 10	4	2	0.16	0.17	0.006
1231023467	4.58	< 10	< 1	0.28	16	1.91	0.064	0.035	2.44	2	2	27	0.03	7	< 2	< 10	21	< 10	2	13	0.47	2.49	0.051
1229006171	3.24	< 10	< 1	0.13	23	1.53	0.125	0.069	2.79	3	2	40	< 0.01	1	< 2	< 10	16	< 10	3	17	0.53	2.79	0.147
1229006138	2.60	< 10	< 1	0.13	20	1.21	0.147	0.054	2.57	< 2	1	41	< 0.01	5	< 2	< 10	12	< 10	2	15	0.53	2.53	0.064
v843153	3.61	< 10	< 1	0.24	10	0.56	0.279	0.061	0.06	< 2	4	35	0.44	6	< 2	< 10	98	< 10	19	10	0.01	0.06	1.616
1231023216	2.48	< 10	< 1	0.25	12	0.96	0.104	0.035	1.88	< 2	2	45	0.04	3	< 2	< 10	17	< 10	3	12	0.16	1.94	0.071
1119004083	2.32	< 10	< 1	0.33	19	0.52	0.041	0.052	2.19	4	< 1	20	< 0.01	3	< 2	< 10	6	< 10	3	13	0.41	2.14	> 5.000
1231023001	3.30	< 10	< 1	0.25	14	1.70	0.100	0.044	1.18	< 2	2	47	0.03	3	< 2	< 10	26	< 10	3	10	0.08	1.19	0.063
1231023083	3.48	< 10	< 1	0.30	14	1.39	0.086	0.041	2.45	< 2	1	31	< 0.01	2	< 2	< 10	16	< 10	3	17	0.06	2.42	0.133
1231023235	3.78	< 10	< 1	0.27	15	1.79	0.058	0.044	2.51	2	1	26	< 0.01	4	< 2	< 10	14	39	2	12	0.13	2.55	0.078
1119004139	3.34	< 10	< 1	0.35	< 10	0.82	0.044	0.046	3.27	4	< 1	23	< 0.01	2	< 2	< 10	6	< 10	2	13	0.90	3.15	1.563
1229006204	2.47	< 10	< 1	0.24	19	1.00	0.129	0.051	2.42	2	1	37	< 0.01	3	< 2	< 10	12	< 10	3	19	0.07	2.39	0.031
1229006278	2.60	< 10	< 1	0.16	15	0.95	0.141	0.041	2.01	3	2	52	0.01	2	< 2	< 10	16	< 10	3	15	0.15	1.98	0.221
1231023239	2.68	< 10	< 1	0.24	17	1.23	0.168	0.051	1.64	< 2	1	88	0.04	4	< 2	< 10	18	< 10	2	11	0.16	1.62	0.237
1119004147	3.23	< 10	< 1	0.38	19	0.75	0.059	0.060	2.70	< 2	< 1	26	< 0.01	< 1	< 2	< 10	9	< 10	3	11	0.48	2.64	1.286
1229006207	2.94	< 10	< 1	0.15	26	1.46	0.127	0.072	2.74	3	2	38	< 0.01	7	< 2	< 10	19	< 10	4	14	0.20	2.72	0.148
1119004103	1.94	< 10	< 1	0.32	< 10	0.94	0.097	0.035	1.02	< 2	< 1	63	< 0.01	2	< 2	< 10	6	< 10	2	6	1.06	0.99	0.058
1119004160	3.13	< 10	< 1	0.42	19	0.77	0.056	0.056	2.04	4	1	24	< 0.01	< 1	< 2	< 10	10	< 10	3	11	0.40	2.08	1.026
1119004182	2.31	< 10	< 1	0.40	16	0.59	0.046	0.053	2.12	< 2	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	2	12	0.46	2.13	0.989
1231023026	2.53	10	< 1	0.30	18	1.45	0.371	0.051	1.37	< 2	1	106	< 0.01	7	< 2	< 10	15	47	2	9	0.09	1.39	0.285
1231023114	2.38	< 10	< 1	0.20	17	1.50	0.177	0.050	1.51	< 2	1	61	0.03	6	< 2	< 10	17	< 10	2	9	0.16	1.53	0.110
1119004043	1.93	< 10	< 1	0.28	13	1.25	0.067	0.036	0.97	2	< 1	41	< 0.01	< 1	< 2	< 10	9	< 10	2	5	0.76	0.97	0.902
1119004177	3.26	< 10	< 1	0.40	19	0.56	0.060	0.057	3.00	3	< 1	26	< 0.01	4	< 2	< 10	8	< 10	3	12	0.56	2.91	0.673
1231023128	2.74	< 10	< 1	0.24	13	1.35	0.104	0.041	1.49	2	2	33	0.04	3	< 2	< 10	26	< 10	4	8	0.09	1.48	0.069
1229006168	2.92	< 10	< 1	0.22	26	1.21	0.135	0.064	2.89	< 2	2	43	< 0.01	< 1	< 2	< 10	14	< 10	3	17	0.15	2.74	0.085
2135004206	2.36	< 10	< 1	0.61	22	0.71	0.115	0.053	0.18	< 2	3	45	0.11	10	< 2	< 10	33	< 10	5	18	0.40	0.19	0.005
1229011253	2.71	< 10	< 1	0.22	13	1.75	0.128	0.046	2.59	< 2	1	34	< 0.01	1	< 2	< 10	13	< 10	3	16	0.14	2.56	0.060
1229011167	3.72	< 10	< 1	0.28	13	0.96	0.168	0.038	2.60	< 2	1	129	< 0.01	< 1	< 2	< 10	12	< 10	3	15	0.06	2.54	0.352
v843154	3.19	< 10	< 1	0.26	16	0.43	0.190	0.048	0.04	< 2	3	47	0.27	6	< 2	11	57	< 10	20	10	0.40	0.04	0.738
1119005132	2.21	< 10	< 1	0.20	15	0.77	0.139	0.044	0.20	< 2	2	63	0.03	7	< 2	< 10	23	< 10	4	6	0.53	0.20	0.023
1229013081	2.15	< 10	< 1	0.28	17	0.93	0.117	0.054	0.45	< 2	1	180	0.03	4	< 2	< 10	16	< 10	2	4	0.19	0.44	0.030
1229006281	2.72	< 10	< 1	0.17	14	0.85	0.097	0.043	1.89	< 2	2	28	0.04	2	< 2	< 10	17	< 10	3	16	0.18	1.89	0.259
1119005012	2.41	< 10	< 1	0.28	15	1.07	0.187	0.040	0.58	< 2	2	104	< 0.01	3	< 2	< 10	21	< 10	3	6	0.78	0.60	0.210
1229011016	2.09	< 10	< 1	0.26	15	0.79	0.222	0.042	0.88	3	< 1	103	0.04	< 1	< 2	< 10	12	< 10	3	6	0.32	0.90	0.165
1229013099	2.12	< 10	< 1	0.18	16	0.90	0.092	0.054	0.39	2	1	118	0.03	1	< 2	< 10	15	< 10	2	3	0.15	0.41	0.010
1229011036	2.72	< 10	< 1	0.23	13	0.78	0.227	0.039	1.89	2	1	95	0.03	1	< 2	< 10	14	< 10	3	11	0.14	1.93	0.275
1229011234	2.80	< 10	< 1	0.21	16	0.95	0.149	0.043	2.39	< 2	< 1	81	< 0.01	< 1	< 2	< 10	9	< 10	3	14	0.24	2.46	0.274
1229013142	1.83	< 10	< 1	0.40	15	1.01	0.092	0.048	0.35	< 2	2	65	0.07	5	< 2	< 10	20	< 10	2	7	0.11	0.36	0.020
1229013177	4.54	< 10	< 1	0.08	< 10	1.95	0.549	0.022	0.10	2	6	65	0.19	< 1	< 2	< 10	136	< 10	4	2	0.15	0.11	< 0.005
1229011012	2.57	< 10	< 1	0.26	19	0.93	0.158	0.047	1.35	< 2	2	67	0.03	4	< 2	< 10	17	< 10	3	10	0.49	1.34	0.245
1119005187	1.87	< 10	< 1	0.34	14	0.83	0.137	0.040	0.56	2	1	50	< 0.01	< 1	< 2	< 10	10	< 10	3	7	0.39	0.56	0.055
1229011229	3.73	< 10	< 1	0.17	14	0.83	0.175	0.042	2.60	3	1	81	< 0.01	3	< 2	< 10	12	< 10	3	16	0.08	2.63	0.432
1229013032	2.41	< 10	< 1	0.20	14	1.00	0.069	0.046	1.14	2	1	71	< 0.01	< 1	< 2	< 10	13	< 10	1	6	0.14	1.17	0.050
1119005133	2.35	< 10	< 1	0.17	15	0.84	0.194	0.044	0.38	< 2	2	109	0.02	< 1	< 2	< 10	20	< 10	4	6	0.51	0.40	0.054

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1229013185	4.54	< 10	< 1	0.04	< 10	2.02	0.550	0.019	0.08	< 2	7	66	0.18	< 1	< 2	< 10	137	< 10	4	2	0.13	0.08	< 0.005
1229013063	2.42	< 10	< 1	0.23	16	1.08	0.093	0.048	0.54	< 2	1	125	0.04	< 1	< 2	< 10	18	< 10	2	4	0.19	0.56	0.053
1119005024	2.37	< 10	< 1	0.27	14	0.79	0.101	0.046	1.19	< 2	< 1	49	< 0.01	< 1	< 2	< 10	9	< 10	3	7	0.86	1.17	0.126
v843155	1.61	< 10	< 1	0.08	< 10	0.12	0.164	0.032	0.02	< 2	1	20	0.27	6	< 2	< 10	38	< 10	9	15	0.06	< 0.01	1.151
1119005147	1.92	< 10	< 1	0.24	12	0.76	0.100	0.039	0.59	< 2	< 1	46	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.71	0.55	0.042
1229011269	2.66	< 10	< 1	0.20	14	1.25	0.224	0.044	2.42	< 2	< 1	128	< 0.01	< 1	< 2	< 10	10	< 10	2	13	0.28	2.45	0.272
1231023028	2.92	< 10	< 1	0.35	12	1.23	0.098	0.038	2.26	2	1	34	< 0.01	1	< 2	< 10	11	< 10	2	14	0.21	2.21	0.104
1231023126	2.79	< 10	< 1	0.27	14	1.37	0.084	0.038	1.75	< 2	1	30	0.01	4	< 2	< 10	14	< 10	3	13	0.05	1.79	0.455
1229011142	3.08	< 10	< 1	0.28	13	0.82	0.299	0.040	2.04	6	< 1	133	0.01	3	< 2	< 10	12	< 10	3	11	0.07	2.08	0.935
1229006275	2.77	< 10	< 1	0.21	24	1.55	0.126	0.071	2.59	2	2	37	0.01	12	< 2	< 10	18	< 10	4	11	0.15	2.67	0.101
2137502050	2.35	10	< 1	0.62	19	1.11	0.413	0.045	0.15	2	2	154	0.10	5	< 2	< 10	31	< 10	5	13	0.12	0.15	0.005
1231023172	3.20	< 10	< 1	0.26	12	1.61	0.103	0.037	2.33	< 2	1	40	0.01	4	< 2	< 10	12	< 10	3	8	0.11	2.41	0.118
1229011246	2.28	< 10	< 1	0.19	17	1.18	0.186	0.054	0.42	2	1	163	< 0.01	5	< 2	< 10	15	< 10	2	4	0.15	0.41	0.016
1119004001	2.25	< 10	< 1	0.43	< 10	0.78	0.041	0.044	1.92	2	< 1	25	< 0.01	< 1	< 2	< 10	7	< 10	2	10	0.96	1.86	1.001
1119004018	1.84	< 10	< 1	0.32	12	1.00	0.104	0.038	0.67	< 2	< 1	47	< 0.01	4	5	< 10	9	< 10	2	6	0.60	0.65	0.089
1229011147	3.34	< 10	< 1	0.29	13	0.91	0.172	0.040	2.18	< 2	< 1	107	< 0.01	6	< 2	< 10	11	< 10	3	13	0.09	2.26	0.643
1229011193	3.12	< 10	< 1	0.24	13	1.03	0.188	0.040	2.40	< 2	< 1	126	< 0.01	< 1	< 2	< 10	11	< 10	3	13	0.09	2.46	0.525
1119004031	2.38	< 10	< 1	0.41	< 10	1.03	0.040	0.042	1.89	2	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	2	9	1.05	1.81	1.160
1229011114	2.22	< 10	< 1	0.21	17	0.98	0.160	0.054	0.53	3	1	151	0.02	6	< 2	< 10	15	< 10	3	7	0.11	0.57	0.010
1229013010	2.01	< 10	< 1	0.29	15	1.01	0.170	0.047	0.24	3	1	190	0.02	< 1	< 2	< 10	15	< 10	2	3	0.20	0.26	0.017
1229011019	2.11	< 10	< 1	0.33	14	0.80	0.101	0.041	0.87	5	2	36	0.08	< 1	< 2	< 10	19	< 10	3	9	0.24	0.76	0.030
1229011108	2.01	< 10	< 1	0.27	16	0.88	0.150	0.054	0.52	< 2	< 1	102	< 0.01	< 1	< 2	< 10	12	< 10	3	5	0.06	0.51	0.012
v843156	2.38	< 10	< 1	0.29	16	0.44	0.212	0.037	0.06	< 2	3	34	0.28	7	< 2	< 10	52	< 10	16	16	0.01	0.06	1.950
1119005102	2.64	< 10	< 1	0.30	18	0.81	0.060	0.058	1.77	< 2	< 1	22	< 0.01	6	< 2	< 10	9	< 10	2	9	0.26	1.73	0.744
1229011046	2.85	< 10	< 1	0.25	14	0.81	0.236	0.041	1.89	3	1	99	0.03	< 1	< 2	< 10	17	< 10	3	15	0.16	1.87	0.212
1229012139	2.68	< 10	< 1	0.16	12	0.73	0.189	0.038	1.70	3	1	71	0.03	< 1	< 2	< 10	15	< 10	3	11	0.23	1.67	0.695
1119005173	1.96	< 10	< 1	0.22	13	1.07	0.206	0.039	1.13	3	< 1	102	< 0.01	< 1	< 2	< 10	9	< 10	3	9	0.49	1.10	0.025
1119005229	3.21	< 10	< 1	0.27	21	0.71	0.047	0.059	2.60	3	< 1	21	< 0.01	< 1	< 2	< 10	8	< 10	3	9	0.44	2.43	2.632
1119007028	2.46	< 10	< 1	0.31	< 10	0.90	0.036	0.044	2.32	4	< 1	31	< 0.01	< 1	< 2	< 10	6	< 10	2	11	0.92	2.22	0.239
1119007092	2.66	< 10	< 1	0.32	13	1.53	0.043	0.062	1.60	2	2	77	< 0.01	4	< 2	< 10	19	< 10	3	8	1.04	1.63	0.881
1334001048	8.83	10	< 1	0.26	< 10	2.63	0.129	0.059	1.36	3	13	52	0.11	3	< 2	< 10	170	< 10	11	5	1.92	1.56	0.316
1119007009	4.19	< 10	< 1	0.31	14	1.03	0.027	0.042	2.44	3	< 1	16	0.01	< 1	< 2	< 10	8	< 10	2	15	0.35	2.48	1.364
1119007062	2.80	< 10	< 1	0.30	13	1.10	0.032	0.039	1.60	4	< 1	25	< 0.01	4	< 2	< 10	8	< 10	2	10	0.72	1.59	1.033
1229011003	2.66	< 10	< 1	0.30	14	0.43	0.107	0.039	2.45	< 2	1	44	0.01	< 1	< 2	< 10	11	< 10	3	17	0.06	2.36	0.302
1229011131	2.93	< 10	< 1	0.29	15	0.47	0.150	0.043	2.44	< 2	< 1	45	< 0.01	2	< 2	< 10	9	< 10	3	15	0.11	2.42	0.482
1229013106	2.32	< 10	< 1	0.24	16	1.18	0.092	0.053	0.62	< 2	1	98	0.01	< 1	< 2	< 10	16	< 10	2	5	0.15	0.63	0.016
1229013113	4.68	< 10	< 1	0.05	< 10	2.02	0.674	0.022	0.10	< 2	7	66	0.19	6	< 2	< 10	147	< 10	4	2	0.10	0.03	< 0.005
1229013160	4.51	< 10	< 1	0.04	< 10	2.26	0.549	0.018	0.08	3	8	68	0.17	7	< 2	< 10	138	13	4	2	0.16	0.08	< 0.005
1119005033	1.99	< 10	< 1	0.23	12	1.11	0.185	0.039	0.69	2	1	89	< 0.01	< 1	< 2	< 10	12	< 10	3	7	0.60	0.70	0.020
1229013199	2.73	< 10	< 1	0.45	13	1.48	0.078	0.051	0.42	2	5	50	0.01	< 1	< 2	< 10	43	< 10	3	3	0.15	0.45	0.008
1119005038	2.61	< 10	< 1	0.26	20	0.60	0.067	0.057	1.94	2	< 1	27	< 0.01	1	< 2	< 10	8	< 10	3	9	0.42	1.93	0.604
1229013254	4.74	< 10	< 1	0.07	< 10	2.38	0.457	0.021	0.14	< 2	8	79	0.19	1	< 2	< 10	139	< 10	4	2	0.26	0.14	0.006
1229011048	3.08	< 10	< 1	0.21	13	0.89	0.237	0.040	2.25	< 2	1	86	0.04	3	< 2	< 10	17	< 10	3	14	0.09	2.15	0.402
1229013223	3.23	< 10	< 1	0.19	14	1.50	0.129	0.047	0.51	3	6	74	0.06	6	< 2	< 10	52	< 10	3	5	0.26	0.51	0.008
v843157	3.46	< 10	< 1	0.23	< 10	0.51	0.258	0.059	0.06	< 2	4	33	0.42	4	< 2	< 10	91	< 10	18	11	0.01	0.06	1.620
1119009024	2.70	< 10	< 1	0.39	< 10	0.42	0.035	0.039	2.33	3	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	2	16	0.38	2.33	0.504
1229012083	2.74	< 10	< 1	0.19	13	0.75	0.259	0.040	1.86	3	1	112	0.04	< 1	< 2	< 10	17	11	3	12	0.18	1.86	0.240
1119009056	2.52	< 10	< 1	0.42	11	0.45	0.036	0.040	2.04	3	< 1	23	< 0.01	< 1	< 2	< 10	6	< 10	2	14	0.47	2.03	0.226
1229012185	2.57	< 10	< 1	0.16	13	0.78	0.216	0.040	1.67	3	1	83	0.03	< 1	< 2	< 10	16	< 10	3	12	0.12	1.65	0.125
1119010204	1.46	< 10	< 1	0.44	< 10	0.22	0.039	0.039	1.24	3	< 1	47	< 0.01	< 1	< 2	< 10	5	< 10	2	6	1.02	1.21	0.088
1230033348	2.40	< 10	< 1	0.17	14	0.71	0.151	0.040	1.57	< 2	1	64	0.02	< 1	< 2	< 10	14	< 10	3	15	0.25	1.64	0.069

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1334001118	6.61	< 10	< 1	0.26	< 10	2.34	0.365	0.039	2.18	< 2	7	74	0.10	2	< 2	< 10	99	< 10	6	5	1.04	2.33	0.099
1119009049	3.35	< 10	< 1	0.35	14	0.96	0.027	0.045	1.58	< 2	1	15	0.02	< 1	< 2	< 10	9	< 10	3	10	0.13	1.57	0.571
1230033079	2.53	< 10	< 1	0.22	13	0.91	0.113	0.041	1.64	2	1	45	< 0.01	< 1	< 2	< 10	14	< 10	2	10	0.32	1.63	0.074
1119009006	2.28	< 10	< 1	0.45	15	0.95	0.034	0.045	1.22	< 2	1	17	0.03	< 1	< 2	< 10	9	< 10	2	11	0.11	1.29	0.678
1230033278	2.52	< 10	< 1	0.25	15	0.71	0.154	0.043	1.50	< 2	1	47	< 0.01	2	< 2	< 10	12	< 10	3	12	0.21	1.51	0.353
1334001091	6.72	< 10	1	0.24	< 10	2.60	0.203	0.048	1.31	5	7	93	0.07	4	< 2	< 10	103	< 10	8	8	1.49	1.42	0.046
1119010418	1.65	< 10	< 1	0.40	16	1.14	0.045	0.036	1.15	< 2	< 1	31	< 0.01	< 1	< 2	< 10	8	< 10	3	9	0.65	1.20	0.107
1119010288	3.00	< 10	< 1	0.40	17	1.14	0.027	0.039	2.47	3	< 1	23	0.02	4	< 2	< 10	9	< 10	2	23	0.22	2.43	> 5.000
1119010301	2.35	< 10	< 1	0.45	17	1.16	0.033	0.042	1.51	3	< 1	38	0.02	< 1	< 2	< 10	9	< 10	3	10	0.49	1.39	0.223
1230033389	2.10	< 10	< 1	0.21	15	0.62	0.083	0.041	0.78	3	1	29	0.05	< 1	< 2	< 10	14	< 10	3	9	0.36	0.76	0.075
1230035049	2.05	< 10	< 1	0.23	11	1.19	0.152	0.037	1.38	3	1	52	< 0.01	2	< 2	< 10	11	< 10	2	13	0.24	1.35	0.226
1119010365	2.41	< 10	< 1	0.42	16	1.19	0.037	0.039	1.35	2	1	39	0.03	3	< 2	< 10	12	< 10	3	12	0.20	1.33	0.963
1230033182	2.56	< 10	< 1	0.28	13	0.87	0.203	0.038	1.65	< 2	2	88	0.04	< 1	< 2	< 10	19	< 10	3	12	0.24	1.66	0.070
1230033313	2.27	< 10	< 1	0.17	14	0.82	0.131	0.040	1.42	4	1	39	0.01	8	< 2	< 10	15	< 10	3	11	0.30	1.46	0.046
1119010411	1.98	< 10	< 1	0.36	16	2.00	0.072	0.040	0.89	< 2	< 1	50	0.01	< 1	< 2	< 10	11	< 10	2	8	0.30	0.86	0.182
v843158	3.30	< 10	< 1	0.24	10	0.54	0.277	0.061	0.06	< 2	4	35	0.43	1	< 2	< 10	96	< 10	19	11	0.02	0.06	0.122
1230033314	2.55	< 10	< 1	0.17	15	0.91	0.106	0.043	1.56	3	2	34	< 0.01	< 1	< 2	< 10	17	< 10	3	14	0.30	1.50	0.056
1119009139	1.78	< 10	< 1	0.34	16	1.06	0.165	0.038	1.01	2	< 1	66	< 0.01	< 1	< 2	< 10	9	< 10	2	8	0.22	0.96	0.195
1229012195	2.68	< 10	< 1	0.15	14	0.81	0.193	0.041	1.82	< 2	1	71	0.03	< 1	< 2	< 10	16	< 10	3	12	0.15	1.73	0.931
1229012093	2.56	< 10	< 1	0.17	11	0.69	0.103	0.036	1.52	2	1	28	< 0.01	< 1	< 2	< 10	16	< 10	3	13	0.32	1.52	0.056
1231022429	3.49	< 10	< 1	0.31	21	0.82	0.093	0.089	1.68	< 2	2	80	0.04	1	< 2	< 10	24	< 10	4	7	0.12	1.68	0.402
1231022409	2.76	< 10	< 1	0.27	13	0.97	0.109	0.050	0.85	3	3	52	0.07	3	< 2	< 10	35	< 10	4	8	0.12	0.84	0.157
1229012006	2.85	< 10	< 1	0.22	14	0.71	0.156	0.040	1.59	< 2	1	56	< 0.01	< 1	< 2	< 10	13	< 10	3	14	0.14	1.66	0.108
1229012155	2.52	< 10	< 1	0.18	14	0.74	0.114	0.042	1.67	4	2	31	0.03	2	< 2	< 10	16	< 10	3	13	0.13	1.63	0.073
1119007317	2.20	< 10	< 1	0.32	14	0.81	0.244	0.042	1.68	< 2	< 1	61	0.03	< 1	< 2	< 10	9	< 10	2	9	0.35	1.77	0.176
1231022174	3.67	< 10	< 1	0.24	14	1.11	0.123	0.049	1.25	3	2	68	0.06	3	< 2	< 10	32	< 10	4	7	0.08	1.14	0.247
2135005164	2.16	< 10	< 1	0.61	14	0.77	0.141	0.040	0.27	3	2	40	0.08	< 1	< 2	< 10	27	< 10	4	12	0.32	0.27	< 0.005
1230033468	2.36	< 10	< 1	0.20	14	0.68	0.093	0.041	1.18	3	1	33	< 0.01	2	< 2	< 10	14	< 10	3	11	0.34	1.17	0.083
1119009112	3.98	< 10	< 1	0.33	15	0.60	0.028	0.040	3.09	4	< 1	9	< 0.01	1	< 2	< 10	7	< 10	3	14	0.12	3.08	0.461
1230033401	2.47	< 10	< 1	0.20	14	0.74	0.088	0.039	1.29	< 2	2	26	0.04	< 1	< 2	< 10	18	< 10	3	13	0.27	1.34	0.100
1230033367	3.32	< 10	< 1	0.18	24	1.09	0.150	0.064	2.03	2	2	57	< 0.01	6	< 2	< 10	23	< 10	4	13	0.29	2.01	0.045
1119009087	2.98	< 10	< 1	0.40	14	0.81	0.029	0.044	1.70	3	1	13	0.02	< 1	< 2	< 10	9	< 10	3	12	0.10	1.75	0.829
1119009101	2.52	< 10	< 1	0.39	16	1.18	0.065	0.041	1.58	4	< 1	46	0.03	1	< 2	< 10	11	< 10	3	20	0.16	1.42	0.946
1334001054	2.96	< 10	< 1	0.30	19	1.20	0.381	0.055	0.58	< 2	3	187	0.05	< 1	< 2	< 10	32	< 10	4	7	0.71	0.54	0.010
1119007190	2.53	< 10	< 1	0.43	11	0.91	0.045	0.042	2.16	3	< 1	24	< 0.01	< 1	< 2	< 10	7	< 10	2	13	0.80	2.09	0.368
v843159	3.67	< 10	< 1	0.24	10	0.55	0.309	0.062	0.06	< 2	4	39	0.46	6	< 2	< 10	100	< 10	19	19	0.03	0.05	1.385
1119007306	2.48	< 10	< 1	0.34	< 10	0.63	0.047	0.044	2.52	6	< 1	23	< 0.01	1	< 2	< 10	5	< 10	2	16	0.66	2.58	1.128
1119007243	2.01	< 10	< 1	0.45	< 10	1.04	0.045	0.042	1.85	< 2	< 1	32	< 0.01	< 1	< 2	< 10	7	< 10	2	14	1.12	1.83	0.258
1229012097	2.68	< 10	< 1	0.19	13	0.78	0.094	0.041	1.83	2	2	27	0.02	< 1	< 2	< 10	16	< 10	3	18	0.17	1.95	0.110
1231022399	2.85	< 10	< 1	0.24	13	0.84	0.337	0.037	1.54	3	1	135	< 0.01	< 1	< 2	< 10	12	< 10	2	12	0.05	1.68	0.229
1334001153	8.48	10	3	0.11	< 10	3.19	0.164	0.044	0.71	3	10	55	0.09	< 1	< 2	< 10	140	< 10	9	5	1.76	0.88	0.036
2135005200	2.26	< 10	< 1	0.60	18	0.82	0.097	0.046	0.58	< 2	2	29	0.09	< 1	< 2	< 10	27	< 10	6	25	0.52	0.58	0.014
1119009001	2.01	< 10	< 1	0.42	12	0.80	0.061	0.037	1.52	2	< 1	34	< 0.01	< 1	< 2	< 10	7	< 10	3	19	0.45	1.66	0.738
1119009017	2.50	< 10	< 1	0.48	13	0.37	0.037	0.043	2.19	3	< 1	23	< 0.01	< 1	< 2	< 10	7	< 10	2	18	0.33	2.09	0.673
1119009070	2.63	< 10	< 1	0.46	15	0.86	0.034	0.047	1.46	3	1	16	0.01	< 1	< 2	< 10	9	< 10	3	14	0.17	1.52	0.352
1119009086	2.80	< 10	< 1	0.49	15	0.70	0.037	0.044	1.67	3	1	16	0.01	1	< 2	< 10	9	< 10	3	14	0.13	1.71	4.484
1119007178	2.14	< 10	< 1	0.41	< 10	1.03	0.046	0.041	1.61	2	< 1	38	< 0.01	< 1	< 2	< 10	7	< 10	2	12	0.97	1.67	0.520
2135006002	2.08	< 10	< 1	0.54	19	0.55	0.115	0.043	0.32	< 2	2	58	0.10	< 1	< 2	< 10	26	< 10	5	21	0.40	0.34	< 0.005
1119007267	2.29	< 10	< 1	0.42	14	1.10	0.044	0.042	1.54	< 2	< 1	25	< 0.01	< 1	< 2	< 10	9	< 10	2	14	0.72	1.64	1.214
1119009193	2.87	< 10	< 1	0.51	16	0.14	0.034	0.041	2.94	5	< 1	10	< 0.01	1	< 2	< 10	6	< 10	2	21	0.06	3.00	0.486
1231022441	3.19	< 10	< 1	0.23	16	1.19	0.146	0.050	1.61	< 2	2	70	0.04	8	< 2	< 10	24	< 10	3	15	0.14	1.65	0.263

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1119007149	2.21	< 10	< 1	0.37	11	0.91	0.045	0.042	1.50	2	< 1	25	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.72	1.58	1.853
1119007611	2.62	< 10	< 1	0.34	< 10	1.28	0.034	0.039	1.91	< 2	< 1	31	< 0.01	< 1	< 2	< 10	6	< 10	2	12	1.46	1.95	2.252
1231022148	3.32	< 10	< 1	0.26	17	0.88	0.167	0.042	1.81	3	1	85	0.01	2	< 2	< 10	14	< 10	2	8	0.07	1.90	0.204
v84160	3.22	< 10	< 1	0.23	< 10	0.54	0.297	0.060	0.06	< 2	4	39	0.46	9	< 2	< 10	99	< 10	18	19	0.03	0.06	0.124
1230035043	2.11	< 10	< 1	0.33	19	1.02	0.232	0.050	1.75	2	< 1	74	< 0.01	2	< 2	< 10	8	< 10	2	14	0.10	1.76	0.092
1119010367	1.77	< 10	< 1	0.44	15	1.03	0.150	0.039	0.95	3	< 1	54	0.02	< 1	< 2	< 10	10	< 10	2	18	0.34	0.99	0.075
1231099257	2.73	< 10	< 1	0.20	14	0.94	0.084	0.041	2.00	3	2	21	0.02	1	< 2	< 10	19	15	3	15	0.17	2.00	0.044
1231099313	3.10	< 10	< 1	0.25	14	1.09	0.085	0.040	2.49	3	2	28	0.03	< 1	< 2	< 10	18	< 10	3	14	0.10	2.50	0.139
1230035082	4.84	< 10	< 1	0.23	14	1.69	0.264	0.059	3.37	4	3	95	0.07	2	< 2	< 10	48	< 10	5	15	0.25	3.44	0.117
1230035141	3.31	< 10	< 1	0.29	13	1.53	0.147	0.042	2.34	4	1	46	< 0.01	< 1	< 2	< 10	15	< 10	3	16	0.14	2.42	0.074
1230035180	3.54	< 10	< 1	0.29	14	1.39	0.169	0.043	2.26	2	1	62	0.01	< 1	< 2	< 10	17	< 10	3	16	0.17	2.46	0.212
1230035109	5.08	< 10	< 1	0.29	17	2.06	0.060	0.038	3.59	3	< 1	20	< 0.01	7	< 2	< 10	12	< 10	2	14	0.06	3.57	0.178
1230033119	2.65	< 10	< 1	0.29	23	0.87	0.101	0.079	1.19	3	2	54	0.02	< 1	< 2	< 10	23	< 10	4	10	0.44	1.24	0.070
1119010338	2.79	< 10	< 1	0.38	16	1.09	0.038	0.041	2.08	< 2	< 1	39	0.03	9	< 2	< 10	10	< 10	3	23	0.15	2.11	1.558
1119010246	2.00	< 10	< 1	0.55	19	1.21	0.071	0.041	1.20	2	1	58	0.03	< 1	< 2	< 10	13	< 10	3	16	0.23	1.20	0.480
1119010313	1.95	< 10	< 1	0.56	15	0.90	0.031	0.035	1.19	3	< 1	28	< 0.01	2	< 2	< 10	9	< 10	2	17	0.53	1.25	> 5.000
1119010215	4.04	< 10	< 1	0.49	13	0.81	0.029	0.039	3.70	5	< 1	15	< 0.01	8	< 2	< 10	8	< 10	2	22	0.16	3.62	0.950
1230003243	2.78	< 10	< 1	0.23	15	0.97	0.114	0.042	1.61	2	2	40	0.01	< 1	< 2	< 10	20	< 10	3	16	0.27	1.56	0.291
1230033305	2.48	< 10	< 1	0.15	13	0.95	0.121	0.042	1.59	3	2	41	0.02	1	< 2	< 10	17	< 10	3	16	0.19	1.66	0.036
1230033196	2.58	< 10	< 1	0.13	15	0.96	0.100	0.043	1.36	4	2	33	< 0.01	2	< 2	< 10	19	< 10	3	15	0.34	1.34	0.252
1119010259	2.89	< 10	< 1	0.34	13	1.12	0.055	0.042	2.11	4	< 1	45	< 0.01	< 1	< 2	< 10	9	< 10	3	19	0.76	2.16	0.500
1230033344	2.75	< 10	< 1	0.21	14	0.91	0.122	0.041	1.82	2	1	39	< 0.01	< 1	< 2	< 10	16	< 10	3	17	0.27	1.82	0.138
v843161	3.31	< 10	< 1	0.27	16	0.45	0.216	0.050	0.04	< 2	3	50	0.30	4	< 2	< 10	62	< 10	21	21	0.41	0.04	0.756
1230033123	2.67	< 10	< 1	0.31	14	0.72	0.073	0.040	1.62	3	1	29	0.02	< 1	< 2	< 10	15	< 10	3	16	0.42	1.60	0.520
1231099075	2.51	< 10	< 1	0.33	18	0.68	0.091	0.047	1.29	< 2	2	28	0.08	5	< 2	< 10	20	< 10	3	18	0.09	1.39	0.189
1231099134	2.23	< 10	< 1	0.30	19	0.75	0.082	0.046	1.36	3	1	25	0.06	3	< 2	< 10	16	10	2	20	0.08	1.42	0.084
1230035034	2.01	< 10	< 1	0.29	18	1.33	0.173	0.045	1.44	3	1	47	0.02	4	< 2	< 10	11	< 10	2	17	0.19	1.39	0.093
1230035124	2.68	< 10	< 1	0.26	15	1.26	0.236	0.050	1.63	3	1	87	0.01	3	< 2	< 10	17	< 10	2	15	0.08	1.67	0.187
1231099100	3.05	< 10	< 1	0.29	15	0.97	0.187	0.043	1.98	< 2	1	81	0.05	< 1	< 2	< 10	15	< 10	3	15	0.14	2.05	1.477
1230035192	3.22	< 10	< 1	0.29	14	1.19	0.188	0.038	2.15	< 2	1	87	< 0.01	8	< 2	< 10	13	< 10	2	17	0.09	2.47	0.332
1230034005	2.50	< 10	< 1	0.35	14	1.28	0.186	0.042	1.51	3	< 1	75	0.02	1	< 2	< 10	12	< 10	2	17	0.18	1.70	0.309
1231099131	2.93	< 10	< 1	0.23	14	0.96	0.167	0.042	1.91	3	1	73	0.05	5	< 2	< 10	14	< 10	2	14	0.14	2.05	1.058
1230034017	4.12	< 10	< 1	0.35	16	1.51	0.057	0.053	2.49	2	2	28	0.03	6	< 2	< 10	26	< 10	4	17	0.15	2.61	0.422
1230034111	4.38	< 10	< 1	0.45	13	2.13	0.141	0.048	1.99	4	3	56	0.06	5	< 2	< 10	39	< 10	5	11	0.09	2.14	0.244
1231099205	3.17	< 10	< 1	0.29	18	1.56	0.091	0.050	1.65	3	2	41	0.04	< 1	< 2	< 10	26	< 10	4	19	0.20	1.70	0.454
1231099228	2.95	< 10	< 1	0.23	12	1.08	0.087	0.042	2.09	2	2	30	0.02	1	< 2	< 10	19	< 10	3	15	0.11	2.17	0.103
1231099227	2.75	< 10	< 1	0.25	15	1.15	0.079	0.042	1.93	2	1	33	0.01	< 1	< 2	< 10	14	< 10	3	17	0.16	1.89	0.161
1230033435	2.64	< 10	< 1	0.16	13	0.86	0.097	0.041	2.15	2	1	30	< 0.01	< 1	< 2	< 10	13	< 10	3	17	0.31	2.18	0.037
1230033188	2.52	< 10	< 1	0.23	13	0.69	0.101	0.039	1.57	3	2	33	0.01	< 1	< 2	< 10	16	< 10	3	14	0.38	1.51	0.185
1230033164	2.87	< 10	< 1	0.13	15	0.93	0.111	0.041	1.84	3	2	30	< 0.01	2	< 2	< 10	19	11	3	16	0.28	1.85	0.188
1230035106	3.49	< 10	< 1	0.30	14	1.95	0.076	0.041	1.98	2	1	23	< 0.01	< 1	< 2	< 10	14	< 10	3	13	0.10	2.03	0.058
1230034050	2.82	< 10	< 1	0.31	16	1.13	0.161	0.048	1.89	3	2	54	0.01	< 1	< 2	< 10	17	< 10	3	16	0.25	1.86	0.194
1231099128	2.94	< 10	< 1	0.22	13	0.97	0.085	0.041	1.92	3	2	25	0.02	1	< 2	< 10	17	13	3	15	0.12	1.95	0.088
1231099194	3.05	< 10	< 1	0.20	15	1.11	0.074	0.042	1.90	2	2	21	0.02	5	< 2	< 10	18	< 10	3	15	0.11	1.94	0.177
1230035186	3.98	< 10	< 1	0.28	14	1.42	0.071	0.046	2.59	3	2	27	0.01	2	< 2	< 10	18	< 10	3	22	0.08	2.65	0.125
1230035069	4.56	< 10	< 1	0.05	< 10	1.91	0.705	0.023	0.25	3	6	67	0.21	< 1	< 2	< 10	136	< 10	4	4	0.09	0.28	0.012
1119010321	1.81	< 10	< 1	0.34	18	1.20	0.063	0.040	0.76	4	< 1	52	0.02	< 1	< 2	< 10	12	< 10	3	11	0.36	0.77	0.160
1230034052	3.38	< 10	< 1	0.32	16	1.47	0.071	0.050	2.00	3	2	28	0.01	2	6	< 10	21	< 10	3	15	0.29	2.10	0.132
1230034076	5.83	< 10	< 1	0.35	13	2.40	0.056	0.069	3.20	3	6	27	0.11	3	< 2	< 10	83	< 10	8	12	0.14	3.16	0.279
v843162	1.64	< 10	< 1	0.08	< 10	0.12	0.186	0.031	0.02	< 2	1	23	0.28	4	< 2	< 10	38	< 10	9	16	0.08	< 0.01	1.169
1230034118	2.93	< 10	< 1	0.39	19	1.21	0.158	0.045	1.36	< 2	1	119	0.02	< 1	< 2	< 10	16	< 10	3	16	0.17	1.32	0.137

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1230034248	4.93	10	< 1	1.62	67	3.07	0.128	0.224	0.41	2	13	173	0.18	2	< 2	< 10	122	< 10	8	5	0.65	0.45	0.212
1230034170	1.75	< 10	< 1	0.40	46	0.56	0.086	0.065	0.49	3	< 1	124	< 0.01	8	< 2	< 10	8	< 10	4	3	0.44	0.52	0.046
1230034213	4.02	< 10	< 1	0.29	14	1.83	0.030	0.045	2.54	3	1	12	< 0.01	< 1	< 2	< 10	16	< 10	3	11	0.09	2.57	0.282
1230034314	5.46	< 10	< 1	0.33	12	2.80	0.036	0.057	3.29	< 2	4	16	0.01	2	< 2	< 10	46	< 10	6	16	0.09	3.46	0.416
1230037178	3.97	< 10	< 1	0.38	12	0.66	0.044	0.040	3.56	< 2	< 1	31	< 0.01	2	< 2	< 10	7	< 10	2	12	0.11	3.38	2.843
1230037235	2.67	< 10	< 1	0.34	16	1.03	0.106	0.048	0.74	< 2	2	53	0.04	5	< 2	< 10	20	< 10	3	6	0.20	0.70	0.243
1230037260	3.05	< 10	< 1	0.30	17	0.81	0.040	0.045	2.42	2	1	24	< 0.01	< 1	< 2	< 10	7	< 10	2	11	0.12	2.38	0.459
1118002014	2.74	< 10	< 1	0.44	20	1.09	0.065	0.055	2.00	2	1	35	< 0.01	4	< 2	< 10	11	< 10	3	14	0.71	2.02	0.397
1230037050	3.30	< 10	< 1	0.42	13	0.77	0.045	0.051	2.15	3	2	23	0.02	5	< 2	< 10	17	< 10	3	10	0.08	2.16	1.431
1231099011	3.15	< 10	< 1	0.31	13	1.43	0.079	0.043	1.92	< 2	1	28	0.01	5	< 2	< 10	15	< 10	3	16	0.08	1.82	0.073
1230034152	2.31	< 10	< 1	0.32	13	0.79	0.090	0.039	1.61	3	1	29	< 0.01	6	< 2	< 10	13	< 10	2	14	0.23	1.54	0.033
1231099018	2.68	< 10	< 1	0.30	16	0.95	0.112	0.046	1.22	4	2	48	0.05	1	< 2	< 10	19	< 10	3	16	0.14	1.23	0.164
1231099033	2.37	< 10	< 1	0.36	17	0.79	0.079	0.044	1.21	8	1	31	0.06	< 1	< 2	< 10	15	< 10	2	16	0.21	1.19	0.164
1230034220	2.82	< 10	< 1	0.31	13	1.19	0.191	0.045	1.38	3	1	72	0.02	< 1	< 2	< 10	14	< 10	3	16	0.10	1.35	0.097
1230034100	2.52	< 10	< 1	0.43	14	1.19	0.117	0.043	1.34	3	2	67	0.03	< 1	< 2	< 10	20	< 10	3	14	0.45	1.30	0.056
1230034164	1.81	< 10	< 1	0.38	42	0.90	0.059	0.063	0.59	7	< 1	90	0.01	6	< 2	< 10	9	< 10	4	3	0.40	0.63	0.061
1230034212	4.37	< 10	< 1	0.30	18	1.99	0.035	0.052	2.87	< 2	2	15	< 0.01	< 1	< 2	< 10	19	< 10	3	13	0.10	2.86	0.156
1230034243	4.20	< 10	< 1	0.27	54	2.21	0.076	0.165	0.88	3	10	93	0.09	< 1	< 2	< 10	82	< 10	8	4	1.05	0.89	0.016
1230034271	3.16	< 10	< 1	0.32	12	1.20	0.140	0.041	1.51	3	2	59	0.02	< 1	< 2	< 10	21	< 10	3	18	0.10	1.44	0.203
1230034306	3.22	< 10	< 1	0.40	13	1.02	0.046	0.043	2.09	< 2	1	27	< 0.01	2	< 2	< 10	12	< 10	2	10	0.35	2.02	0.194
v843163	3.65	< 10	< 1	0.24	10	0.56	0.311	0.060	0.06	< 2	4	39	0.46	10	< 2	< 10	101	< 10	19	16	0.02	0.04	1.632
1119007071	4.87	< 10	< 1	0.40	16	1.42	0.031	0.055	2.33	< 2	2	33	0.05	< 1	< 2	< 10	21	< 10	3	12	0.30	2.29	0.840
2135006054	2.56	< 10	< 1	0.74	18	0.73	0.237	0.043	0.06	2	3	100	0.12	< 1	< 2	< 10	33	< 10	5	16	0.32	0.05	< 0.005
1334001041	4.88	< 10	< 1	0.37	16	1.46	0.280	0.054	2.00	4	4	84	0.07	7	< 2	< 10	57	< 10	6	19	0.79	2.07	0.146
1119007099	2.30	< 10	< 1	0.41	11	1.27	0.062	0.041	2.13	3	< 1	33	< 0.01	< 1	< 2	< 10	8	< 10	2	13	0.87	2.06	0.345
1119007111	2.67	< 10	< 1	0.29	< 10	1.34	0.045	0.044	2.25	2	< 1	33	< 0.01	< 1	< 2	< 10	6	< 10	2	14	1.12	2.07	0.282
1231022167	3.40	< 10	< 1	0.27	25	1.86	0.172	0.109	1.34	< 2	2	120	0.06	6	< 2	< 10	34	< 10	4	7	0.10	1.38	0.069
1229012019	2.69	< 10	< 1	0.37	13	0.76	0.112	0.040	1.69	< 2	2	29	0.04	< 1	< 2	< 10	23	10	3	18	0.18	1.71	0.113
1119007299	2.79	< 10	< 1	0.27	< 10	0.84	0.045	0.041	2.64	2	< 1	26	< 0.01	< 1	< 2	< 10	6	< 10	2	14	0.77	2.72	1.962
1231022082	5.96	< 10	< 1	0.36	< 10	2.73	0.121	0.054	3.91	3	4	46	0.05	3	< 2	< 10	59	< 10	6	16	0.17	3.89	0.144
2135006024	2.32	< 10	< 1	0.73	21	0.81	0.135	0.048	0.05	3	3	73	0.13	2	< 2	< 10	35	< 10	6	20	0.38	0.03	0.006
1231022001	2.76	< 10	< 1	0.24	14	0.92	0.134	0.047	1.57	3	2	59	0.03	3	< 2	< 10	19	< 10	3	13	0.10	1.57	0.135
1229012074	3.06	< 10	< 1	0.26	14	0.80	0.124	0.041	1.98	< 2	2	33	0.04	< 1	< 2	< 10	22	< 10	3	18	0.27	1.95	0.057
1231022069	2.91	< 10	< 1	0.21	14	1.18	0.129	0.048	1.55	13	2	49	0.03	< 1	< 2	< 10	24	< 10	4	15	0.17	1.70	0.093
1229012056	2.66	< 10	< 1	0.17	13	0.66	0.106	0.038	1.62	< 2	2	31	0.02	3	< 2	< 10	17	< 10	3	16	0.28	1.70	0.287
1119007072	4.96	< 10	< 1	0.44	17	1.47	0.029	0.054	2.10	4	2	40	0.04	8	< 2	< 10	20	< 10	3	13	0.25	1.99	4.211
1334001997	6.00	< 10	< 1	0.48	21	2.53	0.385	0.064	1.93	5	8	92	0.11	< 1	< 2	< 10	102	< 10	7	17	1.75	1.95	0.120
1231022022	2.58	< 10	< 1	0.24	16	1.30	0.237	0.054	0.74	2	2	174	0.03	7	< 2	< 10	27	< 10	3	10	0.19	0.73	0.062
2135005002	2.32	< 10	< 1	0.71	22	0.76	0.126	0.046	0.08	3	3	56	0.11	< 1	< 2	< 10	31	< 10	6	18	0.60	0.06	< 0.005
1119007035	2.51	< 10	< 1	0.36	< 10	1.12	0.046	0.040	2.38	21	< 1	34	< 0.01	4	< 2	< 10	7	< 10	2	11	1.09	2.30	1.161
v843164	3.35	< 10	< 1	0.27	16	0.47	0.224	0.049	0.04	< 2	3	51	0.29	2	< 2	< 10	62	< 10	21	16	0.41	0.03	0.738
1230037240	2.54	< 10	< 1	0.49	29	1.41	0.169	0.078	0.54	3	3	113	0.09	< 1	< 2	< 10	33	< 10	4	10	0.17	0.54	0.045
1229014107	3.81	< 10	< 1	0.27	14	0.97	0.163	0.041	1.77	2	1	102	0.01	4	< 2	< 10	14	< 10	2	15	0.15	1.79	0.289
1229014012	2.26	< 10	< 1	0.38	15	0.79	0.136	0.044	1.02	< 2	2	54	0.09	5	< 2	< 10	21	< 10	3	17	0.11	0.95	0.093
1230037080	2.56	< 10	< 1	0.37	13	1.02	0.117	0.039	0.80	3	2	42	0.05	< 1	< 2	< 10	19	< 10	2	15	0.18	0.81	0.192
1230037145	3.01	< 10	< 1	0.40	13	0.99	0.171	0.038	1.63	< 2	1	58	0.02	5	< 2	< 10	15	< 10	2	17	0.13	1.65	0.237
1118001355	2.97	< 10	< 1	0.30	19	0.95	0.163	0.058	1.27	4	2	65	0.02	1	< 2	< 10	23	< 10	4	13	0.25	1.29	0.567
1229014161	3.02	< 10	< 1	0.35	13	0.94	0.205	0.040	2.21	3	1	98	0.05	< 1	< 2	< 10	18	< 10	2	14	0.08	2.22	0.149
1229014005	5.03	< 10	< 1	0.03	< 10	2.30	0.561	0.020	0.08	< 2	8	79	0.23	< 1	< 2	< 10	150	< 10	5	3	0.12	0.08	< 0.005
1230037162	2.84	< 10	< 1	0.40	12	0.70	0.036	0.052	1.99	< 2	1	19	< 0.01	3	< 2	< 10	11	< 10	2	8	0.04	1.97	0.545
1230037252	3.92	< 10	< 1	0.37	15	1.16	0.035	0.046	2.21	< 2	1	22	0.01	1	< 2	< 10	11	< 10	2	8	0.13	2.33	1.994

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1230037286	3.02	< 10	< 1	0.33	15	0.58	0.037	0.043	2.67	2	< 1	16	< 0.01	5	< 2	< 10	7	< 10	1	10	0.07	2.65	0.072
1230037026	2.76	< 10	< 1	0.34	14	0.96	0.035	0.041	1.01	< 2	1	22	< 0.01	1	< 2	< 10	13	< 10	2	7	0.13	0.97	0.702
1230037113	2.66	< 10	< 1	0.24	15	0.98	0.073	0.050	1.89	2	1	70	< 0.01	< 1	< 2	< 10	13	< 10	2	9	0.03	1.84	0.177
1230037066	2.92	< 10	< 1	0.33	15	0.85	0.172	0.042	1.58	< 2	2	54	0.03	< 1	< 2	< 10	19	< 10	2	16	0.14	1.53	0.444
1230037174	2.76	< 10	< 1	0.33	15	0.76	0.069	0.047	1.43	2	2	45	0.02	< 1	< 2	< 10	19	< 10	3	9	0.04	1.43	0.633
1230037001	2.85	< 10	< 1	0.33	14	0.81	0.196	0.041	1.28	3	1	72	0.03	4	< 2	< 10	12	< 10	2	13	0.12	1.29	0.222
1118013331	2.85	< 10	< 1	0.21	20	0.87	0.099	0.059	0.85	3	2	59	< 0.01	< 1	< 2	< 10	18	< 10	3	6	0.15	0.85	0.243
v843165	4.23	< 10	< 1	0.33	12	0.71	0.237	0.075	0.07	< 2	6	34	0.45	4	< 2	< 10	125	< 10	20	18	0.04	0.07	0.990
1231024021	2.92	< 10	< 1	0.17	12	0.98	0.073	0.041	2.10	< 2	2	31	0.03	4	< 2	< 10	22	11	3	14	0.25	2.13	0.051
1231024020	3.27	< 10	< 1	0.20	11	1.01	0.105	0.048	1.05	2	5	45	0.11	2	< 2	< 10	58	< 10	6	10	0.29	1.00	0.121
1229005116	3.43	< 10	< 1	0.27	16	1.01	0.052	0.049	2.78	< 2	< 1	52	< 0.01	< 1	< 2	< 10	9	< 10	2	12	0.01	2.71	1.351
1229005061	2.21	< 10	< 1	0.21	16	0.77	0.090	0.053	1.34	3	< 1	89	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.13	1.25	0.048
1229005137	1.33	< 10	< 1	0.32	17	0.41	0.066	0.054	1.13	< 2	< 1	47	< 0.01	< 1	< 2	< 10	5	< 10	2	9	0.08	1.12	0.061
1229005090	2.20	< 10	< 1	0.23	15	0.93	0.057	0.046	1.52	< 2	< 1	53	< 0.01	1	< 2	< 10	8	< 10	2	8	0.34	1.53	0.126
1229005169	2.05	< 10	< 1	0.30	15	0.50	0.122	0.049	1.96	2	< 1	69	< 0.01	< 1	< 2	< 10	6	< 10	2	14	0.41	1.86	0.091
1231024052	3.43	< 10	< 1	0.18	11	1.08	0.105	0.047	1.04	2	4	48	0.11	2	< 2	< 10	51	< 10	5	9	0.30	0.97	0.065
1230030067	2.43	< 10	< 1	0.25	15	0.87	0.062	0.043	1.90	< 2	< 1	47	0.02	< 1	< 2	< 10	9	< 10	2	14	0.18	1.92	0.231
1335001193	8.62	10	< 1	0.42	12	3.04	0.071	0.070	0.98	3	17	90	0.16	< 1	< 2	< 10	374	< 10	10	11	1.68	1.01	0.138
1335001148	10.5	10	< 1	0.20	< 10	3.13	0.190	0.057	1.26	4	26	100	0.20	4	< 2	< 10	399	< 10	14	6	2.26	1.45	0.014
1230030028	4.02	< 10	< 1	0.26	13	1.10	0.040	0.038	2.99	3	1	28	< 0.01	4	< 2	< 10	9	< 10	2	14	0.06	3.02	0.496
1229005111	1.74	< 10	< 1	0.14	11	0.70	0.044	0.053	0.70	3	2	30	< 0.01	1	< 2	< 10	12	< 10	1	8	< 0.01	0.68	0.021
1229005069	2.09	< 10	< 1	0.29	14	0.85	0.057	0.043	1.50	3	< 1	51	< 0.01	< 1	< 2	< 10	8	< 10	2	8	0.86	1.56	0.071
1229005036	2.10	< 10	< 1	0.32	14	0.81	0.086	0.043	1.29	< 2	< 1	92	0.01	2	< 2	< 10	8	< 10	2	10	0.28	1.33	0.172
1229005001	2.46	< 10	< 1	0.27	18	1.44	0.068	0.059	0.53	2	2	114	0.01	< 1	< 2	< 10	22	< 10	2	4	0.81	0.54	0.034
1230030127	2.51	< 10	< 1	0.26	17	1.02	0.152	0.047	1.84	2	1	98	< 0.01	< 1	< 2	< 10	9	< 10	2	15	0.19	1.90	0.039
1230030091	2.59	< 10	< 1	0.24	15	1.17	0.088	0.042	1.80	< 2	1	89	0.01	4	< 2	< 10	12	< 10	2	14	0.19	1.81	0.093
1229005131	1.72	< 10	< 1	0.23	17	0.57	0.096	0.052	1.38	< 2	< 1	58	< 0.01	2	< 2	< 10	7	< 10	2	10	0.34	1.37	0.071
1335001244	9.46	10	2	0.24	< 10	3.28	0.464	0.047	1.03	7	15	112	0.14	6	< 2	< 10	331	< 10	8	6	1.61	1.12	0.026
1335001170	9.65	20	< 1	0.20	< 10	2.79	0.381	0.050	0.89	7	17	87	0.15	< 1	< 2	< 10	279	< 10	10	5	1.66	0.95	0.009
V835766	3.33	< 10	< 1	0.27	17	0.44	0.218	0.049	0.04	< 2	3	51	0.29	8	< 2	< 10	62	< 10	21	16	0.40	0.04	0.763
1120009002	2.51	< 10	< 1	0.24	17	0.79	0.089	0.044	0.44	2	2	30	0.04	1	< 2	< 10	23	< 10	4	10	0.48	0.44	0.044
1230011124	2.82	< 10	< 1	0.20	13	0.71	0.145	0.038	1.71	2	1	48	< 0.01	3	< 2	< 10	12	< 10	3	16	0.28	1.70	0.099
1120009177	2.05	< 10	< 1	0.30	13	1.21	0.153	0.039	1.20	2	< 1	63	< 0.01	< 1	< 2	< 10	9	< 10	2	10	0.66	1.17	0.069
1120009227	2.31	< 10	< 1	0.34	12	1.12	0.060	0.045	2.16	< 2	< 1	28	< 0.01	< 1	< 2	< 10	7	< 10	2	15	0.67	2.12	0.129
1120009055	2.40	< 10	< 1	0.30	< 10	0.82	0.050	0.044	2.27	4	< 1	31	< 0.01	< 1	< 2	< 10	6	< 10	2	14	0.86	2.19	1.792
1230011153	2.56	< 10	< 1	0.21	15	0.70	0.073	0.042	1.37	3	1	25	0.01	1	< 2	< 10	13	< 10	3	19	0.31	1.33	0.065
1120010043	2.50	< 10	< 1	0.39	10	1.18	0.047	0.050	2.01	4	1	46	< 0.01	5	< 2	< 10	9	< 10	2	12	1.11	1.98	0.785
1230011075	3.47	< 10	< 1	0.18	13	0.93	0.217	0.043	2.54	4	1	87	0.03	< 1	< 2	< 10	18	< 10	3	18	0.14	2.43	0.043
1230011005	2.83	< 10	< 1	0.19	15	0.96	0.159	0.046	1.26	2	2	44	< 0.01	2	< 2	< 10	18	< 10	3	16	0.21	1.21	0.096
1120009165	2.09	< 10	< 1	0.24	< 10	0.96	0.042	0.045	1.45	3	< 1	27	< 0.01	< 1	< 2	< 10	5	< 10	2	10	0.88	1.48	0.372
1230011003	3.09	< 10	< 1	0.16	16	0.97	0.184	0.046	1.79	3	2	55	0.01	< 1	< 2	< 10	17	< 10	3	16	0.18	1.84	0.135
1120009113	2.50	< 10	< 1	0.27	17	0.91	0.086	0.054	1.54	3	< 1	33	< 0.01	2	< 2	< 10	9	< 10	2	10	0.54	1.51	0.231
1230011002	2.63	< 10	< 1	0.16	14	0.77	0.151	0.041	1.68	3	1	45	< 0.01	< 1	< 2	< 10	12	< 10	3	14	0.28	1.64	1.822
1231024109	2.75	< 10	< 1	0.14	14	0.84	0.106	0.041	2.25	2	2	33	< 0.01	< 1	< 2	< 10	15	14	3	16	0.36	2.15	0.051
1120009122	2.22	< 10	< 1	0.19	15	0.86	0.158	0.045	0.67	3	2	76	< 0.01	< 1	< 2	< 10	16	< 10	3	12	0.54	0.66	0.073
1120009139	2.37	< 10	< 1	0.21	13	0.81	0.141	0.043	0.87	4	1	78	< 0.01	3	< 2	< 10	14	< 10	3	9	0.70	0.82	0.085
1231024043	2.72	< 10	< 1	0.12	13	0.95	0.084	0.043	2.08	2	1	30	< 0.01	3	< 2	< 10	14	10	3	15	0.30	2.04	0.040
1229005156	2.65	< 10	< 1	0.28	17	0.64	0.045	0.056	2.59	2	< 1	30	< 0.01	3	< 2	< 10	5	< 10	2	15	0.07	2.68	0.161
1230011006	2.97	< 10	< 1	0.14	19	0.88	0.146	0.050	1.44	3	2	39	< 0.01	2	< 2	< 10	17	< 10	4	18	0.17	1.40	0.118
V835767	4.17	< 10	< 1	0.32	12	0.70	0.233	0.074	0.07	< 2	6	34	0.45	10	< 2	< 10	125	< 10	19	20	0.04	0.07	0.956
1230027188	2.50	< 10	< 1	0.20	15	1.10	0.063	0.049	2.13	3	< 1	52	< 0.01	3	< 2	< 10	8	< 10	2	13	0.07	2.13	0.104

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1230027215	3.63	< 10	< 1	0.19	14	1.01	0.082	0.047	2.31	< 2	1	50	< 0.01	4	< 2	< 10	14	< 10	3	10	0.15	2.36	0.125
1230027305	2.69	< 10	< 1	0.25	13	1.24	0.067	0.045	1.01	< 2	4	34	0.03	< 1	< 2	< 10	30	< 10	3	9	0.21	0.92	0.035
1230026021	2.56	< 10	< 1	0.23	21	1.28	0.073	0.057	1.50	3	2	34	0.04	< 1	< 2	< 10	28	< 10	4	15	0.25	1.44	0.155
1230027108	6.51	< 10	< 1	0.21	15	0.79	0.044	0.051	7.41	3	< 1	19	< 0.01	9	< 2	< 10	7	< 10	2	13	0.03	6.90	0.139
1230026150	1.97	< 10	< 1	0.20	14	1.02	0.076	0.005	1.22	< 2	< 1	26	< 0.01	< 1	< 2	< 10	8	< 10	2	7	< 0.01	1.15	0.128
1230027102	3.33	< 10	< 1	0.22	16	1.10	0.042	0.043	3.02	3	1	33	< 0.01	2	< 2	< 10	10	< 10	3	12	0.14	2.86	0.165
1230027132	2.93	< 10	< 1	0.19	15	1.06	0.049	0.035	2.60	< 2	< 1	39	< 0.01	< 1	< 2	< 10	8	< 10	2	15	0.10	2.66	0.090
2137524155	2.56	< 10	< 1	0.50	20	1.02	0.174	0.054	0.32	< 2	3	114	0.11	< 1	< 2	< 10	37	< 10	4	15	0.26	0.32	0.015
1230027026	3.31	< 10	< 1	0.19	14	1.02	0.120	0.042	3.34	< 2	< 1	49	< 0.01	< 1	< 2	< 10	10	< 10	2	16	0.24	3.33	0.082
1229004289	2.24	< 10	< 1	0.13	16	1.00	0.103	0.044	2.14	< 2	1	43	< 0.01	< 1	< 2	< 10	10	< 10	2	16	0.23	2.25	0.077
1229004314	1.81	< 10	< 1	0.12	< 10	0.83	0.073	0.038	1.01	< 2	1	36	< 0.01	< 1	< 2	< 10	9	< 10	1	13	0.07	1.03	0.121
1229004345	4.10	< 10	< 1	0.21	20	0.80	0.132	0.067	4.49	14	< 1	60	< 0.01	14	< 2	< 10	8	< 10	3	27	0.18	4.62	3.115
1230027201	3.48	< 10	< 1	0.20	12	0.93	0.096	0.041	2.40	< 2	1	71	0.01	3	< 2	< 10	14	< 10	2	12	0.12	2.62	0.331
1229004221	2.83	< 10	< 1	0.14	22	1.06	0.148	0.049	2.73	< 2	1	71	< 0.01	4	< 2	< 10	12	< 10	2	17	0.20	2.84	0.144
1229004236	2.17	< 10	< 1	0.22	15	0.76	0.143	0.048	0.66	3	1	110	0.02	< 1	< 2	< 10	13	< 10	2	7	0.42	0.71	0.073
1229004278	2.60	< 10	< 1	0.19	25	1.07	0.151	0.055	2.56	3	< 1	76	< 0.01	3	< 2	< 10	9	< 10	2	17	0.51	2.56	0.091
1229004352	1.73	< 10	< 1	0.23	17	0.44	0.181	0.046	0.92	< 2	1	157	0.02	< 1	< 2	< 10	10	< 10	2	10	0.14	0.89	0.182
V835768	3.19	< 10	< 1	0.26	15	0.44	0.182	0.048	0.04	< 2	3	46	0.28	9	< 2	< 10	57	< 10	18	21	0.39	0.04	0.716
1120009021	1.73	< 10	< 1	0.25	11	0.99	0.101	0.034	0.86	< 2	< 1	57	< 0.01	< 1	< 2	< 10	9	< 10	2	9	0.66	0.83	0.026
1230011168	2.51	< 10	< 1	0.14	13	0.75	0.074	0.038	1.63	2	2	26	< 0.01	< 1	< 2	< 10	15	10	3	17	0.33	1.71	0.169
1229004115	1.74	< 10	3	0.21	14	0.74	0.110	0.042	0.36	< 2	1	115	0.01	< 1	< 2	< 10	11	< 10	2	6	0.16	0.41	0.018
1229004190	1.97	< 10	< 1	0.20	15	0.90	0.112	0.047	0.47	4	2	111	< 0.01	< 1	< 2	< 10	13	< 10	2	8	0.26	0.52	0.035
1229004021	1.96	< 10	< 1	0.16	16	0.54	0.076	0.053	0.38	< 2	< 1	88	0.02	5	< 2	< 10	12	< 10	2	9	0.02	0.38	0.030
1230011139	2.24	< 10	< 1	0.18	13	0.81	0.143	0.039	0.87	< 2	1	49	< 0.01	3	< 2	< 10	12	< 10	3	13	0.20	0.88	0.099
1120010128	2.56	< 10	< 1	0.28	16	1.58	0.036	0.068	1.18	< 2	3	77	< 0.01	5	< 2	< 10	21	< 10	3	8	1.33	1.29	0.294
1120010214	2.52	< 10	< 1	0.29	< 10	0.85	0.032	0.041	1.98	< 2	< 1	18	< 0.01	< 1	< 2	< 10	6	< 10	2	13	0.73	2.12	0.592
1229004099	1.92	< 10	< 1	0.22	16	0.77	0.117	0.046	0.37	< 2	1	151	0.02	5	< 2	< 10	11	< 10	2	7	0.21	0.39	0.093
1229004144	2.56	< 10	< 1	0.18	20	1.11	0.159	0.048	2.57	< 2	< 1	63	< 0.01	< 1	< 2	< 10	9	< 10	2	22	0.20	2.74	0.048
1229004004	2.74	< 10	< 1	0.20	16	1.24	0.193	0.047	2.51	< 2	1	80	< 0.01	< 1	< 2	< 10	11	< 10	3	23	0.07	2.50	0.075
1229004179	2.38	< 10	< 1	0.14	14	1.20	0.064	0.052	1.11	< 2	2	69	< 0.01	< 1	< 2	< 10	14	< 10	2	9	0.29	1.23	0.054
1229004048	1.97	< 10	< 1	0.21	16	0.87	0.117	0.046	0.47	< 2	1	143	0.01	< 1	< 2	< 10	12	< 10	2	11	0.21	0.51	0.033
1229004376	1.64	< 10	< 1	0.25	13	0.40	0.068	0.044	1.50	3	< 1	46	< 0.01	< 1	< 2	< 10	6	< 10	2	13	0.30	1.69	0.154
2137520160	2.15	< 10	< 1	0.55	15	1.00	0.339	0.044	0.10	< 2	2	172	0.10	< 1	< 2	< 10	30	< 10	3	13	0.19	0.11	0.007
1229004366	1.80	< 10	< 1	0.22	14	0.58	0.149	0.042	0.55	< 2	1	116	0.03	< 1	< 2	< 10	10	< 10	2	9	0.11	0.60	0.035
1229004377	1.54	< 10	< 1	0.30	12	0.38	0.136	0.043	1.44	2	< 1	84	< 0.01	< 1	< 2	< 10	6	< 10	2	13	0.46	1.55	0.147
1229004188	2.20	< 10	< 1	0.23	17	0.97	0.104	0.049	0.58	2	2	108	< 0.01	2	< 2	< 10	15	< 10	2	4	0.20	0.58	0.021
1229004119	1.83	< 10	< 1	0.27	16	0.83	0.146	0.044	0.30	< 2	1	158	0.01	< 1	< 2	< 10	12	< 10	2	5	0.23	0.31	0.021
1229004063	2.26	< 10	< 1	0.15	18	1.11	0.181	0.049	2.22	< 2	< 1	88	< 0.01	2	< 2	< 10	10	< 10	2	19	0.24	2.43	0.108
1229004173	1.87	< 10	< 1	0.23	16	0.66	0.082	0.042	0.56	< 2	1	90	< 0.01	< 1	< 2	< 10	11	< 10	2	5	0.20	0.57	0.866
1120010044	2.12	< 10	< 1	0.29	< 10	1.06	0.038	0.041	1.99	3	< 1	31	< 0.01	1	< 2	< 10	5	< 10	2	11	1.09	1.97	0.370
V835769	3.27	< 10	< 1	0.23	< 10	0.57	0.291	0.058	0.05	< 2	4	36	0.45	6	< 2	< 10	96	< 10	17	16	< 0.01	0.06	1.620
1229005015	2.04	< 10	< 1	0.30	13	0.99	0.174	0.037	0.94	< 2	1	191	0.04	2	< 2	< 10	13	< 10	2	14	0.30	0.93	0.048
1229005046	2.66	< 10	< 1	0.28	13	1.33	0.047	0.050	2.16	5	2	84	< 0.01	< 1	< 2	< 10	14	< 10	3	9	1.32	2.16	0.227
1230030040	3.11	< 10	< 1	0.27	14	1.22	0.050	0.042	1.88	3	1	37	< 0.01	< 1	< 2	< 10	13	< 10	2	15	0.07	1.95	0.212
1230030005	3.09	< 10	< 1	0.22	16	0.97	0.049	0.041	2.39	< 2	1	34	< 0.01	1	< 2	< 10	10	< 10	2	11	0.03	2.33	0.519
1230029020	2.70	< 10	< 1	0.28	13	0.92	0.072	0.041	2.03	2	1	34	0.05	< 1	< 2	< 10	16	< 10	2	17	0.21	2.09	0.291
1229005010	1.90	< 10	< 1	0.33	11	1.01	0.097	0.033	0.66	< 2	< 1	101	0.03	< 1	< 2	< 10	9	< 10	2	11	0.49	0.67	0.029
1230029071	2.51	< 10	< 1	0.33	13	0.96	0.078	0.040	1.71	< 2	2	30	0.06	< 1	< 2	< 10	18	< 10	3	14	0.21	1.75	0.065
1335001038	10.5	20	1	0.33	< 10	2.84	0.284	0.049	1.66	7	26	73	0.20	3	< 2	< 10	476	< 10	11	6	1.83	1.87	0.208
1335001059	11.2	10	3	0.58	< 10	2.62	0.102	0.045	2.52	6	28	57	0.24	< 1	< 2	< 10	546	< 10	10	7	1.47	2.84	0.493
1229005077	2.17	< 10	< 1	0.33	17	0.71	0.049	0.053	1.97	< 2	< 1	38	< 0.01	1	< 2	< 10	6	< 10	3	9	0.39	1.88	0.155

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1230029101	3.10	< 10	< 1	0.37	12	1.39	0.218	0.037	1.23	< 2	4	45	0.15	1	< 2	< 10	56	< 10	4	11	0.16	1.24	0.137
1230030051	3.11	< 10	< 1	0.23	15	0.86	0.034	0.046	2.29	< 2	< 1	18	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.02	2.25	0.690
1230029109	2.79	< 10	< 1	0.33	11	1.11	0.184	0.037	1.54	< 2	3	54	0.09	2	< 2	< 10	37	< 10	3	14	0.19	1.49	0.177
1229005188	2.55	< 10	< 1	0.28	15	0.73	0.058	0.045	2.07	5	1	38	< 0.01	< 1	< 2	< 10	12	< 10	2	10	0.15	2.04	0.139
1230029038	2.66	< 10	< 1	0.25	13	0.85	0.066	0.040	1.99	< 2	1	22	0.04	3	< 2	< 10	16	< 10	2	15	0.35	1.95	0.084
V835770	1.55	< 10	< 1	0.08	< 10	0.13	0.182	0.032	0.02	< 2	1	22	0.30	3	< 2	< 10	39	< 10	8	22	0.06	0.01	1.140
1230029051	2.88	< 10	< 1	0.20	17	1.05	0.199	0.045	1.91	< 2	2	58	0.02	2	< 2	< 10	21	< 10	3	17	0.15	1.96	0.219
1230028057	3.83	< 10	< 1	0.31	15	1.17	0.037	0.044	3.51	2	< 1	16	< 0.01	2	< 2	< 10	8	< 10	2	11	0.03	3.74	0.246
1230028105	4.59	< 10	1	0.36	14	1.32	0.038	0.044	4.38	2	< 1	12	< 0.01	5	< 2	< 10	9	< 10	1	13	0.02	4.36	0.233
1119002184	5.02	< 10	3	0.54	13	1.26	0.040	0.058	4.25	4	3	56	0.03	< 1	< 2	< 10	23	< 10	3	21	0.68	4.09	1.607
1119001255	2.59	< 10	< 1	0.32	22	1.16	0.128	0.055	1.03	< 2	2	69	0.07	2	< 2	< 10	21	< 10	4	6	0.23	0.97	0.417
1230028065	4.06	< 10	< 1	0.28	15	1.17	0.037	0.041	3.47	2	< 1	17	< 0.01	2	3	< 10	9	< 10	2	11	0.11	3.54	0.762
1230028200	3.10	< 10	< 1	0.24	15	1.11	0.111	0.043	1.88	2	1	42	< 0.01	2	< 2	< 10	12	< 10	2	14	0.05	1.92	1.587
1230028197	4.36	< 10	1	0.27	14	1.36	0.044	0.041	3.94	3	< 1	16	< 0.01	5	< 2	< 10	9	< 10	2	14	0.09	4.00	0.405
1230028212	2.71	< 10	< 1	0.30	14	1.40	0.071	0.039	2.23	< 2	< 1	22	< 0.01	1	< 2	< 10	9	< 10	2	15	0.10	2.23	0.135
2135003060	2.28	< 10	< 1	0.70	20	0.80	0.135	0.044	0.01	2	2	50	0.12	< 1	2	< 10	30	< 10	5	20	0.65	< 0.01	< 0.005
1230029124	2.84	< 10	< 1	0.39	21	1.36	0.087	0.052	1.75	< 2	4	42	0.13	4	< 2	< 10	40	< 10	4	17	0.16	1.73	0.089
1230029224	2.31	< 10	< 1	0.29	14	0.89	0.121	0.042	1.61	< 2	2	58	0.08	2	< 2	< 10	19	< 10	3	17	0.15	1.60	0.088
1230028147	3.19	< 10	< 1	0.28	16	1.41	0.079	0.042	1.97	3	< 1	32	< 0.01	< 1	3	< 10	10	< 10	2	15	0.15	2.04	0.252
1230029251	4.44	< 10	2	0.04	< 10	1.99	0.673	0.018	0.07	< 2	7	64	0.23	< 1	< 2	< 10	141	< 10	5	3	0.08	0.07	< 0.005
1230028095	3.01	< 10	< 1	0.25	15	1.36	0.139	0.040	2.29	< 2	1	55	< 0.01	5	< 2	< 10	13	< 10	2	14	0.12	2.30	0.300
1230029262	2.90	< 10	< 1	0.31	14	1.01	0.127	0.042	2.64	< 2	1	45	0.03	1	< 2	< 10	14	< 10	2	19	0.15	2.61	0.139
V835771	3.11	< 10	< 1	0.26	16	0.48	0.213	0.047	0.04	< 2	3	49	0.30	3	< 2	< 10	61	< 10	19	17	0.40	0.04	0.778
1119001317	2.65	< 10	< 1	0.31	20	1.25	0.154	0.056	1.46	< 2	1	70	0.03	1	< 2	< 10	17	< 10	4	5	0.21	1.48	0.170
1230029121	4.87	< 10	2	0.07	< 10	2.52	0.464	0.021	0.21	< 2	9	77	0.24	1	< 2	< 10	134	< 10	5	4	0.15	0.22	0.024
1119001210	2.15	< 10	< 1	0.38	14	0.85	0.151	0.042	1.43	< 2	1	64	< 0.01	2	< 2	< 10	12	< 10	3	10	0.37	1.42	0.223
1230029091	2.33	< 10	< 1	0.22	13	0.98	0.214	0.038	1.38	< 2	1	80	0.02	2	< 2	< 10	16	< 10	2	15	0.17	1.46	0.169
1230029137	2.52	< 10	< 1	0.21	13	0.87	0.098	0.040	1.79	3	1	35	0.03	< 1	< 2	< 10	17	< 10	3	16	0.25	1.76	0.084
1335001083	10.4	20	< 1	0.14	< 10	1.86	0.220	0.120	0.79	4	16	66	0.21	< 1	< 2	< 10	91	< 10	29	15	0.93	0.95	0.018
1230027064	2.46	< 10	< 1	0.20	15	1.19	0.098	0.046	2.36	2	< 1	55	< 0.01	< 1	< 2	< 10	10	< 10	2	11	0.06	2.38	0.066
1119001264	2.60	< 10	< 1	0.38	21	1.24	0.139	0.054	0.97	< 2	2	75	0.08	2	< 2	< 10	23	< 10	4	7	0.23	0.98	0.143
2135001018	2.07	< 10	< 1	0.54	20	0.86	0.175	0.045	0.07	< 2	3	89	0.12	3	< 2	< 10	30	< 10	5	14	0.18	0.07	< 0.005
1119001127	2.09	< 10	< 1	0.33	16	0.96	0.218	0.043	0.35	< 2	2	172	0.06	4	< 2	< 10	25	< 10	4	11	0.38	0.36	0.077
1230029126	2.80	< 10	< 1	0.26	18	1.17	0.151	0.048	2.01	< 2	2	61	0.07	< 1	< 2	< 10	25	< 10	4	19	0.10	2.03	0.232
1230029088	2.59	< 10	< 1	0.21	16	1.18	0.153	0.043	1.58	< 2	2	56	< 0.01	3	< 2	< 10	16	< 10	3	15	0.35	1.72	0.041
1230029190	2.92	< 10	< 1	0.30	18	1.20	0.211	0.049	2.62	< 2	2	68	0.07	2	< 2	< 10	24	< 10	3	18	0.22	2.70	0.184
1230029904	3.25	< 10	< 1	0.30	15	1.24	0.202	0.044	3.33	2	1	58	< 0.01	4	< 2	< 10	13	< 10	3	22	0.20	3.19	0.100
1119002196	3.57	< 10	< 1	0.47	11	0.63	0.037	0.040	3.33	3	< 1	11	< 0.01	2	< 2	< 10	9	< 10	2	16	0.10	3.24	1.137
1230029167	4.46	< 10	2	0.05	< 10	1.87	0.718	0.022	0.11	2	7	67	0.21	3	< 2	< 10	132	< 10	5	3	0.09	0.13	0.036
2137520806	2.10	10	< 1	0.48	15	0.91	0.290	0.043	0.08	< 2	2	223	0.12	3	< 2	< 10	32	< 10	4	12	0.18	0.08	0.009
V835772	3.93	< 10	< 1	0.33	11	0.76	0.240	0.069	0.07	< 2	6	33	0.45	5	7	< 10	125	< 10	18	12	0.03	0.07	0.950

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1119001301	
1119001110	
1230028091	
1230028037	
1230028189	
1230028129	
1119001217	
1229006094	
1119002151	
1229006003	
1230028138	
1230028271	
1119001009	
1230028275	
1230028240	
1119001195	
1230028219	
1119001001	
v843151	
1119008050	
1119002001	
1119002031	
1229006006	
1119008045	
1229006112	
1229006007	
1119008070	
1119003061	
1229006076	
1229006130	
1119002048	
1119001131	
1119002057	
1119002083	
1119002064	
1119002093	
1119002110	
1229006054	
1334001075	
v843152	
1119002204	
1229006103	
1119003003	
1119004055	
1119003035	
1229006229	
1231023057	
1231023106	
1119003020	
1119003126	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229006242	
1231023197	
1229006001	
1119003055	
1119003107	
1119008037	
1119003068	
1119003123	
1231023364	
1231023467	
1229006171	
1229006138	
v843153	
1231023216	
1119004083	7.22
1231023001	
1231023083	
1231023235	
1119004139	
1229006204	
1229006278	
1231023239	
1119004147	
1229006207	
1119004103	
1119004160	
1119004182	
1231023026	
1231023114	
1119004043	
1119004177	
1231023128	
1229006168	
2135004206	
1229011253	
1229011167	
v843154	
1119005132	
1229013081	
1229006281	
1119005012	
1229011016	
1229013099	
1229011036	
1229011234	
1229013142	
1229013177	
1229011012	
1119005187	
1229011229	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229013032	
1119005133	
1229013185	
1229013063	
1119005024	
v843155	
1119005147	
1229011269	
1231023028	
1231023126	
1229011142	
1229006275	
2137502050	
1231023172	
1229011246	
1119004001	
1119004018	
1229011147	
1229011193	
1119004031	
1229011114	
1229013010	
1229011019	
1229011108	
v843156	
1119005102	
1229011046	
1229012139	
1119005173	
1119005229	
1119007028	
1119007092	
1334001048	
1119007009	
1119007062	
1229011003	
1229011131	
1229013106	
1229013113	
1229013160	
1119005033	
1229013199	
1119005038	
1229013254	
1229011048	
1229013223	
v843157	
1119009024	
1229012083	
1119009056	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229012185	
1119010204	
1230033348	
1334001118	
1119009049	
1230033079	
1119009006	
1230033278	
1334001091	
1119010418	
1119010288	11.5
1119010301	
1230033389	
1230035049	
1119010365	
1230033182	
1230033313	
1119010411	
v843158	
1230033314	
1119009139	
1229012195	
1229012093	
1231022429	
1231022409	
1229012006	
1229012155	
1119007317	
1231022174	
2135005164	
1230033468	
1119009112	
1230033401	
1230033367	
1119009087	
1119009101	
1334001054	
1119007190	
v843159	
1119007306	
1119007243	
1229012097	
1231022399	
1334001153	
2135005200	
1119009001	
1119009017	
1119009070	
1119009086	
1119007178	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
2135006002	
1119007267	
1119009193	
1231022441	
1119007149	
1119007611	
1231022148	
v84160	
1230035043	
1119010367	
1231099257	
1231099313	
1230035082	
1230035141	
1230035180	
1230035109	
1230033119	
1119010338	
1119010246	
1119010313	10.4
1119010215	
1230003243	
1230033305	
1230033196	
1119010259	
1230033344	
v843161	
1230033123	
1231099075	
1231099134	
1230035034	
1230035124	
1231099100	
1230035192	
1230034005	
1231099131	
1230034017	
1230034111	
1231099205	
1231099228	
1231099227	
1230033435	
1230033188	
1230033164	
1230035106	
1230034050	
1231099128	
1231099194	
1230035186	
1230035069	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1119010321	
1230034052	
1230034076	
v843162	
1230034118	
1230034248	
1230034170	
1230034213	
1230034314	
1230037178	
1230037235	
1230037260	
1118002014	
1230037050	
1231099011	
1230034152	
1231099018	
1231099033	
1230034220	
1230034100	
1230034164	
1230034212	
1230034243	
1230034271	
1230034306	
v843163	
1119007071	
2135006054	
1334001041	
1119007099	
1119007111	
1231022167	
1229012019	
1119007299	
1231022082	
2135006024	
1231022001	
1229012074	
1231022069	
1229012056	
1119007072	
1334001997	
1231022022	
2135005002	
1119007035	
v843164	
1230037240	
1229014107	
1229014012	
1230037080	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230037145	
1118001355	
1229014161	
1229014005	
1230037162	
1230037252	
1230037286	
1230037026	
1230037113	
1230037066	
1230037174	
1230037001	
1118013331	
v843165	
1231024021	
1231024020	
1229005116	
1229005061	
1229005137	
1229005090	
1229005169	
1231024052	
1230030067	
1335001193	
1335001148	
1230030028	
1229005111	
1229005069	
1229005036	
1229005001	
1230030127	
1230030091	
1229005131	
1335001244	
1335001170	
V835766	
1120009002	
1230011124	
1120009177	
1120009227	
1120009055	
1230011153	
1120010043	
1230011075	
1230011005	
1120009165	
1230011003	
1120009113	
1230011002	
1231024109	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1120009122	
1120009139	
1231024043	
1229005156	
1230011006	
V835767	
1230027188	
1230027215	
1230027305	
1230026021	
1230027108	
1230026150	
1230027102	
1230027132	
2137524155	
1230027026	
1229004289	
1229004314	
1229004345	
1230027201	
1229004221	
1229004236	
1229004278	
1229004352	
V835768	
1120009021	
1230011168	
1229004115	
1229004190	
1229004021	
1230011139	
1120010128	
1120010214	
1229004099	
1229004144	
1229004004	
1229004179	
1229004048	
1229004376	
2137520160	
1229004366	
1229004377	
1229004188	
1229004119	
1229004063	
1229004173	
1120010044	
V835769	
1229005015	
1229005046	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230030040	
1230030005	
1230029020	
1229005010	
1230029071	
1335001038	
1335001059	
1229005077	
1230029101	
1230030051	
1230029109	
1229005188	
1230029038	
V835770	
1230029051	
1230028057	
1230028105	
1119002184	
1119001255	
1230028065	
1230028200	
1230028197	
1230028212	
2135003060	
1230029124	
1230029224	
1230028147	
1230029251	
1230028095	
1230029262	
V835771	
1119001317	
1230029121	
1119001210	
1230029091	
1230029137	
1335001083	
1230027064	
1119001264	
2135001018	
1119001127	
1230029126	
1230029088	
1230029190	
1230029904	
1119002196	
1230029167	
2137520806	
V835772	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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	69	1030	1	25	86	122	7.29	218	< 10	761	0.9	< 2	0.13	11	79
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
GXR-6 Meas							0.3	< 0.5	71	1050	< 1	24	90	124	7.21	223	< 10	780	0.9	3	0.13	12	81
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
GXR-6 Meas							0.3	< 0.5	72	1060	1	25	104	126	7.37	227	< 10	702	0.9	< 2	0.14	9	82
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
GXR-6 Meas							0.3	< 0.5	70	1060	1	24	95	128	7.44	245	< 10	776	0.9	< 2	0.14	11	79
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
GXR-6 Meas							0.3	< 0.5	70	1050	1	26	93	128	7.22	223	< 10	768	0.9	< 2	0.14	11	80
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
BaSO4 Meas																							
BaSO4 Cert																							
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
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SGR-1b Cert																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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																							
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GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
NBM-1 (slight fzz) Meas		43.5				8.49																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.9				8.44																	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.4				8.48																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		41.7				8.38																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		44.6				8.66																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.5				8.64																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.5				8.41																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.4																					
NBM-1 (slight fzz) Cert		46.6																					
NBM-1 (slight fzz) Meas		44.9																					
NBM-1 (slight fzz) Cert		46.6																					
NBM-1 (slight fzz) Meas		44.9																					
NBM-1 (slight fzz) Cert		46.6																					
OREAS 922 (AQUA REGIA) Meas							0.7	< 0.5	2100	736	< 1	31	55	256	3.01	6		74	0.8	6	0.40	18	45
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							1.0	< 0.5	2260	755	< 1	34	54	262	2.95	10		78	0.8	9	0.40	18	46
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							1.0	< 0.5	2330	758	< 1	37	63	264	3.04	5		78	0.8	11	0.43	17	48
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2290	801	< 1	37	62	267	3.07	6		86	0.8	8	0.43	18	46
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	19.4	40.7

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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							0.9	< 0.5	2230	777	< 1	40	59	266	3.13	5		84	0.8	7	0.43	17	48
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2110	751	< 1	35	53	261	2.95	6		69	0.8	4	0.40	17	46
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 923 (AQUA REGIA) Meas							1.6	< 0.5	4630	905	< 1	37	88	354	3.17	7		64	0.7	15	0.42	21	45
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.5	< 0.5	4460	861	< 1	33	77	340	2.97	7		62	0.7	19	0.40	20	42
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							2.3	< 0.5	4480	863	< 1	33	85	341	3.02	8		53	0.7	27	0.43	18	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.8	< 0.5	4590	918	< 1	35	85	363	3.15	7		69	0.8	20	0.44	21	44
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.6	< 0.5	4540	895	< 1	32	81	354	3.11	7		69	0.7	22	0.43	20	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.7	< 0.5	4260	866	< 1	35	79	348	3.01	9		50	0.7	18	0.41	19	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
Oreas 96 (Aqua Regia) Meas							11.4		> 10000				86	443						36		47	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.8		> 10000				82	422						9		45	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua							10.5		> 10000				93	415						86		41	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.2		> 10000				89	444						< 2		44	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							9.9		> 10000				84	418						< 2		41	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.4		> 10000				86	432						< 2		43	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas							62.1	243	3380	524	11	23	> 5000	> 10000	1.78	69			0.6	2	1.62	29	29
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							63.9	238	3320	519	12	21	> 5000	> 10000	1.74	72			0.6	4	1.60	29	30
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							67.6	275	3660	548	14	27	> 5000	> 10000	1.90	79			0.6	10	1.75	32	34
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							68.0	258	3700	561	14	29	> 5000	> 10000	1.91	79			0.6	< 2	1.71	29	33
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							67.8	259	3660	550	13	28	> 5000	> 10000	1.88	80			0.6	< 2	1.69	29	34
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							66.6	257	3620	543	12	27	> 5000	> 10000	1.75	80			0.6	< 2	1.67	29	33
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
OREAS 257 Meas																							
OREAS 257 Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas									343	162	1	232	6	27	7.42			128	1.0	< 2	0.06	33	348
OREAS 45f (Aqua Regia) Cert									336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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																							
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GS316-3 Meas																							
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GS316-3 Meas																							
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GS316-3 Meas																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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																							
1229006003 Orig																							
1229006003 Dup																							
1119001009 Orig							0.8	< 0.5	59	643	1	28	5	130	1.79	8	< 10	62	< 0.5	< 2	2.17	10	147
1119001009 Dup							0.8	< 0.5	61	655	1	29	5	125	1.78	7	< 10	53	< 0.5	< 2	2.18	11	146
1119008050 Orig																							
1119008050 Dup																							
1119002001 Orig																							
1119002001 Dup																							
1119008070 Orig							0.4	1.4	29	795	< 1	12	45	389	2.10	37	< 10	29	< 0.5	< 2	1.48	6	146
1119008070 Dup							0.5	1.3	27	802	< 1	13	51	391	2.10	39	< 10	29	< 0.5	< 2	1.49	6	146
1229006130 Orig																							
1229006130 Dup																							
1119002048 Orig																							
1119002048 Dup																							
v843152 Orig							4.1	< 0.5	22	140	6	7	< 2	25	0.61	< 2	< 10	22	< 0.5	4	0.57	5	8
v843152 Dup							4.2	< 0.5	23	139	7	4	< 2	25	0.59	< 2	< 10	23	< 0.5	5	0.57	5	8
1119002204 Orig																							
1119002204 Dup																							
1119003035 Orig																							
1119003035 Dup																							
1231023106 Orig	93.8	7.74	-86.1	104	0.0743																		
1231023106 Dup	93.8	7.72	-86.1	104	0.0741																		
1231023197 Orig																							
1231023197 Dup																							
1119003055 Orig							2.7	7.9	104	995	< 1	18	594	2230	1.14	83	< 10	18	< 0.5	2	1.76	8	149
1119003055 Dup							3.7	7.8	101	960	1	15	583	2220	1.11	84	< 10	23	< 0.5	3	1.71	7	144
1119003107 Orig																							
1119003107 Dup																							
1229006138 Orig																							
1229006138 Dup																							
1119004083 Orig																							
1119004083 Dup																							
1119004147 Orig						8.70																	
1119004147 Dup						8.73																	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1119004182 Orig							1.5	1.5	121	1110	1	14	179	446	1.32	59	< 10	22	< 0.5	< 2	1.37	9	114
1119004182 Dup							0.8	1.3	109	1020	1	12	164	409	1.19	57	< 10	21	< 0.5	< 2	1.27	8	108
1119004043 Orig																							
1229006168 Orig																							
1229006168 Dup																							
1229006281 Orig																							
1229006281 Dup																							
1119005012 Orig							1.6	< 0.5	68	520	1	18	6	78	2.25	10	< 10	58	< 0.5	3	2.78	7	175
1119005012 Dup							1.5	< 0.5	72	532	1	19	3	80	2.31	12	< 10	61	< 0.5	3	2.83	7	183
1229011036 Orig																							
1229011036 Dup																							
1229013142 Orig	11.3	13.3	2.09	11.0	1.21																		
1229013142 Dup	11.3	13.3	2.10	11.0	1.21																		
1229011229 Orig																							
1229011229 Dup																							
1229013063 Orig							< 0.2	< 0.5	24	588	< 1	10	11	112	3.33	11	12	45	< 0.5	< 2	1.89	8	111
1229013063 Dup							< 0.2	< 0.5	25	600	< 1	11	11	123	3.43	14	12	45	< 0.5	< 2	1.93	8	112
1229011246 Orig																							
1229011246 Dup																							
1229011147 Orig							1.1	< 0.5	182	464	3	13	7	79	2.89	17	< 10	19	< 0.5	< 2	1.38	7	121
1229011147 Dup							0.8	< 0.5	184	488	3	11	6	77	3.06	15	< 10	22	< 0.5	4	1.41	7	125
v843156 Orig																							
v843156 Dup																							
1119005102 Orig																							
1119005102 Dup																							
1119007009 Orig							1.6	3.2	127	1280	1	16	39	1020	1.71	72	< 10	20	< 0.5	2	1.13	6	222
1119007009 Dup							2.8	3.3	123	1250	< 1	18	37	1020	1.69	71	< 10	18	< 0.5	6	1.11	6	220
1119007062 Orig																							
1119007062 Dup																							
1229011003 Orig																							
1229011003 Dup																							
1229013254 Orig	4.38	25.9	21.6	4.29	6.05																		
1229013254 Dup	4.38	26.3	21.9	4.29	6.13																		
1229013223 Orig						8.86																	
1229013223 Dup						8.77																	
1119009024 Orig							1.8	9.4	121	558	< 1	13	9	2070	1.22	97	< 10	19	< 0.5	< 2	1.32	6	176
1119009024 Dup							1.3	9.0	113	550	< 1	12	12	1980	1.15	88	< 10	18	< 0.5	2	1.28	6	168
1119009056 Orig																							
1119009056 Dup																							
1119009006 Orig																							
1119009006 Dup																							
1119010418 Orig																							
1119010418 Dup																							
1119010288 Orig							5.0	29.0	168	739	< 1	11	75	7810	1.71	68	< 10	19	< 0.5	< 2	0.95	6	118
1119010288 Dup							4.4	29.8	176	740	< 1	10	77	7730	1.63	62	< 10	20	< 0.5	< 2	0.93	6	118
1230033313 Orig																							
1230033313 Dup																							
1230033314 Orig																							
1230033314 Dup																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231022409 Orig							0.5	< 0.5	37	339	< 1	22	< 2	137	2.03	5	< 10	49	< 0.5	3	0.98	10	170
1231022409 Dup							0.6	< 0.5	39	336	1	21	< 2	138	1.97	7	< 10	51	< 0.5	7	0.96	10	159
1119007317 Orig																							
1119007317 Dup																							
1119009087 Orig																							
1119009087 Dup																							
1119007190 Orig																							
1119007190 Dup																							
1231022399 Orig	46.9	5.95	-40.9	51.5	0.116																		
1231022399 Dup	46.9	5.87	-41.0	51.5	0.114																		
2135005200 Orig																							
2135005200 Dup																							
1119009070 Orig							1.0	4.0	66	633	< 1	15	37	993	1.76	79	< 10	49	< 0.5	< 2	0.73	7	139
1119009070 Dup							1.0	3.7	61	595	< 1	15	35	952	1.66	74	< 10	45	< 0.5	< 2	0.70	6	130
1119009086 Orig																							
1119009086 Dup																							
1119007149 Orig																							
1119007149 Dup																							
1230035043 Orig																							
1230035043 Dup																							
1231099313 Orig							0.7	4.9	178	353	3	19	2	1510	1.40	9	< 10	33	< 0.5	2	0.55	9	311
1231099313 Dup							0.5	4.9	175	343	3	19	< 2	1470	1.42	6	< 10	36	< 0.5	< 2	0.54	9	302
1119010313 Orig						9.04																	
1119010313 Dup						9.04																	
1119010259 Orig							2.7	1.8	52	1280	< 1	15	270	695	1.78	106	< 10	38	< 0.5	3	2.21	7	188
1119010259 Dup							2.3	1.8	49	1250	< 1	14	271	677	1.70	102	< 10	36	< 0.5	3	2.18	7	191
1231099134 Orig																							
1231099134 Dup																							
1231099205 Orig							0.4	1.0	75	434	1	21	< 2	314	1.97	9	< 10	58	< 0.5	3	0.97	8	261
1231099205 Dup							0.3	0.9	79	432	< 1	18	3	313	1.97	11	< 10	63	< 0.5	< 2	0.97	8	260
1231099228 Orig																							
1231099228 Dup																							
1231099227 Orig	53.2	12.6	-40.6	57.9	0.218																		
1231099227 Dup	53.2	12.9	-40.3	57.9	0.224																		
1119010321 Orig																							
1119010321 Dup																							
1230034118 Orig							0.9	1.1	81	780	< 1	11	6	365	2.37	15	< 10	48	< 0.5	4	1.01	8	151
1230034118 Dup							0.8	1.1	85	780	< 1	14	6	376	2.41	15	< 10	55	< 0.5	4	1.02	8	152
1230037260 Orig																							
1230037260 Dup																							
1231099011 Orig																							
1231099011 Dup																							
1230034220 Orig							0.7	0.7	67	707	1	20	8	276	2.47	14	< 10	50	< 0.5	< 2	0.83	8	265
1230034220 Dup							0.6	0.8	74	714	1	21	7	279	2.48	12	< 10	47	< 0.5	7	0.82	8	263
1230034212 Orig																							
1230034212 Dup																							
1230034306 Orig																							
1230034306 Dup																							
1231022167 Orig							0.3	< 0.5	115	393	< 1	17	2	84	3.09	11	< 10	52	< 0.5	3	1.20	11	143

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231022167 Dup							0.3	< 0.5	106	370	< 1	17	3	81	2.93	13	< 10	52	< 0.5	5	1.14	10	134
1229012019 Orig																							
1229012019 Dup																							
1231022069 Orig	49.0	10.9	-38.0	52.1	0.210																		
1231022069 Dup	49.0	11.0	-38.0	52.1	0.210																		
1229012056 Orig																							
1231022022 Orig						8.81																	
1231022022 Dup						8.84																	
1230037240 Orig							< 0.2	< 0.5	46	556	< 1	35	3	170	2.43	6	< 10	141	< 0.5	< 2	1.29	9	236
1230037240 Dup							< 0.2	< 0.5	48	540	2	33	2	178	2.37	3	< 10	136	< 0.5	< 2	1.27	9	237
1230037080 Orig																							
1230037080 Dup																							
1229014005 Orig																							
1229014005 Dup																							
1230037066 Orig																							
1230037066 Dup																							
v843165 Orig																							
v843165 Dup																							
1229005137 Orig							1.6	0.5	26	1010	< 1	10	27	171	1.74	37	< 10	43	< 0.5	< 2	0.73	10	66
1229005137 Dup							1.5	< 0.5	25	956	2	12	25	162	1.64	34	< 10	42	< 0.5	< 2	0.71	10	64
1335001148 Orig																							
1335001148 Dup																							
1229005131 Orig							1.0	1.0	43	854	< 1	11	46	324	1.84	31	< 10	38	< 0.5	< 2	1.53	7	111
1229005131 Dup							0.9	0.9	45	847	1	15	45	322	1.83	30	< 10	36	< 0.5	< 2	1.52	6	110
1335001170 Orig																							
1335001170 Dup																							
1230011124 Orig	48.4	23.6	-24.8	52.1	0.454																		
1230011124 Dup	48.4	23.4	-25.0	52.1	0.450																		
1230011005 Orig																							
1230011005 Dup																							
1120009165 Orig							1.7	2.9	59	1350	< 1	13	397	822	1.37	46	< 10	31	< 0.5	< 2	2.62	7	141
1120009165 Dup							2.8	2.7	55	1310	< 1	14	382	789	1.29	43	< 10	29	< 0.5	< 2	2.59	7	135
V835767 Orig																							
V835767 Dup																							
1230026021 Orig							1.4	2.2	130	555	1	20	21	652	1.81	15	< 10	51	< 0.5	< 2	0.97	10	127
1230026021 Dup							1.5	2.1	116	532	1	19	22	631	1.79	12	< 10	52	< 0.5	< 2	0.94	9	120
1229004289 Orig						8.52																	
1229004289 Dup						8.53																	
1230027201 Orig																							
1230027201 Dup																							
1120009021 Orig							< 0.2	< 0.5	12	343	< 1	14	6	72	1.45	37	< 10	41	< 0.5	< 2	2.00	6	129
1120009021 Dup							< 0.2	< 0.5	13	355	< 1	12	7	76	1.49	32	< 10	45	< 0.5	< 2	2.04	6	133
1230011168 Orig																							
1230011168 Dup																							
1229004021 Orig																							
1229004021 Dup																							
1229004004 Orig	71.6	4.73	-66.8	76.6	0.0618																		
1229004004 Dup	71.6	4.71	-66.8	76.6	0.0616																		
1229004048 Orig																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229004048 Dup																							
2137520160 Orig							< 0.2	< 0.5	6	423	< 1	13	4	58	3.10	< 2	< 10	87	< 0.5	< 2	1.79	8	94
2137520160 Dup							< 0.2	< 0.5	7	439	< 1	17	3	60	3.28	3	< 10	92	< 0.5	< 2	1.85	8	98
1229004063 Orig																							
1229004063 Dup																							
V835769 Orig																							
V835769 Dup																							
1230029020 Orig							0.8	0.5	148	431	3	13	3	249	1.67	10	< 10	32	< 0.5	< 2	1.32	9	177
1230029020 Dup							0.9	< 0.5	154	429	4	13	< 2	249	1.64	8	< 10	36	< 0.5	2	1.30	9	180
1230029071 Orig																							
1230029071 Dup																							
1230029101 Orig																							
1230029101 Dup																							
1230029051 Orig																							
1230029051 Dup																							
1230028105 Orig							1.0	< 0.5	11	378	1	12	3	60	1.74	19	< 10	14	< 0.5	11	0.21	6	101
1230028105 Dup							1.0	< 0.5	12	391	1	14	3	60	1.79	20	< 10	12	< 0.5	12	0.22	6	103
1119001255 Orig																							
1119001255 Dup																							
1230029262 Orig																							
1230029262 Dup																							
1230029091 Orig	40.6	17.7	-22.9	44.7	0.397																		
1230029091 Dup	40.6	17.8	-22.8	44.7	0.398																		
2135001018 Orig							< 0.2	< 0.5	9	346	< 1	14	< 2	50	2.23	3	< 10	90	< 0.5	< 2	1.37	10	130
2135001018 Dup							< 0.2	< 0.5	9	341	< 1	14	< 2	53	2.21	3	< 10	88	< 0.5	< 2	1.36	9	130
1119001127 Orig						9.17																	
1119001127 Dup						9.16																	
1230029167 Orig						8.43																	
1230029167 Dup						8.74																	
2137520806 Orig	2.50	14.1	11.6	2.45	5.74																		
2137520806 Dup	2.50	14.0	11.5	2.45	5.73																		
V835772 Orig																							
V835772 Dup																							
Method Blank																							
Method Blank																							
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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																							
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Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
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	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
GXR-6 Meas	5.91	20	< 1	1.23	< 10	0.44	0.095	0.034	0.01	4	18	29		< 1	3	< 10	169	< 10	4	5			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	5.86	20	3	1.21	< 10	0.44	0.093	0.034	0.01	6	18	29		< 1	< 2	< 10	171	< 10	5	5			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	5.87	20	1	1.23	10	0.43	0.137	0.035	0.01	4	22	30		< 1	2	< 10	179	< 10	6	7			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	5.86	20	< 1	1.26	< 10	0.42	0.098	0.036	0.01	4	18	30		< 1	2	< 10	178	< 10	5	9			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	5.78	20	< 1	1.20	< 10	0.41	0.094	0.035	0.01	5	18	30		< 1	< 2	< 10	172	< 10	5	5			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
BaSO4 Meas																						13.9	
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																						14.0	
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																						13.9	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.3	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.4	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.7	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.9	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.7	
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																						13.8	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.9	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.9	
BaSO4 Cert																						14.0	
SGR-1b Meas																					28.0	1.54	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.5	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.5	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.5	1.52	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.0	1.49	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.8	1.52	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.9	1.51	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.9	1.51	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.9	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.2	1.54	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.6	1.59	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.4	1.58	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.6	1.56	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.2	1.51	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.3	1.50	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.0	1.51	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.1	1.47	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.2	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.2	1.57	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.4	1.56	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.3	1.56	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.4	1.50	
SGR-1b Cert																					28	1.53	
GS311-4 Meas																					1.10	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.54	
GS311-4 Cert																					1.11	0.54	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
GS311-4 Meas																					1.10	0.53	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.53	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.12	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.56	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.57	
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	0.56	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.58	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.56	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	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																					1.09	0.53	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.12	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.13	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.56	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.13	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.55	
GS311-4 Cert																					1.11	0.54	
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)																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
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																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	5.29	< 10		0.52	36	1.41	0.033	0.063	0.36	< 2	4	17			< 2	< 10	36	< 10	22	14			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.23	< 10		0.51	36	1.42	0.033	0.062	0.36	< 2	4	16			< 2	< 10	37	< 10	23	13			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.24	< 10		0.53	39	1.44	0.039	0.064	0.36	4	4	17			< 2	< 10	38	< 10	23	14			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.36	< 10		0.55	38	1.41	0.038	0.065	0.36	3	4	17			< 2	< 10	39	< 10	25	21			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.47	< 10		0.57	38	1.37	0.038	0.067	0.38	2	4	17			< 2	< 10	38	< 10	25	21			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.30	< 10		0.49	36	1.31	0.032	0.065	0.37	2	4	16			< 2	< 10	35	< 10	23	20			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 923 (AQUA REGIA) Meas	6.53	< 10		0.46	36	1.63		0.065	0.69	< 2	4	15			< 2	< 10	38	< 10	22	26			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.05	< 10		0.44	34	1.53		0.060	0.65	< 2	4	14			< 2	< 10	36	< 10	21	24			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.07	< 10		0.45	35	1.53		0.061	0.65	4	4	15			< 2	< 10	37	< 10	21	28			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.36	< 10		0.48	36	1.53		0.063	0.68	3	4	15			< 2	< 10	38	< 10	24	27			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.27	< 10		0.48	35	1.52		0.063	0.67	4	4	15			< 2	< 10	38	< 10	23	27			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.19	< 10		0.42	34	1.42		0.063	0.67	< 2	4	15			< 2	< 10	35	< 10	21	24			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
Oreas 96 (Aqua Regia) Meas									3.95	10													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.88	5													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.81	7													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.73	7													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.66	8													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.96	8													

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
OREAS 220 (Fire Assay) Meas																							0.858
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.827
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.862
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.842
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.862
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.880
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.882
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.871
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.856
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.855
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.845
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.859
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.838
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.862
OREAS 220 (Fire Assay) Cert																							0.866

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
Oreas 621 (Aqua Regia) Meas	3.36	< 10	4	0.40	19	0.46	0.194	0.033	4.12	96	3	18			< 2	< 10	13	< 10	9	61			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.29	< 10	4	0.39	19	0.45	0.189	0.032	4.10	96	3	17			< 2	< 10	13	< 10	8	59			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.45	10	6	0.42	20	0.48	0.202	0.034	4.59	114	3	19			< 2	< 10	14	< 10	9	64			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.68	10	3	0.43	21	0.47	0.214	0.035	4.63	114	3	20			< 2	< 10	14	< 10	9	65			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.61	10	4	0.42	20	0.46	0.207	0.035	4.56	116	3	19			< 2	< 10	14	< 10	9	65			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.51	10	4	0.37	19	0.44	0.188	0.034	4.45	94	2	17			< 2	< 10	13	< 10	9	52			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
OREAS 257 Meas																							
OREAS 257 Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas	14.2	20	< 1	0.12	< 10	0.19	0.049	0.020	0.02		24	13	0.09		< 2	< 10	200		5	8			
OREAS 45f (Aqua Regia) Cert	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0			
OREAS 238 (Fire Assay) Meas																							3.111
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.121
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.064
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							2.967
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.104
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.163
OREAS 238 (Fire Assay) Cert																							3.03

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
OREAS 238 (Fire Assay) Meas																							3.145
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.018
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.113
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.116
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.183
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.177
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.095
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.134
OREAS 238 (Fire Assay) Cert																							3.03
GS316-3 Meas																					0.04	0.35	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.04	0.36	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.03	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.07	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.06	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.05	0.34	
GS316-3 Cert																					0.0600	0.340	
GS316-3 Meas																					0.07	0.35	
GS316-3 Cert																					0.0600	0.340	
1229006003 Orig																					0.44	2.34	0.210
1229006003 Dup																					0.25	1.36	0.211
1119001009 Orig	2.40	< 10	< 1	0.51	19	1.06	0.107	0.059	0.57	< 2	3	101	0.10	3	< 2	< 10	30	< 10	4	12			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1119001009 Dup	2.40	< 10	< 1	0.51	19	1.12	0.109	0.059	0.56	3	3	98	0.10	4	< 2	< 10	30	< 10	4	13			
1119008050 Orig																							1.728
1119008050 Dup																							1.549
1119002001 Orig																					0.37	0.93	
1119002001 Dup																					0.38	0.95	
1119008070 Orig	1.74	< 10	< 1	0.31	17	1.18	0.055	0.036	0.90	3	< 1	52	0.03	< 1	< 2	< 10	9	< 10	2	10			
1119008070 Dup	1.75	< 10	< 1	0.31	17	1.17	0.057	0.036	0.91	2	< 1	52	0.03	< 1	< 2	< 10	9	< 10	2	11			
1229006130 Orig																							0.055
1229006130 Dup																							0.056
1119002048 Orig																					0.15	1.52	
1119002048 Dup																					0.16	1.51	
v843152 Orig	1.59	< 10	< 1	0.08	< 10	0.12	0.164	0.031	0.02	< 2	1	20	0.27	4	< 2	< 10	37	< 10	9	14			
v843152 Dup	1.56	< 10	< 1	0.08	< 10	0.12	0.159	0.031	0.01	< 2	1	20	0.27	6	< 2	< 10	38	< 10	9	16			
1119002204 Orig																					0.69	2.58	
1119002204 Dup																					0.68	2.54	
1119003035 Orig																							0.050
1119003035 Dup																							0.057
1231023106 Orig																							
1231023106 Dup																							
1231023197 Orig																					0.11	2.80	
1231023197 Dup																					0.11	2.80	
1119003055 Orig	3.09	< 10	< 1	0.27	< 10	0.90	0.028	0.041	2.83	4	< 1	20	< 0.01	< 1	< 2	< 10	6	< 10	2	11			
1119003055 Dup	3.00	< 10	< 1	0.27	< 10	0.86	0.029	0.040	2.77	5	< 1	20	< 0.01	1	< 2	< 10	6	< 10	2	11			
1119003107 Orig																							0.327
1119003107 Dup																							0.273
1229006138 Orig																					0.53	2.50	
1229006138 Dup																					0.53	2.56	
1119004083 Orig																							> 5.000
1119004083 Dup																							> 5.000
1119004147 Orig																					0.48	2.63	
1119004147 Dup																					0.48	2.65	
1119004182 Orig	2.42	< 10	< 1	0.42	17	0.63	0.048	0.055	2.22	< 2	< 1	19	< 0.01	8	< 2	< 10	8	< 10	3	12			
1119004182 Dup	2.20	< 10	< 1	0.38	15	0.56	0.045	0.050	2.01	3	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	2	11			
1119004043 Orig																							0.902
1229006168 Orig																					0.15	2.74	
1229006168 Dup																					0.14	2.75	
1229006281 Orig																							0.252
1229006281 Dup																							0.266
1119005012 Orig	2.36	< 10	< 1	0.28	15	1.05	0.184	0.040	0.57	< 2	2	103	< 0.01	3	< 2	< 10	21	< 10	3	6			
1119005012 Dup	2.46	< 10	< 1	0.29	15	1.08	0.190	0.040	0.59	3	2	105	< 0.01	4	< 2	< 10	21	< 10	3	7			
1229011036 Orig																					0.14	1.92	
1229011036 Dup																					0.14	1.95	
1229013142 Orig																							
1229013142 Dup																							
1229011229 Orig																							0.411
1229011229 Dup																							0.453
1229013063 Orig	2.37	< 10	< 1	0.22	16	1.06	0.092	0.048	0.53	< 2	1	125	0.04	5	< 2	< 10	18	< 10	2	4	0.20	0.55	
1229013063 Dup	2.48	< 10	< 1	0.23	16	1.10	0.093	0.049	0.55	4	1	125	0.04	< 1	< 2	< 10	18	< 10	2	4	0.19	0.57	
1229011246 Orig																					0.15	0.41	0.014
1229011246 Dup																					0.14	0.40	0.018
1229011147 Orig	3.26	< 10	< 1	0.28	13	0.89	0.168	0.040	2.13	< 2	< 1	104	< 0.01	8	< 2	< 10	11	< 10	3	12			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1229011147 Dup	3.41	< 10	< 1	0.31	13	0.94	0.175	0.041	2.23	3	1	110	< 0.01	5	< 2	< 10	12	< 10	3	13			
v843156 Orig																					0.01	0.06	
v843156 Dup																					0.01	0.06	
1119005102 Orig																							0.761
1119005102 Dup																							0.727
1119007009 Orig	4.20	< 10	< 1	0.31	14	1.04	0.027	0.042	2.45	3	< 1	16	0.01	< 1	< 2	< 10	9	< 10	2	15			
1119007009 Dup	4.18	< 10	< 1	0.31	14	1.01	0.028	0.042	2.43	3	< 1	16	0.01	3	< 2	< 10	8	< 10	2	14			
1119007062 Orig																							1.002
1119007062 Dup																							1.064
1229011003 Orig																					0.06	2.36	
1229011003 Dup																					0.05	2.37	
1229013254 Orig																							
1229013254 Dup																							
1229013223 Orig																					0.26	0.51	
1229013223 Dup																					0.26	0.51	
1119009024 Orig	2.76	< 10	< 1	0.40	< 10	0.43	0.036	0.040	2.38	3	< 1	25	< 0.01	< 1	< 2	< 10	6	< 10	3	16			
1119009024 Dup	2.64	< 10	< 1	0.38	< 10	0.41	0.035	0.039	2.28	3	< 1	23	< 0.01	< 1	< 2	< 10	6	< 10	2	15			
1119009056 Orig																							0.226
1119009056 Dup																							0.226
1119009006 Orig																					0.11	1.28	
1119009006 Dup																					0.12	1.30	
1119010418 Orig																							0.108
1119010418 Dup																							0.106
1119010288 Orig	3.05	< 10	< 1	0.42	17	1.13	0.029	0.039	2.46	4	< 1	24	0.02	4	< 2	< 10	9	< 10	2	22			
1119010288 Dup	2.95	< 10	< 1	0.39	17	1.14	0.026	0.039	2.47	2	< 1	22	0.02	3	< 2	< 10	9	< 10	2	23			
1230033313 Orig																					0.29	1.45	
1230033313 Dup																					0.30	1.47	
1230033314 Orig																							0.059
1230033314 Dup																							0.052
1231022409 Orig	2.80	< 10	< 1	0.28	13	0.97	0.111	0.050	0.86	2	3	53	0.07	2	< 2	< 10	35	< 10	4	8			
1231022409 Dup	2.72	< 10	< 1	0.27	13	0.98	0.107	0.050	0.84	3	3	52	0.07	3	< 2	< 10	35	< 10	4	8			
1119007317 Orig																					0.35	1.76	
1119007317 Dup																					0.35	1.78	
1119009087 Orig																							0.785
1119009087 Dup																							0.872
1119007190 Orig																					0.80	2.09	
1119007190 Dup																					0.80	2.10	
1231022399 Orig																							
1231022399 Dup																							
2135005200 Orig																							0.015
2135005200 Dup																							0.013
1119009070 Orig	2.73	< 10	< 1	0.48	16	0.90	0.036	0.049	1.51	3	1	17	0.01	< 1	< 2	< 10	10	< 10	3	14			
1119009070 Dup	2.52	< 10	< 1	0.45	14	0.82	0.032	0.046	1.41	3	1	16	0.01	< 1	< 2	< 10	9	< 10	3	13			
1119009086 Orig																					0.12	1.69	
1119009086 Dup																					0.13	1.72	
1119007149 Orig																							1.741
1119007149 Dup																							1.965
1230035043 Orig																					0.10	1.76	
1230035043 Dup																					0.10	1.76	
1231099313 Orig	3.13	< 10	< 1	0.25	14	1.10	0.085	0.040	2.52	3	2	29	0.03	< 1	< 2	< 10	18	< 10	3	15			
1231099313 Dup	3.06	< 10	< 1	0.25	13	1.08	0.086	0.039	2.47	2	2	28	0.03	3	< 2	< 10	18	< 10	3	14			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1119010313 Orig																					0.53	1.25	> 5.000
1119010313 Dup																					0.54	1.25	> 5.000
1119010259 Orig	2.91	< 10	< 1	0.35	13	1.14	0.057	0.042	2.13	3	1	45	< 0.01	< 1	< 2	< 10	10	< 10	3	19			
1119010259 Dup	2.86	< 10	< 1	0.34	13	1.10	0.053	0.042	2.10	5	< 1	44	< 0.01	< 1	< 2	< 10	9	< 10	3	19			
1231099134 Orig																					0.08	1.41	0.083
1231099134 Dup																					0.08	1.43	0.086
1231099205 Orig	3.17	< 10	< 1	0.29	18	1.56	0.091	0.050	1.65	3	2	41	0.04	1	< 2	< 10	26	< 10	4	19			
1231099205 Dup	3.16	< 10	< 1	0.30	18	1.56	0.091	0.050	1.66	3	2	42	0.04	< 1	2	< 10	26	< 10	4	19			
1231099228 Orig																							0.124
1231099228 Dup																							0.082
1231099227 Orig																					0.17	1.86	
1231099227 Dup																					0.16	1.91	
1119010321 Orig																					0.36	0.76	
1119010321 Dup																					0.36	0.78	
1230034118 Orig	2.88	< 10	< 1	0.38	19	1.19	0.152	0.044	1.36	< 2	1	119	0.02	4	< 2	< 10	16	< 10	3	16			0.134
1230034118 Dup	2.97	< 10	< 1	0.40	19	1.23	0.164	0.046	1.36	< 2	1	119	0.02	< 1	< 2	< 10	16	< 10	3	16			0.140
1230037260 Orig																					0.11	2.40	
1230037260 Dup																					0.12	2.35	
1231099011 Orig																							0.086
1231099011 Dup																							0.060
1230034220 Orig	2.80	< 10	< 1	0.31	13	1.19	0.189	0.045	1.37	2	1	73	0.02	< 1	< 2	< 10	14	< 10	3	17			
1230034220 Dup	2.84	< 10	< 1	0.31	13	1.20	0.193	0.045	1.38	4	1	71	0.02	6	< 2	< 10	14	< 10	3	15			
1230034212 Orig																					0.11	2.84	
1230034212 Dup																					0.10	2.89	
1230034306 Orig																							0.209
1230034306 Dup																							0.180
1231022167 Orig	3.48	< 10	< 1	0.28	26	1.93	0.178	0.112	1.36	< 2	2	124	0.06	8	< 2	< 10	35	< 10	5	7			
1231022167 Dup	3.32	< 10	< 1	0.26	24	1.79	0.167	0.106	1.33	3	2	117	0.05	4	< 2	< 10	32	< 10	4	7			
1229012019 Orig																					0.18	1.75	
1229012019 Dup																					0.18	1.68	
1231022069 Orig																							
1231022069 Dup																							
1229012056 Orig																							0.287
1231022022 Orig																					0.18	0.72	
1231022022 Dup																					0.19	0.75	
1230037240 Orig	2.57	< 10	< 1	0.50	29	1.41	0.171	0.079	0.54	2	3	114	0.09	7	< 2	< 10	33	< 10	4	11			
1230037240 Dup	2.50	< 10	< 1	0.48	29	1.41	0.167	0.077	0.54	3	3	112	0.09	< 1	< 2	< 10	33	< 10	4	9			
1230037080 Orig																							0.194
1230037080 Dup																							0.191
1229014005 Orig																					0.12	0.08	
1229014005 Dup																					0.12	0.08	
1230037066 Orig																							0.416
1230037066 Dup																							0.473
v843165 Orig																					0.05	0.07	
v843165 Dup																					0.04	0.07	
1229005137 Orig	1.34	< 10	< 1	0.32	17	0.43	0.067	0.055	1.16	< 2	< 1	48	< 0.01	< 1	< 2	< 10	6	< 10	2	8			
1229005137 Dup	1.33	< 10	< 1	0.31	17	0.40	0.065	0.053	1.11	3	< 1	45	< 0.01	< 1	< 2	< 10	5	< 10	2	9			
1335001148 Orig																					2.25	1.44	0.014
1335001148 Dup																					2.26	1.45	0.014
1229005131 Orig	1.72	< 10	< 1	0.24	17	0.57	0.097	0.052	1.37	2	< 1	58	< 0.01	3	< 2	< 10	8	< 10	2	10			
1229005131 Dup	1.72	< 10	< 1	0.23	17	0.57	0.096	0.052	1.39	< 2	< 1	58	< 0.01	2	< 2	< 10	7	< 10	2	9			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1335001170 Orig																					1.65	0.95	0.010
1335001170 Dup																					1.66	0.94	0.009
1230011124 Orig																							
1230011124 Dup																							
1230011005 Orig																							0.092
1230011005 Dup																							0.100
1120009165 Orig	2.11	< 10	< 1	0.24	< 10	0.99	0.044	0.046	1.45	2	< 1	28	< 0.01	4	< 2	< 10	6	< 10	2	9	0.87	1.48	
1120009165 Dup	2.07	< 10	< 1	0.23	< 10	0.94	0.039	0.045	1.45	3	< 1	26	< 0.01	< 1	< 2	< 10	5	< 10	2	10	0.88	1.48	
V835767 Orig																					0.04	0.07	
V835767 Dup																					0.05	0.07	
1230026021 Orig	2.59	< 10	< 1	0.23	22	1.31	0.074	0.058	1.52	3	2	35	0.04	< 1	< 2	< 10	28	< 10	4	15			0.152
1230026021 Dup	2.52	< 10	< 1	0.22	20	1.25	0.072	0.056	1.48	3	2	34	0.04	2	< 2	< 10	27	< 10	4	15			0.157
1229004289 Orig																					0.22	2.23	
1229004289 Dup																					0.25	2.27	
1230027201 Orig																							0.362
1230027201 Dup																							0.301
1120009021 Orig	1.72	< 10	< 1	0.24	11	0.98	0.098	0.034	0.85	< 2	< 1	57	< 0.01	< 1	< 2	< 10	9	< 10	2	9			
1120009021 Dup	1.75	< 10	< 1	0.25	11	1.01	0.103	0.035	0.87	< 2	< 1	58	< 0.01	< 1	< 2	< 10	10	< 10	2	10			
1230011168 Orig																					0.33	1.71	
1230011168 Dup																					0.32	1.71	
1229004021 Orig																							0.039
1229004021 Dup																							0.021
1229004004 Orig																							
1229004004 Dup																							
1229004048 Orig																					0.22	0.50	
1229004048 Dup																					0.21	0.52	
2137520160 Orig	2.09	10	< 1	0.53	14	0.97	0.328	0.043	0.10	< 2	2	168	0.10	< 1	< 2	< 10	29	< 10	3	12			
2137520160 Dup	2.21	< 10	< 1	0.56	16	1.03	0.350	0.045	0.10	< 2	2	176	0.10	< 1	< 2	< 10	31	< 10	3	14			
1229004063 Orig																							0.106
1229004063 Dup																							0.109
V835769 Orig																					< 0.01	0.06	
V835769 Dup																					< 0.01	0.06	
1230029020 Orig	2.67	< 10	< 1	0.28	13	0.92	0.073	0.041	2.03	2	1	34	0.05	< 1	3	< 10	16	< 10	2	16			
1230029020 Dup	2.74	< 10	< 1	0.28	13	0.93	0.070	0.041	2.04	2	1	34	0.05	3	< 2	< 10	16	< 10	2	17			
1230029071 Orig																							0.065
1230029071 Dup																							0.066
1230029101 Orig																					0.16	1.25	
1230029101 Dup																					0.16	1.24	
1230029051 Orig																							0.252
1230029051 Dup																							0.185
1230028105 Orig	4.55	< 10	2	0.36	14	1.30	0.037	0.043	4.37	2	< 1	12	< 0.01	4	< 2	< 10	9	< 10	1	12			
1230028105 Dup	4.62	< 10	1	0.37	14	1.34	0.039	0.045	4.40	2	< 1	12	< 0.01	6	< 2	< 10	9	< 10	1	13			
1119001255 Orig																					0.23	0.99	
1119001255 Dup																					0.23	0.96	
1230029262 Orig																					0.16	2.62	0.142
1230029262 Dup																					0.15	2.60	0.137
1230029091 Orig																							
1230029091 Dup																							
2135001018 Orig	2.07	< 10	< 1	0.54	20	0.85	0.177	0.046	0.08	< 2	3	89	0.12	3	< 2	< 10	30	< 10	5	15	0.18	0.07	< 0.005
2135001018 Dup	2.07	< 10	< 1	0.53	20	0.86	0.173	0.044	0.07	5	3	89	0.12	3	< 2	< 10	30	< 10	5	13	0.17	0.07	< 0.005
1119001127 Orig																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1119001127 Dup																							
1230029167 Orig																							
1230029167 Dup																							
2137520806 Orig																							
2137520806 Dup																							
V835772 Orig																					0.02	0.07	
V835772 Dup																					0.03	0.07	
Method Blank																							< 0.005
Method Blank																							< 0.005
Method Blank																							< 0.005
Method Blank																							< 0.005
Method Blank																							< 0.005
Method Blank																							< 0.005
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Method Blank																							
Method Blank																							< 0.005
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.016	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.017	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.016	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
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BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
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SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
GS311-4 Meas	
GS311-4 Cert	

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

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
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	
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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	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	
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OREAS 220 (Fire Assay) Meas	
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OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
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Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
OREAS 257 Meas	14.7
OREAS 257 Cert	14.18
OREAS 229b (Fire Assay) Meas	12.3
OREAS 229b (Fire Assay) Cert	11.9
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	
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OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	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	
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OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
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GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
1229006003 Orig	
1229006003 Dup	
1119001009 Orig	
1119001009 Dup	
1119008050 Orig	
1119008050 Dup	
1119002001 Orig	
1119002001 Dup	
1119008070 Orig	
1119008070 Dup	
1229006130 Orig	
1229006130 Dup	
1119002048 Orig	
1119002048 Dup	
v843152 Orig	
v843152 Dup	
1119002204 Orig	
1119002204 Dup	
1119003035 Orig	
1119003035 Dup	
1231023106 Orig	
1231023106 Dup	
1231023197 Orig	
1231023197 Dup	
1119003055 Orig	
1119003055 Dup	
1119003107 Orig	
1119003107 Dup	
1229006138 Orig	
1229006138 Dup	
1119004083 Orig	
1119004083 Dup	
1119004147 Orig	
1119004147 Dup	
1119004182 Orig	
1119004182 Dup	
1119004043 Orig	
1229006168 Orig	
1229006168 Dup	
1229006281 Orig	
1229006281 Dup	
1119005012 Orig	
1119005012 Dup	
1229011036 Orig	
1229011036 Dup	
1229013142 Orig	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229013142 Dup	
1229011229 Orig	
1229011229 Dup	
1229013063 Orig	
1229013063 Dup	
1229011246 Orig	
1229011246 Dup	
1229011147 Orig	
1229011147 Dup	
v843156 Orig	
v843156 Dup	
1119005102 Orig	
1119005102 Dup	
1119007009 Orig	
1119007009 Dup	
1119007062 Orig	
1119007062 Dup	
1229011003 Orig	
1229011003 Dup	
1229013254 Orig	
1229013254 Dup	
1229013223 Orig	
1229013223 Dup	
1119009024 Orig	
1119009024 Dup	
1119009056 Orig	
1119009056 Dup	
1119009006 Orig	
1119009006 Dup	
1119010418 Orig	
1119010418 Dup	
1119010288 Orig	11.2
1119010288 Dup	11.9
1230033313 Orig	
1230033313 Dup	
1230033314 Orig	
1230033314 Dup	
1231022409 Orig	
1231022409 Dup	
1119007317 Orig	
1119007317 Dup	
1119009087 Orig	
1119009087 Dup	
1119007190 Orig	
1119007190 Dup	
1231022399 Orig	
1231022399 Dup	
2135005200 Orig	
2135005200 Dup	
1119009070 Orig	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1119009070 Dup	
1119009086 Orig	
1119009086 Dup	
1119007149 Orig	
1119007149 Dup	
1230035043 Orig	
1230035043 Dup	
1231099313 Orig	
1231099313 Dup	
1119010313 Orig	
1119010313 Dup	
1119010259 Orig	
1119010259 Dup	
1231099134 Orig	
1231099134 Dup	
1231099205 Orig	
1231099205 Dup	
1231099228 Orig	
1231099228 Dup	
1231099227 Orig	
1231099227 Dup	
1119010321 Orig	
1119010321 Dup	
1230034118 Orig	
1230034118 Dup	
1230037260 Orig	
1230037260 Dup	
1231099011 Orig	
1231099011 Dup	
1230034220 Orig	
1230034220 Dup	
1230034212 Orig	
1230034212 Dup	
1230034306 Orig	
1230034306 Dup	
1231022167 Orig	
1231022167 Dup	
1229012019 Orig	
1229012019 Dup	
1231022069 Orig	
1231022069 Dup	
1229012056 Orig	
1231022022 Orig	
1231022022 Dup	
1230037240 Orig	
1230037240 Dup	
1230037080 Orig	
1230037080 Dup	
1229014005 Orig	
1229014005 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230037066 Orig	
1230037066 Dup	
v843165 Orig	
v843165 Dup	
1229005137 Orig	
1229005137 Dup	
1335001148 Orig	
1335001148 Dup	
1229005131 Orig	
1229005131 Dup	
1335001170 Orig	
1335001170 Dup	
1230011124 Orig	
1230011124 Dup	
1230011005 Orig	
1230011005 Dup	
1120009165 Orig	
1120009165 Dup	
V835767 Orig	
V835767 Dup	
1230026021 Orig	
1230026021 Dup	
1229004289 Orig	
1229004289 Dup	
1230027201 Orig	
1230027201 Dup	
1120009021 Orig	
1120009021 Dup	
1230011168 Orig	
1230011168 Dup	
1229004021 Orig	
1229004021 Dup	
1229004004 Orig	
1229004004 Dup	
1229004048 Orig	
1229004048 Dup	
2137520160 Orig	
2137520160 Dup	
1229004063 Orig	
1229004063 Dup	
V835769 Orig	
V835769 Dup	
1230029020 Orig	
1230029020 Dup	
1230029071 Orig	
1230029071 Dup	
1230029101 Orig	
1230029101 Dup	
1230029051 Orig	
1230029051 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230028105 Orig	
1230028105 Dup	
1119001255 Orig	
1119001255 Dup	
1230029262 Orig	
1230029262 Dup	
1230029091 Orig	
1230029091 Dup	
2135001018 Orig	
2135001018 Dup	
1119001127 Orig	
1119001127 Dup	
1230029167 Orig	
1230029167 Dup	
2137520806 Orig	
2137520806 Dup	
V835772 Orig	
V835772 Dup	
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	< 0.02
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-11734-Revised**
Report Date:	**21-Oct-19**
Date Submitted:	**05-Sep-19**
Your Reference:	**2019 Q1 and Q2 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

268 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-(ppm)Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-09-23 08:07:42
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-10-01 09:54:21

REPORT **A19-11734-Revised**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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.:	**A19-11734-Revised**
Report Date:	**21-Oct-19**
Date Submitted:	**05-Sep-19**
Your Reference:	**2019 Q1 and Q2 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

268 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-10-07 21:54:36
4F-C, S	Infrared	2019-09-20 20:42:30

REPORT **A19-11734-Revised**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1120003146	50.5	13.0	-37.5	54.5	0.238	8.57	0.7	< 0.5	23	662	< 1	14	25	225	3.51	75	< 10	25	< 0.5	< 2	2.01	9	123
1120003010	70.1	17.8	-52.3	76.3	0.233	8.63	1.9	6.9	38	673	1	11	95	2000	1.27	70	< 10	14	< 0.5	< 2	0.77	6	119
1231016085	40.8	17.1	-23.7	44.4	0.385	8.93	0.5	< 0.5	103	467	1	16	5	70	1.22	8	< 10	26	< 0.5	< 2	0.87	8	230
1231017669	52.8	14.3	-38.5	57.0	0.251	8.78	0.5	0.8	150	503	3	13	< 2	318	1.26	9	< 10	15	< 0.5	< 2	0.84	9	202
1231016019	21.3	0.622	-20.6	20.8	0.0299	8.99	0.4	0.5	76	707	1	13	5	233	1.99	8	< 10	64	< 0.5	< 2	0.61	7	174
1120003034	26.8	42.1	15.4	30.0	1.40	8.80	0.4	1.9	31	882	< 1	14	30	543	2.11	69	< 10	43	< 0.5	< 2	1.89	7	196
1120003153	43.3	17.1	-26.2	46.2	0.370	8.66	0.5	< 0.5	19	652	< 1	14	19	100	3.08	40	< 10	29	< 0.5	< 2	1.94	9	149
1231016116	39.6	3.71	-35.9	42.9	0.0866	8.83	0.4	< 0.5	61	443	1	15	4	119	1.30	13	< 10	24	< 0.5	< 2	0.46	9	130
1120003058	49.4	24.1	-25.3	53.6	0.450	8.65	1.2	2.4	29	840	1	12	100	719	2.61	58	< 10	27	< 0.5	< 2	1.59	9	133
1120003154	57.3	36.7	-20.5	61.3	0.600	8.73	0.9	< 0.5	25	747	< 1	12	14	133	2.23	54	< 10	21	< 0.5	< 2	1.93	9	101
1231017741	45.9	14.8	-31.1	49.6	0.298	8.85	0.4	0.6	92	518	3	12	< 2	256	1.32	5	< 10	22	< 0.5	< 2	0.83	7	208
1231017744	39.4	21.5	-17.9	42.0	0.512	9.03	0.3	0.7	69	569	2	11	4	287	1.19	7	< 10	20	< 0.5	< 2	1.01	7	188
1231016161	53.2	6.67	-46.5	56.7	0.118	8.48	0.7	< 0.5	85	509	1	16	9	83	1.98	23	< 10	20	< 0.5	4	0.75	9	166
1120003212	34.9	19.4	-15.5	37.4	0.519	8.78	0.8	< 0.5	11	469	< 1	15	14	70	2.67	50	< 10	38	< 0.5	< 2	1.90	7	216
1231017653	28.8	16.0	-12.7	28.2	0.569	9.13	< 0.2	1.3	41	639	< 1	11	4	483	1.63	9	< 10	35	< 0.5	< 2	0.90	7	175
1120004101	59.4	24.7	-34.6	67.4	0.367	8.44	1.0	6.2	43	840	< 1	12	46	1740	1.28	87	< 10	22	< 0.5	< 2	0.99	6	135
1120004184	82.5	8.70	-73.8	90.0	0.0966	8.44	1.9	5.3	106	524	< 1	11	61	1460	1.25	110	< 10	13	< 0.5	3	0.44	7	151
1120004156	69.3	74.5	5.23	76.6	0.973	8.82	1.3	3.9	53	1400	< 1	19	230	1160	0.61	52	< 10	17	< 0.5	< 2	2.26	13	138
1120004151	65.5	62.5	-2.98	72.9	0.858	8.90	1.0	3.1	27	1640	< 1	12	58	938	0.69	79	< 10	20	< 0.5	< 2	2.41	7	146
1120004091	49.3	16.0	-33.3	60.9	0.262	8.89	1.0	20.1	72	835	< 1	7	23	5330	1.82	39	< 10	23	< 0.5	< 2	0.93	6	103
v835759							2.3	< 0.5	62	415	11	18	8	59	1.82	< 2	< 10	96	< 0.5	< 2	1.43	16	12
1120004211	85.3	5.21	-80.1	94.3	0.0552	8.05	3.3	13.1	231	815	< 1	11	40	3330	1.59	104	< 10	11	< 0.5	< 2	0.32	5	167
1120004228	39.1	73.0	34.0	44.4	1.64	8.69	0.9	4.1	78	1850	< 1	13	48	996	1.24	37	< 10	32	< 0.5	< 2	2.66	7	163
1120005187	19.7	39.9	20.3	19.3	2.07	9.24	0.3	< 0.5	20	513	< 1	10	11	84	2.30	55	< 10	59	< 0.5	< 2	1.75	7	52
1230023041	18.4	10.6	-7.81	18.1	0.588	8.53	< 0.2	< 0.5	34	590	2	29	5	116	2.85	6	13	61	< 0.5	< 2	0.96	9	82
1120005199	24.5	40.4	16.0	27.6	1.47	8.98	0.5	0.9	19	626	1	11	17	309	2.49	32	< 10	46	< 0.5	< 2	1.85	6	57
1230023050	2.81	28.9	26.1	2.76	10.5	8.28	< 0.2	< 0.5	120	791	< 1	70	< 2	53	5.49	< 2	< 10	19	< 0.5	< 2	3.87	26	151
1120005179	2.17	45.6	43.5	11.9	3.82	9.30	< 0.2	< 0.5	11	377	< 1	16	< 2	51	1.43	3	< 10	68	< 0.5	< 2	1.82	5	169
1120004076	88.5	12.7	-75.9	97.4	0.130	8.74	2.7	5.2	151	809	< 1	11	81	1380	1.69	99	< 10	11	< 0.5	< 2	0.60	6	57
1231016239	54.8	9.84	-44.9	58.2	0.169	8.55	0.5	< 0.5	48	434	< 1	13	4	67	1.91	18	< 10	18	< 0.5	3	0.73	8	84
1120004069	117	17.6	-99.7	126	0.139	8.51	2.4	8.1	81	642	< 1	14	249	2190	1.44	154	< 10	< 10	< 0.5	< 2	0.69	7	100
1231017752	35.9	26.4	-9.52	39.2	0.674	8.94	0.3	1.6	85	488	2	15	3	490	1.20	7	< 10	35	< 0.5	< 2	1.17	8	217
1120004118	68.9	53.0	-15.9	76.3	0.695	8.69	5.7	6.7	79	1200	< 1	15	621	1820	0.56	95	< 10	17	< 0.5	< 2	1.79	9	160
1120004245	87.4	18.7	-68.7	92.5	0.202	8.56	1.8	< 0.5	60	764	< 1	17	31	121	1.89	123	< 10	15	< 0.5	3	0.83	8	136
1120005157	19.7	34.3	14.6	19.3	1.78	9.10	1.1	< 0.5	14	562	< 1	11	16	81	1.73	32	< 10	54	< 0.5	< 2	1.64	7	136
1120005211	14.1	47.2	33.1	19.3	2.44	8.83	1.3	< 0.5	19	557	< 1	19	9	86	2.20	26	< 10	58	< 0.5	< 2	2.28	8	116
1120006061	12.8	44.1	31.2	15.6	2.82	9.22	0.5	< 0.5	15	511	< 1	12	11	73	1.88	31	< 10	62	< 0.5	< 2	1.94	7	124
1120006082	60.6	55.2	-5.42	65.8	0.838	8.88	0.6	1.2	64	1190	< 1	21	131	458	1.17	28	< 10	16	< 0.5	< 2	1.86	10	70
1120005170	23.3	43.4	20.1	26.0	1.67	8.91	0.4	1.4	31	658	< 1	10	20	433	2.64	20	< 10	47	< 0.5	< 2	2.18	6	93
1230023013	14.7	28.5	13.9	14.4	1.98	8.20	< 0.2	< 0.5	58	726	< 1	35	< 2	77	3.55	< 2	11	70	< 0.5	< 2	2.24	17	108
v835758							3.8	< 0.5	23	144	8	6	< 2	26	0.70	< 2	< 10	25	< 0.5	< 2	0.64	5	9
1231016254	51.3	11.2	-40.1	53.9	0.208	8.48	< 0.2	< 0.5	7	320	< 1	10	4	40	1.67	13	< 10	19	< 0.5	< 2	0.73	7	138
1230023103	20.0	11.4	-8.60	19.6	0.582	8.83	< 0.2	< 0.5	28	496	< 1	8	6	71	2.79	6	< 10	63	< 0.5	< 2	1.39	6	107
1120005141	32.9	31.9	-1.01	36.1	0.883	9.12	0.8	< 0.5	35	854	< 1	10	75	218	2.90	49	< 10	44	< 0.5	< 2	2.09	9	39
1120004022	126	19.1	-107	141	0.135	8.50	9.3	14.6	93	1060	2	9	381	4240	2.21	115	< 10	< 10	< 0.5	3	0.79	6	89
1230023052	2.19	18.8	16.6	2.14	8.77	8.55	< 0.2	< 0.5	119	736	< 1	64	< 2	64	5.42	< 2	< 10	19	< 0.5	< 2	3.86	26	130
1120005114	21.5	33.9	12.5	24.8	1.37	8.87	0.5	< 0.5	24	532	2	26	11	76	2.71	13	< 10	37	0.6	< 2	2.22	10	189
1120005103	16.8	100	83.4	21.7	4.60	8.81	0.6	< 0.5	73	926	< 1	48	57	178	2.70	34	< 10	48	0.5	< 2	4.25	16	139
1230023080	17.8	11.9	-5.91	17.5	0.682	8.85	0.4	0.7	76	628	4	10	23	181	2.34	8	< 10	63	< 0.5	< 2	1.32	8	67

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1120004014	78.3	62.6	-15.7	92.5	0.677	8.47	6.8	15.8	160	806	< 1	33	465	4070	1.97	71	< 10	14	< 0.5	< 2	2.05	14	142
1120005608	75.8	58.3	-17.5	83.3	0.700	8.77	1.9	4.5	81	1260	< 1	14	300	1180	1.26	136	< 10	14	< 0.5	< 2	2.10	11	78
1230024176	57.2	10.1	-47.1	60.3	0.167	8.38	0.3	< 0.5	46	465	< 1	10	6	67	3.65	9	< 10	25	< 0.5	< 2	1.74	6	127
1230024140	29.8	30.3	0.499	33.7	0.899	8.54	1.1	< 0.5	133	536	3	11	11	95	2.75	11	< 10	34	< 0.5	< 2	1.73	8	104
1120004001	55.8	18.9	-36.9	59.7	0.317	8.88	4.1	2.5	132	451	< 1	12	305	716	0.95	106	< 10	17	< 0.5	< 2	0.83	8	91
1120005101	27.5	33.0	5.46	30.0	1.10	8.99	0.4	0.8	55	760	< 1	13	65	308	2.05	42	< 10	38	< 0.5	< 2	1.55	8	91
1230024146	65.3	12.0	-53.3	71.4	0.169	8.65	1.4	< 0.5	304	440	3	9	6	77	3.10	12	< 10	21	< 0.5	4	1.49	7	79
1230024147	66.1	10.8	-55.3	71.4	0.152	8.42	2.1	< 0.5	149	461	3	12	5	81	2.79	14	< 10	19	< 0.5	5	1.50	9	81
1120006065	23.6	133	109	28.8	4.62	8.77	0.9	< 0.5	18	857	< 1	9	7	62	1.94	16	< 10	44	< 0.5	< 2	5.20	5	85
1120006106	58.4	86.5	28.1	65.8	1.31	8.13	1.0	1.3	51	1900	1	36	147	435	1.50	52	< 10	21	< 0.5	< 2	2.68	22	75
v835760							9.7	< 0.5	55	349	21	13	7	55	1.75	< 2	< 10	92	< 0.5	< 2	1.24	13	13
1120006020	32.4	62.4	30.0	35.2	1.77	8.91	0.3	0.7	15	639	< 1	10	8	270	1.95	53	< 10	34	< 0.5	< 2	2.55	6	114
1120006116	74.2	32.6	-41.5	79.9	0.408	8.56	1.8	3.1	58	952	< 1	12	174	914	0.98	129	< 10	14	< 0.5	< 2	1.26	10	105
1120006129	23.1	72.4	49.3	26.0	2.78	8.94	0.3	< 0.5	15	554	< 1	10	8	80	1.69	34	< 10	49	< 0.5	< 2	2.89	6	96
1230024088	46.9	27.5	-19.4	49.6	0.554	8.78	0.5	< 0.5	103	586	2	13	< 2	70	1.07	8	< 10	18	< 0.5	< 2	1.12	8	250
1120006019	31.8	38.2	6.48	34.9	1.10	8.84	1.2	< 0.5	25	761	< 1	11	34	213	2.47	55	< 10	40	< 0.5	< 2	1.94	8	163
1120006012	62.1	56.2	-5.84	67.4	0.835	8.74	3.0	2.9	48	977	< 1	13	298	794	1.06	86	< 10	19	< 0.5	< 2	1.94	8	145
1120006055	37.6	58.3	20.7	40.7	1.43	8.80	0.4	< 0.5	24	566	< 1	12	12	77	1.76	29	< 10	32	< 0.5	< 2	2.43	6	137
1230024037	44.3	14.9	-29.4	46.9	0.317	8.64	1.1	< 0.5	62	491	1	13	6	116	1.66	22	< 10	22	< 0.5	< 2	1.17	7	217
1230024001	5.31	12.1	6.80	5.21	2.33	8.46	< 0.2	< 0.5	138	680	< 1	54	< 2	57	5.77	2	< 10	18	< 0.5	< 2	3.76	23	226
1120006005	41.8	80.1	38.3	46.5	1.72	8.86	1.6	1.6	36	2130	2	16	370	487	0.70	46	< 10	28	< 0.5	< 2	2.58	7	256
1120006160	16.6	62.8	46.3	19.6	3.21	9.15	0.5	< 0.5	20	528	< 1	15	11	90	1.90	26	< 10	51	< 0.5	< 2	2.66	6	241
1120006170	66.4	61.9	-4.57	72.0	0.860	8.70	1.7	3.3	70	1080	< 1	13	485	975	0.92	56	< 10	18	< 0.5	< 2	2.29	8	132
1120006044	49.2	67.2	18.0	56.3	1.19	8.71	2.1	9.3	113	2010	< 1	14	275	2430	1.00	59	< 10	23	< 0.5	< 2	2.14	7	235
1230025128	65.2	14.3	-50.9	70.7	0.202	8.53	1.1	4.3	195	359	3	16	3	1230	1.41	14	< 10	15	< 0.5	6	0.87	8	252
1120006208	42.1	41.9	-0.182	45.0	0.931	8.91	0.2	< 0.5	10	370	< 1	11	8	59	1.81	16	< 10	24	< 0.5	< 2	1.95	6	115
1120002054	31.3	29.0	-2.37	34.0	0.853	8.96	0.7	0.8	27	872	< 1	12	176	283	2.46	36	< 10	36	< 0.5	< 2	2.04	6	170
v835761							9.9	< 0.5	51	349	20	13	7	55	1.69	< 2	< 10	88	< 0.5	< 2	1.24	13	13
1231020187	52.6	15.5	-37.1	58.2	0.267	8.77	0.6	2.4	185	431	6	12	< 2	755	0.96	9	< 10	15	< 0.5	< 2	0.86	8	176
1231021031	25.3	14.6	-10.7	24.8	0.588	8.61	0.5	< 0.5	62	452	2	17	3	121	2.20	8	< 10	47	< 0.5	< 2	1.28	10	75
1231020149	32.7	26.4	-6.31	36.1	0.730	9.02	0.2	1.0	41	535	2	9	2	351	1.34	4	< 10	33	< 0.5	< 2	1.30	8	121
1230026250	64.8	14.3	-50.5	69.5	0.206	8.77	0.5	1.3	149	409	5	11	4	462	1.37	8	< 10	12	< 0.5	< 2	0.92	8	143
1231021169	75.9	14.0	-61.9	81.2	0.172	8.64	0.5	< 0.5	45	374	< 1	10	4	186	1.93	20	< 10	13	< 0.5	6	0.82	6	70
1231021034	30.8	11.6	-19.3	33.4	0.346	8.81	0.4	1.0	48	756	< 1	9	12	415	2.32	10	< 10	37	< 0.5	< 2	0.77	7	74
1230026201	68.3	2.87	-65.5	72.3	0.0397	7.64	1.1	1.7	80	546	< 1	12	28	625	1.74	24	< 10	11	< 0.5	< 2	0.07	10	93
1230026220	51.8	12.7	-39.0	54.8	0.232	8.65	0.3	< 0.5	95	447	4	10	< 2	94	1.29	13	< 10	14	< 0.5	< 2	1.32	8	112
1231020101	50.4	29.9	-20.5	55.1	0.543	8.76	0.5	< 0.5	90	336	3	13	5	79	1.30	11	< 10	15	< 0.5	< 2	0.78	8	202
1231021060	20.3	21.4	1.05	19.9	1.07	8.78	< 0.2	< 0.5	18	449	< 1	9	5	146	2.00	6	< 10	46	< 0.5	< 2	1.28	7	102
1231020064	54.0	12.6	-41.3	57.9	0.218	8.54	0.6	< 0.5	103	332	3	17	< 2	74	1.38	10	< 10	15	< 0.5	3	0.82	9	224
1231020185	53.7	22.0	-31.7	60.0	0.367	8.62	0.5	3.5	162	371	2	12	3	1080	0.82	7	< 10	17	< 0.5	< 2	0.94	8	172
1230026186	44.4	20.7	-23.7	49.9	0.415	8.86	1.1	1.5	548	556	2	13	2	690	1.37	5	< 10	17	< 0.5	< 2	0.96	8	262
2137524031	12.5	3.87	-8.63	12.3	0.316	9.10	0.3	< 0.5	23	432	< 1	21	8	87	2.76	7	< 10	80	< 0.5	< 2	1.36	10	148
2137524145	1.25	16.8	15.5	1.23	13.7	9.27	< 0.2	< 0.5	8	385	< 1	15	3	68	3.66	< 2	< 10	95	< 0.5	< 2	2.46	8	174
2137524201	4.06	29.1	25.0	3.98	7.31	9.33	0.2	< 0.5	14	350	< 1	13	6	65	1.53	3	< 10	79	< 0.5	< 2	1.51	7	193
v835762							4.0	< 0.5	23	144	6	7	< 2	26	0.73	< 2	< 10	26	< 0.5	4	0.66	5	9
2137524267	8.44	12.7	4.30	8.27	1.54	8.89	< 0.2	< 0.5	18	424	1	13	8	87	2.04	5	< 10	52	< 0.5	< 2	1.15	9	168
1231018211	20.8	12.2	-8.59	23.6	0.519	8.49	0.4	< 0.5	65	375	1	20	33	139	1.49	10	< 10	46	< 0.5	< 2	0.94	10	162
1231018265	40.1	7.20	-32.9	43.2	0.167	8.24	0.5	< 0.5	183	309	< 1	9	2	76	1.32	8	< 10	22	< 0.5	5	0.46	6	97
1230026135	68.1	20.0	-48.2	74.7	0.267	8.49	0.7	< 0.5	143	416	3	16	< 2	102	1.18	7	< 10	12	< 0.5	< 2	0.87	8	255

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230026169	70.3	7.11	-63.2	80.2	0.0886	8.60	4.1	8.7	512	539	< 1	20	20	2390	1.83	37	< 10	11	< 0.5	2	0.43	11	142
1230026001	54.5	11.8	-42.6	59.1	0.200	8.77	0.9	0.6	50	985	2	13	25	271	1.32	32	< 10	14	< 0.5	< 2	0.50	9	83
1230026139	31.1	20.6	-10.5	34.6	0.596	9.15	< 0.2	< 0.5	29	468	< 1	10	4	106	1.58	4	< 10	25	< 0.5	< 2	1.02	6	127
1230026077	64.5	6.23	-58.2	69.2	0.0900	8.08	1.5	< 0.5	40	834	1	15	25	270	1.43	33	< 10	10	< 0.5	< 2	0.32	10	86
1231016289	63.8	12.0	-51.9	68.3	0.175	8.54	1.1	< 0.5	41	300	< 1	13	8	51	1.53	16	< 10	13	< 0.5	6	0.63	8	85
1230026103	27.1	5.10	-22.0	30.9	0.165	9.22	0.5	< 0.5	31	1220	< 1	9	14	207	1.49	19	< 10	27	< 0.5	< 2	0.27	9	45
1230027273	19.1	3.50	-15.6	18.7	0.187	8.34	< 0.2	< 0.5	26	569	< 1	8	6	177	3.47	5	< 10	47	< 0.5	< 2	0.69	8	43
1230027327	19.4	1.75	-17.6	19.0	0.0919	8.31	0.3	< 0.5	72	548	< 1	9	4	271	3.10	3	11	50	< 0.5	< 2	0.58	8	46
1230026047	70.5	21.7	-48.8	76.3	0.285	8.77	0.5	< 0.5	112	396	3	16	2	127	1.12	7	< 10	12	< 0.5	< 2	0.92	9	145
1230026161	37.8	1.25	-36.6	37.1	0.0336	8.24	1.0	0.5	22	200	< 1	10	29	218	1.77	52	< 10	30	< 0.5	< 2	0.08	8	79
1230027271	27.4	7.72	-19.7	30.0	0.257	8.30	0.3	< 0.5	85	555	< 1	9	8	135	3.09	10	< 10	40	< 0.5	5	0.84	8	72
1230027164	72.8	11.2	-61.6	79.0	0.142	8.40	0.8	< 0.5	116	426	2	16	6	130	1.99	14	< 10	14	< 0.5	4	1.06	9	154
v835763							2.3	< 0.5	59	406	11	18	7	58	1.76	< 2	< 10	91	< 0.5	< 2	1.41	15	12
1120002172	32.3	15.9	-16.4	36.4	0.436	8.83	0.4	4.2	45	729	1	11	20	1160	2.20	28	< 10	35	< 0.5	< 2	1.29	6	166
1120002205	30.5	23.5	-6.98	34.3	0.686	9.11	0.6	2.4	27	717	< 1	9	79	643	2.20	27	< 10	41	< 0.5	< 2	1.65	6	121
1230025093	50.1	17.2	-32.9	53.9	0.319	8.83	0.5	< 0.5	159	508	3	14	3	75	1.13	11	< 10	16	< 0.5	< 2	0.93	7	287
1120002127	37.3	9.85	-27.4	41.7	0.237	8.85	0.7	4.5	33	652	< 1	12	32	1240	1.83	32	< 10	33	< 0.5	< 2	0.98	8	183
1120002186	25.6	18.3	-7.30	28.2	0.650	8.85	0.9	1.1	30	735	< 1	12	75	317	2.90	23	< 10	39	< 0.5	< 2	1.99	5	253
1120002161	26.3	29.9	3.55	33.1	0.904	9.18	0.8	7.8	49	1060	< 1	10	49	2020	1.65	36	< 10	37	< 0.5	< 2	1.52	6	142
1230025070	52.3	22.6	-29.7	59.1	0.383	8.87	0.4	< 0.5	152	486	4	14	< 2	199	1.23	5	< 10	18	< 0.5	< 2	1.11	7	220
1120011014	23.3	6.50	-16.8	27.9	0.233	9.04	0.3	< 0.5	14	552	< 1	12	14	180	1.36	43	< 10	36	< 0.5	< 2	0.29	6	151
1120011142	48.9	36.6	-12.3	55.1	0.664	8.51	0.8	1.9	44	1120	< 1	13	25	529	1.17	69	< 10	24	< 0.5	< 2	1.50	6	175
1120002018	53.2	17.7	-35.5	62.2	0.285	8.63	1.4	13.4	80	727	< 1	12	57	3550	1.30	110	< 10	24	< 0.5	< 2	0.84	8	188
1120002025	49.9	35.3	-14.6	57.3	0.616	8.86	1.1	13.0	58	802	< 1	10	25	3400	1.01	59	< 10	24	< 0.5	< 2	1.48	6	196
1120011041	60.0	30.2	-29.8	65.2	0.463	8.62	0.7	6.4	56	530	< 1	12	8	1500	0.74	103	< 10	28	< 0.5	< 2	1.37	6	195
1230025058	61.8	12.6	-49.2	66.5	0.190	8.65	0.2	0.6	59	476	4	15	< 2	272	1.21	8	< 10	35	< 0.5	< 2	0.77	10	234
1120011151	40.9	7.98	-32.9	43.5	0.184	8.66	1.3	< 0.5	24	467	< 1	15	44	151	1.01	81	< 10	28	< 0.5	< 2	0.37	5	245
1120010001	55.4	33.4	-22.0	61.6	0.542	8.92	0.9	6.8	63	873	< 1	14	44	1450	2.39	59	< 10	37	< 0.5	< 2	2.07	9	82
1120011019	41.1	8.37	-32.8	43.5	0.192	8.75	2.0	< 0.5	11	554	< 1	18	22	96	1.29	65	< 10	32	< 0.5	< 2	0.45	10	162
1120011128	44.9	19.3	-25.6	49.3	0.392	8.75	0.7	4.6	109	448	3	14	19	1180	0.89	77	< 10	32	< 0.5	< 2	0.91	8	191
1230025003	51.0	40.3	-10.7	56.3	0.716	8.81	0.4	< 0.5	89	659	3	15	4	86	1.20	10	< 10	42	< 0.5	2	1.69	7	219
1120011124	55.5	8.61	-46.9	60.9	0.141	8.74	1.4	1.3	67	720	< 1	11	35	394	1.86	80	< 10	38	< 0.5	< 2	0.38	6	104
1230025115	72.2	7.49	-64.7	79.3	0.0944	8.61	1.0	< 0.5	328	333	4	12	3	45	1.60	11	< 10	40	< 0.5	3	0.61	10	112
1120010222	43.2	74.1	30.9	49.3	1.50	9.08	0.9	3.2	37	1700	< 1	11	70	844	1.16	39	< 10	41	< 0.5	< 2	2.60	7	79
v835764							3.9	< 0.5	22	139	7	5	< 2	26	0.61	< 2	< 10	26	< 0.5	< 2	0.58	5	9
1230024006	55.5	12.2	-43.3	60.0	0.204	8.60	0.7	< 0.5	127	381	3	12	3	128	1.78	9	< 10	46	< 0.5	< 2	1.09	8	89
1230024019	43.7	25.4	-18.3	49.0	0.518	8.94	0.3	2.2	84	522	4	12	< 2	670	1.59	9	< 10	53	< 0.5	< 2	1.40	8	159
1230024021	49.7	24.1	-25.6	54.8	0.440	8.70	0.3	2.6	89	528	4	14	< 2	775	1.26	11	< 10	42	< 0.5	< 2	1.18	8	264
1120002119	48.4	14.6	-33.8	58.8	0.248	8.87	1.3	18.9	84	688	< 1	9	51	4940	1.69	53	< 10	37	< 0.5	< 2	0.95	6	88
1231020052	34.7	15.4	-19.3	38.6	0.398	8.60	0.3	< 0.5	141	372	2	28	5	102	2.25	4	< 10	52	< 0.5	< 2	1.55	14	188
1120002001	55.0	18.3	-36.6	68.9	0.266	8.83	2.0	24.8	78	1060	< 1	9	149	6570	1.71	207	< 10	34	< 0.5	2	0.74	7	86
1120002050	41.6	42.2	0.615	48.7	0.866	8.88	0.9	7.9	84	1260	2	8	63	2110	1.48	44	< 10	38	< 0.5	< 2	1.75	6	81
1231021084	7.50	20.7	13.2	7.35	2.82	9.36	< 0.2	< 0.5	23	437	< 1	5	11	53	1.25	3	< 10	171	< 0.5	< 2	1.18	5	70
2137520222	1.25	14.6	13.3	1.23	11.9	9.45	< 0.2	< 0.5	10	479	< 1	13	3	74	3.36	< 2	< 10	115	< 0.5	< 2	2.15	7	102
1120011101	48.3	41.4	-6.97	56.0	0.738	9.04	1.4	7.9	90	872	< 1	10	24	2110	1.25	93	< 10	32	< 0.5	< 2	1.65	7	79
1120010180	53.7	70.9	17.2	59.4	1.19	9.12	0.9	2.7	43	1420	< 1	12	250	718	0.92	30	< 10	36	< 0.5	< 2	2.71	7	96
1120002111	34.7	24.6	-10.1	41.3	0.594	9.03	1.3	10.6	77	996	< 1	8	87	2760	1.51	54	< 10	49	< 0.5	< 2	1.01	6	94
1231021077	26.1	20.8	-5.31	29.4	0.709	8.77	0.5	< 0.5	41	583	< 1	11	5	166	1.66	13	< 10	85	< 0.5	< 2	1.20	7	113
1120010014	61.5	55.8	-5.72	68.9	0.810	8.77	3.0	5.0	61	1050	1	14	352	1420	1.30	51	< 10	39	< 0.5	2	2.40	8	109

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231021187	93.9	12.5	-81.5	101	0.124	8.51	0.4	1.5	52	682	< 1	11	3	504	2.18	18	< 10	31	< 0.5	7	0.74	7	58
1230026244	58.0	6.48	-51.5	63.4	0.102	8.60	0.9	1.2	71	499	< 1	13	21	332	1.47	15	< 10	35	< 0.5	2	0.52	8	184
1231021050	42.1	8.10	-34.0	47.8	0.169	8.55	11.1	5.1	56	789	< 1	9	44	1450	2.20	28	< 10	39	< 0.5	< 2	0.64	8	48
1231021188	85.1	11.2	-73.9	91.6	0.123	8.64	0.5	1.0	35	507	< 1	10	2	336	2.02	14	< 10	22	< 0.5	5	0.79	9	53
v835765							9.7	< 0.5	52	342	20	12	7	56	1.53	3	< 10	92	< 0.5	< 2	1.11	13	13
1121011227	54.4	43.0	-11.4	62.8	0.685	8.93	2.1	11.4	127	1010	< 1	11	88	2480	1.75	67	< 10	41	< 0.5	< 2	1.80	7	66
1121010062	32.4	33.9	1.51	36.1	0.938	8.83	0.6	< 0.5	34	780	< 1	28	24	138	1.94	54	< 10	65	< 0.5	< 2	1.48	11	125
1231015628	32.8	12.6	-20.2	36.1	0.349	8.89	0.6	0.7	42	729	< 1	11	4	350	2.93	12	< 10	65	< 0.5	< 2	1.40	9	79
1231015632	47.3	13.2	-34.1	52.7	0.251	8.57	0.8	4.4	43	746	< 1	6	8	1270	2.19	12	< 10	50	< 0.5	< 2	1.06	6	46
1121010147	62.6	7.09	-55.5	67.1	0.106	8.41	1.3	1.2	60	668	< 1	12	19	399	1.58	112	< 10	39	< 0.5	2	0.27	6	108
1231015468	70.0	17.5	-52.4	77.5	0.226	8.45	1.1	2.9	76	627	1	16	4	883	2.42	21	< 10	42	< 0.5	< 2	1.16	12	75
1121010173	80.9	24.5	-56.5	88.5	0.276	8.63	1.3	12.9	70	650	< 1	11	16	3080	0.94	104	< 10	31	< 0.5	3	1.07	7	80
1121010117	44.1	6.98	-37.1	43.2	0.162	8.59	0.9	0.9	22	596	< 1	14	31	243	1.41	72	< 10	37	< 0.5	< 2	0.34	7	220
1231015111	63.1	22.7	-40.4	69.2	0.328	8.36	0.9	6.6	159	692	1	22	9	1870	2.20	13	< 10	38	< 0.5	< 2	1.83	11	157
1231015444	42.4	6.25	-36.1	46.9	0.133	8.11	0.6	< 0.5	177	1050	< 1	57	4	164	3.09	14	< 10	48	0.7	2	0.60	14	195
1231015175	48.8	27.0	-21.8	55.1	0.491	8.44	1.6	1.9	98	682	2	13	36	600	2.00	24	< 10	45	< 0.5	< 2	1.64	8	135
1231015670	43.8	17.4	-26.5	50.8	0.342	8.56	2.7	6.9	108	1070	< 1	24	6	1870	4.12	13	< 10	45	< 0.5	< 2	2.10	10	112
1231015407	81.7	3.36	-78.3	86.4	0.0390	7.83	1.5	< 0.5	234	525	3	10	5	55	1.34	17	< 10	32	< 0.5	13	0.28	8	93
1121010170	51.7	54.3	2.65	56.7	0.959	8.77	1.4	3.4	81	1330	< 1	9	24	870	1.12	66	< 10	27	< 0.5	< 2	2.05	7	87
1121010167	51.2	40.6	-10.7	58.2	0.698	8.84	0.9	11.1	53	1070	< 1	10	33	2940	1.16	76	< 10	29	< 0.5	< 2	1.68	6	97
1231015240	69.8	16.4	-53.4	76.3	0.215	8.38	1.6	3.8	207	414	1	7	10	1160	1.86	39	< 10	37	< 0.5	4	1.14	7	111
1121010104	54.6	46.4	-8.21	60.3	0.768	8.81	1.2	5.5	90	1020	1	10	26	1410	0.86	72	< 10	38	< 0.5	< 2	1.91	6	93
1120001200	62.7	49.1	-13.6	68.3	0.719	8.78	1.7	1.5	41	1020	< 1	8	187	614	1.24	116	< 10	33	< 0.5	< 2	1.87	7	60
v835752							4.0	< 0.5	22	139	6	5	< 2	26	0.61	2	< 10	25	< 0.5	5	0.58	5	9
1231019028	37.3	26.5	-10.8	40.4	0.656	8.58	0.4	0.7	92	531	1	21	9	246	2.67	7	< 10	50	< 0.5	< 2	2.09	12	113
1120007124	29.4	36.4	6.99	33.4	1.09	9.03	0.7	< 0.5	36	868	< 1	11	32	111	2.90	29	< 10	56	< 0.5	< 2	2.39	8	69
1231019007	34.9	19.8	-15.1	41.0	0.483	8.53	0.4	< 0.5	108	611	2	14	3	202	1.94	7	< 10	56	< 0.5	< 2	1.30	9	125
1231018191	20.0	19.9	-0.0745	23.0	0.867	8.89	0.6	0.7	52	463	< 1	20	23	262	1.56	14	< 10	52	< 0.5	< 2	1.30	10	132
1231015526	57.2	14.1	-43.1	62.5	0.225	8.38	0.5	< 0.5	38	545	2	10	8	143	1.78	19	< 10	46	< 0.5	2	0.90	8	64
1120001123	23.1	48.4	25.3	26.6	1.82	8.98	0.8	< 0.5	33	767	< 1	14	32	110	2.12	18	< 10	73	< 0.5	< 2	2.46	8	87
1231018082	18.1	21.3	3.22	20.8	1.02	8.79	0.2	< 0.5	46	430	< 1	24	9	135	1.73	12	< 10	57	< 0.5	< 2	1.44	12	111
1231018208	39.6	25.0	-14.6	44.1	0.567	8.54	0.5	< 0.5	70	491	< 1	17	4	179	1.65	14	< 10	49	< 0.5	< 2	1.19	8	138
1231018037	16.3	23.8	7.55	15.9	1.49	8.92	0.2	< 0.5	51	451	< 1	26	7	73	1.64	4	< 10	50	< 0.5	< 2	1.53	12	114
2136004020	9.06	9.47	0.404	8.88	1.07	9.27	0.4	< 0.5	16	327	1	10	7	131	2.47	4	< 10	97	< 0.5	< 2	1.24	9	65
1231018232	24.5	17.8	-6.63	27.3	0.655	8.91	0.5	< 0.5	55	496	< 1	17	15	133	1.63	17	< 10	51	< 0.5	< 2	1.21	10	88
1231014398	47.5	23.2	-24.3	53.3	0.436	8.69	0.4	1.7	109	496	3	11	4	680	1.23	7	< 10	29	< 0.5	< 2	1.27	9	130
1231014355	62.9	20.3	-42.6	69.5	0.293	8.56	0.5	1.0	178	483	3	11	3	406	1.20	7	< 10	28	< 0.5	< 2	1.02	8	122
1120007091	21.1	20.8	-0.327	25.1	0.829	9.06	0.7	< 0.5	30	767	1	16	30	125	3.22	24	< 10	57	< 0.5	< 2	2.07	8	49
1231018146	14.7	16.6	1.93	17.8	0.935	8.87	0.3	< 0.5	62	467	1	32	7	81	2.02	6	< 10	53	< 0.5	< 2	1.57	14	114
2136004328	12.8	33.7	20.9	12.6	2.69	9.55	< 0.2	< 0.5	11	371	< 1	15	3	59	1.46	6	< 10	110	< 0.5	< 2	1.68	8	183
1231018030	19.2	33.5	14.3	24.2	1.38	8.59	1.9	< 0.5	79	656	1	25	7	114	2.12	12	< 10	52	< 0.5	< 2	1.89	14	102
1231015373	33.2	5.00	-28.2	36.1	0.138	8.16	0.4	< 0.5	97	487	1	17	8	91	1.78	6	< 10	32	< 0.5	< 2	0.77	11	143
1231018189	32.1	31.5	-0.608	35.8	0.878	8.50	1.4	0.9	50	595	< 1	19	28	297	1.68	15	< 10	34	< 0.5	< 2	1.51	9	137
v835753							2.9	< 0.5	33	267	13	12	18	45	1.36	< 2	< 10	67	< 0.5	< 2	2.09	10	12
1231013844	9.69	10.6	0.911	9.49	1.12	8.74	0.2	< 0.5	115	585	< 1	51	< 2	118	5.22	< 2	< 10	23	< 0.5	< 2	3.40	23	88
1231015189	69.0	7.37	-61.6	72.9	0.101	8.24	0.7	< 0.5	76	464	3	10	7	122	2.14	21	< 10	19	< 0.5	3	0.72	8	40
1121011238	51.9	19.2	-32.6	57.3	0.336	8.79	0.7	< 0.5	28	765	< 1	11	26	173	1.99	50	< 10	21	< 0.5	2	0.95	7	83
1231013963	46.2	24.9	-21.3	53.0	0.471	8.44	0.7	1.5	122	510	3	11	7	480	1.96	11	< 10	20	< 0.5	< 2	1.69	8	66
1121011063	53.5	51.1	-2.48	58.8	0.868	8.79	3.4	0.9	28	911	1	12	162	279	1.42	35	< 10	20	< 0.5	5	2.30	7	50

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231015117	60.5	17.8	-42.7	66.2	0.270	8.45	0.9	< 0.5	92	422	2	11	6	187	1.87	14	< 10	16	< 0.5	3	1.23	8	65
1121011037	48.6	42.3	-6.30	54.2	0.781	8.63	3.4	2.8	91	961	< 1	13	382	775	2.14	41	< 10	20	< 0.5	< 2	2.23	9	57
1231015553	37.1	31.8	-5.25	41.7	0.764	8.59	4.0	1.3	36	791	< 1	12	5	456	2.57	14	< 10	25	< 0.5	< 2	1.66	7	43
1231013897	3.75	7.16	3.41	3.67	1.95	8.92	0.2	< 0.5	123	607	< 1	55	< 2	61	5.52	2	< 10	19	< 0.5	< 2	3.58	25	96
1231015278	59.6	12.4	-47.2	65.8	0.188	8.28	0.6	2.7	108	416	1	10	3	847	1.65	16	< 10	16	< 0.5	< 2	0.84	7	119
1231015347	50.0	11.6	-38.4	56.0	0.207	8.61	0.7	2.6	62	556	< 1	13	7	830	2.46	15	< 10	24	< 0.5	4	0.95	11	55
1231013991	2.81	7.83	5.02	2.76	2.84	8.87	< 0.2	< 0.5	122	555	< 1	56	< 2	58	5.30	< 2	< 10	23	< 0.5	< 2	3.53	25	115
1121011090	56.2	69.2	12.9	65.2	1.06	8.46	1.6	1.3	221	1190	7	15	49	416	1.19	22	< 10	17	< 0.5	< 2	2.49	8	100
1231015316	57.4	21.2	-36.2	62.8	0.337	8.35	0.9	< 0.5	151	572	< 1	12	6	124	2.40	18	< 10	15	< 0.5	< 2	1.09	7	66
1231014077	54.3	32.5	-21.8	60.9	0.533	8.73	0.4	1.7	75	525	4	17	3	565	1.25	8	< 10	16	< 0.5	< 2	1.47	8	198
1231015431	43.5	19.2	-24.3	47.5	0.405	8.51	0.5	0.9	38	609	< 1	6	9	358	2.65	19	< 10	23	< 0.5	< 2	1.56	6	62
1121011095	43.5	65.0	21.5	49.3	1.32	8.83	2.3	2.8	151	1670	3	12	251	805	1.28	32	< 10	29	< 0.5	< 2	2.71	7	91
1231015131	66.2	5.00	-61.2	69.8	0.0715	7.60	0.5	< 0.5	116	339	3	7	6	102	2.08	20	< 10	14	< 0.5	< 2	0.37	7	41
1121010013	31.8	18.4	-13.4	37.7	0.489	8.53	1.0	0.9	41	716	1	14	47	272	1.91	54	< 10	35	< 0.5	< 2	1.28	8	79
v835754							9.1	< 0.8	47	362	20	15	6	56	1.80	< 3	< 16	100	< 0.8	< 3	1.35	13	14
1230022284	10.8	12.5	1.63	13.8	0.904	8.70	< 0.2	< 0.5	25	553	< 1	13	8	140	4.57	7	12	88	< 0.5	< 2	1.99	10	63
1231014135	34.5	22.0	-12.5	42.0	0.523	9.22	0.4	< 0.5	133	435	2	13	< 2	57	1.60	8	< 10	23	< 0.5	< 2	0.99	6	282
1230022034	48.1	1.24	-46.9	51.8	0.0240	7.90	1.5	1.1	57	518	2	12	25	489	3.29	19	< 10	24	0.7	4	0.35	9	51
1231014139	36.6	32.3	-4.28	43.8	0.737	8.66	0.3	< 0.5	109	608	2	22	2	92	1.64	6	< 10	17	< 0.5	< 2	1.38	8	450
1231014101	51.7	16.2	-35.5	55.1	0.294	8.64	0.2	< 0.5	94	514	6	12	3	100	1.23	9	< 10	14	< 0.5	< 2	0.80	8	138
1231013310	49.4	22.9	-26.5	54.2	0.422	8.72	0.3	1.7	90	472	4	12	< 2	542	1.49	8	< 10	21	< 0.5	< 2	1.18	13	161
1231014081	54.9	13.8	-41.0	58.2	0.238	8.77	0.4	1.0	91	485	4	12	< 2	346	1.15	9	< 10	16	< 0.5	< 2	0.81	8	156
1231013606	76.1	9.92	-66.2	82.4	0.120	8.35	1.5	< 0.5	284	473	3	14	4	65	2.68	16	< 10	15	< 0.5	3	1.27	8	104
1230022011	7.70	31.2	23.5	10.7	2.91	8.34	< 0.2	< 0.5	43	914	< 1	32	3	107	3.17	3	14	64	< 0.5	< 2	1.92	14	141
1230022213	14.7	8.11	-6.57	14.4	0.564	8.78	< 0.2	< 0.5	31	393	< 1	9	10	75	2.66	6	< 10	63	< 0.5	< 2	1.11	7	100
1230022224	14.4	8.84	-5.54	14.1	0.627	8.88	< 0.2	< 0.5	22	400	< 1	9	6	82	3.78	< 2	< 10	62	< 0.5	< 2	2.07	7	64
1231015005	40.3	28.2	-12.1	44.1	0.640	8.68	0.4	< 0.5	80	426	< 1	16	5	137	1.83	8	< 10	22	< 0.5	< 2	1.46	8	101
1230022075	28.8	14.5	-14.3	28.2	0.513	8.73	< 0.2	0.8	47	509	< 1	10	7	267	2.44	9	< 10	45	< 0.5	< 2	1.39	8	89
1231013738	40.4	53.3	12.9	45.3	1.18	7.70	1.1	1.0	76	1260	< 1	40	34	359	2.40	18	< 10	30	< 0.5	< 2	2.73	14	103
1121008101	0.203	58.7	58.5	3.98	14.7	9.01	< 0.2	< 0.5	18	665	< 1	29	6	100	2.13	6	< 10	109	< 0.5	< 2	2.66	12	105
1231013719	19.6	20.3	0.750	22.4	0.909	8.91	0.4	0.6	84	574	1	16	22	221	2.23	7	< 10	58	< 0.5	3	1.51	11	70
1231013614	24.3	30.7	6.42	27.0	1.14	8.77	< 0.2	< 0.5	21	548	< 1	15	6	70	2.86	16	< 10	47	< 0.5	< 2	1.89	8	84
1121011212	50.1	77.6	27.5	56.0	1.38	8.70	1.9	4.3	61	1420	< 1	12	535	1150	1.03	26	< 10	23	< 0.5	< 2	2.43	7	72
1121011253	40.6	79.6	39.0	46.9	1.70	8.88	1.3	3.2	51	1450	< 1	11	382	797	0.99	40	< 10	30	< 0.5	< 2	2.84	7	63
v835755							2.8	< 0.5	34	274	16	12	16	46	1.34	4	< 10	68	< 0.5	< 2	2.10	11	12
1120001164	30.9	47.4	16.5	30.3	1.56	9.00	0.9	< 0.5	22	1010	< 1	8	38	168	1.83	84	< 10	38	< 0.5	< 2	2.17	6	84
1120001159	29.9	30.7	0.773	34.6	0.886	8.83	0.6	< 0.5	25	747	< 1	10	24	107	2.38	30	< 10	35	< 0.5	< 2	1.86	8	61
1231015236	49.1	22.6	-26.4	54.2	0.418	8.66	0.8	0.8	97	570	2	11	21	269	1.98	33	< 10	21	< 0.5	< 2	1.53	8	125
1231015024	36.8	17.9	-18.9	41.0	0.435	8.58	0.3	0.5	116	425	2	20	4	201	2.44	6	< 10	29	< 0.5	< 2	2.07	13	133
1231015340	118	14.2	-104	130	0.109	8.28	0.8	0.7	135	758	< 1	33	6	352	2.57	24	< 10	11	< 0.5	3	1.15	22	109
1120001136	33.4	43.3	9.91	36.4	1.19	8.57	0.8	0.7	22	914	< 1	10	81	251	1.98	51	< 10	37	< 0.5	< 2	2.22	6	94
1231014357	45.9	35.8	-10.1	52.4	0.684	8.56	0.5	0.6	142	616	3	17	3	297	1.39	8	< 10	18	< 0.5	< 2	1.74	11	283
1120001137	35.4	22.3	-13.1	38.0	0.588	8.73	0.4	< 0.5	20	838	< 1	11	45	119	2.79	51	< 10	34	< 0.5	< 2	1.73	7	150
1120001113	36.9	44.8	7.89	41.0	1.09	8.84	1.1	< 0.5	27	786	< 1	12	62	222	1.71	35	< 10	21	< 0.5	< 2	2.15	7	54
1231014373	64.8	17.6	-47.2	70.1	0.251	8.83	0.5	1.4	153	413	3	16	3	576	1.27	8	< 10	12	< 0.5	< 2	0.87	9	156
1231015566	44.9	0.125	-44.8	48.7	0.00256	8.87	0.5	< 0.5	135	602	1	10	3	95	2.05	14	< 10	19	< 0.5	< 2	0.88	9	66
2136004332	0.625	43.5	42.9	0.613	71.0	9.39	< 0.2	< 0.5	5	327	2	15	< 2	54	1.15	< 2	< 10	91	< 0.5	< 2	1.96	7	240
1231015496	22.3	45.8	23.5	27.6	1.66	8.93	0.6	1.2	165	1200	< 1	94	7	430	2.95	33	< 10	96	0.5	< 2	2.79	16	275
1120007006	8.43	49.5	41.1	12.6	3.94	8.92	0.5	< 0.5	25	653	< 1	19	7	117	2.30	9	< 10	90	< 0.5	< 2	2.68	10	70

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231015692	14.1	37.2	23.2	13.8	2.70	9.27	0.3	< 0.5	68	440	< 1	13	5	87	1.54	4	< 10	68	< 0.5	< 2	1.30	7	143
1120007122	25.7	31.6	5.84	29.4	1.07	8.95	0.7	< 0.5	34	893	< 1	10	36	123	3.66	29	< 10	65	< 0.5	< 2	2.80	8	48
1231015536	27.8	16.0	-11.8	31.5	0.508	8.87	0.8	2.3	121	514	< 1	10	11	650	1.34	18	< 10	50	< 0.5	< 2	0.89	7	75
v835756							4.0	< 0.5	22	141	7	5	< 2	27	0.65	< 2	< 10	25	< 0.5	< 2	0.60	5	9
1120001117	17.0	51.8	34.8	20.5	2.53	9.28	0.6	< 0.5	41	820	< 1	15	30	144	1.83	20	< 10	80	< 0.5	< 2	2.28	8	77
1120001122	26.7	39.7	13.1	30.3	1.31	8.97	0.8	< 0.5	22	627	< 1	22	36	122	2.00	22	< 10	76	< 0.5	< 2	2.13	9	121
1120007016	11.0	48.4	37.3	15.0	3.22	9.06	0.6	< 0.5	60	610	< 1	13	5	153	1.69	7	< 10	87	< 0.5	< 2	2.09	8	105
1231017028	25.1	13.3	-11.8	28.2	0.472	9.08	0.3	1.8	33	752	< 1	10	3	620	2.11	8	< 10	70	< 0.5	< 2	1.09	7	109
1120003182	47.0	48.7	1.73	52.7	0.925	8.88	1.6	2.9	59	1100	< 1	9	147	955	1.36	96	< 10	39	< 0.5	< 2	1.90	6	85
1120003183	43.9	34.6	-9.33	49.0	0.706	9.00	1.7	2.7	49	938	< 1	9	164	853	1.66	85	< 10	37	< 0.5	< 2	1.62	6	88
1120007058	17.5	66.5	49.0	27.0	2.47	8.85	1.2	0.8	74	1140	1	34	4	238	3.21	11	< 10	48	< 0.5	< 2	2.97	25	84
1120003077	34.3	25.9	-8.32	39.2	0.662	8.92	0.7	1.7	30	938	1	9	43	536	2.49	33	< 10	41	< 0.5	< 2	1.73	6	76
1120003134	43.7	47.8	4.08	49.9	0.958	8.42	1.4	4.2	150	1240	4	10	80	1320	1.16	72	< 10	33	< 0.5	< 2	1.95	6	138
1231017624	26.5	20.2	-6.21	29.1	0.696	8.98	< 0.2	< 0.5	47	566	< 1	13	2	224	1.59	8	< 10	53	< 0.5	< 2	1.11	6	220
1120007111	25.0	28.1	3.07	24.5	1.15	8.88	0.6	< 0.5	24	535	< 1	12	10	75	2.79	40	< 10	46	< 0.5	< 2	2.06	7	111
1231017753	28.7	26.2	-2.56	31.9	0.822	8.91	0.3	1.1	71	527	3	15	3	346	1.40	6	< 10	46	< 0.5	< 2	1.38	9	181
1120001119	5.31	64.8	59.5	9.49	6.83	8.89	< 0.2	< 0.5	31	736	< 1	33	8	115	2.47	9	< 10	115	< 0.5	< 2	3.08	12	172
1120003141	51.7	54.5	2.82	57.9	0.941	8.70	2.4	1.0	38	1220	< 1	12	42	357	1.66	115	< 10	43	< 0.5	< 2	2.29	8	119
1120003167	33.6	9.40	-24.2	36.4	0.258	8.67	0.4	< 0.5	21	746	< 1	13	16	209	2.91	53	< 10	48	< 0.5	< 2	1.58	9	194
1231017723	41.1	16.7	-24.4	45.0	0.372	8.70	0.4	1.1	123	533	3	12	3	414	1.28	6	< 10	43	< 0.5	< 2	0.89	7	214
1120003230	39.3	36.8	-2.48	43.5	0.846	8.66	1.3	0.7	38	765	< 1	13	51	251	3.03	49	< 10	49	< 0.5	< 2	2.52	8	145
1120003060.	109	32.6	-76.4	122	0.268	8.48	2.0	6.9	27	714	< 1	12	256	1990	1.83	150	< 10	36	< 0.5	< 2	1.55	8	85
v835757							9.3	< 0.5	52	343	20	13	6	54	1.55	3	< 10	88	< 0.5	< 2	1.12	14	13

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1120003146	2.96	< 10	< 1	0.25	22	1.14	0.174	0.057	1.79	< 2	1	80	0.04	< 1	< 2	< 10	18	< 10	3	12	0.09	1.78	2.139
1120003010	2.81	< 10	< 1	0.28	16	0.75	0.039	0.037	2.53	< 2	< 1	23	< 0.01	1	< 2	< 10	6	< 10	2	21	0.16	2.49	0.826
1231016085	2.35	< 10	< 1	0.24	15	0.99	0.069	0.045	1.55	< 2	2	21	< 0.01	< 1	< 2	< 10	17	< 10	3	11	0.24	1.45	0.055
1231017669	2.64	< 10	< 1	0.15	14	0.99	0.083	0.044	1.99	2	1	26	0.02	< 1	< 2	< 10	16	< 10	3	16	0.17	1.86	0.191
1231016019	2.48	< 10	< 1	0.36	16	1.29	0.138	0.045	0.68	< 2	2	50	0.05	< 1	< 2	< 10	26	< 10	3	11	0.09	0.68	0.066
1120003034	2.22	< 10	< 1	0.31	18	1.14	0.095	0.041	1.02	3	1	72	0.03	1	< 2	< 10	13	< 10	3	4	0.42	0.98	0.219
1120003153	2.72	< 10	< 1	0.23	23	1.18	0.170	0.056	1.51	< 2	1	81	0.02	< 1	< 2	< 10	14	< 10	3	5	0.17	1.51	0.200
1231016116	2.26	< 10	< 1	0.28	16	0.94	0.067	0.048	1.42	< 2	2	20	0.01	< 1	< 2	< 10	17	< 10	3	10	0.09	1.40	0.052
1120003058	3.16	< 10	< 1	0.24	20	1.26	0.093	0.053	1.69	< 2	1	60	0.04	2	< 2	< 10	16	< 10	3	12	0.25	1.75	1.147
1120003154	2.63	< 10	< 1	0.25	22	1.03	0.096	0.056	2.01	2	1	53	< 0.01	< 1	< 2	< 10	11	< 10	3	5	0.39	2.00	0.152
1231017741	2.37	< 10	< 1	0.12	14	1.01	0.092	0.043	1.63	< 2	1	30	< 0.01	< 1	< 2	< 10	17	< 10	3	15	0.19	1.62	0.040
1231017744	2.26	< 10	< 1	0.14	13	0.89	0.073	0.042	1.41	< 2	2	26	0.03	< 1	< 2	< 10	20	< 10	3	13	0.24	1.37	0.069
1231016161	3.01	< 10	< 1	0.35	19	1.00	0.144	0.055	1.78	< 2	2	76	0.03	4	< 2	< 10	23	< 10	3	11	0.14	1.85	0.066
1120003212	2.11	< 10	< 1	0.23	15	0.96	0.177	0.043	1.21	3	< 1	76	< 0.01	< 1	< 2	< 10	10	< 10	3	3	0.31	1.22	0.329
1231017653	2.11	< 10	< 1	0.15	16	0.93	0.114	0.047	0.91	< 2	1	39	< 0.01	< 1	< 2	< 10	14	< 10	3	3	0.17	0.92	0.100
1120004101	2.71	< 10	< 1	0.27	14	0.96	0.025	0.039	2.11	3	< 1	13	< 0.01	< 1	< 2	< 10	6	< 10	2	17	0.28	2.20	0.487
1120004184	3.60	< 10	< 1	0.31	16	0.66	0.026	0.044	2.96	4	< 1	8	< 0.01	< 1	< 2	< 10	8	< 10	2	15	0.09	2.94	0.904
1120004156	2.45	< 10	< 1	0.23	< 10	0.75	0.027	0.044	2.43	2	< 1	23	< 0.01	< 1	< 2	< 10	4	< 10	2	10	0.99	2.50	0.344
1120004151	2.46	< 10	< 1	0.29	< 10	1.00	0.031	0.042	2.24	3	< 1	24	< 0.01	< 1	< 2	< 10	4	< 10	2	8	1.23	2.38	0.413
1120004091	2.87	< 10	< 1	0.38	17	1.22	0.038	0.040	1.95	< 2	< 1	29	0.04	< 1	< 2	< 10	10	< 10	3	25	0.15	1.99	0.218
v835759	4.14	< 10	< 1	0.33	12	0.78	0.251	0.072	0.07	< 2	6	35	0.49	9	< 2	< 10	133	< 10	19	18	0.02	0.08	1.002
1120004211	4.53	< 10	1	0.31	13	0.95	0.025	0.040	2.96	3	1	10	0.02	< 1	< 2	< 10	10	< 10	2	11	0.12	3.08	0.700
1120004228	2.09	< 10	< 1	0.29	10	1.08	0.032	0.041	1.46	2	< 1	25	< 0.01	< 1	< 2	< 10	6	18	2	3	0.99	1.45	0.476
1120005187	1.87	< 10	< 1	0.32	14	1.06	0.115	0.037	0.60	< 2	< 1	44	< 0.01	< 1	< 2	< 10	9	< 10	2	2	0.36	0.63	0.056
1230023041	2.50	< 10	< 1	0.23	17	1.17	0.071	0.057	0.58	< 2	2	66	0.04	< 1	< 2	< 10	28	< 10	3	5	0.11	0.59	0.018
1120005199	2.12	< 10	< 1	0.31	12	1.71	0.084	0.035	0.92	< 2	< 1	37	< 0.01	< 1	< 2	< 10	10	< 10	2	4	0.51	0.90	0.126
1230023050	5.56	< 10	4	0.04	< 10	2.90	0.534	0.018	0.09	< 2	12	92	0.26	< 1	< 2	< 10	166	< 10	5	4	0.24	0.09	< 0.005
1120005179	2.17	< 10	< 1	0.19	15	0.93	0.091	0.042	0.36	< 2	2	35	0.02	< 1	< 2	< 10	22	< 10	4	2	0.54	0.39	0.018
1120004076	4.12	< 10	< 1	0.41	13	0.95	0.033	0.039	3.19	3	< 1	14	< 0.01	< 1	< 2	< 10	9	< 10	2	17	0.14	3.18	1.406
1231016239	2.88	< 10	< 1	0.24	14	1.00	0.123	0.042	1.78	3	2	38	0.02	< 1	< 2	< 10	20	< 10	2	10	0.10	1.90	0.207
1120004069	4.40	< 10	< 1	0.39	< 10	0.86	0.035	0.041	4.24	3	< 1	13	< 0.01	< 1	< 2	< 10	8	< 10	2	17	0.22	4.11	2.423
1231017752	2.28	< 10	< 1	0.13	12	0.84	0.085	0.040	1.24	< 2	2	34	0.03	< 1	< 2	< 10	20	< 10	3	14	0.30	1.28	0.236
1120004118	2.37	< 10	< 1	0.23	< 10	0.59	0.028	0.045	2.48	6	< 1	18	< 0.01	< 1	< 2	< 10	4	< 10	2	15	0.73	2.49	4.422
1120004245	4.77	< 10	< 1	0.43	15	1.31	0.026	0.053	3.05	2	2	36	0.05	4	2	< 10	18	< 10	3	18	0.17	3.02	1.613
1120005157	1.54	< 10	< 1	0.31	13	0.86	0.114	0.036	0.63	< 2	< 1	38	< 0.01	< 1	< 2	< 10	8	< 10	3	2	0.47	0.63	0.076
1120005211	2.29	< 10	< 1	0.25	15	1.11	0.189	0.046	0.65	< 2	2	84	0.01	< 1	< 2	< 10	22	< 10	3	2	0.56	0.63	0.284
1120006061	1.74	< 10	< 1	0.32	13	0.81	0.140	0.037	0.49	< 2	< 1	52	< 0.01	< 1	2	< 10	9	< 10	2	2	0.71	0.51	0.045
1120006082	2.35	< 10	< 1	0.39	< 10	0.74	0.038	0.053	2.13	< 2	2	24	< 0.01	< 1	< 2	< 10	10	< 10	2	4	0.71	2.15	1.206
1120005170	1.96	< 10	< 1	0.29	12	1.66	0.096	0.035	0.84	< 2	< 1	51	< 0.01	< 1	< 2	< 10	9	< 10	2	4	0.46	0.85	0.180
1230023013	3.67	< 10	< 1	0.30	11	1.67	0.216	0.044	0.44	< 2	8	55	0.10	< 1	< 2	< 10	79	< 10	4	7	0.30	0.47	0.011
v835758	1.49	< 10	< 1	0.09	< 10	0.14	0.186	0.031	0.02	4	1	23	0.31	4	< 2	< 10	40	< 10	9	20	0.05	0.02	1.200
1231016254	2.13	< 10	1	0.27	15	0.94	0.137	0.039	1.70	< 2	1	63	< 0.01	2	< 2	< 10	13	< 10	2	9	0.16	1.76	0.025
1230023103	1.99	< 10	1	0.23	17	0.92	0.116	0.050	0.65	< 2	1	78	0.02	< 1	< 2	< 10	12	< 10	2	2	0.17	0.64	0.023
1120005141	2.58	< 10	< 1	0.33	21	1.26	0.119	0.055	1.16	< 2	1	62	< 0.01	< 1	< 2	< 10	14	< 10	3	4	0.34	1.18	2.637
1120004022	5.26	< 10	< 1	0.33	11	1.78	0.035	0.033	4.52	4	< 1	20	< 0.01	< 1	< 2	< 10	11	< 10	2	17	0.24	4.62	3.991
1230023052	5.48	< 10	3	0.04	< 10	2.88	0.511	0.019	0.08	< 2	10	85	0.29	1	< 2	< 10	154	< 10	5	4	0.19	0.07	0.006
1120005114	2.18	< 10	< 1	0.33	21	1.37	0.146	0.071	0.78	< 2	3	119	0.05	< 1	< 2	< 10	24	< 10	4	4	0.47	0.81	0.056
1120005103	3.29	< 10	< 1	0.58	28	2.31	0.073	0.108	0.68	3	5	184	0.12	< 1	< 2	< 10	56	< 10	6	7	1.21	0.71	0.278
1230023080	2.09	< 10	< 1	0.28	14	1.14	0.083	0.044	0.55	2	2	75	0.07	< 1	< 2	< 10	18	< 10	3	13	0.16	0.57	0.100
1120004014	4.12	< 10	< 1	0.31	14	1.65	0.038	0.070	2.64	4	4	68	0.01	< 1	< 2	< 10	33	< 10	4	4	0.78	3.02	2.080
1120005608	2.76	< 10	< 1	0.31	11	0.99	0.036	0.046	2.68	3	< 1	27	< 0.01	< 1	< 2	< 10	7	< 10	2	7	0.77	2.72	1.291

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1230024176	2.32	< 10	< 1	0.15	11	1.19	0.266	0.039	1.87	< 2	< 1	189	< 0.01	3	< 2	< 10	12	< 10	2	12	0.17	1.97	0.162
1230024140	2.87	< 10	< 1	0.25	15	1.26	0.118	0.041	1.06	2	1	84	0.02	< 1	< 2	< 10	18	< 10	3	5	0.37	1.10	0.252
1120004001	1.83	< 10	< 1	0.35	< 10	0.39	0.039	0.038	1.98	6	< 1	14	< 0.01	< 1	< 2	< 10	5	< 10	2	12	0.26	1.95	0.509
1120005101	2.21	< 10	< 1	0.34	15	1.06	0.068	0.048	0.98	< 2	1	32	< 0.01	< 1	< 2	< 10	14	< 10	3	2	0.39	0.98	0.523
1230024146	3.49	< 10	< 1	0.29	13	1.00	0.211	0.042	2.40	< 2	1	111	< 0.01	< 1	< 2	< 10	13	< 10	3	17	0.12	2.33	0.627
1230024147	3.14	< 10	< 1	0.25	13	0.92	0.211	0.040	2.26	< 2	< 1	104	< 0.01	5	< 2	< 10	11	13	3	17	0.11	2.33	0.378
1120006065	1.69	< 10	< 1	0.22	11	1.27	0.057	0.033	0.90	3	< 1	107	< 0.01	< 1	< 2	< 10	8	< 10	3	4	1.65	0.94	0.035
1120006106	2.83	< 10	< 1	0.37	11	1.46	0.035	0.051	2.00	< 2	2	31	< 0.01	< 1	< 2	< 10	11	< 10	2	3	1.09	2.15	0.633
v835760	3.69	< 10	< 1	0.25	11	0.61	0.340	0.061	0.06	< 2	5	41	0.51	9	< 2	< 10	106	< 10	18	15	0.04	0.06	1.623
1120006020	2.06	< 10	< 1	0.24	12	1.51	0.063	0.037	1.12	< 2	< 1	33	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.79	1.15	0.124
1120006116	2.71	< 10	< 1	0.30	13	0.53	0.038	0.053	2.67	< 2	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	2	14	0.39	2.61	1.879
1120006129	1.79	< 10	< 1	0.24	12	1.22	0.098	0.035	0.83	< 2	< 1	67	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.86	0.85	0.034
1230024088	2.43	< 10	< 1	0.20	12	0.79	0.075	0.038	1.58	< 2	1	25	0.01	< 1	< 2	< 10	17	< 10	3	16	0.32	1.62	0.133
1120006019	2.39	< 10	< 1	0.27	17	1.46	0.100	0.049	1.08	< 2	< 1	41	< 0.01	< 1	< 2	< 10	12	< 10	3	3	0.46	1.14	1.531
1120006012	2.30	< 10	< 1	0.33	10	0.87	0.037	0.045	2.25	5	< 1	19	< 0.01	< 1	< 2	< 10	6	< 10	3	9	0.73	2.20	3.496
1120006055	1.99	< 10	< 1	0.24	13	1.36	0.063	0.037	1.29	3	< 1	38	< 0.01	< 1	< 2	< 10	8	< 10	2	7	0.71	1.33	0.070
1230024037	2.20	< 10	< 1	0.25	13	0.72	0.103	0.043	1.47	2	1	52	0.03	< 1	< 2	< 10	12	< 10	2	14	0.18	1.53	0.341
1230024001	5.12	10	< 1	0.04	< 10	2.26	0.702	0.023	0.15	3	7	69	0.25	4	< 2	< 10	147	< 10	4	4	0.15	0.17	0.009
1120006005	2.08	< 10	< 1	0.25	< 10	1.05	0.032	0.044	1.57	3	< 1	24	< 0.01	< 1	< 2	< 10	4	< 10	2	2	1.20	1.52	0.659
1120006160	1.95	< 10	< 1	0.26	12	1.18	0.132	0.038	0.64	2	< 1	62	< 0.01	< 1	< 2	< 10	10	< 10	2	2	0.75	0.64	0.056
1120006170	2.18	< 10	< 1	0.26	< 10	0.72	0.033	0.042	2.23	3	< 1	22	< 0.01	< 1	< 2	< 10	5	< 10	2	13	0.75	2.35	0.875
1120006044	2.34	< 10	< 1	0.25	< 10	1.09	0.030	0.042	1.75	3	< 1	27	< 0.01	< 1	< 2	< 10	5	< 10	2	4	0.95	1.84	1.376
1230025128	2.27	< 10	< 1	0.18	17	0.98	0.131	0.046	2.22	< 2	1	35	< 0.01	1	< 2	< 10	10	< 10	3	15	0.16	2.31	0.081
1120006208	1.90	< 10	< 1	0.22	11	1.15	0.152	0.034	1.36	< 2	< 1	75	< 0.01	< 1	< 2	< 10	9	< 10	2	11	0.50	1.47	0.019
1120002054	1.94	< 10	< 1	0.34	17	1.22	0.095	0.036	1.08	2	< 1	62	0.02	< 1	< 2	< 10	12	< 10	2	3	0.37	1.11	0.234
v835761	3.53	< 10	< 1	0.24	11	0.59	0.326	0.058	0.05	< 2	4	40	0.50	7	< 2	< 10	104	< 10	18	16	0.02	0.07	1.598
1231020187	2.45	< 10	< 1	0.10	13	0.78	0.081	0.040	1.94	< 2	2	23	< 0.01	2	< 2	< 10	17	13	3	13	0.32	1.90	0.107
1231021031	2.65	< 10	< 1	0.22	15	1.19	0.092	0.057	0.74	< 2	3	61	0.08	3	< 2	< 10	39	< 10	4	11	0.25	0.81	0.127
1231020149	2.37	< 10	< 1	0.48	24	1.00	0.075	0.087	1.14	< 2	2	64	0.07	1	< 2	< 10	30	< 10	4	14	0.30	1.18	0.073
1230026250	2.38	< 10	< 1	0.14	14	0.84	0.127	0.041	2.16	< 2	2	42	< 0.01	< 1	< 2	< 10	14	< 10	3	13	0.18	2.27	0.076
1231021169	3.37	< 10	< 1	0.20	16	1.25	0.082	0.048	2.51	< 2	< 1	37	< 0.01	1	< 2	< 10	13	< 10	2	8	0.21	2.65	0.263
1231021034	2.60	< 10	< 1	0.24	15	1.44	0.133	0.039	1.04	< 2	1	50	< 0.01	< 1	< 2	< 10	14	< 10	3	6	0.17	1.09	0.113
1230026201	2.65	< 10	< 1	0.18	16	1.18	0.049	0.009	2.28	< 2	< 1	17	< 0.01	< 1	< 2	< 10	9	< 10	2	16	0.01	2.36	0.199
1230026220	2.51	< 10	< 1	0.19	14	0.91	0.099	0.041	1.78	< 2	1	33	< 0.01	< 1	< 2	< 10	14	< 10	3	10	0.21	1.79	0.141
1231020101	2.56	< 10	< 1	0.20	14	0.99	0.072	0.043	1.80	< 2	2	22	0.03	< 1	< 2	< 10	19	< 10	3	11	0.35	1.80	0.127
1231021060	2.01	< 10	< 1	0.20	28	1.01	0.103	0.058	0.65	< 2	1	80	0.01	< 1	< 2	< 10	16	< 10	3	1	0.28	0.65	0.037
1231020064	2.92	< 10	< 1	0.17	13	1.08	0.081	0.043	1.86	< 2	2	29	0.04	1	< 2	< 10	22	< 10	3	15	0.27	1.89	0.203
1231020185	2.34	< 10	< 1	0.09	13	0.75	0.076	0.040	1.93	< 2	2	21	< 0.01	5	< 2	< 10	16	< 10	2	13	0.30	1.96	0.066
1230026186	2.50	< 10	< 1	0.13	15	1.21	0.075	0.042	1.65	< 2	2	28	< 0.01	< 1	< 2	< 10	17	< 10	3	5	0.49	1.63	0.148
2137524031	2.35	< 10	< 1	0.48	21	1.05	0.227	0.057	0.39	< 2	2	133	0.11	< 1	< 2	< 10	31	< 10	4	15	0.07	0.40	0.015
2137524145	2.41	10	< 1	0.72	19	1.15	0.359	0.044	0.03	< 2	2	225	0.13	< 1	< 2	< 10	33	< 10	5	17	0.25	0.04	< 0.005
2137524201	1.89	< 10	< 1	0.44	20	0.66	0.140	0.044	0.14	< 2	2	61	0.10	< 1	< 2	< 10	24	< 10	4	8	0.35	0.13	< 0.005
v835762	1.52	< 10	< 1	0.09	< 10	0.14	0.196	0.031	0.02	< 2	1	24	0.31	4	< 2	< 10	39	< 10	9	17	0.05	0.02	1.197
2137524267	2.20	< 10	< 1	0.34	20	1.16	0.128	0.045	0.28	< 2	2	69	0.11	< 1	< 2	< 10	28	< 10	5	8	0.18	0.27	0.005
1231018211	2.27	< 10	< 1	0.23	17	0.85	0.079	0.049	0.74	< 2	3	44	0.09	< 1	< 2	< 10	37	< 10	5	12	0.21	0.77	0.125
1231018265	2.10	< 10	< 1	0.21	17	0.65	0.038	0.090	1.33	< 2	1	30	0.03	1	< 2	< 10	13	< 10	3	3	0.09	1.41	0.207
1230026135	3.03	< 10	< 1	0.13	14	1.08	0.065	0.039	2.51	3	1	28	< 0.01	< 1	< 2	< 10	13	< 10	3	11	0.41	2.44	0.093
1230026169	2.66	< 10	< 1	0.19	22	1.80	0.057	0.064	2.65	4	2	18	< 0.01	3	< 2	< 10	13	< 10	2	5	0.11	2.62	0.196
1230026001	2.37	< 10	< 1	0.21	17	0.86	0.078	0.039	1.93	< 2	< 1	32	< 0.01	< 1	< 2	< 10	7	< 10	2	12	0.24	1.93	0.067
1230026139	1.81	< 10	< 1	0.15	18	1.33	0.073	0.041	1.16	< 2	< 1	22	< 0.01	< 1	< 2	< 10	10	< 10	2	4	0.24	1.13	0.032
1230026077	2.66	< 10	< 1	0.18	18	0.83	0.077	0.029	2.29	< 2	< 1	33	< 0.01	< 1	< 2	< 10	8	< 10	2	13	0.14	2.26	0.148

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1231016289	3.13	< 10	< 1	0.28	12	1.07	0.038	0.042	2.29	2	< 1	15	< 0.01	< 1	< 2	< 10	11	< 10	2	13	0.19	2.23	0.189
1230026103	2.21	< 10	< 1	0.19	19	0.87	0.083	0.042	1.02	< 2	< 1	42	< 0.01	< 1	< 2	< 10	7	< 10	2	7	0.17	1.01	0.082
1230027273	2.53	< 10	< 1	0.13	18	1.34	0.062	0.065	0.57	< 2	1	118	< 0.01	< 1	< 2	< 10	19	< 10	2	2	0.02	0.61	0.049
1230027327	2.31	< 10	< 1	0.16	15	1.24	0.057	0.075	0.58	< 2	1	155	< 0.01	< 1	< 2	< 10	15	< 10	2	2	0.02	0.62	0.038
1230026047	2.77	< 10	< 1	0.12	12	1.01	0.068	0.038	2.36	< 2	1	24	< 0.01	< 1	< 2	< 10	13	15	2	18	0.24	2.49	0.144
1230026161	2.08	< 10	< 1	0.16	10	1.29	0.058	0.003	1.18	< 2	< 1	18	< 0.01	< 1	< 2	< 10	9	< 10	1	8	0.01	1.21	0.432
1230027271	3.03	< 10	< 1	0.17	17	1.25	0.074	0.052	1.01	< 2	1	106	< 0.01	< 1	< 2	< 10	16	< 10	2	4	0.06	0.98	0.112
1230027164	3.10	< 10	< 1	0.22	16	1.05	0.178	0.046	2.62	3	1	76	0.03	< 1	< 2	< 10	16	< 10	2	17	0.16	2.58	0.127
v835763	4.11	< 10	< 1	0.32	12	0.77	0.250	0.069	0.07	2	6	35	0.49	6	< 2	< 10	129	< 10	18	15	0.03	0.08	0.986
1120002172	2.17	< 10	< 1	0.31	17	1.35	0.049	0.041	1.17	< 2	< 1	37	0.02	< 1	< 2	< 10	9	< 10	2	4	0.25	1.19	0.076
1120002205	1.61	< 10	< 1	0.31	16	0.94	0.129	0.039	1.06	2	< 1	62	0.02	< 1	< 2	< 10	8	< 10	2	7	0.22	1.12	0.132
1230025093	2.48	< 10	< 1	0.11	13	0.88	0.065	0.042	1.74	< 2	1	20	0.03	4	< 2	< 10	16	< 10	3	19	0.20	1.76	0.303
1120002127	2.29	< 10	< 1	0.36	17	1.17	0.033	0.040	1.38	3	< 1	36	0.04	< 1	< 2	< 10	10	< 10	3	13	0.11	1.36	0.253
1120002186	1.90	< 10	< 1	0.25	16	1.11	0.200	0.039	0.96	< 2	< 1	72	0.02	< 1	< 2	< 10	11	< 10	2	3	0.29	0.92	0.747
1120002161	2.05	< 10	< 1	0.38	16	1.09	0.032	0.036	1.07	< 2	< 1	35	0.04	< 1	< 2	< 10	9	< 10	2	7	0.37	1.08	0.323
1230025070	2.41	< 10	< 1	0.12	13	0.93	0.087	0.041	1.87	< 2	1	28	< 0.01	< 1	< 2	< 10	14	< 10	3	18	0.25	1.93	0.147
1120011014	2.23	< 10	< 1	0.28	14	0.88	0.025	0.042	0.91	< 2	< 1	10	0.01	< 1	< 2	< 10	8	< 10	3	6	0.05	0.91	0.366
1120011142	2.76	< 10	< 1	0.28	16	0.68	0.026	0.041	1.74	3	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	3	7	0.51	1.80	0.209
1120002018	2.55	< 10	< 1	0.31	16	0.98	0.023	0.035	1.94	3	< 1	19	0.02	2	< 2	< 10	7	< 10	2	24	0.21	2.03	0.340
1120002025	2.32	< 10	< 1	0.25	14	0.77	0.026	0.035	1.91	3	< 1	25	< 0.01	< 1	< 2	< 10	5	< 10	2	22	0.50	1.87	0.179
1120011041	2.35	< 10	< 1	0.23	< 10	0.36	0.025	0.042	2.25	3	< 1	16	< 0.01	< 1	< 2	< 10	4	< 10	2	18	0.42	2.13	0.411
1230025058	2.76	< 10	< 1	0.10	12	0.84	0.098	0.041	2.20	< 2	1	32	< 0.01	1	3	< 10	14	10	3	18	0.13	2.17	0.160
1120011151	2.36	< 10	< 1	0.20	14	0.66	0.020	0.048	1.42	3	< 1	7	< 0.01	< 1	< 2	< 10	6	< 10	3	14	0.06	1.42	1.041
1120010001	2.68	< 10	< 1	0.31	14	1.10	0.082	0.040	2.14	< 2	< 1	46	0.03	< 1	< 2	< 10	8	< 10	2	20	0.45	2.01	1.875
1120011019	2.40	< 10	< 1	0.23	16	1.05	0.022	0.048	1.42	< 2	< 1	11	0.01	< 1	< 2	< 10	8	< 10	2	19	0.08	1.42	1.061
1120011128	2.06	< 10	< 1	0.26	15	0.52	0.026	0.048	1.68	< 2	< 1	10	< 0.01	< 1	< 2	< 10	5	< 10	3	17	0.30	1.61	0.274
1230025003	2.59	< 10	< 1	0.12	14	0.92	0.076	0.041	1.75	< 2	1	30	< 0.01	< 1	< 2	< 10	11	< 10	3	17	0.45	1.84	0.079
1120011124	4.03	< 10	< 1	0.30	14	1.27	0.023	0.043	1.95	3	1	10	0.02	1	< 2	< 10	10	< 10	3	14	0.11	1.99	1.073
1230025115	3.34	< 10	< 1	0.16	13	0.87	0.143	0.039	2.61	< 2	1	55	< 0.01	4	< 2	< 10	16	< 10	3	18	0.06	2.59	0.651
1120010222	1.97	< 10	< 1	0.33	< 10	1.18	0.037	0.042	1.59	2	< 1	29	< 0.01	< 1	< 2	< 10	6	< 10	2	12	1.10	1.61	0.752
v835764	1.50	< 10	< 1	0.08	< 10	0.13	0.163	0.031	0.02	< 2	1	20	0.31	3	< 2	< 10	39	< 10	9	21	0.04	0.02	1.172
1230024006	2.51	< 10	< 1	0.24	14	0.89	0.159	0.042	1.92	< 2	1	71	0.06	2	< 2	< 10	16	< 10	3	16	0.11	1.96	0.331
1230024019	2.40	< 10	< 1	0.23	13	0.91	0.143	0.040	1.60	< 2	1	57	0.03	< 1	< 2	< 10	18	< 10	3	16	0.29	1.60	0.097
1230024021	2.61	< 10	< 1	0.20	15	0.93	0.071	0.041	1.87	< 2	1	26	0.02	< 1	< 2	< 10	17	< 10	3	18	0.48	1.79	0.056
1120002119	2.56	< 10	< 1	0.37	17	1.14	0.030	0.040	1.84	< 2	< 1	33	0.05	2	< 2	< 10	11	< 10	2	28	0.20	1.92	0.416
1231020052	3.40	< 10	< 1	0.22	11	1.12	0.171	0.042	1.28	< 2	4	40	0.11	< 1	< 2	< 10	54	< 10	4	9	0.31	1.26	0.049
1120002001	3.33	< 10	1	0.42	15	1.26	0.022	0.035	2.21	3	< 1	20	0.02	1	< 2	< 10	10	< 10	2	26	0.23	2.25	0.434
1120002050	2.17	< 10	1	0.45	17	1.12	0.025	0.041	1.53	< 2	< 1	29	0.01	< 1	< 2	< 10	9	< 10	2	21	0.60	1.59	0.479
1231021084	1.23	< 10	< 1	0.28	51	0.42	0.064	0.079	0.23	< 2	< 1	88	0.01	3	< 2	< 10	8	< 10	4	6	0.27	0.24	0.009
2137520222	2.12	< 10	< 1	0.45	15	0.95	0.381	0.046	0.04	< 2	2	200	0.12	< 1	< 2	< 10	33	< 10	3	12	0.20	0.04	0.008
1120011101	2.37	< 10	< 1	0.36	14	0.80	0.030	0.041	1.84	2	< 1	29	< 0.01	< 1	< 2	< 10	6	< 10	2	19	0.58	1.83	0.238
1120010180	2.19	< 10	< 1	0.29	< 10	1.18	0.039	0.042	1.93	3	< 1	28	< 0.01	< 1	< 2	< 10	5	< 10	2	11	1.22	1.94	0.515
1120002111	2.35	< 10	< 1	0.42	16	1.13	0.026	0.043	1.35	2	< 1	39	0.03	< 1	< 2	< 10	10	< 10	2	23	0.31	1.35	1.276
1231021077	2.28	< 10	< 1	0.23	26	1.05	0.099	0.055	1.01	< 2	1	74	0.03	2	< 2	< 10	19	< 10	4	15	0.31	0.96	0.106
1120010014	2.32	< 10	< 1	0.27	15	0.68	0.049	0.047	2.34	3	< 1	32	< 0.01	2	< 2	< 10	6	< 10	2	18	0.73	2.25	0.755
1231021187	4.22	< 10	< 1	0.23	14	1.70	0.080	0.044	3.18	< 2	< 1	29	< 0.01	2	< 2	< 10	12	< 10	2	15	0.14	3.30	0.149
1230026244	2.10	< 10	< 1	0.15	14	1.31	0.078	0.046	2.10	2	< 1	22	< 0.01	< 1	< 2	< 10	8	< 10	2	17	0.20	2.07	0.054
1231021050	2.57	< 10	< 1	0.27	14	1.74	0.031	0.043	1.56	< 2	1	18	0.03	7	< 2	< 10	15	< 10	2	11	0.12	1.56	0.468
1231021188	3.68	< 10	< 1	0.24	16	1.43	0.097	0.044	2.93	3	< 1	36	< 0.01	2	< 2	< 10	12	< 10	2	16	0.15	2.99	0.161
v835765	3.49	< 10	< 1	0.24	10	0.58	0.283	0.060	0.06	< 2	4	36	0.49	2	< 2	< 10	102	< 10	18	13	0.02	0.06	1.524
1121011227	2.48	< 10	< 1	0.32	14	1.16	0.047	0.042	1.94	< 2	< 1	23	< 0.01	< 1	9	< 10	8	< 10	2	16	0.48	2.05	1.524

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1121010062	3.02	< 10	< 1	0.42	19	1.63	0.031	0.064	1.18	< 2	3	49	0.03	< 1	< 2	< 10	26	< 10	3	15	0.54	1.18	0.429
1231015628	2.67	< 10	< 1	0.25	16	1.46	0.274	0.050	1.21	2	1	147	0.03	< 1	< 2	< 10	19	17	3	16	0.14	1.18	0.265
1231015632	2.48	< 10	< 1	0.27	15	1.57	0.039	0.046	1.67	< 2	< 1	22	0.02	< 1	< 2	< 10	12	< 10	2	15	0.16	1.72	0.324
1121010147	3.73	< 10	< 1	0.30	14	1.00	0.027	0.043	2.10	2	< 1	9	0.02	< 1	< 2	< 10	9	< 10	3	15	0.06	2.19	1.036
1231015468	3.44	< 10	< 1	0.28	13	1.61	0.117	0.047	2.52	< 2	2	50	0.02	< 1	< 2	< 10	21	< 10	4	19	0.21	2.53	0.223
1121010173	3.01	< 10	< 1	0.31	15	0.40	0.029	0.044	2.93	3	< 1	13	< 0.01	< 1	< 2	< 10	5	< 10	2	18	0.31	2.89	0.233
1121010117	2.54	< 10	< 1	0.26	16	0.98	0.027	0.046	1.38	2	< 1	12	0.01	< 1	< 2	< 10	8	< 10	3	20	0.08	1.41	0.594
1231015111	2.80	< 10	< 1	0.21	23	1.15	0.181	0.055	2.23	< 2	2	69	0.06	2	< 2	< 10	27	< 10	3	16	0.25	2.26	0.305
1231015444	3.89	< 10	< 1	0.36	47	2.76	0.026	0.182	1.44	< 2	5	23	0.04	< 1	< 2	< 10	49	< 10	4	7	0.06	1.53	0.925
1231015175	2.63	< 10	< 1	0.27	16	1.06	0.159	0.048	1.78	3	2	57	0.05	< 1	< 2	< 10	22	< 10	3	18	0.32	1.80	0.572
1231015670	3.57	10	< 1	0.22	25	2.14	0.284	0.065	1.63	< 2	2	113	0.03	< 1	< 2	< 10	27	< 10	3	19	0.19	1.66	0.446
1231015407	3.51	< 10	< 1	0.18	15	1.01	0.023	0.047	2.85	< 2	< 1	8	< 0.01	4	< 2	< 10	7	< 10	2	10	0.06	2.82	1.502
1121010170	2.61	< 10	< 1	0.27	14	0.80	0.026	0.039	1.86	< 2	< 1	21	< 0.01	< 1	< 2	< 10	6	< 10	2	13	0.70	1.85	0.734
1121010167	2.55	< 10	< 1	0.29	16	0.82	0.028	0.043	1.90	< 2	< 1	26	< 0.01	< 1	< 2	< 10	6	< 10	3	19	0.56	1.90	0.294
1231015240	2.58	< 10	< 1	0.23	17	1.01	0.132	0.048	2.47	4	< 1	48	< 0.01	< 1	< 2	< 10	9	< 10	2	15	0.37	2.49	0.253
1121010104	2.28	< 10	< 1	0.34	15	0.61	0.030	0.046	1.99	< 2	< 1	38	< 0.01	< 1	< 2	< 10	6	< 10	3	18	0.73	1.97	0.247
1120001200	2.38	< 10	< 1	0.29	12	0.96	0.034	0.040	2.19	3	< 1	35	< 0.01	< 1	< 2	< 10	6	< 10	2	23	0.61	2.23	0.369
v835752	1.48	< 10	< 1	0.08	< 10	0.13	0.162	0.029	0.02	< 2	1	20	0.30	2	< 2	< 10	37	< 10	9	19	0.06	0.02	1.099
1231019028	2.88	< 10	< 1	0.19	12	1.17	0.216	0.040	1.26	< 2	3	53	0.07	< 1	< 2	< 10	44	< 10	3	11	0.36	1.32	0.069
1120007124	2.35	< 10	< 1	0.31	18	1.06	0.164	0.054	1.02	3	1	75	0.04	< 1	< 2	< 10	17	< 10	3	18	0.40	1.09	0.170
1231019007	2.54	< 10	< 1	0.22	15	1.10	0.166	0.043	1.37	< 2	2	64	0.06	2	< 2	< 10	24	< 10	3	13	0.33	1.34	0.148
1231018191	2.49	< 10	< 1	0.23	12	0.98	0.091	0.044	0.73	< 2	3	43	0.10	< 1	< 2	< 10	40	< 10	4	11	0.26	0.75	0.080
1231015526	2.66	< 10	< 1	0.30	16	1.06	0.045	0.045	2.15	< 2	1	17	0.02	< 1	< 2	< 10	14	< 10	2	15	0.19	2.04	0.075
1120001123	2.18	< 10	< 1	0.31	14	0.91	0.195	0.043	0.88	< 2	1	110	0.02	< 1	< 2	< 10	16	< 10	3	14	0.60	0.87	0.443
1231018082	2.59	< 10	< 1	0.23	12	1.14	0.098	0.044	0.66	< 2	3	44	0.11	< 1	< 2	< 10	47	< 10	5	12	0.33	0.68	0.053
1231018208	2.51	< 10	< 1	0.21	18	1.24	0.086	0.053	1.40	3	2	38	0.04	< 1	< 2	< 10	25	< 10	3	12	0.39	1.44	0.069
1231018037	2.68	< 10	< 1	0.22	10	1.09	0.110	0.046	0.48	< 2	4	46	0.14	< 1	< 2	< 10	53	< 10	5	10	0.32	0.52	0.059
2136004020	1.96	< 10	< 1	0.41	15	0.78	0.216	0.042	0.28	< 2	2	78	0.09	< 1	< 2	< 10	25	< 10	4	17	0.10	0.29	0.013
1231018232	2.57	< 10	< 1	0.25	12	1.01	0.088	0.046	0.91	< 2	3	39	0.10	< 1	< 2	< 10	38	< 10	4	13	0.22	0.89	0.143
1231014398	2.56	< 10	< 1	0.23	25	0.97	0.075	0.091	1.74	< 2	2	64	0.06	< 1	< 2	< 10	26	< 10	4	23	0.28	1.74	0.054
1231014355	2.59	< 10	< 1	0.15	15	0.94	0.089	0.043	2.21	< 2	1	28	< 0.01	7	< 2	< 10	14	< 10	3	21	0.25	2.27	0.083
1120007091	2.43	< 10	< 1	0.31	19	1.14	0.181	0.054	0.81	< 2	2	77	0.07	< 1	< 2	< 10	21	< 10	3	20	0.25	0.82	0.250
1231018146	3.13	< 10	< 1	0.23	12	1.16	0.142	0.049	0.55	< 2	6	55	0.17	2	< 2	< 10	67	< 10	6	11	0.21	0.58	0.036
2136004328	2.18	< 10	< 1	0.69	19	0.75	0.127	0.046	0.39	< 2	3	44	0.13	< 1	< 2	< 10	32	< 10	5	27	0.40	0.41	0.013
1231018030	3.43	< 10	< 1	0.29	14	1.23	0.136	0.054	0.74	2	5	67	0.14	< 1	< 2	< 10	67	< 10	6	13	0.46	0.79	0.319
1231015373	3.30	< 10	< 1	0.22	16	0.94	0.087	0.046	1.12	3	5	38	0.12	2	< 2	< 10	38	< 10	7	13	0.14	1.18	0.110
1231018189	2.60	< 10	< 1	0.25	11	1.08	0.079	0.046	1.26	2	3	40	0.06	1	< 2	< 10	32	< 10	4	13	0.45	1.17	0.466
v835753	3.18	< 10	< 1	0.26	17	0.49	0.227	0.048	0.04	2	3	51	0.33	2	< 2	< 10	64	< 10	19	14	0.40	0.04	0.759
1231013844	4.70	< 10	< 1	0.06	< 10	2.32	0.601	0.026	0.28	2	6	79	0.20	< 1	< 2	< 10	124	< 10	3	5	0.12	0.31	0.017
1231015189	2.55	< 10	< 1	0.19	16	0.96	0.069	0.048	2.39	3	< 1	36	< 0.01	< 1	< 2	< 10	11	< 10	2	13	0.10	2.38	0.101
1121011238	3.02	< 10	< 1	0.35	15	1.35	0.044	0.043	1.90	< 2	1	16	< 0.01	< 1	< 2	< 10	10	< 10	3	17	0.23	1.87	1.410
1231013963	2.49	< 10	< 1	0.29	14	0.93	0.162	0.045	1.84	5	2	76	0.06	< 1	< 2	< 10	20	< 10	3	16	0.33	1.73	0.136
1121011063	2.16	< 10	< 1	0.31	13	0.72	0.051	0.039	2.00	< 2	< 1	30	< 0.01	2	< 2	< 10	7	< 10	2	15	0.63	1.92	0.260
1231015117	2.73	< 10	< 1	0.26	15	1.01	0.145	0.046	2.17	< 2	1	49	0.04	< 1	< 2	< 10	19	< 10	3	14	0.24	2.16	0.124
1121011037	2.27	< 10	< 1	0.31	14	1.01	0.136	0.042	1.79	3	< 1	38	< 0.01	< 1	< 2	< 10	8	< 10	2	5	0.50	1.77	0.567
1231015553	2.51	< 10	< 1	0.36	21	1.73	0.098	0.060	1.42	< 2	2	57	0.02	5	< 2	< 10	18	< 10	2	3	0.35	1.36	0.406
1231013897	4.95	10	2	0.05	< 10	2.43	0.633	0.022	0.11	< 2	7	75	0.23	4	< 2	< 10	147	< 10	4	4	0.07	0.12	0.010
1231015278	2.45	< 10	< 1	0.21	16	1.06	0.124	0.043	2.24	< 2	< 1	39	< 0.01	< 1	< 2	< 10	11	< 10	2	14	0.17	2.15	0.104
1231015347	2.45	< 10	< 1	0.24	17	1.69	0.175	0.049	1.84	< 2	1	58	< 0.01	< 1	< 2	< 10	16	< 10	3	11	0.13	1.83	0.111
1231013991	4.96	< 10	1	0.05	< 10	2.38	0.547	0.021	0.08	< 2	7	72	0.27	< 1	< 2	< 10	152	< 10	4	4	0.16	0.09	0.007
1121011090	2.32	< 10	< 1	0.31	< 10	1.03	0.045	0.046	2.14	< 2	1	40	< 0.01	< 1	< 2	< 10	8	< 10	2	8	1.06	2.13	1.722

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1231015316	3.20	< 10	< 1	0.23	17	1.47	0.084	0.047	2.10	2	1	39	0.02	4	< 2	< 10	17	< 10	2	13	0.28	2.05	1.494
1231014077	2.54	< 10	< 1	0.20	13	0.85	0.108	0.040	2.05	< 2	1	33	< 0.01	< 1	< 2	< 10	14	< 10	3	15	1.02	1.99	0.100
1231015431	2.33	< 10	< 1	0.31	19	1.32	0.200	0.047	1.52	< 2	< 1	65	0.03	< 1	< 2	< 10	13	< 10	2	8	0.21	1.55	0.162
1121011095	2.04	< 10	< 1	0.32	< 10	1.18	0.051	0.044	1.64	2	< 1	28	< 0.01	< 1	< 2	< 10	6	< 10	2	3	1.16	1.61	1.563
1231015131	2.41	< 10	< 1	0.17	17	1.00	0.056	0.050	2.34	< 2	< 1	36	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.02	2.28	0.072
1121010013	2.30	< 10	< 1	0.32	15	0.99	0.066	0.045	1.30	< 2	1	30	0.02	< 1	< 2	< 10	9	< 10	3	5	0.30	1.23	0.716
v835754	3.56	< 20	< 2	0.26	< 16	0.59	0.345	0.062	0.06	< 3	5	44	0.64	6	< 3	< 16	108	< 16	19	32	0.03	0.06	1.625
1230022284	2.81	10	< 1	0.32	16	1.36	0.137	0.053	0.42	< 2	3	142	0.06	< 1	< 2	< 10	35	< 10	2	9	0.13	0.45	0.025
1231014135	2.44	< 10	< 1	0.30	11	0.87	0.137	0.040	1.44	< 2	2	37	0.01	< 1	< 2	< 10	20	< 10	3	11	0.23	1.37	0.116
1230022034	2.94	< 10	< 1	0.33	13	1.26	0.062	0.066	1.74	< 2	1	117	< 0.01	5	< 2	< 10	16	< 10	2	5	0.02	1.69	0.054
1231014139	3.09	< 10	< 1	0.25	13	1.06	0.131	0.046	1.53	3	3	47	0.03	< 1	< 2	< 10	34	< 10	3	8	0.51	1.43	0.108
1231014101	2.57	< 10	< 1	0.15	13	1.01	0.071	0.042	1.84	< 2	1	21	0.03	< 1	< 2	< 10	17	< 10	2	16	0.23	1.80	0.099
1231013310	2.55	< 10	< 1	0.14	13	0.95	0.126	0.040	1.81	< 2	1	48	< 0.01	< 1	< 2	< 10	13	22	2	15	0.32	1.77	0.042
1231014081	2.55	< 10	< 1	0.10	13	0.84	0.079	0.042	1.99	< 2	1	25	0.01	< 1	< 2	< 10	15	< 10	3	17	0.17	1.90	0.072
1231013606	3.61	< 10	< 1	0.26	14	1.03	0.148	0.042	2.60	< 2	1	83	0.01	1	< 2	< 10	12	< 10	2	15	0.41	2.69	1.054
1230022011	3.65	< 10	< 1	0.29	14	1.50	0.098	0.049	0.33	3	10	49	0.06	< 1	< 2	< 10	74	< 10	5	7	0.43	0.35	0.022
1230022213	1.91	< 10	< 1	0.20	18	0.87	0.094	0.055	0.43	< 2	< 1	97	0.01	< 1	< 2	< 10	11	< 10	2	2	0.08	0.47	0.027
1230022224	2.18	< 10	< 1	0.21	17	1.13	0.165	0.053	0.43	< 2	1	176	0.02	< 1	< 2	< 10	17	< 10	3	1	0.11	0.46	0.013
1231015005	2.83	< 10	< 1	0.30	17	1.10	0.120	0.050	1.49	< 2	2	63	0.08	1	< 2	< 10	32	< 10	4	19	0.36	1.44	0.063
1230022075	2.28	< 10	< 1	0.23	14	1.05	0.093	0.047	0.92	< 2	1	76	0.03	< 1	< 2	< 10	16	< 10	2	5	0.15	0.92	0.022
1231013738	3.34	< 10	< 1	0.31	25	1.35	0.136	0.060	1.48	< 2	3	60	0.08	< 1	< 2	< 10	38	< 10	4	17	0.86	1.48	2.167
1121008101	2.66	< 10	< 1	0.37	15	1.30	0.149	0.049	0.14	< 2	3	117	0.07	< 1	< 2	< 10	42	< 10	4	12	0.72	0.13	0.024
1231013719	2.70	< 10	< 1	0.29	14	1.12	0.110	0.053	0.72	< 2	3	52	0.11	< 1	< 2	< 10	40	< 10	4	12	0.22	0.73	0.080
1231013614	2.13	< 10	< 1	0.21	11	1.19	0.091	0.039	0.87	< 2	1	68	0.02	< 1	< 2	< 10	19	< 10	2	4	0.43	0.88	0.020
1121011212	2.13	< 10	1	0.33	< 10	1.08	0.044	0.042	1.96	2	< 1	26	< 0.01	< 1	< 2	< 10	6	< 10	2	11	1.03	1.83	1.256
1121011253	2.01	< 10	< 1	0.32	< 10	1.13	0.038	0.040	1.62	3	< 1	30	< 0.01	< 1	< 2	< 10	5	< 10	2	7	1.24	1.53	0.267
v835755	3.20	< 10	< 1	0.27	16	0.49	0.224	0.050	0.04	< 2	3	50	0.34	4	< 2	< 10	65	< 10	19	16	0.40	0.04	0.785
1120001164	1.93	< 10	< 1	0.28	16	1.16	0.052	0.039	1.05	< 2	< 1	41	< 0.01	< 1	< 2	< 10	9	< 10	3	4	0.54	0.99	0.801
1120001159	2.03	< 10	< 1	0.27	15	0.95	0.170	0.044	1.14	< 2	1	76	0.02	< 1	< 2	< 10	14	< 10	3	4	0.34	1.13	0.232
1231015236	2.27	< 10	< 1	0.28	17	0.95	0.139	0.045	1.85	< 2	< 1	53	0.04	< 1	< 2	< 10	12	< 10	2	12	0.46	1.77	0.324
1231015024	2.79	< 10	< 1	0.23	11	1.06	0.165	0.037	1.37	< 2	3	48	0.11	< 1	< 2	< 10	43	< 10	3	11	0.30	1.34	0.160
1231015340	5.11	< 10	< 1	0.22	12	1.49	0.100	0.060	3.91	3	4	43	0.12	3	< 2	< 10	65	< 10	7	13	0.33	4.24	0.180
1120001136	1.92	< 10	< 1	0.29	17	1.27	0.078	0.042	1.26	< 2	< 1	42	0.02	< 1	< 2	< 10	9	< 10	3	3	0.57	1.19	0.170
1231014357	3.07	< 10	< 1	0.18	27	1.05	0.086	0.098	1.81	2	3	63	0.03	3	< 2	< 10	36	< 10	6	3	0.64	1.71	0.126
1120001137	2.25	< 10	< 1	0.26	18	1.52	0.237	0.040	1.29	3	< 1	58	0.01	2	< 2	< 10	11	< 10	3	5	0.32	1.24	0.115
1120001113	2.04	< 10	< 1	0.32	13	0.75	0.141	0.040	1.45	< 2	< 1	63	< 0.01	< 1	< 2	< 10	9	< 10	3	4	0.53	1.34	0.189
1231014373	2.88	< 10	< 1	0.12	12	1.07	0.079	0.039	2.31	< 2	1	25	0.01	< 1	< 2	< 10	17	< 10	2	17	0.21	2.29	0.287
1231015566	2.44	< 10	< 1	0.25	15	1.15	0.129	0.045	1.61	< 2	1	39	0.03	< 1	< 2	< 10	17	< 10	2	14	0.08	1.59	0.236
2136004332	2.11	< 10	< 1	0.44	21	0.74	0.084	0.048	0.02	3	2	43	0.10	< 1	< 2	< 10	30	< 10	5	17	0.63	0.02	< 0.005
1231015496	3.43	< 10	< 1	0.30	77	2.25	0.053	0.207	0.84	3	6	160	0.08	< 1	< 2	< 10	56	< 10	6	4	0.53	0.90	0.381
1120007006	2.35	< 10	1	0.31	20	1.09	0.218	0.058	0.39	< 2	2	143	0.04	< 1	< 2	< 10	28	< 10	4	13	0.72	0.41	0.092
1231015692	2.30	< 10	< 1	0.25	16	1.05	0.072	0.043	0.45	< 2	2	29	0.04	< 1	< 2	< 10	24	< 10	3	11	0.35	0.45	0.041
1120007122	2.69	< 10	< 1	0.38	21	1.38	0.147	0.057	1.01	< 2	2	75	0.09	3	< 2	< 10	28	< 10	4	20	0.33	0.96	0.228
1231015536	2.00	< 10	< 1	0.25	15	0.69	0.070	0.045	1.17	< 2	1	32	0.02	< 1	< 2	< 10	11	< 10	2	11	0.21	1.03	0.541
v835756	1.50	< 10	< 1	0.09	< 10	0.13	0.171	0.030	0.02	< 2	1	21	0.30	5	< 2	< 10	38	< 10	9	19	0.06	0.01	1.189
1120001117	2.16	< 10	< 1	0.33	13	0.96	0.130	0.043	0.67	< 2	2	79	0.03	< 1	< 2	< 10	21	< 10	4	15	0.58	0.67	0.465
1120001122	2.35	< 10	< 1	0.36	13	0.98	0.156	0.044	1.07	2	2	107	0.03	< 1	< 2	< 10	23	< 10	3	19	0.50	0.99	0.391
1120007016	2.07	< 10	< 1	0.28	18	0.79	0.125	0.048	0.48	< 2	1	61	0.07	< 1	< 2	< 10	18	< 10	4	14	0.48	0.49	0.100
1231017028	2.28	< 10	< 1	0.19	13	1.05	0.188	0.042	0.91	< 2	1	51	0.03	< 1	< 2	< 10	16	< 10	2	14	0.15	0.92	0.120
1120003182	2.11	< 10	< 1	0.35	14	1.04	0.034	0.038	1.86	4	< 1	38	< 0.01	< 1	< 2	< 10	7	< 10	3	22	0.62	1.72	1.114
1120003183	2.02	< 10	< 1	0.33	15	1.30	0.037	0.040	1.70	3	< 1	40	0.01	< 1	< 2	< 10	8	< 10	3	23	0.45	1.60	0.546

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1120007058	6.12	< 10	2	0.19	11	1.39	0.146	0.056	0.83	4	8	72	0.12	< 1	< 2	< 10	109	23	9	11	0.80	0.88	0.219
1120003077	2.13	< 10	< 1	0.29	17	1.56	0.111	0.042	1.44	< 2	< 1	58	0.02	< 1	< 2	< 10	10	< 10	2	17	0.30	1.28	0.752
1120003134	2.10	< 10	< 1	0.29	15	0.94	0.028	0.041	1.74	3	< 1	32	< 0.01	< 1	< 2	< 10	6	< 10	2	20	0.71	1.63	0.725
1231017624	2.07	< 10	< 1	0.14	13	0.89	0.145	0.040	0.93	< 2	1	64	0.02	< 1	< 2	< 10	14	< 10	2	16	0.26	0.95	0.094
1120007111	1.84	< 10	< 1	0.19	13	1.03	0.155	0.039	0.82	3	< 1	66	< 0.01	< 1	2	< 10	9	< 10	3	14	0.30	0.80	0.060
1231017753	2.46	< 10	< 1	0.15	13	0.92	0.102	0.045	1.15	4	2	42	0.05	< 1	< 2	< 10	24	< 10	3	13	0.35	1.04	0.162
1120001119	2.82	< 10	< 1	0.43	16	1.34	0.211	0.056	0.28	2	3	184	0.08	4	< 2	< 10	45	< 10	4	15	0.82	0.31	0.036
1120003141	2.63	< 10	< 1	0.25	14	1.09	0.047	0.044	1.99	3	< 1	40	< 0.01	< 1	< 2	< 10	10	< 10	3	20	0.67	1.89	> 5.000
1120003167	2.62	< 10	< 1	0.21	22	1.00	0.131	0.062	1.27	2	1	61	0.05	2	< 2	< 10	15	< 10	4	22	0.12	1.19	0.286
1231017723	2.21	< 10	< 1	0.12	14	0.90	0.099	0.043	1.53	2	1	31	< 0.01	< 1	< 2	< 10	16	< 10	3	15	0.20	1.47	0.051
1120003230	2.70	< 10	< 1	0.28	21	1.23	0.119	0.058	1.47	3	2	61	0.03	2	< 2	< 10	21	< 10	4	16	0.39	1.42	0.272
1120003060.	4.46	< 10	< 1	0.28	17	1.17	0.050	0.054	4.00	2	1	31	< 0.01	6	< 2	< 10	13	< 10	3	28	0.39	3.97	0.982
v835757	3.46	< 10	< 1	0.23	11	0.58	0.284	0.061	0.06	< 2	4	36	0.49	7	< 2	< 10	101	< 10	18	15	0.02	0.06	1.611

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1120003146	
1120003010	
1231016085	
1231017669	
1231016019	
1120003034	
1120003153	
1231016116	
1120003058	
1120003154	
1231017741	
1231017744	
1231016161	
1120003212	
1231017653	
1120004101	
1120004184	
1120004156	
1120004151	
1120004091	
v835759	
1120004211	
1120004228	
1120005187	
1230023041	
1120005199	
1230023050	
1120005179	
1120004076	
1231016239	
1120004069	
1231017752	
1120004118	
1120004245	
1120005157	
1120005211	
1120006061	
1120006082	
1120005170	
1230023013	
v835758	
1231016254	
1230023103	
1120005141	
1120004022	
1230023052	
1120005114	
1120005103	
1230023080	
1120004014	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1120005608	
1230024176	
1230024140	
1120004001	
1120005101	
1230024146	
1230024147	
1120006065	
1120006106	
v835760	
1120006020	
1120006116	
1120006129	
1230024088	
1120006019	
1120006012	
1120006055	
1230024037	
1230024001	
1120006005	
1120006160	
1120006170	
1120006044	
1230025128	
1120006208	
1120002054	
v835761	
1231020187	
1231021031	
1231020149	
1230026250	
1231021169	
1231021034	
1230026201	
1230026220	
1231020101	
1231021060	
1231020064	
1231020185	
1230026186	
2137524031	
2137524145	
2137524201	
v835762	
2137524267	
1231018211	
1231018265	
1230026135	
1230026169	
1230026001	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230026139	
1230026077	
1231016289	
1230026103	
1230027273	
1230027327	
1230026047	
1230026161	
1230027271	
1230027164	
v835763	
1120002172	
1120002205	
1230025093	
1120002127	
1120002186	
1120002161	
1230025070	
1120011014	
1120011142	
1120002018	
1120002025	
1120011041	
1230025058	
1120011151	
1120010001	
1120011019	
1120011128	
1230025003	
1120011124	
1230025115	
1120010222	
v835764	
1230024006	
1230024019	
1230024021	
1120002119	
1231020052	
1120002001	
1120002050	
1231021084	
2137520222	
1120011101	
1120010180	
1120002111	
1231021077	
1120010014	
1231021187	
1230026244	
1231021050	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1231021188	
v835765	
1121011227	
1121010062	
1231015628	
1231015632	
1121010147	
1231015468	
1121010173	
1121010117	
1231015111	
1231015444	
1231015175	
1231015670	
1231015407	
1121010170	
1121010167	
1231015240	
1121010104	
1120001200	
v835752	
1231019028	
1120007124	
1231019007	
1231018191	
1231015526	
1120001123	
1231018082	
1231018208	
1231018037	
2136004020	
1231018232	
1231014398	
1231014355	
1120007091	
1231018146	
2136004328	
1231018030	
1231015373	
1231018189	
v835753	
1231013844	
1231015189	
1121011238	
1231013963	
1121011063	
1231015117	
1121011037	
1231015553	
1231013897	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1231015278	
1231015347	
1231013991	
1121011090	
1231015316	
1231014077	
1231015431	
1121011095	
1231015131	
1121010013	
v835754	
1230022284	
1231014135	
1230022034	
1231014139	
1231014101	
1231013310	
1231014081	
1231013606	
1230022011	
1230022213	
1230022224	
1231015005	
1230022075	
1231013738	
1121008101	
1231013719	
1231013614	
1121011212	
1121011253	
v835755	
1120001164	
1120001159	
1231015236	
1231015024	
1231015340	
1120001136	
1231014357	
1120001137	
1120001113	
1231014373	
1231015566	
2136004332	
1231015496	
1120007006	
1231015692	
1120007122	
1231015536	
v835756	
1120001117	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1120001122	
1120007016	
1231017028	
1120003182	
1120003183	
1120007058	
1120003077	
1120003134	
1231017624	
1120007111	
1231017753	
1120001119	
1120003141	12.9
1120003167	
1231017723	
1120003230	
1120003060.	
v835757	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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	73	1010	2	23	89	121	7.21	222	< 10	898	0.9	< 2	0.14	11	80
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
BaSO4 Meas																							
BaSO4 Cert																							
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SGR-1b Meas																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SGR-1b Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS900-5 Meas																							
GS900-5 Cert																							
GS900-5 Meas																							
GS900-5 Cert																							
GS900-5 Meas																							
GS900-5 Cert																							
GS900-5 Meas																							
GS900-5 Cert																							
NBM-1 (slight fzz) Meas		42.1				8.80																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.1				8.56																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.5				8.60																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.4				8.58																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		41.8																					
NBM-1 (slight fzz) Cert		46.6																					
NBM-1 (slight fzz) Meas		42.4																					
NBM-1 (slight fzz) Cert		46.6																					
OREAS 922 (AQUA REGIA) Meas							1.0	< 0.5	2330	804	< 1	38	70	281	3.10	6		96	0.8	6	0.43	18	48
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2250	770	< 1	35	63	270	3.01	6		91	0.8	3	0.42	17	46
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2300	772	< 1	34	62	264	3.00	4		93	0.8	4	0.42	17	46
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 923 (AQUA REGIA) Meas							1.5	0.6	4560	865	< 1	32	81	349	3.03	9		72	0.7	20	0.43	21	44
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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							1.9	0.7	4670	879	< 1	32	82	353	3.10	7		69	0.7	20	0.43	21	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.5	0.6	4510	862	< 1	33	82	348	3.01	8		65	0.7	7	0.42	19	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
Oreas 96 (Aqua Regia) Meas							10.8		> 10000				89	442						< 2		44	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							11.4		> 10000				91	443						< 2		45	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.8		> 10000				83	430						< 2		42	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas							65.6	267	3510	536	13	28	> 5000	> 10000	1.83	76			0.6	< 2	1.73	29	34
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							65.4	265	3560	531	14	27	> 5000	> 10000	1.81	78			0.6	3	1.52	28	32
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							67.2	270	3820	543	14	26	> 5000	> 10000	1.85	80			0.6	8	1.48	29	32
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
OREAS 257 Meas																							
OREAS 257 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																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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																							
1120003154 Orig																							
1120003154 Dup																							
1231016161 Orig							0.7	< 0.5	88	509	1	15	10	83	2.00	23	< 10	19	< 0.5	4	0.75	9	166
1231016161 Dup							0.7	< 0.5	82	508	1	17	8	83	1.95	24	< 10	20	< 0.5	3	0.75	9	166
1120004091 Orig																							
1120004091 Dup																							
1230023050 Orig							< 0.2	< 0.5	121	798	< 1	70	< 2	52	5.51	< 2	< 10	20	< 0.5	< 2	3.90	27	153
1230023050 Dup							< 0.2	< 0.5	119	783	< 1	70	< 2	53	5.47	< 2	< 10	19	< 0.5	< 2	3.85	26	150
1231016239 Orig																							
1231016239 Dup																							
1120004069 Orig																							
1120004069 Dup																							
1230023013 Orig							< 0.2	< 0.5	58	727	< 1	33	< 2	79	3.60	< 2	11	72	< 0.5	< 2	2.25	17	109
1230023013 Dup							< 0.2	< 0.5	59	725	< 1	36	< 2	75	3.51	< 2	11	69	< 0.5	< 2	2.22	17	108
v835758 Orig																							
v835758 Dup																							
1120004022 Orig																							
1120004022 Dup																							
1120005103 Orig	16.8	100	83.4	21.7	4.61																		
1120005103 Dup	16.8	100	83.3	21.7	4.60																		
1230024176 Orig																							
1230024176 Dup																							
1120004001 Orig							3.9	2.6	126	455	< 1	13	308	732	0.97	104	< 10	17	< 0.5	< 2	0.84	8	91
1120004001 Dup							4.3	2.4	139	448	< 1	11	303	699	0.94	108	< 10	17	< 0.5	< 2	0.83	8	91
1120005101 Orig																							
1120005101 Dup																							
1120006116 Orig																							
1120006116 Dup																							
1120006019 Orig																							
1120006019 Dup																							
1120006044 Orig						8.71																	
1120006044 Dup						8.70																	
v835761 Orig							10.6	< 0.5	51	351	20	13	8	55	1.70	< 2	< 10	87	< 0.5	< 2	1.24	13	13
v835761 Dup							9.2	< 0.5	52	347	20	12	6	55	1.69	< 2	< 10	90	< 0.5	< 2	1.24	13	13
1231020149 Orig																							
1231020149 Dup																							
1231021034 Orig																							
1231021034 Dup																							
1230026186 Orig																							
1230026186 Dup																							
2137524031 Orig							0.3	< 0.5	23	431	< 1	21	7	89	2.73	5	< 10	79	< 0.5	< 2	1.35	10	145
2137524031 Dup							0.3	< 0.5	23	434	< 1	20	8	85	2.80	8	< 10	81	< 0.5	< 2	1.36	10	151
v835762 Orig																							
v835762 Dup																							
1231018265 Orig	40.1	7.21	-32.9	43.2	0.167																		
1231018265 Dup	40.1	7.19	-32.9	43.2	0.166																		
1230026001 Orig																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230026001 Dup																							
1230026103 Orig							0.5	< 0.5	31	1250	< 1	9	14	214	1.54	21	< 10	23	< 0.5	< 2	0.28	9	47
1230026103 Dup							0.4	< 0.5	31	1200	< 1	9	14	199	1.45	18	< 10	31	< 0.5	< 2	0.27	8	44
1120002127 Orig																							
1120002127 Dup																							
1230025070 Orig							0.4	< 0.5	154	488	4	14	< 2	199	1.24	5	< 10	18	< 0.5	< 2	1.12	7	219
1230025070 Dup							0.4	< 0.5	149	484	4	14	2	198	1.23	6	< 10	19	< 0.5	< 2	1.11	8	221
1120011151 Orig																							
1120011151 Dup																							
1230024006 Orig							0.6	< 0.5	125	381	3	12	3	131	1.79	9	< 10	47	< 0.5	< 2	1.10	8	89
1230024006 Dup							0.7	< 0.5	129	381	4	11	2	125	1.78	9	< 10	45	< 0.5	< 2	1.09	9	90
1230024021 Orig																							
1230024021 Dup																							
1120002111 Orig	34.7	24.5	-10.1	41.3	0.594																		
1120002111 Dup	34.7	24.6	-10.1	41.3	0.595																		
1231021077 Orig																							
1231021077 Dup																							
1120010014 Orig						8.77																	
1120010014 Dup						8.77																	
1231021187 Orig							0.4	1.5	53	675	< 1	10	4	494	2.15	17	< 10	28	< 0.5	7	0.74	7	57
1231021187 Dup							0.4	1.4	52	688	< 1	11	3	513	2.21	19	< 10	34	< 0.5	6	0.75	6	60
1231021050 Orig																							
1231021050 Dup																							
1121010147 Orig																							
1121010147 Dup																							
1121010117 Orig																							
1121010117 Dup																							
1231015111 Orig							0.9	6.7	159	707	1	23	8	1910	2.25	12	< 10	35	< 0.5	< 2	1.86	11	160
1231015111 Dup							0.9	6.5	158	678	2	22	9	1840	2.16	13	< 10	41	< 0.5	< 2	1.79	11	154
1121010167 Orig																							
1121010167 Dup																							
1120001200 Orig																							
1120001200 Dup																							
1231018191 Orig							0.5	0.7	52	465	1	21	22	265	1.57	14	< 10	51	< 0.5	< 2	1.32	10	133
1231018191 Dup							0.6	0.7	52	461	< 1	20	23	259	1.55	14	< 10	53	< 0.5	< 2	1.29	10	130
1231018082 Orig																							
1231018082 Dup																							
1120007091 Orig																							
1120007091 Dup																							
1231018030 Orig																							
1231018030 Dup																							
1121011238 Orig	51.9	19.2	-32.6	57.3	0.336																		
1121011238 Dup	51.9	19.2	-32.6	57.3	0.336																		
1231013963 Orig																							
1231013963 Dup																							
1121011037 Orig							3.4	2.9	94	979	< 1	13	395	787	2.19	41	< 10	21	< 0.5	< 2	2.27	9	58
1121011037 Dup							3.4	2.7	87	943	1	12	369	763	2.09	41	< 10	20	< 0.5	< 2	2.20	8	55
1231015553 Orig																							
1231015553 Dup																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231015316 Orig																							
1231015316 Dup																							
1231015131 Orig																							
1231015131 Dup																							
1230022284 Orig							< 0.2	< 0.5	25	550	< 1	13	8	139	4.51	7	11	86	< 0.5	< 2	1.97	10	63
1230022284 Dup							< 0.2	< 0.5	25	557	< 1	14	9	141	4.63	6	12	89	< 0.5	< 2	2.01	10	64
1230022011 Orig																							
1230022011 Dup																							
1230022213 Orig						8.76																	
1230022213 Dup						8.79																	
1231013738 Orig							0.9	1.0	76	1280	< 1	35	34	373	2.46	18	< 10	28	< 0.5	< 2	2.77	14	102
1231013738 Dup							1.2	1.0	76	1240	2	45	34	346	2.34	18	< 10	33	< 0.5	< 2	2.69	14	105
1121011253 Orig																							
1121011253 Dup																							
1120001137 Orig							0.4	< 0.5	20	838	< 1	11	45	119	2.79	51	< 10	34	< 0.5	< 2	1.73	7	150
1120001113 Orig																							
1120001113 Dup																							
1231014373 Orig																							
1231014373 Dup																							
1231015566 Orig	44.9	0.125	-44.8	48.7	0.00256																		
1231015566 Dup	44.9	0.125	-44.8	48.7	0.00256																		
1120001122 Orig																							
1120001122 Dup																							
1120003183 Orig							1.9	2.7	49	943	< 1	8	165	848	1.68	83	< 10	38	< 0.5	< 2	1.62	6	87
1120003183 Dup							1.5	2.7	49	932	< 1	9	164	857	1.64	87	< 10	37	< 0.5	< 2	1.61	6	90
1120001119 Orig																							
1120001119 Dup																							
1120003141 Orig																							
1231017723 Orig																							
1231017723 Dup																							
1120003230 Orig						8.65																	
1120003230 Dup						8.67																	
1120003060. Orig	109	32.5	-76.5	122	0.267																		
1120003060. Dup	109	32.7	-76.4	122	0.269																		
Method Blank																							
Method Blank																							
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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																							
Method Blank																							
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1	< 1

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
GXR-6 Meas	5.87	20	2	1.20	< 10	0.44	0.099	0.034	0.01	2	19	30		< 1	< 2	< 10	177	< 10	5	8			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
BaSO4 Meas																						14.0	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.2	
BaSO4 Cert																						14.0	
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																						14.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.9	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.9	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.0	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.2	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.0	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.9	
BaSO4 Cert																						14.0	
SGR-1b Meas																					27.9	1.57	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.1	1.55	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.1	1.58	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.1	1.56	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.0	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.9	1.51	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.1	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.7	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.9	1.50	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.1	1.57	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.9	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.2	1.52	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.2	1.52	
SGR-1b Cert																					28	1.53	
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																					1.10	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.09	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.09	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.09	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.08	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																					1.08	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.57	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.12	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.55	
GS311-4 Cert																					1.11	0.54	
GS900-5 Meas																					0.61	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.62	0.34	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.62	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.63	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.62	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.64	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.61	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.61	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.62	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.63	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.62	0.35	
GS900-5 Cert																					0.65	0.34	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
GS900-5 Meas																					0.62	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.62	0.35	
GS900-5 Cert																					0.65	0.34	
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																							
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NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	5.38	< 10		0.52	40	1.51	0.038	0.067	0.37	3	4	17			< 2	< 10	40	< 10	23	24			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.26	< 10		0.52	39	1.46	0.034	0.065	0.36	2	4	16			< 2	< 10	39	< 10	23	23			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.19	< 10		0.52	38	1.45	0.036	0.064	0.35	3	4	16			< 2	< 10	39	< 10	23	23			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 923 (AQUA REGIA) Meas	6.04	< 10		0.43	36	1.56		0.063	0.66	2	4	15			< 2	< 10	38	< 10	21	34			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.25	< 10		0.45	37	1.60		0.064	0.67	4	4	15			< 2	< 10	38	< 10	21	32			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923	5.98	< 10		0.45	35	1.55		0.061	0.64	< 2	4	15			< 2	< 10	38	< 10	21	30			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
(AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
Oreas 96 (Aqua Regia) Meas									3.89	5													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									4.00	6													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.79	6													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
OREAS 220 (Fire Assay) Meas																							0.858
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.836
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.875
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.862
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.837
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.886
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.873
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.867
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.893
OREAS 220 (Fire Assay) Cert																							0.866
Oreas 621 (Aqua Regia) Meas	3.39	10	4	0.40	19	0.48	0.197	0.036	4.35	105	3	18			7	< 10	14	< 10	8	72			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.40	< 10	5	0.39	19	0.48	0.199	0.032	4.33	109	3	17			2	< 10	14	< 10	8	40			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.44	10	5	0.40	19	0.49	0.204	0.032	4.39	113	3	18			< 2	< 10	14	< 10	9	44			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
OREAS 257 Meas																							
OREAS 257 Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							2.878
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.123
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.172
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.100
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.081
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.152
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.188
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.176
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.183
OREAS 238 (Fire Assay) Cert																							3.03
1120003154 Orig																					0.38	1.99	0.142
1120003154 Dup																					0.39	2.00	0.161
1231016161 Orig	3.04	< 10	< 1	0.35	19	1.00	0.146	0.055	1.83	7	2	77	0.03	3	< 2	< 10	23	< 10	3	10			
1231016161 Dup	2.97	< 10	< 1	0.34	18	0.99	0.142	0.055	1.74	< 2	2	76	0.03	4	< 2	< 10	23	< 10	3	11			
1120004091 Orig																					0.15	1.99	0.233
1120004091 Dup																					0.15	1.98	0.203
1230023050 Orig	5.56	< 10	5	0.04	< 10	2.92	0.539	0.018	0.09	< 2	12	93	0.26	< 1	< 2	< 10	168	< 10	5	4			
1230023050 Dup	5.55	< 10	2	0.04	< 10	2.88	0.529	0.018	0.08	3	12	91	0.26	< 1	< 2	< 10	164	< 10	5	4			
1231016239 Orig																							0.197

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1231016239 Dup																							0.218
1120004069 Orig																					0.22	4.11	
1120004069 Dup																					0.22	4.10	
1230023013 Orig	3.69	< 10	< 1	0.31	11	1.68	0.218	0.044	0.44	2	8	56	0.09	< 1	< 2	< 10	78	< 10	4	6			
1230023013 Dup	3.65	< 10	< 1	0.30	11	1.67	0.213	0.044	0.44	< 2	8	54	0.10	< 1	< 2	< 10	79	< 10	4	7			
v835758 Orig																					0.04	0.03	
v835758 Dup																					0.06	0.01	
1120004022 Orig																							3.828
1120004022 Dup																							4.154
1120005103 Orig																							
1120005103 Dup																							
1230024176 Orig																					0.17	1.97	
1230024176 Dup																					0.16	1.97	
1120004001 Orig	1.88	< 10	< 1	0.36	< 10	0.40	0.040	0.038	1.99	6	< 1	14	< 0.01	1	< 2	< 10	5	< 10	2	12			
1120004001 Dup	1.78	< 10	< 1	0.34	10	0.38	0.037	0.038	1.98	6	< 1	14	< 0.01	< 1	< 2	< 10	5	< 10	2	12			
1120005101 Orig																							0.508
1120005101 Dup																							0.538
1120006116 Orig																					0.39	2.57	
1120006116 Dup																					0.39	2.65	
1120006019 Orig																							1.533
1120006019 Dup																							1.530
1120006044 Orig																					0.95	1.84	
1120006044 Dup																					0.95	1.85	
v835761 Orig	3.53	< 10	< 1	0.24	11	0.58	0.327	0.058	0.05	< 2	4	41	0.51	5	< 2	< 10	103	< 10	18	17			
v835761 Dup	3.52	< 10	< 1	0.24	10	0.59	0.325	0.058	0.05	2	5	40	0.50	9	< 2	< 10	104	< 10	18	16			
1231020149 Orig																							0.069
1231020149 Dup																							0.078
1231021034 Orig																					0.17	1.08	
1231021034 Dup																					0.16	1.09	
1230026186 Orig																							0.132
1230026186 Dup																							0.163
2137524031 Orig	2.33	< 10	< 1	0.47	20	1.04	0.224	0.056	0.38	< 2	2	133	0.11	2	< 2	< 10	31	< 10	4	15			
2137524031 Dup	2.36	< 10	1	0.48	21	1.06	0.231	0.058	0.39	< 2	2	133	0.11	< 1	< 2	< 10	32	< 10	4	15			
v835762 Orig																					0.05	0.02	
v835762 Dup																					0.05	0.02	
1231018265 Orig																							
1231018265 Dup																							
1230026001 Orig																							0.065
1230026001 Dup																							0.069
1230026103 Orig	2.28	< 10	< 1	0.19	20	0.89	0.086	0.042	1.05	< 2	< 1	43	< 0.01	< 1	3	< 10	8	< 10	2	7	0.17	1.00	
1230026103 Dup	2.14	< 10	< 1	0.18	19	0.84	0.079	0.042	0.99	< 2	< 1	41	< 0.01	< 1	< 2	< 10	7	< 10	2	8	0.17	1.03	
1120002127 Orig																					0.11	1.35	0.257
1120002127 Dup																					0.12	1.36	0.249
1230025070 Orig	2.44	< 10	< 1	0.12	13	0.93	0.088	0.042	1.88	< 2	1	28	< 0.01	< 1	< 2	< 10	14	< 10	3	18			
1230025070 Dup	2.39	< 10	< 1	0.12	13	0.92	0.086	0.041	1.86	< 2	1	28	< 0.01	< 1	< 2	< 10	14	< 10	3	18			
1120011151 Orig																					0.06	1.41	1.121
1120011151 Dup																					0.07	1.44	0.960
1230024006 Orig	2.51	< 10	< 1	0.24	14	0.89	0.160	0.042	1.94	< 2	1	72	0.06	2	< 2	< 10	16	< 10	3	16			
1230024006 Dup	2.50	< 10	< 1	0.23	14	0.88	0.159	0.041	1.91	< 2	1	71	0.06	1	< 2	< 10	16	< 10	3	16			
1230024021 Orig																					0.48	1.78	0.055
1230024021 Dup																					0.48	1.79	0.057

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1120002111 Orig																							
1120002111 Dup																							
1231021077 Orig																					0.31	0.96	
1231021077 Dup																					0.31	0.96	
1120010014 Orig																							
1120010014 Dup																							
1231021187 Orig	4.23	< 10	< 1	0.23	14	1.68	0.079	0.043	3.19	3	< 1	28	< 0.01	2	< 2	< 10	12	< 10	2	15			
1231021187 Dup	4.22	< 10	< 1	0.24	14	1.71	0.082	0.045	3.16	< 2	< 1	30	< 0.01	3	< 2	< 10	12	< 10	2	15			
1231021050 Orig																							0.476
1231021050 Dup																							0.460
1121010147 Orig																					0.06	2.18	
1121010147 Dup																					0.06	2.20	
1121010117 Orig																							0.563
1121010117 Dup																							0.624
1231015111 Orig	2.84	< 10	< 1	0.22	23	1.18	0.186	0.056	2.24	< 2	2	70	0.07	2	< 2	< 10	28	< 10	3	16			
1231015111 Dup	2.77	< 10	< 1	0.20	23	1.13	0.177	0.053	2.21	< 2	2	67	0.06	1	2	< 10	27	< 10	3	16			
1121010167 Orig																					0.56	1.89	
1121010167 Dup																					0.56	1.92	
1120001200 Orig																							0.361
1120001200 Dup																							0.377
1231018191 Orig	2.53	< 10	< 1	0.23	12	0.99	0.091	0.045	0.74	< 2	3	44	0.10	< 1	< 2	< 10	40	< 10	4	11			
1231018191 Dup	2.45	< 10	< 1	0.23	12	0.98	0.091	0.044	0.73	< 2	3	43	0.10	< 1	< 2	< 10	39	< 10	4	11			
1231018082 Orig																					0.32	0.69	
1231018082 Dup																					0.33	0.67	
1120007091 Orig																							0.246
1120007091 Dup																							0.255
1231018030 Orig																					0.46	0.80	
1231018030 Dup																					0.47	0.78	
1121011238 Orig																							
1121011238 Dup																							
1231013963 Orig																							0.141
1231013963 Dup																							0.131
1121011037 Orig	2.32	< 10	< 1	0.31	14	1.03	0.137	0.043	1.83	3	< 1	39	< 0.01	< 1	< 2	< 10	8	< 10	2	5			
1121011037 Dup	2.22	< 10	< 1	0.30	13	0.99	0.135	0.041	1.76	2	< 1	38	< 0.01	< 1	< 2	< 10	8	< 10	2	6			
1231015553 Orig																					0.35	1.34	
1231015553 Dup																					0.35	1.38	
1231015316 Orig																							1.461
1231015316 Dup																							1.527
1231015131 Orig																					0.02	2.33	
1231015131 Dup																					0.02	2.23	
1230022284 Orig	2.78	10	< 1	0.32	16	1.34	0.135	0.053	0.42	< 2	3	141	0.06	< 1	< 2	< 10	35	< 10	2	8			
1230022284 Dup	2.84	10	< 1	0.33	16	1.37	0.138	0.052	0.43	2	3	142	0.06	< 1	< 2	< 10	35	< 10	2	9			
1230022011 Orig																					0.43	0.36	0.030
1230022011 Dup																					0.43	0.34	0.014
1230022213 Orig																							
1230022213 Dup																							
1231013738 Orig	3.36	< 10	< 1	0.32	25	1.37	0.138	0.062	1.49	2	3	61	0.08	< 1	< 2	< 10	39	< 10	4	17			
1231013738 Dup	3.32	< 10	< 1	0.30	24	1.32	0.135	0.059	1.47	< 2	3	59	0.08	2	< 2	< 10	37	< 10	4	17			
1121011253 Orig																					1.24	1.53	0.243
1121011253 Dup																					1.24	1.54	0.292
1120001137 Orig	2.25	< 10	< 1	0.26	18	1.52	0.237	0.040	1.29	3	< 1	58	0.01	2	< 2	< 10	11	< 10	3	5			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1120001113 Orig																							0.205
1120001113 Dup																							0.173
1231014373 Orig																					0.21	2.28	
1231014373 Dup																					0.20	2.31	
1231015566 Orig																							
1231015566 Dup																							
1120001122 Orig																					0.49	0.99	
1120001122 Dup																					0.50	0.99	
1120003183 Orig	2.02	< 10	< 1	0.34	15	1.31	0.038	0.040	1.70	3	< 1	41	0.01	< 1	< 2	< 10	8	< 10	3	23			0.516
1120003183 Dup	2.02	< 10	< 1	0.33	15	1.29	0.036	0.040	1.70	3	< 1	40	0.01	< 1	< 2	< 10	8	< 10	3	24			0.577
1120001119 Orig																					0.81	0.31	
1120001119 Dup																					0.82	0.30	
1120003141 Orig																							
1231017723 Orig																							0.053
1231017723 Dup																							0.049
1120003230 Orig																							
1120003230 Dup																							
1120003060. Orig																							
1120003060. Dup																							
Method Blank																							< 0.005
Method Blank																							< 0.005
Method Blank																							< 0.005
Method Blank																							< 0.005
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Method Blank																							< 0.005
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.016	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GXR-6 Meas	
GXR-6 Cert	
BaSO4 Meas	
BaSO4 Cert	
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BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
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SGR-1b Meas	
SGR-1b Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
GS311-4 Meas	
GS311-4 Cert	
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GS900-5 Meas	
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GS900-5 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GS900-5 Meas	
GS900-5 Cert	
GS900-5 Meas	
GS900-5 Cert	
GS900-5 Meas	
GS900-5 Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
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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	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
(AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
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Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
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OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
Oreas 621 (Aqua Regia) Meas	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
OREAS 257 Meas	14.3
OREAS 257 Cert	14.18
OREAS 229b (Fire Assay) Meas	11.8
OREAS 229b (Fire Assay) Cert	11.9
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
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OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
1120003154 Orig	
1120003154 Dup	
1231016161 Orig	
1231016161 Dup	
1120004091 Orig	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1120004091 Dup	
1230023050 Orig	
1230023050 Dup	
1231016239 Orig	
1231016239 Dup	
1120004069 Orig	
1120004069 Dup	
1230023013 Orig	
1230023013 Dup	
v835758 Orig	
v835758 Dup	
1120004022 Orig	
1120004022 Dup	
1120005103 Orig	
1120005103 Dup	
1230024176 Orig	
1230024176 Dup	
1120004001 Orig	
1120004001 Dup	
1120005101 Orig	
1120005101 Dup	
1120006116 Orig	
1120006116 Dup	
1120006019 Orig	
1120006019 Dup	
1120006044 Orig	
1120006044 Dup	
v835761 Orig	
v835761 Dup	
1231020149 Orig	
1231020149 Dup	
1231021034 Orig	
1231021034 Dup	
1230026186 Orig	
1230026186 Dup	
2137524031 Orig	
2137524031 Dup	
v835762 Orig	
v835762 Dup	
1231018265 Orig	
1231018265 Dup	
1230026001 Orig	
1230026001 Dup	
1230026103 Orig	
1230026103 Dup	
1120002127 Orig	
1120002127 Dup	
1230025070 Orig	
1230025070 Dup	
1120011151 Orig	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1120011151 Dup	
1230024006 Orig	
1230024006 Dup	
1230024021 Orig	
1230024021 Dup	
1120002111 Orig	
1120002111 Dup	
1231021077 Orig	
1231021077 Dup	
1120010014 Orig	
1120010014 Dup	
1231021187 Orig	
1231021187 Dup	
1231021050 Orig	
1231021050 Dup	
1121010147 Orig	
1121010147 Dup	
1121010117 Orig	
1121010117 Dup	
1231015111 Orig	
1231015111 Dup	
1121010167 Orig	
1121010167 Dup	
1120001200 Orig	
1120001200 Dup	
1231018191 Orig	
1231018191 Dup	
1231018082 Orig	
1231018082 Dup	
1120007091 Orig	
1120007091 Dup	
1231018030 Orig	
1231018030 Dup	
1121011238 Orig	
1121011238 Dup	
1231013963 Orig	
1231013963 Dup	
1121011037 Orig	
1121011037 Dup	
1231015553 Orig	
1231015553 Dup	
1231015316 Orig	
1231015316 Dup	
1231015131 Orig	
1231015131 Dup	
1230022284 Orig	
1230022284 Dup	
1230022011 Orig	
1230022011 Dup	
1230022213 Orig	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230022213 Dup	
1231013738 Orig	
1231013738 Dup	
1121011253 Orig	
1121011253 Dup	
1120001137 Orig	
1120001113 Orig	
1120001113 Dup	
1231014373 Orig	
1231014373 Dup	
1231015566 Orig	
1231015566 Dup	
1120001122 Orig	
1120001122 Dup	
1120003183 Orig	
1120003183 Dup	
1120001119 Orig	
1120001119 Dup	
1120003141 Orig	12.9
1231017723 Orig	
1231017723 Dup	
1120003230 Orig	
1120003230 Dup	
1120003060. Orig	
1120003060. Dup	
Method Blank	
Method Blank	
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Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-11737**
Report Date:	**10-Oct-19**
Date Submitted:	**05-Sep-19**
Your Reference:	**2019 Q1 and Q2 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

238 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-(ppm)Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-09-17 07:25:57
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-09-18 11:45:25
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-09-19 09:59:36

REPORT **A19-11737**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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.: **A19-11737**
Report Date: **10-Oct-19**
Date Submitted: **05-Sep-19**
Your Reference: **2019 Q1 and Q2 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

238 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-09-20 08:31:26
4F-C, S	Infrared	2019-09-17 20:46:05

REPORT **A19-11737**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1121006010	11.5	64.6	53.1	27.9	2.32	8.93	1.3	1.6	90	1580	< 1	45	17	487	3.97	12	< 10	59	< 0.5	< 2	3.36	25	134
1121006053	28.4	26.1	-2.32	37.4	0.699	9.06	1.1	5.7	88	970	2	9	44	1490	2.33	54	< 10	41	< 0.5	< 2	1.73	7	122
1121008017	4.88	40.6	35.7	12.9	3.16	9.61	< 0.2	< 0.5	24	448	2	30	2	67	1.68	8	< 10	70	< 0.5	< 2	2.07	9	188
1121012160	1.86	41.9	40.0	8.88	4.71	9.74	< 0.2	< 0.5	15	361	< 1	17	< 2	50	1.59	3	< 10	66	< 0.5	< 2	2.05	6	312
1121006027	36.4	29.9	-6.56	53.6	0.557	8.94	1.5	25.4	115	1000	< 1	10	27	6060	1.94	39	< 10	26	< 0.5	< 2	1.46	5	226
1121012101	27.6	27.2	-0.367	36.8	0.741	9.08	0.4	< 0.5	39	329	< 1	17	10	52	1.43	10	< 10	47	< 0.5	4	1.38	9	312
1121008130	1.13	33.4	32.2	8.27	4.04	9.52	< 0.2	< 0.5	25	404	2	22	6	75	1.41	4	< 10	70	< 0.5	< 2	1.66	7	386
1231014185	33.5	22.7	-10.8	51.5	0.442	9.05	0.3	< 0.5	77	501	3	13	< 2	146	1.67	10	< 10	37	< 0.5	< 2	1.28	7	250
1231014190	13.7	17.9	4.13	23.6	0.758	8.90	0.3	1.7	66	695	< 1	14	< 2	548	2.21	9	< 10	62	< 0.5	< 2	1.28	7	256
1231013051	60.6	7.99	-52.6	64.9	0.123	8.42	0.7	< 0.5	167	496	4	15	< 2	70	2.05	13	< 10	26	< 0.5	3	0.98	8	301
1231013710	48.2	10.9	-37.3	59.7	0.182	8.68	1.3	< 0.5	171	506	3	21	4	103	2.56	10	< 10	33	< 0.5	< 2	1.28	9	246
1121008136	1.03	48.5	47.4	6.74	7.19	9.19	< 0.2	< 0.5	21	495	< 1	42	5	70	1.97	6	< 10	134	< 0.5	< 2	2.41	12	349
1231014218	28.7	20.9	-7.87	36.4	0.573	8.77	< 0.2	0.7	44	598	< 1	12	< 2	297	2.04	7	< 10	37	< 0.5	< 2	1.43	8	216
1231014226	64.7	20.5	-44.2	77.8	0.263	8.59	0.5	1.4	126	620	< 1	23	3	471	2.19	9	< 10	12	< 0.5	5	1.28	10	267
1121008174	0.607	49.6	49.0	12.6	3.95	9.30	0.4	< 0.5	51	692	1	19	4	93	2.45	9	< 10	78	< 0.5	< 2	2.73	7	302
1231013625	51.4	10.5	-40.9	63.7	0.165	8.68	1.0	< 0.5	268	487	3	16	6	67	3.18	14	< 10	26	< 0.5	3	1.43	8	197
1231014224	56.2	7.87	-48.4	65.2	0.121	8.63	0.4	< 0.5	124	558	1	14	< 2	211	1.93	8	< 10	16	< 0.5	5	0.60	8	242
1121008120	3.53	35.5	31.9	13.2	2.69	9.39	0.2	< 0.5	77	424	2	24	< 2	85	1.38	4	< 10	63	< 0.5	< 2	1.65	7	468
1231013129	46.4	26.6	-19.8	60.6	0.439	8.77	0.4	< 0.5	90	459	3	14	< 2	51	1.31	8	< 10	23	< 0.5	< 2	1.23	9	290
1121008126	3.63	38.2	34.6	11.0	3.47	9.45	0.3	< 0.5	17	450	< 1	22	9	88	1.36	9	< 10	67	< 0.5	< 2	1.74	6	467
v835546							3.9	< 0.5	22	138	7	4	< 2	26	0.67	< 2	< 10	23	< 0.5	< 2	0.62	5	9
1121012191	44.2	28.1	-16.2	57.6	0.488	9.72	0.6	0.6	50	810	< 1	10	82	233	2.75	64	< 10	34	< 0.5	< 2	1.55	8	65
1230020240	57.5	11.5	-46.0	72.3	0.159	8.75	0.5	< 0.5	28	388	< 1	11	5	57	2.97	7	< 10	21	< 0.5	4	1.09	8	95
1230020183	63.2	18.7	-44.5	79.6	0.235	9.03	1.5	3.2	71	573	< 1	12	3	845	2.80	21	< 10	15	< 0.5	4	1.34	8	116
1230020107	1.86	32.7	30.9	14.7	2.23	9.10	< 0.2	< 0.5	20	422	< 1	19	3	88	3.70	8	< 10	53	< 0.5	< 2	2.20	9	116
1230020163	1.76	20.7	19.0	9.49	2.18	8.85	0.3	< 0.5	28	528	< 1	9	6	128	4.00	11	< 10	61	< 0.5	< 2	1.75	7	55
1121006160	32.3	36.7	4.46	42.6	0.863	9.14	0.7	< 0.5	26	921	< 1	14	35	167	3.31	45	< 10	45	< 0.5	< 2	2.70	9	143
1121005041	25.6	19.4	-6.24	34.3	0.565	9.22	0.3	1.0	16	713	< 1	9	44	290	2.97	34	< 10	47	< 0.5	< 2	1.80	5	101
1121012182	3.94	51.2	47.3	16.2	3.16	9.42	0.2	< 0.5	64	436	2	10	6	64	2.46	44	< 10	59	< 0.5	< 2	2.42	6	127
1121012018	15.0	49.8	34.8	26.6	1.87	9.37	0.3	< 0.5	10	387	< 1	14	6	65	2.49	36	< 10	55	< 0.5	< 2	2.38	7	88
1121012016	14.7	31.4	16.7	23.9	1.31	9.41	0.3	0.7	14	348	< 1	15	8	188	2.83	31	< 10	54	< 0.5	< 2	1.90	6	105
1230021104	66.4	8.75	-57.7	83.3	0.105	9.62	0.7	0.7	39	372	< 1	12	5	208	2.05	9	< 10	24	< 0.5	4	0.64	9	156
1230021150	69.3	11.0	-58.4	86.7	0.127	8.56	0.5	< 0.5	43	349	1	13	4	61	2.44	3	< 10	15	< 0.5	4	0.89	11	137
1121006091	32.9	0.748	-32.1	50.8	0.0147	9.13	1.1	11.7	79	697	< 1	14	18	3350	2.35	31	< 10	29	< 0.5	< 2	0.81	5	274
1121012114	3.74	39.7	36.0	9.49	4.18	9.45	0.2	< 0.5	13	354	< 1	18	4	48	2.13	10	< 10	69	< 0.5	< 2	1.91	6	307
1230021101	61.9	66.2	4.22	79.9	0.828	9.27	0.4	< 0.5	31	487	< 1	13	3	131	2.32	6	< 10	23	< 0.5	5	2.21	9	120
1230020001	19.1	19.6	0.558	25.1	0.781	8.61	0.2	< 0.5	45	607	< 1	14	10	71	3.08	10	< 10	44	< 0.5	< 2	1.62	8	149
1121006131	23.0	28.7	5.73	32.2	0.894	9.01	0.5	< 0.5	34	789	< 1	12	30	126	3.75	40	< 10	48	< 0.5	< 2	2.35	8	200
1121006030	21.3	61.7	40.3	33.1	1.86	9.32	1.4	0.8	70	1160	< 1	7	82	262	1.77	50	< 10	36	< 0.5	< 2	2.28	6	86
1121008003	11.6	58.2	46.6	23.6	2.47	9.33	0.3	< 0.5	26	439	< 1	27	3	59	1.59	7	< 10	54	< 0.5	< 2	1.74	8	399
1121006063	26.2	24.8	-1.39	35.8	0.693	8.77	1.0	2.1	51	850	1	11	69	615	2.48	38	< 10	43	< 0.5	< 2	1.55	7	143
v835547							3.1	< 0.5	34	257	15	11	14	45	1.32	< 2	< 10	55	0.5	< 2	2.04	8	12
1231012191	84.2	-5.99	-90.2	105	-0.0570	6.54	0.5	< 0.5	22	215	< 1	11	7	41	1.29	35	< 10	15	< 0.5	11	0.16	8	94
1231012330	55.8	3.99	-51.8	67.4	0.0593	7.87	1.2	< 0.5	282	482	2	13	4	78	1.96	11	< 10	30	< 0.5	8	0.30	7	220
1231012165	40.2	-0.499	-40.7	53.0	-0.00942	7.45	0.6	< 0.5	171	370	2	13	6	105	2.06	26	12	32	< 0.5	2	0.28	8	81
1231012222	107	0.999	-106	125	0.00797	6.23	1.0	< 0.5	173	459	< 1	9	4	83	2.16	7	< 10	13	< 0.5	15	0.25	6	75
1121013044	37.9	49.2	11.3	51.5	0.956	8.72	0.9	7.9	71	1380	< 1	13	87	2130	1.10	87	< 10	27	< 0.5	< 2	1.63	8	244
1121013707	25.1	55.7	30.6	32.8	1.70	8.89	1.3	1.0	25	1430	< 1	9	71	291	1.48	58	< 10	33	< 0.5	< 2	1.83	6	140

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231012041	28.8	36.2	7.34	39.2	0.923	8.86	1.5	0.6	59	601	1	17	31	209	1.63	21	< 10	39	< 0.5	< 2	1.57	8	240
1231012106	20.0	19.1	-0.890	28.2	0.678	8.53	0.5	< 0.5	96	461	< 1	14	6	184	1.88	18	< 10	43	< 0.5	< 2	0.99	8	147
1121013094	30.4	27.4	-2.97	40.4	0.679	8.79	1.0	1.2	39	775	2	9	173	348	2.54	41	< 10	30	< 0.5	< 2	1.72	7	145
1230020033	37.4	48.7	11.3	50.5	0.963	8.64	0.6	5.8	91	560	1	39	7	1510	2.92	25	< 10	41	< 0.5	2	2.49	11	247
1230020026	57.0	38.2	-18.7	72.9	0.524	8.80	1.0	1.3	44	718	< 1	13	4	435	2.38	17	< 10	24	< 0.5	< 2	2.00	145	163
1121013722	28.3	41.7	13.4	38.3	1.09	8.89	1.1	< 0.5	33	810	1	11	49	135	2.19	70	< 10	40	< 0.5	< 2	1.94	6	115
1230020008	60.9	12.5	-48.4	75.9	0.164	8.43	2.5	4.9	170	436	9	12	12	1330	2.62	43	< 10	23	< 0.5	2	1.10	7	181
1121013732	8.22	58.2	50.0	15.3	3.80	9.18	0.4	< 0.5	16	687	2	15	< 2	70	1.46	7	< 10	79	< 0.5	< 2	2.35	7	246
1230020016	49.4	55.0	5.64	64.6	0.851	9.13	1.4	1.4	51	547	< 1	11	3	404	1.70	20	< 10	32	< 0.5	< 2	2.20	7	131
1121005057	25.9	15.5	-10.4	38.6	0.402	8.86	1.7	11.9	137	773	< 1	10	163	3040	2.42	47	< 10	34	< 0.5	< 2	1.74	6	170
1121012005	63.5	43.0	-20.5	85.1	0.505	8.89	0.7	1.4	39	638	< 1	13	130	360	1.82	59	< 10	20	< 0.5	< 2	1.86	9	64
1121005714	54.8	29.6	-25.2	71.1	0.416	8.52	1.9	14.8	83	941	2	13	140	3870	1.70	69	< 10	31	< 0.5	< 2	1.20	7	185
1121005029	27.9	12.4	-15.5	35.8	0.347	8.90	0.4	< 0.5	22	574	< 1	8	66	131	2.93	35	< 10	41	< 0.5	< 2	1.48	6	115
v835548							2.3	< 0.5	60	389	11	16	6	58	1.71	3	< 10	74	< 0.5	< 2	1.34	15	12
1230021103	69.6	11.1	-58.5	86.4	0.128	8.61	0.7	< 0.5	57	380	< 1	23	3	166	2.27	8	< 10	19	< 0.5	5	0.80	11	233
1121006126	34.0	57.6	23.6	45.3	1.27	8.88	0.7	3.8	86	1100	1	9	41	1110	1.68	52	< 10	35	< 0.5	< 2	2.18	5	106
1230021097	51.9	15.4	-36.4	63.1	0.244	8.64	0.8	0.6	93	424	< 1	12	13	218	2.23	8	< 10	28	< 0.5	< 2	0.80	8	138
1121006139	33.2	29.3	-3.93	37.1	0.791	9.03	0.6	< 0.5	27	760	< 1	10	42	173	3.44	49	< 10	50	< 0.5	< 2	2.20	9	109
1230021028	67.7	13.4	-54.3	75.0	0.178	8.65	1.3	2.2	99	625	< 1	13	10	650	2.36	15	< 10	21	< 0.5	< 2	0.78	8	112
1230021149	80.2	16.1	-64.1	89.4	0.180	8.56	0.8	< 0.5	135	394	1	11	3	97	2.39	7	< 10	12	< 0.5	5	1.17	8	141
1230021002	46.3	21.3	-25.0	51.8	0.412	8.88	1.0	0.7	54	850	< 1	33	16	293	2.72	15	< 10	37	< 0.5	< 2	0.97	11	233
1121012138	46.9	29.3	-17.6	51.5	0.569	8.96	0.4	< 0.5	33	710	< 1	10	36	142	2.71	65	< 10	41	< 0.5	< 2	1.57	8	77
1121012125	49.7	32.9	-16.8	54.8	0.600	8.75	1.4	< 0.5	111	718	2	13	27	135	2.72	98	< 10	32	< 0.5	< 2	1.87	13	84
1230021048	72.6	48.0	-24.6	82.7	0.580	8.66	1.1	2.2	80	656	1	28	5	624	2.24	19	< 10	24	< 0.5	< 2	1.96	12	212
1121012003	57.9	103	45.4	66.5	1.55	8.74	1.1	0.9	44	857	< 1	13	68	257	1.27	40	< 10	32	< 0.5	< 2	3.70	7	184
1121012015	22.5	47.7	25.2	27.3	1.75	9.28	0.4	0.8	30	446	< 1	15	11	240	2.55	19	< 10	51	< 0.5	< 2	2.33	6	167
1121006083	84.7	24.4	-60.3	93.7	0.260	8.78	1.8	6.1	50	668	< 1	8	108	1960	1.39	103	< 10	20	< 0.5	< 2	1.03	6	94
v835549							1.3	< 0.5	52	281	4	9	19	60	1.35	< 2	< 10	41	< 0.5	2	0.88	10	16
1121013021	10.1	63.2	53.1	14.4	4.39	9.47	0.5	0.9	20	691	< 1	16	3	295	1.62	10	< 10	85	< 0.5	< 2	2.67	7	214
1232008057	40.5	56.9	16.4	46.5	1.22	8.32	0.6	< 0.5	161	503	4	26	5	76	2.55	13	< 10	30	< 0.5	< 2	2.14	8	493
1121004144	71.3	14.0	-57.3	83.6	0.168	8.75	2.9	13.8	97	715	< 1	8	131	3660	2.81	127	< 10	10	< 0.5	< 2	0.58	7	105
1121004150	51.0	17.8	-33.3	58.8	0.302	8.83	2.3	13.8	96	878	< 1	18	123	3840	1.47	79	< 10	21	< 0.5	< 2	0.65	7	266
1121013009	45.9	31.3	-14.6	50.8	0.615	8.88	1.1	< 0.5	30	772	< 1	9	61	161	2.20	52	< 10	37	< 0.5	< 2	1.43	5	159
1121013066	39.9	35.9	-3.98	45.6	0.787	8.79	0.9	0.5	30	865	1	18	40	201	2.41	36	< 10	45	< 0.5	< 2	1.82	7	356
1121013069	40.6	29.3	-11.3	45.3	0.646	8.61	0.9	< 0.5	29	747	< 1	17	47	159	2.44	52	< 10	45	< 0.5	< 2	1.71	7	277
1121013098	26.7	28.2	1.57	30.3	0.931	8.92	1.3	0.7	33	887	< 1	11	135	278	2.53	40	< 10	39	< 0.5	< 2	1.58	6	208
1121005048	30.4	18.2	-12.2	33.4	0.545	8.82	0.3	< 0.5	11	639	< 1	12	47	103	2.71	39	< 10	42	< 0.5	< 2	1.44	5	195
1231012011	36.7	24.5	-12.2	41.7	0.587	8.41	0.6	< 0.5	143	448	< 1	20	5	132	2.06	19	< 10	45	< 0.5	< 2	1.21	9	248
1231012149	113	0.998	-112	118	0.00849	5.89	0.3	< 0.5	24	186	< 1	14	6	55	1.70	17	< 10	< 10	< 0.5	5	0.16	7	216
1231012100	112	2.86	-109	123	0.0233	7.43	< 0.2	< 0.5	5	695	< 1	12	< 2	112	2.50	6	< 10	< 10	< 0.5	5	0.16	7	125
1231012264	101	109	7.85	107	1.01	7.76	0.4	< 0.5	22	417	2	16	2	96	1.89	13	< 10	17	< 0.5	4	0.35	8	252
1231012228	104	-3.99	-108	109	-0.0366	6.97	0.3	< 0.5	35	343	< 1	12	3	62	1.62	10	< 10	10	< 0.5	4	0.22	6	180
1231012356	113	1.37	-112	120	0.0114	7.07	0.7	< 0.5	144	424	< 1	11	< 2	62	1.87	19	< 10	< 10	< 0.5	10	0.15	6	113
v835550							1.5	< 0.5	58	341	4	13	5	64	1.71	< 2	< 10	76	< 0.5	< 2	1.22	13	13
1231013131	50.8	26.6	-24.3	56.7	0.469	8.63	0.7	< 0.5	197	597	3	13	2	77	1.50	10	< 10	20	< 0.5	< 2	1.36	9	288
1121008115	5.41	17.5	12.1	9.19	1.90	9.20	0.4	0.6	41	731	< 1	18	4	188	1.87	9	< 10	69	< 0.5	< 2	2.55	5	306
1231013124	47.2	18.1	-29.1	51.8	0.350	8.50	0.3	< 0.5	89	487	3	14	< 2	49	1.32	6	< 10	30	< 0.5	< 2	0.96	8	281
1231013795	57.8	18.2	-39.6	63.1	0.288	8.44	0.4	< 0.5	110	523	3	24	8	168	2.58	11	< 10	32	< 0.5	< 2	1.74	9	445
1231013234	45.5	20.5	-25.0	50.8	0.403	8.77	0.5	< 0.5	138	607	4	10	< 2	154	1.49	9	< 10	26	< 0.5	< 2	1.17	7	198

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1121008156	1.24	82.8	81.5	6.13	13.5	9.03	< 0.2	< 0.5	19	702	< 1	40	< 2	99	2.71	9	< 10	129	< 0.5	< 2	3.36	14	321
1121008145	0.828	31.1	30.3	4.59	6.77	9.24	< 0.2	< 0.5	26	538	1	17	2	90	3.31	6	< 10	75	< 0.5	< 2	2.20	6	231
1231013180	45.2	33.3	-11.9	52.4	0.637	8.64	0.3	< 0.5	102	475	4	16	< 2	55	1.55	12	< 10	31	< 0.5	< 2	1.42	8	279
1230022048	18.8	3.99	-14.8	18.4	0.217	8.41	< 0.2	< 0.5	22	480	< 1	6	6	208	3.47	7	14	57	< 0.5	< 2	0.72	9	36
1121008150	8.54	44.9	36.4	11.9	3.76	9.31	0.5	< 0.5	40	642	< 1	19	3	94	2.83	4	< 10	99	< 0.5	< 2	2.47	8	313
1231014223	52.0	11.6	-40.3	57.0	0.204	8.60	0.3	< 0.5	107	469	1	15	< 2	86	2.00	8	< 10	10	< 0.5	2	0.83	8	258
1121008109	14.8	45.9	31.1	19.6	2.34	8.70	0.4	< 0.5	33	693	< 1	25	3	93	1.35	10	< 10	56	< 0.5	< 2	1.88	9	580
1231013291	53.6	12.7	-40.9	59.1	0.215	8.66	0.3	1.0	82	502	3	14	< 2	371	1.48	9	< 10	< 10	< 0.5	< 2	0.80	7	223
1231014050	60.5	16.7	-43.8	67.7	0.247	8.59	0.2	< 0.5	62	340	4	13	3	190	1.52	6	< 10	18	< 0.5	< 2	0.84	10	262
1230022022	10.6	9.12	-1.51	10.4	0.876	8.45	< 0.2	< 0.5	40	572	< 1	5	16	245	3.03	6	14	67	0.7	< 2	0.82	8	27
1231013932	50.4	21.4	-29.0	57.6	0.371	8.71	0.4	4.4	105	523	3	23	< 2	1210	2.23	8	< 10	12	< 0.5	< 2	1.42	9	387
1231013971	51.1	15.5	-35.7	55.4	0.279	8.85	< 0.2	< 0.5	53	298	3	13	< 2	109	1.93	7	< 10	28	0.5	< 2	1.38	8	217
1230022100	40.0	12.4	-27.6	44.4	0.278	8.43	2.7	1.6	80	633	1	11	28	544	3.68	14	11	35	< 0.5	3	1.20	7	86
1230022257	24.9	16.4	-8.54	27.9	0.587	8.44	< 0.2	< 0.5	20	648	< 1	7	8	117	3.59	7	26	53	< 0.5	< 2	1.22	8	68
1230022188	39.0	3.37	-35.6	42.0	0.0803	8.08	0.5	< 0.5	62	599	1	9	14	290	2.37	15	12	28	< 0.5	< 2	0.37	8	56
v835751							7.3	< 0.5	32	248	19	9	15	43	1.28	2	< 10	55	< 0.5	< 2	2.00	8	12
1231009237	44.4	13.7	-30.6	49.0	0.280	8.65	0.4	< 0.5	142	513	4	15	< 2	68	1.59	11	< 10	16	< 0.5	< 2	0.92	7	307
1121001059	16.6	40.4	23.8	16.2	2.49	9.13	0.4	< 0.5	13	515	< 1	13	8	67	2.11	23	< 10	60	< 0.5	< 2	1.90	8	68
1121009150	34.6	53.9	19.3	39.2	1.37	8.99	0.6	0.5	18	614	< 1	10	28	181	2.02	46	< 10	36	< 0.5	< 2	2.12	6	101
1231009003	52.0	11.5	-40.5	57.3	0.201	8.33	0.6	< 0.5	166	466	4	19	< 2	66	2.21	13	< 10	15	< 0.5	< 2	1.19	7	412
1231008354	71.2	10.4	-60.9	77.8	0.133	8.48	1.3	< 0.5	227	420	3	15	< 2	54	1.92	9	< 10	15	< 0.5	< 2	0.85	8	268
1121001129	43.5	17.8	-25.7	47.8	0.374	8.85	0.7	0.7	32	606	< 1	10	59	310	2.63	42	< 10	36	< 0.5	< 2	1.51	9	56
1121009091	71.6	51.1	-20.5	81.8	0.625	8.59	2.7	2.4	66	1170	< 1	13	422	708	1.48	82	< 10	22	< 0.5	< 2	1.92	12	119
1231009139	53.6	7.37	-46.3	58.8	0.125	8.32	0.9	< 0.5	195	440	4	19	< 2	71	1.95	9	< 10	26	< 0.5	< 2	0.72	8	404
1231009004	45.2	12.1	-33.1	49.9	0.243	8.40	0.4	< 0.5	143	476	3	17	2	62	2.25	6	< 10	24	< 0.5	< 2	1.23	8	422
1121001259	55.1	30.8	-24.3	61.6	0.501	8.75	1.1	4.8	81	732	< 1	13	133	1280	2.35	70	< 10	30	< 0.5	< 2	1.33	9	126
1121001080	23.5	35.6	12.0	26.3	1.35	9.20	0.6	< 0.5	18	623	< 1	18	11	105	2.12	25	< 10	55	< 0.5	< 2	1.77	8	108
1121001110	44.5	28.7	-15.8	49.9	0.575	8.76	0.7	2.9	34	823	< 1	10	41	848	3.36	49	12	34	< 0.5	< 2	1.83	8	85
1231010028	65.5	11.7	-53.8	73.8	0.159	8.59	1.2	1.3	193	439	2	13	4	414	2.29	9	< 10	19	< 0.5	6	0.80	9	167
1122021158	66.3	14.7	-51.6	79.9	0.185	8.38	2.2	20.5	121	1040	< 1	14	317	5430	1.33	128	< 10	< 10	< 0.5	< 2	0.63	5	204
1122021141	62.6	13.6	-49.0	71.1	0.192	8.62	2.0	10.0	78	687	< 1	12	132	2720	1.52	136	< 10	20	< 0.5	< 2	0.62	6	233
1121009001	55.9	63.7	7.78	62.5	1.02	8.72	1.0	0.7	41	1090	< 1	12	61	207	1.87	92	< 10	39	< 0.5	< 2	2.38	9	122
1122020152	48.7	55.4	6.64	59.4	0.932	9.07	5.5	6.7	116	1560	3	8	1010	2420	1.21	92	< 10	35	< 0.5	< 2	2.08	13	76
1121009169	59.4	76.5	17.2	66.5	1.15	9.06	1.1	1.1	22	1140	< 1	13	70	316	1.32	44	< 10	31	< 0.5	< 2	2.44	8	85
1122020197	35.0	63.5	28.5	41.0	1.55	9.01	1.5	2.1	41	1650	< 1	10	142	613	1.59	58	< 10	34	< 0.5	< 2	2.08	5	118
1121001125	39.5	23.2	-16.2	43.5	0.534	8.68	0.6	< 0.5	32	623	2	10	12	176	2.96	58	< 10	41	< 0.5	< 2	1.58	8	65
1121002072	23.4	64.1	40.6	27.9	2.30	9.32	0.3	< 0.5	21	590	< 1	9	11	147	1.96	33	< 10	48	< 0.5	< 2	2.64	6	40
1121002030	23.8	43.2	19.4	27.6	1.57	8.95	0.3	< 0.5	21	835	< 1	9	33	125	3.00	31	< 10	46	< 0.5	< 2	2.26	8	42
1121001034	22.9	21.1	-1.81	26.6	0.792	8.89	0.3	0.6	20	579	< 1	13	25	214	3.29	20	< 10	55	< 0.5	< 2	1.92	6	154
1121002037	24.6	45.6	21.0	28.5	1.60	9.16	0.7	< 0.5	15	447	< 1	10	7	55	1.79	45	< 10	47	< 0.5	< 2	2.02	6	64
1121002063	18.4	40.1	21.7	21.7	1.84	8.99	0.3	< 0.5	9	423	< 1	11	8	46	2.14	32	< 10	53	< 0.5	< 2	2.26	6	80
1121001042	12.0	30.2	18.3	15.6	1.94	9.05	< 0.2	< 0.5	17	478	< 1	16	5	103	2.41	6	< 10	61	< 0.5	< 2	2.19	6	227
1121001062	17.0	37.4	20.4	20.8	1.79	9.23	0.6	< 0.5	27	501	3	15	8	68	2.11	11	< 10	58	< 0.5	< 2	1.85	16	232
v835540							2.3	< 0.5	58	379	11	16	6	56	1.63	< 2	< 10	72	< 0.5	< 2	1.28	15	12
1122019002	51.1	23.2	-27.9	58.8	0.395	8.56	1.2	10.4	96	741	1	11	50	2880	1.39	95	< 10	24	< 0.5	< 2	0.97	6	195
1122019136	75.4	2.25	-73.2	85.1	0.0264	8.20	1.0	14.8	100	638	< 1	8	34	4120	1.58	136	< 10	12	< 0.5	4	0.17	5	102
1231010104	76.9	10.2	-66.6	86.1	0.119	8.74	1.6	3.3	125	427	< 1	21	6	944	2.31	25	< 10	13	< 0.5	3	0.50	10	249
1121001208	40.9	14.1	-26.8	44.7	0.316	8.54	0.8	0.7	25	697	< 1	14	24	238	3.44	51	< 10	35	< 0.5	< 2	1.76	9	187
1231010001	49.1	6.24	-42.8	54.2	0.115	8.47	0.8	1.5	45	568	< 1	11	26	503	2.14	16	< 10	29	< 0.5	< 2	0.42	7	163

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231010064	64.2	21.8	-42.3	72.3	0.302	8.49	0.9	1.8	225	363	3	14	3	567	1.47	12	< 10	17	< 0.5	3	1.06	7	256
1231010114	63.5	15.0	-48.6	69.2	0.216	6.69	0.5	2.0	92	364	2	12	3	620	1.73	8	< 10	16	< 0.5	< 2	0.96	7	190
1121009010	36.4	74.6	38.2	43.8	1.70	6.99	1.7	5.9	104	1650	< 1	14	73	1400	1.69	34	< 10	39	< 0.5	< 2	2.58	7	203
1121009160	49.8	72.7	22.9	57.6	1.26	7.29	1.3	1.1	38	1170	< 1	12	269	340	1.78	34	< 10	29	< 0.5	< 2	2.71	7	188
1231009265	50.8	11.9	-39.0	58.5	0.203	7.48	0.5	< 0.5	149	455	4	16	2	68	1.50	11	< 10	15	< 0.5	< 2	0.77	7	321
1121009009	31.4	78.8	47.4	49.3	1.60	7.77	1.6	10.1	69	2030	< 1	13	384	2860	1.32	50	< 10	35	< 0.5	< 2	2.70	7	169
1231010047	54.1	22.1	-32.0	66.2	0.334	7.65	0.6	0.8	145	388	4	16	< 2	280	1.60	9	< 10	20	< 0.5	2	1.09	8	329
1121009052	57.0	61.5	4.51	65.5	0.938	7.89	1.6	8.4	78	2010	< 1	16	366	2150	1.41	62	< 10	28	< 0.5	< 2	2.19	7	194
1121009156	70.7	62.3	-8.44	80.5	0.773	7.94	0.9	2.0	40	1090	< 1	16	232	549	1.37	50	< 10	23	< 0.5	< 2	2.16	8	186
1231010130	52.4	15.5	-36.9	56.3	0.275	7.99	0.3	< 0.5	122	454	3	17	< 2	233	1.47	4	< 10	28	< 0.5	< 2	0.70	7	400
1121009008	49.8	71.1	21.3	56.7	1.26	8.14	1.3	3.6	50	1850	< 1	14	321	975	1.34	61	< 10	31	< 0.5	< 2	2.45	8	155
1121009007	48.9	68.1	19.1	55.7	1.22	8.12	1.0	1.8	35	2080	< 1	16	250	514	1.15	60	< 10	33	< 0.5	< 2	2.26	6	295
1231009038	52.7	7.11	-45.6	57.6	0.123	8.16	0.6	< 0.5	193	426	3	14	< 2	58	2.12	10	< 10	16	< 0.5	< 2	0.98	8	316
1231010085	48.4	37.4	-11.0	53.9	0.694	8.34	0.3	< 0.5	87	554	3	16	2	81	1.50	8	< 10	29	< 0.5	< 2	1.62	7	300
v835541							3.9	< 0.5	21	132	7	5	< 2	25	0.64	< 2	< 10	21	< 0.5	< 2	0.59	5	9
1122019108	29.6	55.7	26.2	34.0	1.64	8.54	0.8	1.6	23	1170	< 1	7	97	479	1.92	25	< 10	37	< 0.5	< 2	2.20	5	72
1122019118	64.7	12.4	-52.3	79.0	0.156	8.39	1.2	22.8	112	779	< 1	6	19	6330	1.32	97	< 10	11	< 0.5	< 2	0.68	5	93
1122019211	52.6	45.6	-6.96	58.8	0.776	8.45	1.2	0.7	21	1020	< 1	7	131	298	1.94	58	< 10	26	< 0.5	< 2	1.90	6	75
1122021026	44.7	40.8	-3.89	52.4	0.779	8.52	1.5	7.4	47	1400	< 1	9	471	2170	1.15	70	< 10	12	< 0.5	< 2	1.12	6	146
1122019065	38.2	25.8	-12.4	45.3	0.569	8.59	2.4	10.4	73	821	< 1	9	61	2690	1.70	73	< 10	31	< 0.5	< 2	1.08	6	93
1122010946	34.9	22.6	-12.3	42.9	0.527	8.61	0.9	13.1	76	875	< 1	7	34	3400	1.71	58	< 10	28	< 0.5	< 2	0.98	6	108
1122019240	62.7	10.7	-52.0	71.7	0.150	8.51	2.4	10.6	108	615	< 1	7	51	3100	1.32	84	< 10	< 10	< 0.5	< 2	0.43	6	103
1122021023	36.5	13.2	-23.3	44.4	0.298	8.68	1.0	9.8	55	1110	< 1	7	68	2660	1.28	51	< 10	12	< 0.5	< 2	0.85	5	80
1122019250	77.0	8.12	-68.8	88.5	0.0918	8.51	2.5	13.6	115	615	< 1	5	109	4000	1.09	95	< 10	< 10	< 0.5	< 2	0.52	6	78
1122019081	47.2	30.5	-16.6	56.3	0.542	8.66	1.2	11.3	76	922	< 1	10	58	3100	1.73	95	< 10	14	< 0.5	< 2	1.11	6	101
1122019085	36.5	28.1	-8.42	45.0	0.625	8.75	1.1	12.1	66	1010	< 1	12	55	3090	1.99	44	< 10	29	< 0.5	< 2	1.06	5	131
1122021118	46.4	21.7	-24.7	54.5	0.399	8.61	1.0	6.9	49	1140	< 1	7	68	1900	1.22	56	< 10	11	< 0.5	< 2	0.71	6	122
1122021005	77.9	25.3	-52.6	90.0	0.281	8.35	0.7	11.2	34	545	1	14	18	3090	1.18	210	< 10	13	< 0.5	< 2	0.97	5	240
1122021045	54.1	21.0	-33.2	64.6	0.325	8.54	1.4	4.0	57	585	< 1	9	254	1100	1.30	167	< 10	20	< 0.5	< 2	0.78	6	83
1122020023	31.8	30.1	-1.67	35.5	0.847	8.91	0.6	< 0.5	23	660	< 1	11	19	124	2.75	29	< 10	38	< 0.5	< 2	1.64	6	125
1122021012	61.6	9.35	-52.2	65.5	0.143	8.40	0.6	4.2	27	305	< 1	11	82	1220	1.26	202	< 10	14	< 0.5	< 2	0.38	6	215
1122021127	23.1	60.7	37.6	29.4	2.07	8.62	3.3	3.7	132	1670	1	14	775	1130	1.08	61	< 10	48	< 0.5	< 2	2.07	8	220
1122019004	44.8	62.9	18.1	57.0	1.10	8.67	2.7	16.7	85	914	< 1	31	130	4140	2.11	68	< 10	17	1.0	< 2	2.50	12	312
1231010040	64.3	5.25	-59.0	69.5	0.0755	8.60	1.1	1.5	73	481	< 1	11	57	378	2.38	8	< 10	13	< 0.5	2	0.34	8	127
v835542							9.0	< 0.5	50	320	20	12	6	53	1.50	< 2	< 10	70	< 0.5	< 2	1.10	13	12
1232008021	26.3	27.2	0.865	29.4	0.926	8.59	< 0.2	0.9	25	501	< 1	26	3	291	1.64	5	< 10	46	< 0.5	< 2	1.31	7	629
1231011354	56.2	2.37	-53.9	61.6	0.0385	8.27	0.4	< 0.5	50	405	< 1	11	4	91	2.48	29	< 10	19	< 0.5	3	0.40	8	111
1232008116	52.5	19.1	-33.4	59.1	0.323	8.51	0.4	2.4	138	511	< 1	26	< 2	750	1.99	6	< 10	14	< 0.5	3	1.02	9	491
2136005038	3.44	38.3	34.8	3.37	11.4	9.58	< 0.2	< 0.5	17	401	< 1	24	< 2	55	1.53	7	< 10	229	< 0.5	< 2	1.66	9	506
1232008167	26.8	24.2	-2.58	31.2	0.774	8.87	0.3	< 0.5	48	389	3	33	< 2	75	1.57	3	< 10	33	< 0.5	< 2	1.39	10	315
1231011156	64.9	4.37	-60.5	71.4	0.0612	7.32	0.6	< 0.5	103	748	< 1	13	4	110	2.65	18	< 10	11	< 0.5	9	0.34	9	62
1121003155	53.5	64.8	11.3	60.6	1.07	8.81	1.5	5.1	54	1090	< 1	11	247	1410	1.50	57	< 10	26	< 0.5	< 2	2.27	6	104
1121003123	53.9	94.2	40.2	62.2	1.51	8.93	2.4	3.1	72	1660	1	22	183	882	1.02	50	< 10	21	< 0.5	< 2	2.87	10	303
1232008018	24.1	16.6	-7.46	23.6	0.704	9.02	< 0.2	1.1	41	550	< 1	30	2	419	1.35	6	< 10	46	< 0.5	< 2	0.82	6	792
1232008125	57.7	37.1	-20.6	66.5	0.558	8.64	0.2	1.0	92	600	< 1	26	< 2	398	1.92	9	< 10	14	< 0.5	5	1.57	10	430
1121003156	59.9	47.5	-12.3	70.4	0.675	8.91	5.3	5.6	98	1450	< 1	17	678	1510	0.98	70	< 10	18	< 0.5	< 2	2.15	8	226
2136007032	1.56	34.3	32.8	1.53	22.4	9.68	< 0.2	< 0.5	9	278	< 1	16	< 2	45	1.96	3	< 10	97	< 0.5	< 2	1.63	7	210
1232008129	41.3	18.6	-22.8	47.8	0.389	8.44	0.3	0.7	89	473	2	28	< 2	238	1.82	8	< 10	15	< 0.5	< 2	1.05	9	444
2136007028	3.13	32.4	29.2	3.06	10.6	9.77	< 0.2	< 0.5	13	290	< 1	16	< 2	57	1.62	< 2	< 10	110	< 0.5	< 2	1.32	9	186

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
v835543							1.5	< 0.5	55	322	4	12	9	62	1.56	< 2	< 10	67	< 0.5	< 2	1.13	12	13
1121004072	42.7	20.9	-21.8	54.8	0.381	9.07	2.1	17.8	80	1280	< 1	8	241	5040	1.66	67	< 10	14	< 0.5	< 2	0.78	6	148
1231011398	79.9	0.999	-78.9	84.8	0.0118	6.84	< 0.2	< 0.5	10	292	< 1	14	4	80	2.23	13	< 10	< 10	< 0.5	< 2	0.10	6	215
1121004019	60.9	18.1	-42.8	70.4	0.257	8.87	0.9	10.6	91	680	< 1	7	56	2910	1.41	99	< 10	< 10	< 0.5	< 2	0.65	5	73
1121013006	30.6	29.8	-0.796	34.9	0.854	9.07	0.6	1.1	29	953	< 1	18	99	333	2.38	46	< 10	39	< 0.5	< 2	1.46	5	88
1232008134	34.9	11.7	-23.1	39.5	0.297	8.59	0.4	< 0.5	83	383	2	25	< 2	71	1.71	5	< 10	36	< 0.5	< 2	1.17	10	266
1232008112	32.8	14.8	-18.0	36.4	0.407	8.86	0.3	< 0.5	79	442	< 1	17	< 2	174	1.71	6	< 10	23	< 0.5	< 2	1.17	9	282
1121004021	68.8	7.50	-61.3	79.6	0.0942	9.06	2.1	3.5	112	1170	< 1	8	74	1010	2.25	94	< 10	11	< 0.5	< 2	0.31	6	101
1121004007	55.6	10.2	-45.4	62.8	0.163	8.52	1.3	3.9	134	610	< 1	8	13	1070	1.70	105	< 10	19	< 0.5	< 2	0.30	6	62
2136007016	6.25	25.2	19.0	6.13	4.12	9.73	< 0.2	< 0.5	16	272	< 1	14	< 2	49	1.68	4	< 10	107	< 0.5	< 2	1.22	8	164
1121004051	47.9	19.2	-28.7	53.0	0.362	8.85	0.4	< 0.5	16	544	< 1	10	17	133	1.93	144	< 10	23	< 0.5	< 2	0.91	7	70
1121004062	67.5	10.1	-57.4	78.7	0.129	8.74	1.8	15.5	119	773	< 1	8	43	4280	1.81	112	< 10	12	< 0.5	< 2	0.43	5	106
2136007034	5.31	32.7	27.4	5.21	6.28	9.61	< 0.2	< 0.5	12	302	< 1	16	< 2	57	1.47	4	< 10	84	< 0.5	< 2	1.51	7	221
1232008114	28.6	22.6	-6.03	33.4	0.677	9.01	0.2	0.8	57	566	< 1	14	< 2	308	2.36	5	< 10	29	< 0.5	< 2	1.39	8	141
2136007098	3.75	20.3	16.6	3.67	5.53	9.54	< 0.2	< 0.5	8	318	< 1	17	< 2	61	3.01	3	< 10	106	< 0.5	< 2	1.89	8	214
1231011331	61.4	3.75	-57.7	66.2	0.0567	7.93	1.0	< 0.5	529	399	< 1	16	3	105	2.48	15	< 10	18	< 0.5	11	0.34	8	107
1121004085	53.5	12.6	-40.9	59.7	0.211	8.92	1.3	1.9	44	779	< 1	8	22	487	2.00	134	< 10	27	< 0.5	< 2	0.99	6	77
2136007110	0.0992	45.9	45.8	3.37	13.6	9.66	< 0.2	< 0.5	13	323	2	18	< 2	54	1.55	4	< 10	116	< 0.5	< 2	1.71	14	309
1121004105	63.5	10.6	-52.9	74.1	0.143	8.78	3.7	16.7	156	622	< 1	9	59	4560	1.79	146	< 10	13	< 0.5	< 2	0.47	6	94
v835544							8.8	< 0.5	49	320	19	14	6	52	1.61	< 2	< 10	71	< 0.5	< 2	1.17	12	13
1121001170	25.3	10.00	-15.3	28.2	0.355	8.78	0.2	< 0.5	21	628	< 1	12	15	120	3.93	22	< 10	46	< 0.5	< 2	1.76	9	75
1122020021	20.8	16.2	-4.59	23.9	0.680	9.05	0.3	< 0.5	22	614	2	9	32	107	3.52	26	< 10	49	< 0.5	< 2	1.80	5	132
1121001070	37.5	26.8	-10.7	42.0	0.640	8.90	0.5	< 0.5	29	792	< 1	10	53	158	2.89	52	< 10	39	< 0.5	< 2	1.98	8	71
1121003151	58.4	73.2	14.8	67.1	1.09	8.94	1.2	3.0	41	1490	< 1	15	181	901	0.99	47	< 10	21	< 0.5	< 2	2.62	10	97
1121003044	72.5	44.4	-28.1	84.5	0.526	8.56	4.3	10.3	146	979	< 1	10	70	2790	1.42	92	< 10	12	< 0.5	< 2	1.58	7	126
1121003045	56.4	51.3	-5.16	65.5	0.782	8.81	1.1	8.0	57	1080	< 1	9	28	2190	1.31	69	< 10	22	< 0.5	< 2	1.82	6	87
2136004002	3.13	19.1	16.0	3.06	6.24	9.96	< 0.2	< 0.5	24	323	4	20	2	61	1.87	< 2	< 10	104	< 0.5	< 2	1.25	7	203
1221001028	30.0	21.1	-8.88	33.7	0.627	9.05	0.4	< 0.5	14	598	< 1	17	28	141	3.42	26	< 10	40	< 0.5	< 2	2.05	6	261
1121003028	99.8	7.36	-92.4	107	0.0689	8.32	2.7	6.1	60	366	< 1	14	65	1560	1.37	151	< 10	< 10	< 0.5	4	0.38	8	221
1121003085	56.4	94.1	37.6	65.2	1.44	9.18	1.4	3.1	18	1750	< 1	18	67	956	1.01	129	< 10	26	< 0.5	< 2	2.54	10	232
1121003015	97.9	2.50	-95.4	106	0.0236	7.83	3.1	4.7	142	347	< 1	11	37	1270	1.38	158	< 10	< 10	< 0.5	2	0.18	6	190
1121001198	30.7	19.6	-11.2	34.9	0.561	8.88	1.1	< 0.5	21	606	< 1	13	21	166	3.32	63	< 10	43	< 0.5	< 2	2.06	8	164
1121001001	15.1	56.5	41.4	19.0	2.97	9.33	0.3	< 0.5	29	459	< 1	21	5	72	2.05	10	< 10	79	< 0.5	< 2	2.46	9	278
1121001007	26.1	51.7	25.5	29.4	1.76	9.23	0.3	< 0.5	13	518	< 1	10	10	102	2.04	44	< 10	47	< 0.5	< 2	2.12	5	80
1121003069	102	50.6	-51.9	114	0.444	8.81	3.2	9.5	58	1100	< 1	10	114	2760	1.05	118	< 10	< 10	< 0.5	6	1.55	7	98
1121003002	37.0	35.5	-1.51	45.6	0.777	8.91	3.6	12.1	119	984	< 1	10	164	3390	1.97	46	< 10	32	< 0.5	< 2	1.50	6	203
1121001021	15.6	33.9	18.3	15.3	2.22	9.12	0.3	< 0.5	25	419	< 1	18	< 2	61	2.59	8	< 10	58	< 0.5	< 2	1.99	6	317
1121003090	48.2	43.1	-5.16	55.1	0.781	8.70	3.8	5.1	86	1220	< 1	15	44	1380	1.85	70	< 10	28	< 0.5	< 2	1.67	6	217
1121003001	47.8	38.7	-9.14	58.2	0.664	8.89	2.8	13.2	149	912	3	12	136	3640	1.71	51	< 10	31	< 0.5	< 2	1.50	5	214
1232008042	57.6	17.6	-40.0	64.0	0.275	8.53	0.7	< 0.5	172	571	3	17	4	69	3.12	13	< 10	20	< 0.5	< 2	1.72	8	210
1121003082	60.4	58.3	-2.07	68.0	0.858	8.73	3.8	4.7	33	1060	< 1	18	591	1320	0.88	72	< 10	23	< 0.5	< 2	1.86	8	279
1121003031	62.7	10.4	-52.3	69.8	0.148	8.16	1.7	3.7	89	707	< 1	14	84	1070	1.91	50	< 10	14	< 0.5	4	0.39	6	163
v835545							2.2	< 0.5	56	380	11	16	5	60	1.71	< 2	< 10	73	< 0.5	< 2	1.34	15	12

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1121006010	8.21	10	< 1	0.48	< 10	1.70	0.226	0.068	0.87	2	12	123	0.16	5	< 2	< 10	165	< 10	9	11	1.07	0.91	0.261
1121006053	2.08	< 10	< 1	0.57	16	1.22	0.048	0.037	1.29	< 2	1	55	0.02	2	< 2	< 10	11	< 10	2	16	0.35	1.22	1.013
1121008017	2.38	< 10	< 1	0.30	15	0.85	0.098	0.039	0.43	< 2	2	48	0.02	< 1	< 2	< 10	17	< 10	3	8	0.59	0.42	0.021
1121012160	2.30	< 10	< 1	0.23	14	0.86	0.108	0.042	0.31	< 2	2	55	0.01	6	< 2	< 10	19	< 10	3	7	0.59	0.29	0.017
1121006027	2.76	< 10	1	0.51	14	1.26	0.031	0.034	1.80	< 2	1	29	< 0.01	3	< 2	< 10	9	< 10	2	22	0.40	1.75	0.609
1121012101	2.96	< 10	< 1	0.25	14	0.79	0.087	0.042	1.22	5	2	26	0.03	3	< 2	< 10	22	< 10	4	12	0.38	1.20	0.082
1121008130	2.29	< 10	< 1	0.25	17	0.87	0.079	0.044	0.26	< 2	2	32	0.04	1	3	< 10	23	< 10	4	9	0.47	0.27	0.020
1231014185	2.65	< 10	< 1	0.27	14	0.84	0.138	0.040	1.63	3	1	48	< 0.01	< 1	< 2	< 10	15	< 10	3	20	0.28	1.68	0.336
1231014190	2.31	< 10	< 1	0.22	14	0.98	0.210	0.041	0.80	< 2	1	82	0.01	< 1	< 2	< 10	15	< 10	2	14	0.19	0.77	0.115
1231013051	3.06	< 10	< 1	0.21	13	0.86	0.197	0.038	2.18	< 2	1	83	0.02	< 1	< 2	< 10	14	< 10	3	16	0.10	2.12	0.437
1231013710	3.01	< 10	< 1	0.34	13	0.95	0.244	0.040	2.00	< 2	1	100	0.05	< 1	< 2	< 10	19	19	3	15	0.16	1.95	0.544
1121008136	2.77	< 10	< 1	0.29	22	1.53	0.079	0.072	0.23	< 2	4	158	0.10	< 1	< 2	< 10	38	< 10	4	11	0.59	0.22	0.019
1231014218	2.62	< 10	< 1	0.26	23	1.01	0.164	0.074	1.22	< 2	2	99	0.01	2	< 2	< 10	20	< 10	4	8	0.25	1.19	0.049
1231014226	3.78	< 10	< 1	0.24	20	1.11	0.185	0.050	2.49	3	2	67	< 0.01	< 1	< 2	< 10	24	< 10	4	20	0.23	2.54	0.120
1121008174	2.45	< 10	< 1	0.32	14	0.87	0.238	0.041	0.43	< 2	2	156	0.05	< 1	< 2	< 10	21	< 10	3	8	0.65	0.41	0.058
1231013625	3.37	< 10	< 1	0.34	13	0.96	0.242	0.043	2.12	< 2	1	120	0.01	5	< 2	< 10	13	< 10	3	15	0.12	2.08	0.551
1231014224	3.44	< 10	< 1	0.24	14	0.90	0.134	0.040	2.13	< 2	1	43	< 0.01	< 1	< 2	< 10	14	< 10	2	19	0.06	2.13	0.101
1121008120	2.34	< 10	< 1	0.24	16	0.77	0.085	0.043	0.41	3	2	37	0.04	< 1	< 2	< 10	19	< 10	4	10	0.49	0.43	0.012
1231013129	2.82	< 10	< 1	0.20	12	0.81	0.103	0.039	1.98	< 2	2	33	< 0.01	5	< 2	< 10	15	< 10	3	19	0.30	1.98	0.123
1121008126	2.34	< 10	< 1	0.22	14	0.81	0.083	0.043	0.37	3	2	31	0.03	< 1	< 2	< 10	20	< 10	3	12	0.48	0.36	0.021
v835546	1.53	< 10	< 1	0.09	< 10	0.13	0.160	0.030	0.02	< 2	1	23	0.27	4	< 2	< 10	35	< 10	9	15	0.04	0.02	1.188
1121012191	3.02	< 10	< 1	0.39	21	1.07	0.100	0.057	1.81	< 2	1	36	< 0.01	< 1	< 2	< 10	13	< 10	3	12	0.32	1.88	1.160
1230020240	2.59	< 10	< 1	0.27	16	1.41	0.212	0.049	2.43	< 2	1	90	< 0.01	2	< 2	< 10	13	< 10	2	17	0.09	2.36	0.038
1230020183	2.70	< 10	< 1	0.30	20	1.46	0.219	0.053	2.69	2	1	88	< 0.01	3	< 2	< 10	14	< 10	2	19	0.20	2.60	0.118
1230020107	2.44	< 10	< 1	0.29	15	1.31	0.090	0.056	0.45	< 2	2	124	< 0.01	< 1	< 2	< 10	22	< 10	2	7	0.38	0.48	0.025
1230020163	2.33	10	< 1	0.29	14	1.31	0.088	0.050	0.29	< 2	1	110	< 0.01	< 1	< 2	< 10	17	< 10	2	5	0.23	0.31	0.028
1121006160	2.88	< 10	< 1	0.45	20	1.32	0.122	0.054	1.34	< 2	2	82	0.04	< 1	< 2	< 10	21	< 10	3	8	0.41	1.39	0.439
1121005041	1.85	< 10	< 1	0.54	16	1.27	0.091	0.039	1.12	< 2	1	77	0.02	< 1	< 2	< 10	12	< 10	2	10	0.21	1.12	0.126
1121012182	1.92	< 10	< 1	0.35	12	1.26	0.199	0.037	0.53	< 2	1	105	< 0.01	< 1	< 2	< 10	13	< 10	2	5	0.61	0.53	0.045
1121012018	2.03	< 10	< 1	0.36	12	1.16	0.220	0.036	0.85	< 2	1	112	< 0.01	< 1	< 2	< 10	13	< 10	2	9	0.54	0.87	0.025
1121012016	2.11	< 10	< 1	0.35	13	1.11	0.280	0.036	0.77	< 2	1	115	< 0.01	< 1	< 2	< 10	14	< 10	2	8	0.32	0.78	0.016
1230021104	2.81	< 10	< 1	0.22	23	1.39	0.138	0.058	2.65	< 2	2	41	< 0.01	1	< 2	< 10	14	< 10	3	25	0.06	2.72	0.041
1230021150	3.03	< 10	< 1	0.29	22	1.32	0.180	0.056	2.78	< 2	1	65	< 0.01	2	< 2	< 10	14	29	3	23	0.08	2.83	0.050
1121006091	2.84	< 10	< 1	0.51	17	1.26	0.052	0.040	1.56	2	< 1	42	0.02	< 1	< 2	< 10	10	< 10	3	18	0.10	1.66	0.217
1121012114	2.28	< 10	< 1	0.24	14	0.92	0.183	0.042	0.28	< 2	2	99	0.03	4	< 2	< 10	22	< 10	3	7	0.48	0.31	0.034
1230021101	2.82	< 10	< 1	0.20	20	1.68	0.218	0.062	2.51	< 2	2	59	< 0.01	6	< 2	< 10	17	< 10	3	10	0.64	2.61	0.071
1230020001	2.37	< 10	< 1	0.27	15	0.82	0.102	0.046	0.80	3	1	107	0.03	< 1	< 2	< 10	13	< 10	2	5	0.24	0.82	0.023
1121006131	2.81	< 10	1	0.42	19	1.35	0.142	0.054	1.02	3	2	100	0.05	6	< 2	< 10	21	< 10	3	4	0.30	1.05	0.251
1121006030	1.66	< 10	< 1	0.55	15	1.15	0.038	0.039	1.06	< 2	< 1	43	< 0.01	2	< 2	< 10	8	< 10	2	10	0.70	1.08	0.743
1121008003	2.72	< 10	< 1	0.23	14	0.96	0.086	0.040	0.76	2	2	35	0.02	< 1	< 2	< 10	20	< 10	3	10	0.65	0.77	0.059
1121006063	1.96	< 10	< 1	0.53	15	1.33	0.054	0.037	1.14	< 2	1	69	0.04	< 1	< 2	< 10	12	< 10	2	20	0.22	1.17	0.379
v835547	3.24	< 10	< 1	0.26	17	0.49	0.193	0.048	0.04	< 2	3	51	0.29	5	< 2	< 10	59	< 10	19	11	0.39	0.04	0.784
1231012191	3.34	< 10	< 1	0.34	16	0.75	0.032	0.059	3.45	< 2	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	2	12	< 0.01	3.43	0.105
1231012330	3.30	< 10	< 1	0.35	14	1.23	0.033	0.045	2.14	< 2	1	15	0.02	4	< 2	< 10	13	< 10	2	11	0.04	2.20	0.331
1231012165	2.50	< 10	< 1	0.30	14	0.90	0.040	0.047	1.76	< 2	1	22	< 0.01	< 1	< 2	< 10	12	< 10	2	9	< 0.01	1.73	0.103
1231012222	4.13	< 10	< 1	0.25	14	1.34	0.044	0.045	4.00	< 2	< 1	27	< 0.01	< 1	< 2	< 10	9	< 10	2	14	< 0.01	4.09	0.622
1121013044	2.23	< 10	< 1	0.44	10	0.71	0.025	0.042	1.67	3	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	3	15	0.72	1.68	1.034
1121013707	1.77	< 10	< 1	0.48	< 10	0.94	0.031	0.037	1.10	< 2	< 1	33	< 0.01	1	< 2	< 10	7	< 10	2	11	0.67	1.07	0.612
1231012041	2.29	< 10	< 1	0.27	13	0.86	0.084	0.042	1.21	2	2	52	0.03	< 1	< 2	< 10	19	< 10	3	12	0.45	1.28	0.114
1231012106	2.20	< 10	< 1	0.37	13	0.95	0.063	0.043	0.92	< 2	2	33	0.03	< 1	< 2	< 10	19	< 10	3	8	0.26	0.92	0.169
1121013094	2.16	< 10	< 1	0.43	16	1.42	0.094	0.038	1.29	< 2	1	50	0.02	< 1	< 2	< 10	11	< 10	2	10	0.26	1.32	0.093

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1230020033	2.98	< 10	< 1	0.29	18	1.26	0.191	0.061	1.60	< 2	4	168	< 0.01	2	< 2	< 10	26	< 10	3	10	0.59	1.65	0.446
1230020026	2.57	< 10	< 1	0.26	23	1.15	0.198	0.059	2.42	3	1	92	< 0.01	7	2	< 10	11	> 200	2	18	0.41	2.38	0.125
1121013722	1.93	< 10	< 1	0.51	15	0.96	0.082	0.041	1.26	< 2	1	51	< 0.01	< 1	< 2	< 10	10	< 10	2	9	0.47	1.25	0.275
1230020008	2.55	< 10	< 1	0.20	17	0.91	0.173	0.049	2.49	6	< 1	92	< 0.01	2	< 2	< 10	10	< 10	2	15	0.11	2.48	0.216
1121013732	2.17	< 10	< 1	0.34	15	0.72	0.086	0.040	0.48	3	1	52	0.02	< 1	< 2	< 10	15	< 10	3	7	0.70	0.50	0.058
1230020016	2.22	< 10	< 1	0.20	15	1.12	0.156	0.044	2.18	2	1	51	< 0.01	< 1	< 2	< 10	9	< 10	3	14	0.62	2.11	0.152
1121005057	2.29	< 10	< 1	0.45	17	1.34	0.030	0.038	1.26	< 2	1	31	0.05	< 1	< 2	< 10	12	< 10	2	13	0.23	1.26	0.343
1121012005	2.75	< 10	< 1	0.40	< 10	0.77	0.062	0.051	2.75	< 2	1	30	< 0.01	< 1	< 2	< 10	9	< 10	2	14	0.57	2.78	0.498
1121005714	3.05	< 10	< 1	0.51	15	1.14	0.026	0.039	2.21	3	< 1	21	0.02	< 1	< 2	< 10	9	< 10	2	24	0.31	2.32	0.543
1121005029	1.79	< 10	< 1	0.45	16	1.01	0.156	0.040	1.12	2	< 1	68	0.01	< 1	< 2	< 10	10	< 10	2	7	0.13	1.17	0.136
v835548	4.01	< 10	< 1	0.32	12	0.76	0.206	0.069	0.07	< 2	6	33	0.41	4	< 2	< 10	117	< 10	18	12	0.03	0.08	0.926
1230021103	2.98	< 10	< 1	0.24	26	1.54	0.161	0.061	2.78	3	2	47	< 0.01	< 1	< 2	< 10	20	< 10	3	22	0.10	2.82	0.048
1121006126	2.07	< 10	< 1	0.48	15	1.07	0.035	0.035	1.43	< 2	< 1	39	< 0.01	< 1	< 2	< 10	8	< 10	3	9	0.68	1.48	1.200
1230021097	2.30	< 10	< 1	0.26	14	1.49	0.142	0.044	2.07	< 2	2	48	< 0.01	< 1	< 2	< 10	14	< 10	2	22	0.13	2.06	0.036
1121006139	2.68	< 10	< 1	0.41	19	1.27	0.147	0.053	1.14	2	1	77	0.03	1	< 2	< 10	18	< 10	3	5	0.32	1.21	0.252
1230021028	2.75	< 10	< 1	0.31	23	1.41	0.143	0.061	2.43	< 2	1	44	< 0.01	2	< 2	< 10	14	< 10	2	22	0.13	2.45	0.140
1230021149	3.06	< 10	< 1	0.29	23	1.28	0.195	0.056	2.87	< 2	2	65	0.01	< 1	< 2	< 10	15	< 10	3	29	0.17	2.92	0.070
1230021002	2.58	< 10	< 1	0.27	17	1.89	0.140	0.053	1.63	< 2	3	43	< 0.01	1	3	< 10	21	< 10	2	15	0.17	1.69	0.123
1121012138	2.97	< 10	< 1	0.41	23	1.15	0.129	0.057	1.63	< 2	1	39	< 0.01	2	< 2	< 10	13	< 10	3	11	0.32	1.68	0.627
1121012125	2.46	< 10	< 1	0.42	21	0.91	0.159	0.054	1.68	< 2	1	51	< 0.01	< 1	< 2	< 10	11	< 10	3	6	0.38	1.79	0.515
1230021048	2.97	< 10	< 1	0.22	19	1.57	0.144	0.062	2.61	4	3	56	< 0.01	< 1	< 2	< 10	19	14	3	18	0.56	2.70	0.111
1121012003	2.09	< 10	< 1	0.46	< 10	0.53	0.052	0.040	2.12	4	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	2	10	1.27	2.17	0.138
1121012015	2.05	< 10	< 1	0.33	12	1.24	0.230	0.035	0.88	< 2	1	101	< 0.01	< 1	< 2	< 10	13	< 10	2	7	0.57	0.89	0.029
1121006083	3.17	< 10	< 1	0.48	16	0.62	0.037	0.038	3.13	2	< 1	27	< 0.01	1	< 2	< 10	7	< 10	2	25	0.30	3.06	0.319
v835549	2.80	< 10	< 1	0.23	13	0.47	0.252	0.048	0.04	< 2	3	36	0.36	3	< 2	< 10	65	< 10	19	13	< 0.01	0.04	0.194
1121013021	2.10	< 10	< 1	0.32	15	0.69	0.111	0.041	0.49	2	1	78	0.01	< 1	< 2	< 10	13	< 10	3	8	0.71	0.47	0.073
1232008057	3.12	< 10	< 1	0.36	15	1.20	0.170	0.043	1.47	2	2	88	0.05	< 1	< 2	< 10	29	< 10	4	7	0.64	1.52	0.279
1121004144	3.36	< 10	< 1	1.13	15	0.90	0.040	0.036	2.74	4	1	31	0.03	< 1	< 2	< 10	14	< 10	2	28	0.13	2.73	> 5.000
1121004150	2.59	< 10	1	0.63	14	0.82	0.021	0.040	1.87	3	< 1	61	0.02	2	< 2	< 10	8	< 10	2	26	0.18	1.92	0.783
1121013009	2.20	< 10	< 1	0.55	15	1.13	0.061	0.038	1.61	3	< 1	41	< 0.01	< 1	< 2	< 10	10	< 10	2	20	0.35	1.66	0.515
1121013066	2.32	< 10	< 1	0.47	14	0.88	0.197	0.043	1.40	2	1	88	0.01	< 1	< 2	< 10	14	< 10	3	18	0.37	1.49	0.146
1121013069	2.29	< 10	< 1	0.44	16	0.90	0.184	0.046	1.43	2	1	82	< 0.01	< 1	< 2	< 10	12	< 10	3	19	0.31	1.48	0.326
1121013098	2.04	< 10	< 1	0.39	15	1.57	0.084	0.037	1.01	3	< 1	52	0.02	< 1	< 2	< 10	11	< 10	2	8	0.27	0.99	0.207
1121005048	1.81	< 10	< 1	0.39	15	1.11	0.093	0.039	1.02	< 2	< 1	61	< 0.01	< 1	< 2	< 10	9	< 10	2	9	0.17	1.09	0.092
1231012011	3.07	< 10	< 1	0.36	13	0.99	0.092	0.045	1.27	< 2	3	53	0.05	< 1	< 2	< 10	28	< 10	3	13	0.39	1.36	0.782
1231012149	3.77	< 10	< 1	0.36	14	0.73	0.037	0.043	3.85	< 2	1	34	< 0.01	4	< 2	< 10	8	< 10	2	17	< 0.01	3.84	0.143
1231012100	4.76	< 10	< 1	0.42	14	1.89	0.043	0.045	3.99	3	1	26	< 0.01	< 1	< 2	< 10	12	< 10	2	9	0.04	4.02	0.080
1231012264	4.20	< 10	< 1	0.30	16	1.42	0.040	0.053	3.38	2	1	20	< 0.01	< 1	< 2	< 10	12	< 10	2	13	0.09	3.51	0.420
1231012228	3.90	< 10	< 1	0.35	16	1.08	0.035	0.075	3.53	< 2	< 1	17	< 0.01	< 1	< 2	< 10	9	< 10	2	12	0.03	3.56	0.175
1231012356	4.37	< 10	< 1	0.36	16	1.16	0.034	0.047	3.77	< 2	< 1	15	< 0.01	< 1	< 2	< 10	9	< 10	2	12	0.01	3.91	0.921
v835550	3.39	< 10	< 1	0.24	11	0.61	0.281	0.060	0.06	< 2	5	41	0.44	7	< 2	< 10	95	< 10	18	13	< 0.01	0.05	0.128
1231013131	2.79	< 10	< 1	0.24	14	0.82	0.109	0.040	1.79	< 2	2	37	0.03	6	< 2	< 10	18	10	3	20	0.26	1.85	0.314
1121008115	2.10	< 10	< 1	0.33	13	0.95	0.130	0.040	0.28	< 2	2	71	0.04	< 1	< 2	< 10	17	< 10	3	6	0.74	0.30	0.070
1231013124	2.57	< 10	< 1	0.18	13	0.79	0.114	0.036	1.63	< 2	2	34	0.03	5	< 2	< 10	18	13	3	18	0.18	1.69	0.063
1231013795	3.08	< 10	< 1	0.35	12	0.93	0.188	0.037	1.91	2	2	107	0.06	< 1	< 2	< 10	20	< 10	2	14	0.34	2.06	0.243
1231013234	2.45	< 10	< 1	0.28	14	0.83	0.100	0.038	1.52	< 2	2	32	0.06	< 1	< 2	< 10	20	< 10	3	18	0.20	1.66	0.354
1121008156	3.61	< 10	< 1	0.53	26	1.60	0.201	0.073	0.19	2	5	204	0.06	7	< 2	< 10	59	< 10	6	5	1.01	0.20	0.021
1121008145	2.40	10	< 1	0.39	20	1.20	0.300	0.050	0.14	< 2	2	148	0.04	< 1	< 2	< 10	22	< 10	3	4	0.37	0.15	0.016
1231013180	2.66	< 10	< 1	0.26	14	0.89	0.130	0.040	1.68	2	2	39	< 0.01	6	< 2	< 10	16	< 10	3	19	0.35	1.71	0.058
1230022048	2.18	< 10	< 1	0.27	16	1.14	0.068	0.060	0.55	< 2	1	102	< 0.01	5	< 2	< 10	14	< 10	2	4	< 0.01	0.60	0.020
1121008150	2.45	< 10	< 1	0.45	15	0.89	0.294	0.044	0.36	< 2	2	183	0.07	< 1	< 2	< 10	25	< 10	3	10	0.53	0.39	0.168

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1231014223	2.98	< 10	< 1	0.30	13	0.83	0.160	0.038	1.76	< 2	1	50	< 0.01	< 1	< 2	< 10	14	< 10	2	17	0.10	1.86	0.615
1121008109	2.38	< 10	< 1	0.37	15	0.69	0.076	0.040	0.61	3	2	38	0.05	< 1	< 2	< 10	17	< 10	3	9	0.77	0.64	0.091
1231013291	2.66	< 10	< 1	0.43	14	0.93	0.109	0.040	1.85	< 2	2	33	0.07	< 1	< 2	< 10	22	< 10	3	18	0.10	1.93	0.118
1231014050	2.55	< 10	< 1	0.20	13	0.96	0.143	0.037	1.96	< 2	2	47	< 0.01	< 1	< 2	< 10	16	28	3	18	0.17	2.21	0.090
1230022022	1.96	< 10	< 1	0.31	17	1.20	0.039	0.060	0.29	< 2	1	89	0.01	3	< 2	< 10	16	< 10	2	3	0.08	0.34	0.015
1231013932	2.82	< 10	< 1	0.41	13	0.91	0.188	0.037	1.76	3	2	92	0.05	< 1	< 2	< 10	21	12	3	14	0.41	1.88	0.262
1231013971	2.44	< 10	< 1	0.41	11	0.80	0.077	0.037	1.63	< 2	2	35	0.08	1	< 2	< 10	21	< 10	2	13	0.15	1.81	0.065
1230022100	2.28	< 10	< 1	0.37	11	1.22	0.119	0.041	1.30	< 2	1	147	< 0.01	< 1	< 2	< 10	13	< 10	1	8	0.11	1.45	0.051
1230022257	2.53	< 10	< 1	0.41	15	1.32	0.067	0.053	0.85	< 2	2	83	< 0.01	< 1	< 2	< 10	17	< 10	2	4	0.17	0.91	0.019
1230022188	2.37	< 10	< 1	0.47	14	0.86	0.042	0.049	1.26	< 2	2	42	< 0.01	< 1	< 2	< 10	15	< 10	2	7	< 0.01	1.37	0.133
v835751	3.10	< 10	< 1	0.26	16	0.47	0.178	0.047	0.04	< 2	3	49	0.28	6	< 2	< 10	56	< 10	19	14	0.39	0.04	0.791
1231009237	2.45	< 10	< 1	0.21	13	0.87	0.136	0.037	1.60	< 2	2	51	0.04	1	< 2	< 10	18	< 10	3	15	0.17	1.60	0.125
1121001059	1.77	< 10	< 1	0.36	14	1.00	0.122	0.043	0.49	< 2	1	59	< 0.01	< 1	< 2	< 10	13	< 10	3	5	0.43	0.53	0.032
1121009150	2.07	< 10	< 1	0.34	13	1.11	0.087	0.039	1.25	< 2	< 1	49	< 0.01	< 1	< 2	< 10	8	< 10	2	7	0.68	1.28	0.307
1231009003	2.78	< 10	< 1	0.21	13	0.84	0.259	0.036	1.73	< 2	1	130	0.04	< 1	< 2	< 10	17	< 10	3	16	0.13	1.87	0.286
1231008354	3.33	< 10	< 1	0.23	13	0.89	0.139	0.039	2.37	< 2	2	57	< 0.01	4	< 2	< 10	14	< 10	3	18	0.13	2.54	0.814
1121001129	2.56	< 10	< 1	0.41	20	0.93	0.086	0.051	1.40	< 2	1	64	0.04	< 1	< 2	< 10	16	< 10	3	5	0.20	1.56	0.681
1121009091	2.85	< 10	< 1	0.48	< 10	0.83	0.041	0.050	2.51	< 2	< 1	25	< 0.01	< 1	< 2	< 10	9	< 10	2	17	0.62	2.67	2.029
1231009139	2.93	< 10	< 1	0.19	14	0.92	0.160	0.041	1.87	< 2	2	72	0.01	4	< 2	< 10	19	< 10	3	18	0.08	1.92	0.286
1231009004	2.71	< 10	< 1	0.22	13	0.85	0.259	0.038	1.57	< 2	1	131	0.03	< 1	< 2	< 10	16	< 10	3	16	0.16	1.63	0.770
1121001259	3.05	< 10	< 1	0.48	14	1.11	0.077	0.048	1.97	3	1	36	< 0.01	< 1	< 2	< 10	13	< 10	2	17	0.34	2.01	1.214
1121001080	2.03	< 10	< 1	0.35	17	1.10	0.141	0.047	0.83	< 2	2	77	0.01	< 1	< 2	< 10	16	< 10	3	7	0.40	0.86	0.100
1121001110	2.94	< 10	< 1	0.43	19	1.31	0.101	0.054	1.53	< 2	1	74	0.02	< 1	< 2	< 10	16	< 10	3	4	0.26	1.63	0.588
1231010028	2.68	< 10	< 1	0.23	24	1.68	0.125	0.059	2.36	2	2	44	< 0.01	6	< 2	< 10	18	< 10	3	12	0.15	2.41	0.148
1122021158	2.85	< 10	< 1	0.58	< 10	0.61	0.027	0.036	2.51	3	< 1	59	< 0.01	< 1	< 2	< 10	8	< 10	2	19	0.31	2.61	1.440
1122021141	2.78	< 10	< 1	0.57	16	0.60	0.026	0.041	2.20	4	< 1	23	0.01	< 1	< 2	< 10	8	< 10	2	21	0.17	2.32	0.795
1121009001	2.71	< 10	< 1	0.44	17	1.09	0.059	0.053	1.89	< 2	1	39	< 0.01	< 1	< 2	< 10	11	< 10	2	13	0.78	2.04	0.351
1122020152	2.12	< 10	< 1	0.63	< 10	0.95	0.024	0.043	1.87	4	< 1	49	< 0.01	< 1	< 2	< 10	7	< 10	2	14	1.11	1.94	0.491
1121009169	2.30	< 10	< 1	0.46	< 10	1.10	0.045	0.040	2.11	< 2	< 1	31	< 0.01	< 1	< 2	< 10	7	< 10	2	15	1.06	2.17	0.666
1122020197	1.86	< 10	< 1	0.59	10	1.01	0.031	0.037	1.31	< 2	< 1	33	< 0.01	< 1	< 2	< 10	8	< 10	2	11	0.86	1.34	1.058
1121001125	2.46	< 10	< 1	0.35	20	1.09	0.099	0.056	1.28	< 2	1	66	< 0.01	5	< 2	< 10	14	< 10	3	3	0.29	1.42	0.384
1121002072	1.78	< 10	< 1	0.31	11	1.18	0.088	0.034	0.91	< 2	< 1	55	< 0.01	< 1	< 2	< 10	8	< 10	2	5	0.83	0.91	0.080
1121002030	2.59	< 10	< 1	0.39	20	1.52	0.109	0.052	0.89	3	1	56	0.01	< 1	< 2	< 10	15	< 10	2	3	0.51	0.90	0.160
1121001034	2.05	< 10	< 1	0.38	13	1.54	0.131	0.034	0.86	< 2	1	75	0.04	< 1	< 2	< 10	13	< 10	2	6	0.31	0.87	0.096
1121002037	1.72	< 10	< 1	0.33	11	0.75	0.106	0.038	0.93	< 2	< 1	45	< 0.01	2	< 2	< 10	8	< 10	2	8	0.58	0.93	0.288
1121002063	1.69	< 10	< 1	0.29	12	1.07	0.181	0.035	0.66	< 2	< 1	103	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.58	0.71	0.059
1121001042	2.27	< 10	< 1	0.28	14	0.99	0.178	0.040	0.47	< 2	2	112	0.05	< 1	< 2	< 10	23	< 10	3	6	0.55	0.51	0.021
1121001062	2.07	< 10	< 1	0.33	15	0.95	0.164	0.041	0.63	< 2	2	78	< 0.01	< 1	3	< 10	16	55	3	10	0.46	0.68	0.113
v835540	3.92	< 10	< 1	0.31	11	0.73	0.198	0.070	0.07	< 2	6	32	0.40	9	< 2	< 10	113	< 10	18	11	0.04	0.07	0.986
1122019002	2.38	< 10	< 1	0.47	15	0.73	0.027	0.041	1.93	< 2	< 1	27	< 0.01	< 1	< 2	< 10	8	< 10	2	18	0.28	1.92	0.651
1122019136	3.11	< 10	< 1	0.69	11	0.41	0.025	0.049	2.64	3	< 1	19	0.02	< 1	< 2	< 10	9	< 10	2	23	0.02	2.78	0.894
1231010104	3.05	< 10	< 1	0.30	21	1.86	0.102	0.060	2.75	4	2	30	< 0.01	3	< 2	< 10	18	< 10	2	22	0.10	2.81	0.057
1121001208	2.89	< 10	< 1	0.43	21	1.07	0.150	0.057	1.42	< 2	1	68	0.04	< 1	< 2	< 10	17	< 10	3	4	0.13	1.46	0.744
1231010001	2.07	< 10	< 1	0.24	13	1.23	0.137	0.046	1.64	< 2	1	39	< 0.01	< 1	< 2	< 10	12	< 10	2	13	0.06	1.77	0.114
1231010064	2.48	< 10	< 1	0.20	14	0.84	0.144	0.042	2.21	< 2	1	54	< 0.01	2	< 2	< 10	13	< 10	3	19	0.22	2.36	0.151
1231010114	2.37	< 10	< 1	0.27	15	0.91	0.140	0.044	2.22	< 2	2	51	< 0.01	2	< 2	< 10	13	< 10	3	23	0.16	2.26	0.052
1121009010	2.15	< 10	< 1	0.49	< 10	1.23	0.041	0.041	1.37	< 2	< 1	34	< 0.01	< 1	< 2	< 10	8	< 10	2	12	1.05	1.43	0.842
1121009160	2.22	< 10	< 1	0.35	< 10	1.25	0.058	0.039	1.80	2	< 1	34	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.91	1.88	0.103
1231009265	2.64	< 10	< 1	0.21	14	0.90	0.126	0.041	1.82	< 2	2	45	0.04	2	< 2	< 10	17	< 10	3	18	0.10	1.91	0.251
1121009009	2.21	< 10	< 1	0.44	< 10	1.24	0.036	0.041	1.58	< 2	< 1	31	< 0.01	< 1	< 2	< 10	7	< 10	1	12	1.26	1.61	0.910
1231010047	2.57	< 10	< 1	0.19	14	0.92	0.164	0.038	2.07	< 2	2	63	< 0.01	2	< 2	< 10	14	< 10	3	19	0.23	2.16	0.119

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1121009052	2.44	< 10	1	0.49	< 10	1.11	0.040	0.041	2.06	2	< 1	30	< 0.01	1	< 2	< 10	8	< 10	2	15	1.00	2.14	0.885
1121009156	2.58	< 10	< 1	0.46	< 10	0.92	0.047	0.046	2.56	3	1	25	< 0.01	< 1	< 2	< 10	8	< 10	2	16	0.82	2.63	0.685
1231010130	2.71	< 10	< 1	0.19	13	1.12	0.101	0.038	1.77	< 2	1	32	< 0.01	5	< 2	< 10	15	< 10	2	18	0.16	1.84	0.079
1121009008	2.38	< 10	< 1	0.46	< 10	1.05	0.041	0.042	1.83	< 2	< 1	28	< 0.01	3	< 2	< 10	7	< 10	2	13	1.07	1.85	0.990
1121009007	2.28	< 10	< 1	0.46	< 10	0.99	0.035	0.040	1.81	3	< 1	25	< 0.01	1	< 2	< 10	7	< 10	2	13	1.06	1.82	1.038
1231009038	2.71	< 10	< 1	0.21	13	0.79	0.254	0.038	1.80	< 2	1	120	0.03	< 1	< 2	< 10	16	< 10	3	17	0.06	1.88	0.421
1231010085	2.36	< 10	< 1	0.18	13	0.91	0.142	0.040	1.62	< 2	1	49	< 0.01	< 1	< 2	< 10	13	< 10	2	17	0.45	1.76	0.330
v835541	1.47	< 10	< 1	0.08	< 10	0.13	0.152	0.030	0.02	< 2	1	22	0.26	< 1	< 2	< 10	35	< 10	9	14	0.04	0.02	1.129
1122019108	1.77	< 10	< 1	0.52	13	1.37	0.027	0.037	1.12	< 2	< 1	37	< 0.01	< 1	< 2	< 10	9	< 10	2	11	0.68	1.11	0.856
1122019118	2.50	< 10	< 1	0.65	15	0.49	0.027	0.038	2.43	2	< 1	29	0.01	1	< 2	< 10	8	< 10	2	23	0.28	2.58	0.529
1122019211	2.28	< 10	2	0.55	15	1.24	0.039	0.035	1.87	< 2	< 1	35	< 0.01	< 1	< 2	< 10	9	< 10	2	18	0.54	1.92	0.458
1122021026	1.84	< 10	< 1	0.65	< 10	0.50	0.022	0.038	1.68	< 2	< 1	207	< 0.01	< 1	< 2	< 10	6	< 10	2	16	0.57	1.71	0.309
1122019065	2.19	< 10	< 1	0.63	16	0.96	0.027	0.038	1.42	< 2	< 1	30	0.02	< 1	< 2	< 10	9	< 10	2	16	0.30	1.48	1.815
1122010946	2.18	< 10	< 1	0.54	16	1.06	0.026	0.035	1.32	< 2	< 1	27	0.04	< 1	< 2	< 10	9	< 10	2	15	0.25	1.40	0.300
1122019240	2.46	< 10	< 1	0.73	< 10	0.31	0.021	0.037	2.35	< 2	< 1	86	0.01	< 1	< 2	< 10	7	< 10	2	19	0.15	2.34	1.886
1122021023	1.77	< 10	< 1	0.63	< 10	0.54	0.022	0.034	1.36	< 2	< 1	139	< 0.01	< 1	< 2	< 10	7	< 10	2	16	0.48	1.45	0.917
1122019250	2.67	< 10	< 1	0.63	< 10	0.34	0.021	0.034	2.87	< 2	< 1	46	0.01	1	< 2	< 10	7	< 10	2	20	0.17	2.89	2.986
1122019081	2.42	< 10	< 1	0.88	17	0.86	0.028	0.049	1.74	2	2	52	0.03	2	< 2	< 10	17	< 10	3	19	0.36	1.84	0.610
1122019085	2.48	< 10	1	0.82	14	1.42	0.026	0.036	1.40	< 2	< 1	44	0.04	5	< 2	< 10	10	< 10	2	19	0.31	1.47	0.723
1122021118	2.02	< 10	< 1	0.65	< 10	0.51	0.023	0.034	1.79	< 2	< 1	167	< 0.01	2	< 2	< 10	7	< 10	2	18	0.35	1.78	0.731
1122021005	2.80	< 10	< 1	0.48	13	0.39	0.029	0.036	2.85	3	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	2	19	0.36	2.94	0.815
1122021045	2.05	< 10	< 1	0.60	14	0.35	0.025	0.040	2.01	< 2	< 1	21	< 0.01	< 1	< 2	< 10	7	< 10	2	17	0.26	2.11	0.255
1122020023	1.92	< 10	< 1	0.42	15	1.27	0.159	0.033	1.13	< 2	< 1	53	< 0.01	< 1	< 2	< 10	11	< 10	2	8	0.33	1.16	0.376
1122021012	2.10	< 10	< 1	0.59	16	0.24	0.024	0.043	2.03	< 2	< 1	19	< 0.01	< 1	< 2	< 10	7	< 10	2	17	0.09	2.14	0.206
1122021127	1.46	< 10	< 1	0.58	< 10	0.95	0.020	0.038	0.91	< 2	< 1	94	< 0.01	< 1	< 2	< 10	6	< 10	2	9	1.15	0.96	0.263
1122019004	3.52	< 10	< 1	1.29	31	1.90	0.028	0.177	1.75	4	6	331	0.13	< 1	< 2	< 10	41	< 10	15	8	0.69	1.86	3.848
1231010040	2.42	< 10	< 1	0.25	13	1.52	0.099	0.052	2.22	< 2	1	30	< 0.01	1	< 2	< 10	11	< 10	2	10	0.02	2.27	0.089
v835542	3.43	< 10	< 1	0.23	10	0.56	0.263	0.058	0.05	< 2	4	36	0.42	7	< 2	< 10	90	< 10	18	12	< 0.01	0.06	1.674
1232008021	2.48	< 10	< 1	0.24	13	0.77	0.130	0.036	0.87	4	1	62	0.01	< 1	< 2	< 10	15	< 10	2	9	0.51	0.96	0.047
1231011354	3.17	< 10	< 1	0.33	15	1.28	0.038	0.048	2.12	< 2	1	33	< 0.01	< 1	< 2	< 10	11	< 10	2	11	< 0.01	2.01	0.977
1232008116	3.32	< 10	< 1	0.19	16	1.09	0.140	0.046	1.87	3	2	49	0.03	2	< 2	< 10	28	< 10	3	13	0.27	1.93	0.103
2136005038	2.53	< 10	2	0.83	41	0.92	0.142	0.083	0.10	6	4	71	0.14	< 1	5	< 10	42	< 10	8	7	0.40	0.11	< 0.005
1232008167	2.74	< 10	< 1	0.21	< 10	0.87	0.125	0.041	0.95	3	4	47	0.09	< 1	< 2	< 10	38	< 10	4	12	0.39	1.02	0.045
1231011156	3.42	< 10	< 1	0.32	13	1.10	0.042	0.054	2.25	< 2	1	53	< 0.01	< 1	< 2	< 10	12	< 10	2	18	0.06	2.33	0.121
1121003155	2.23	< 10	< 1	0.45	< 10	0.94	0.032	0.036	1.94	3	< 1	31	< 0.01	3	< 2	< 10	8	< 10	2	13	0.83	1.98	0.588
1121003123	2.27	< 10	< 1	0.44	< 10	0.91	0.031	0.041	1.89	3	< 1	30	< 0.01	< 1	< 2	< 10	6	< 10	2	9	1.30	2.03	0.833
1232008018	2.43	< 10	< 1	0.19	13	0.77	0.103	0.039	0.71	5	2	44	0.06	< 1	< 2	< 10	19	< 10	3	18	0.28	0.77	0.311
1232008125	3.59	< 10	< 1	0.22	24	1.14	0.136	0.064	2.02	< 2	2	60	< 0.01	< 1	< 2	< 10	22	< 10	4	5	0.43	2.17	0.150
1121003156	2.41	< 10	< 1	0.43	< 10	0.96	0.032	0.038	2.28	5	< 1	25	< 0.01	< 1	< 2	< 10	6	< 10	2	15	1.05	2.30	3.440
2136007032	2.24	< 10	< 1	0.62	18	1.06	0.147	0.041	0.04	< 2	3	74	0.12	5	< 2	< 10	33	< 10	5	18	0.34	0.05	0.006
1232008129	2.99	< 10	< 1	0.28	16	0.92	0.127	0.056	1.39	5	3	57	0.05	< 1	< 2	< 10	29	< 10	4	16	0.46	1.56	0.130
2136007028	2.07	< 10	< 1	0.76	20	0.82	0.149	0.042	0.09	< 2	3	58	0.12	3	< 2	< 10	32	< 10	5	17	0.31	0.10	0.019
v835543	3.13	< 10	< 1	0.23	10	0.57	0.268	0.058	0.05	< 2	4	38	0.42	8	< 2	< 10	91	< 10	17	17	< 0.01	0.07	0.126
1121004072	2.47	< 10	< 1	0.73	< 10	0.85	0.019	0.036	1.68	< 2	< 1	61	0.02	< 1	< 2	< 10	10	< 10	2	20	0.28	1.79	1.609
1231011398	3.07	< 10	< 1	0.31	12	1.16	0.045	0.011	2.57	< 2	1	33	< 0.01	< 1	< 2	< 10	11	< 10	2	15	< 0.01	2.77	0.133
1121004019	2.62	< 10	< 1	0.65	< 10	0.45	0.019	0.035	2.16	2	< 1	66	0.01	< 1	< 2	< 10	8	< 10	2	21	0.21	2.30	0.642
1121013006	1.85	< 10	< 1	0.66	14	1.44	0.038	0.035	1.08	2	1	47	0.02	< 1	< 2	< 10	12	< 10	2	11	0.32	1.14	0.940
1232008134	2.88	< 10	< 1	0.26	12	0.93	0.134	0.042	1.13	< 2	4	44	0.10	< 1	< 2	< 10	41	< 10	4	15	0.23	1.29	0.097
1232008112	2.64	< 10	< 1	0.25	15	0.86	0.130	0.052	1.09	< 2	3	67	0.06	1	< 2	< 10	27	< 10	4	17	0.21	1.19	0.141
1121004021	2.80	< 10	< 1	1.28	< 10	0.46	0.024	0.039	2.44	4	1	131	0.03	< 1	< 2	< 10	12	< 10	1	19	0.13	2.60	3.487
1121004007	2.99	< 10	< 1	0.48	15	0.60	0.032	0.040	1.97	< 2	1	18	0.03	1	< 2	< 10	9	< 10	2	31	0.02	2.05	0.948

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
2136007016	2.02	< 10	< 1	0.70	18	0.89	0.141	0.039	0.18	< 2	3	53	0.10	< 1	< 2	< 10	31	< 10	5	18	0.27	0.20	0.007
1121004051	2.46	< 10	< 1	0.55	16	0.97	0.031	0.041	1.54	3	1	27	< 0.01	< 1	< 2	< 10	10	< 10	3	15	0.21	1.73	0.286
1121004062	3.18	< 10	< 1	0.71	13	0.66	0.024	0.035	2.37	3	1	18	0.02	1	< 2	< 10	10	< 10	2	24	0.08	2.57	0.789
2136007034	2.16	< 10	< 1	0.52	18	0.87	0.089	0.042	0.16	< 2	3	41	0.11	< 1	< 2	< 10	29	< 10	5	20	0.38	0.17	< 0.005
1232008114	2.46	< 10	< 1	0.30	13	1.01	0.184	0.041	1.00	2	2	81	0.04	1	< 2	< 10	23	< 10	3	13	0.20	1.09	0.054
2136007098	2.33	10	< 1	0.68	18	0.84	0.325	0.041	0.11	< 2	3	132	0.11	5	3	< 10	32	< 10	4	19	0.22	0.12	0.096
1231011331	3.58	< 10	< 1	0.32	11	1.24	0.042	0.037	1.99	< 2	1	35	< 0.01	< 1	< 2	< 10	11	< 10	2	17	0.01	2.16	1.477
1121004085	2.94	< 10	< 1	0.63	14	0.94	0.027	0.038	1.78	2	1	33	0.04	< 1	< 2	< 10	11	< 10	2	24	0.20	1.95	1.782
2136007110	2.04	< 10	< 1	0.77	20	0.59	0.138	0.041	0.10	< 2	3	55	0.10	1	< 2	< 10	27	44	5	11	0.47	0.11	< 0.005
1121004105	2.82	< 10	< 1	0.73	15	0.76	0.027	0.037	2.32	< 2	1	21	0.02	< 1	< 2	< 10	10	< 10	2	28	0.09	2.42	1.743
v835544	3.48	< 10	< 1	0.23	< 10	0.57	0.274	0.057	0.05	< 2	4	39	0.42	12	< 2	< 10	91	< 10	17	13	< 0.01	0.07	1.650
1121001170	2.76	< 10	4	0.31	20	1.17	0.173	0.055	0.86	< 2	2	92	0.05	< 1	< 2	< 10	21	< 10	3	11	0.11	0.92	0.376
1122020021	1.95	< 10	< 1	0.36	14	1.24	0.211	0.037	0.70	2	1	86	0.01	< 1	< 2	< 10	13	< 10	2	12	0.18	0.78	0.055
1121001070	2.42	< 10	< 1	0.42	19	1.11	0.097	0.051	1.19	2	1	76	0.04	< 1	< 2	< 10	15	< 10	3	14	0.35	1.37	0.582
1121003151	2.11	< 10	< 1	0.41	< 10	0.68	0.030	0.038	1.92	< 2	< 1	28	< 0.01	< 1	< 2	< 10	5	< 10	2	11	1.15	2.19	0.888
1121003044	2.95	< 10	< 1	0.50	< 10	0.67	0.032	0.038	2.56	2	< 1	18	< 0.01	< 1	< 2	< 10	8	< 10	2	18	0.56	2.76	1.036
1121003045	2.46	< 10	< 1	0.44	10	0.77	0.030	0.036	1.98	< 2	< 1	23	< 0.01	1	< 2	< 10	7	< 10	2	17	0.68	2.14	0.185
2136004002	2.42	< 10	< 1	0.70	18	0.87	0.139	0.041	0.09	< 2	3	65	0.11	< 1	< 2	< 10	32	< 10	5	16	0.23	0.10	0.009
1221001028	2.09	< 10	< 1	0.40	12	1.44	0.128	0.035	0.99	2	1	84	0.03	< 1	< 2	< 10	13	< 10	2	13	0.22	1.10	0.534
1121003028	3.59	< 10	< 1	0.49	14	0.47	0.031	0.041	3.36	4	< 1	13	< 0.01	1	< 2	< 10	9	< 10	2	20	0.08	3.49	1.040
1121003085	2.28	< 10	< 1	0.44	< 10	1.20	0.031	0.038	1.97	< 2	< 1	28	< 0.01	< 1	< 2	< 10	6	< 10	2	14	1.36	2.13	0.779
1121003015	3.77	< 10	< 1	0.46	13	0.48	0.026	0.038	3.30	4	< 1	8	< 0.01	1	< 2	< 10	8	< 10	2	21	< 0.01	3.45	2.454
1121001198	2.42	< 10	< 1	0.45	18	1.05	0.137	0.048	1.07	< 2	1	75	0.05	< 1	< 2	< 10	19	< 10	3	17	0.17	1.14	0.355
1121001001	2.45	< 10	< 1	0.30	17	1.09	0.133	0.064	0.57	< 2	3	91	0.01	< 1	< 2	< 10	24	< 10	4	3	0.68	0.62	0.048
1121001007	1.73	< 10	< 1	0.40	11	1.29	0.065	0.035	0.89	< 2	< 1	39	< 0.01	< 1	< 2	< 10	9	< 10	1	8	0.61	0.96	0.089
1121003069	3.45	< 10	< 1	0.44	< 10	0.63	0.033	0.039	3.49	3	< 1	19	< 0.01	< 1	< 2	< 10	7	< 10	2	20	0.73	3.72	3.539
1121003002	2.29	< 10	2	0.56	16	1.30	0.033	0.042	1.40	3	1	41	0.02	< 1	< 2	< 10	11	< 10	3	8	0.42	1.49	> 5.000
1121001021	2.32	< 10	1	0.23	15	1.00	0.250	0.039	0.47	< 2	2	130	0.02	< 1	< 2	< 10	21	< 10	3	6	0.39	0.50	0.036
1121003090	3.03	< 10	< 1	0.48	13	1.05	0.025	0.042	1.67	3	1	24	0.01	< 1	< 2	< 10	10	< 10	2	17	0.53	1.80	> 5.000
1121003001	2.38	< 10	< 1	0.53	15	1.15	0.029	0.037	1.74	3	< 1	33	< 0.01	< 1	< 2	< 10	9	< 10	2	26	0.44	1.90	2.122
1232008042	3.29	< 10	< 1	0.30	13	1.07	0.220	0.040	2.00	< 2	1	106	0.02	1	< 2	< 10	17	< 10	2	13	0.18	2.09	1.297
1121003082	2.46	< 10	< 1	0.34	< 10	0.78	0.029	0.040	2.19	4	< 1	22	< 0.01	< 1	< 2	< 10	5	< 10	2	12	0.83	2.22	0.412
1121003031	3.21	< 10	< 1	0.48	14	1.18	0.027	0.038	2.12	3	1	18	< 0.01	< 1	< 2	< 10	10	< 10	2	25	0.06	2.28	1.062
v835545	4.00	< 10	< 1	0.32	11	0.75	0.203	0.070	0.07	< 2	6	33	0.40	4	< 2	< 10	113	< 10	18	14	0.02	0.08	1.067

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1121006010	
1121006053	
1121008017	
1121012160	
1121006027	
1121012101	
1121008130	
1231014185	
1231014190	
1231013051	
1231013710	
1121008136	
1231014218	
1231014226	
1121008174	
1231013625	
1231014224	
1121008120	
1231013129	
1121008126	
v835546	
1121012191	
1230020240	
1230020183	
1230020107	
1230020163	
1121006160	
1121005041	
1121012182	
1121012018	
1121012016	
1230021104	
1230021150	
1121006091	
1121012114	
1230021101	
1230020001	
1121006131	
1121006030	
1121008003	
1121006063	
v835547	
1231012191	
1231012330	
1231012165	
1231012222	
1121013044	
1121013707	
1231012041	
1231012106	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1121013094	
1230020033	
1230020026	
1121013722	
1230020008	
1121013732	
1230020016	
1121005057	
1121012005	
1121005714	
1121005029	
v835548	
1230021103	
1121006126	
1230021097	
1121006139	
1230021028	
1230021149	
1230021002	
1121012138	
1121012125	
1230021048	
1121012003	
1121012015	
1121006083	
v835549	
1121013021	
1232008057	
1121004144	5.62
1121004150	
1121013009	
1121013066	
1121013069	
1121013098	
1121005048	
1231012011	
1231012149	
1231012100	
1231012264	
1231012228	
1231012356	
v835550	
1231013131	
1121008115	
1231013124	
1231013795	
1231013234	
1121008156	
1121008145	
1231013180	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230022048	
1121008150	
1231014223	
1121008109	
1231013291	
1231014050	
1230022022	
1231013932	
1231013971	
1230022100	
1230022257	
1230022188	
v835751	
1231009237	
1121001059	
1121009150	
1231009003	
1231008354	
1121001129	
1121009091	
1231009139	
1231009004	
1121001259	
1121001080	
1121001110	
1231010028	
1122021158	
1122021141	
1121009001	
1122020152	
1121009169	
1122020197	
1121001125	
1121002072	
1121002030	
1121001034	
1121002037	
1121002063	
1121001042	
1121001062	
v835540	
1122019002	
1122019136	
1231010104	
1121001208	
1231010001	
1231010064	
1231010114	
1121009010	
1121009160	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1231009265	
1121009009	
1231010047	
1121009052	
1121009156	
1231010130	
1121009008	
1121009007	
1231009038	
1231010085	
v835541	
1122019108	
1122019118	
1122019211	
1122021026	
1122019065	
1122010946	
1122019240	
1122021023	
1122019250	
1122019081	
1122019085	
1122021118	
1122021005	
1122021045	
1122020023	
1122021012	
1122021127	
1122019004	
1231010040	
v835542	
1232008021	
1231011354	
1232008116	
2136005038	
1232008167	
1231011156	
1121003155	
1121003123	
1232008018	
1232008125	
1121003156	
2136007032	
1232008129	
2136007028	
v835543	
1121004072	
1231011398	
1121004019	
1121013006	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1232008134	
1232008112	
1121004021	
1121004007	
2136007016	
1121004051	
1121004062	
2136007034	
1232008114	
2136007098	
1231011331	
1121004085	
2136007110	
1121004105	
v835544	
1121001170	
1122020021	
1121001070	
1121003151	
1121003044	
1121003045	
2136004002	
1221001028	
1121003028	
1121003085	
1121003015	
1121001198	
1121001001	
1121001007	
1121003069	
1121003002	10.9
1121001021	
1121003090	4.90
1121003001	
1232008042	
1121003082	
1121003031	
v835545	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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	75	1080	1	24	93	123	7.35	233	< 10	626	0.8	< 2	0.11	9	82
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
GXR-6 Meas							0.3	< 0.5	76	1070	1	25	92	122	7.17	223	< 10	619	0.8	< 2	0.11	9	81
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
GXR-6 Meas							0.2	< 0.5	69	974	1	22	87	121	6.90	222	< 10	587	0.8	< 2	0.11	10	79
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
GXR-6 Meas							0.3	< 0.5	71	1000	1	31	92	124	7.32	234	< 10	605	0.9	< 2	0.12	11	83
GXR-6 Cert							1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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SGR-1b Meas																							
SGR-1b Cert																							
SGR-1b Meas																							
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SGR-1b Meas																							
SGR-1b Cert																							
SGR-1b Meas																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SGR-1b Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS900-5 Meas																							
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GS900-5 Meas																							
GS900-5 Cert																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS900-5 Meas																							
GS900-5 Cert																							
GS900-5 Meas																							
GS900-5 Cert																							
GS900-5 Meas																							
GS900-5 Cert																							
NBM-1 (slight fzz) Meas		42.4				8.48																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		43.1				8.38																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.4				6.38																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		44.2				8.65																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.5				8.56																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2320	787	< 1	36	67	255	3.13	6		82	0.8	7	0.41	16	47
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2290	790	< 1	34	59	254	2.90	10		67	0.7	8	0.39	16	45
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2240	777	< 1	34	61	253	2.91	3		71	0.7	8	0.39	16	45
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.8	< 0.5	2120	701	< 1	35	52	251	2.89	6		69	0.8	7	0.40	17	46
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7
OREAS 922 (AQUA REGIA) Meas							0.7	< 0.5	2250	723	< 1	36	61	266	3.00	4		70	0.8	6	0.42	17	47
OREAS 922 (AQUA REGIA) Cert							0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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							1.6	0.9	4460	878	< 1	33	74	336	3.07	6		66	0.7	18	0.42	18	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.5	< 0.5	4650	922	< 1	33	83	338	3.04	3		56	0.7	23	0.41	19	43
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.5	< 0.5	4250	805	< 1	34	75	331	2.92	7		54	0.7	21	0.41	19	44
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
OREAS 923 (AQUA REGIA) Meas							1.4	< 0.5	4380	818	< 1	35	77	336	3.01	5		50	0.7	22	0.41	19	42
OREAS 923 (AQUA REGIA) Cert							1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4
Oreas 96 (Aqua Regia) Meas							10.9		> 10000				80	412						17		42	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							11.1		> 10000				83	416						33		41	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.7		> 10000				82	417						25		41	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.2		> 10000				83	410						16		41	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
Oreas 96 (Aqua Regia) Meas							10.6		> 10000				81	421						18		42	
Oreas 96 (Aqua Regia) Cert							11.50		39100.00				100	448						27.9		49.2	
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas							65.6	274	3630	553	14	26	> 5000	> 10000	1.90	76			0.6	4	1.37	28	31
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							62.6	278	3640	556	12	28	> 5000	> 10000	1.87	72			0.6	3	1.69	28	34
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							62.0	252	3350	514	13	24	> 5000	> 10000	1.68	73			0.6	< 2	1.54	27	31
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
Oreas 621 (Aqua Regia) Meas							65.2	256	3560	522	11	26	> 5000	> 10000	1.80	78			0.6	5	1.72	29	30
Oreas 621 (Aqua Regia) Cert							68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3
OREAS 257 Meas																							
OREAS 257 Cert																							
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									347	154	1	242	5	26	7.47			116	1.0	< 2	0.06	30	341
OREAS 45f (Aqua Regia) Cert									336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341
OREAS 45f (Aqua Regia) Meas									355	157	< 1	244	6	27	7.60			120	1.0	< 2	0.06	32	348
OREAS 45f (Aqua Regia) Cert									336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341
OREAS 238 (Fire Assay) Meas																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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																							
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																							
1231013051 Orig																							
1231013051 Dup																							
1231014218 Orig							< 0.2	0.7	45	588	< 1	11	< 2	293	2.01	7	< 10	37	< 0.5	< 2	1.41	8	209
1231014218 Dup							< 0.2	0.7	42	607	< 1	14	< 2	302	2.07	6	< 10	37	< 0.5	< 2	1.45	8	223
1121008126 Orig																							
1121008126 Dup																							
1121006160 Orig							0.7	0.5	26	918	1	15	36	167	3.33	45	< 10	45	< 0.5	< 2	2.69	9	140
1121006160 Dup							0.7	< 0.5	26	924	< 1	13	33	167	3.30	45	< 10	45	< 0.5	< 2	2.72	9	145
1121012018 Orig																							
1121012018 Dup																							
1121012016 Orig																							
1121012016 Dup																							
1121008003 Orig							0.3	< 0.5	27	446	< 1	26	3	59	1.61	8	< 10	54	< 0.5	< 2	1.77	8	407
1121008003 Dup							0.3	< 0.5	26	432	< 1	29	3	59	1.56	6	< 10	55	< 0.5	< 2	1.72	8	391
1121006063 Orig																							
1121006063 Dup																							
1231012165 Orig																							
1231012165 Dup																							
1121013707 Orig	25.1	52.7	27.7	32.8	1.61	8.89																	
1121013707 Dup	25.1	58.6	33.5	32.8	1.79	8.89																	
1230020033 Orig																							
1230020033 Dup																							
1121013722 Orig							1.2	< 0.5	34	820	2	12	51	134	2.22	71	< 10	36	< 0.5	< 2	1.96	6	117
1121013722 Dup							1.0	< 0.5	32	800	1	11	48	136	2.17	68	< 10	43	< 0.5	< 2	1.92	6	113
1230020008 Orig																							
1230020008 Dup																							
v835548 Orig																							
v835548 Dup																							
1230021097 Orig																							
1230021097 Dup																							
1121012003 Orig																							
1121012003 Dup																							
1121013021 Orig							0.5	1.0	19	689	< 1	16	2	299	1.63	9	< 10	85	< 0.5	< 2	2.67	7	217

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1121013021 Dup							0.5	0.8	20	693	< 1	16	3	290	1.61	11	< 10	84	< 0.5	< 2	2.67	7	210
1121004144 Orig																							
1121004150 Orig																							
1121013069 Orig																							
1121013069 Dup																							
1231012228 Orig																							
1231012228 Dup																							
1231012356 Orig							0.6	< 0.5	146	424	< 1	10	< 2	62	1.86	21	< 10	< 10	< 0.5	9	0.15	6	113
1231012356 Dup							0.7	< 0.5	143	423	< 1	12	4	61	1.89	18	< 10	< 10	< 0.5	10	0.15	6	114
1121008115 Orig																							
1121008115 Dup																							
1231013234 Orig	45.5	20.6	-24.9	50.8	0.405	8.77																	
1231013234 Dup	45.5	20.4	-25.1	50.8	0.401	8.77																	
1231013180 Orig																							
1231013180 Dup																							
1121008109 Orig							0.4	< 0.5	34	687	< 1	27	3	93	1.38	10	< 10	55	< 0.5	< 2	1.91	9	591
1121008109 Dup							0.4	< 0.5	32	699	< 1	23	3	93	1.32	9	< 10	57	< 0.5	< 2	1.85	9	569
1121001059 Orig																							
1121001059 Dup																							
1231008354 Orig							2.0	< 0.5	227	420	3	16	4	53	1.89	9	< 10	14	< 0.5	< 2	0.85	8	271
1231008354 Dup							0.6	< 0.5	227	421	3	14	< 2	55	1.94	9	< 10	16	< 0.5	3	0.86	9	264
1121001110 Orig																							
1121001110 Dup																							
1121002072 Orig							0.2	< 0.5	20	585	< 1	9	11	145	1.96	36	< 10	50	< 0.5	< 2	2.62	6	39
1121002072 Dup							0.3	< 0.5	21	595	< 1	9	11	150	1.95	31	< 10	46	< 0.5	< 2	2.66	6	41
1121002030 Orig																							
1121002030 Dup																							
1121001034 Orig																							
1121001034 Dup																							
1121001208 Orig	40.9	14.1	-26.8	44.7	0.316	8.54																	
1121001208 Dup	40.9	14.1	-26.8	44.7	0.316	8.54																	
1231010001 Orig																							
1231010001 Dup																							
1231010114 Orig							0.4	1.9	90	359	2	12	3	607	1.71	10	< 10	15	< 0.5	2	0.95	7	180
1231010114 Dup							0.5	2.1	94	369	2	13	2	633	1.76	6	< 10	16	< 0.5	< 2	0.97	7	200
1121009160 Orig																							
1121009160 Dup																							
1121009008 Orig																							
1121009008 Dup																							
1231010085 Orig																							
1231010085 Dup																							
v835541 Orig							4.0	< 0.5	22	135	7	6	< 2	26	0.67	< 2	< 10	19	< 0.5	< 2	0.61	5	9
v835541 Dup							3.8	< 0.5	21	130	7	5	< 2	24	0.60	< 2	< 10	22	< 0.5	< 2	0.58	4	9
1122010946 Orig																							
1122010946 Dup																							
1122019250 Orig																							
1122021045 Orig							1.5	4.0	56	586	< 1	8	255	1090	1.30	168	< 10	20	< 0.5	< 2	0.79	6	78
1122021045 Dup							1.3	4.0	59	583	< 1	10	252	1100	1.29	166	< 10	20	< 0.5	< 2	0.77	6	88
1122021127 Orig																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1122021127 Dup																							
2136005038 Orig																							
2136005038 Dup																							
1121003155 Orig																							
1121003155 Dup																							
2136007032 Orig	1.56	34.3	32.8	1.53	22.4	9.67																	
2136007032 Dup	1.56	34.3	32.7	1.53	22.4	9.69																	
2136007028 Orig																							
2136007028 Dup																							
1231011398 Orig							< 0.2	< 0.5	10	291	< 1	14	5	80	2.26	13	< 10	< 10	< 0.5	< 2	0.10	6	215
1231011398 Dup							< 0.2	< 0.5	10	293	< 1	14	3	79	2.20	14	< 10	10	< 0.5	< 2	0.10	7	215
1121004019 Orig																							
1121004019 Dup																							
2136007016 Orig																							
2136007016 Dup																							
1232008114 Orig																							
1232008114 Dup																							
1121004085 Orig							1.4	1.9	44	787	< 1	7	22	494	2.01	133	< 10	28	< 0.5	< 2	0.99	6	77
1121004085 Dup							1.2	1.8	44	770	< 1	9	23	479	1.99	136	< 10	26	< 0.5	< 2	0.99	5	78
1121003044 Orig																							
1121003044 Dup																							
1121003085 Orig							1.3	3.2	18	1750	< 1	17	68	960	1.03	133	< 10	25	< 0.5	< 2	2.53	10	235
1121003085 Dup							1.4	3.1	18	1750	< 1	18	67	951	1.00	125	< 10	28	< 0.5	< 2	2.56	10	228
1121003069 Orig																							
1121003069 Dup																							
1121003090 Orig																							
1121003031 Orig	62.7	10.4	-52.3	69.8	0.148	8.15																	
1121003031 Dup	62.7	10.3	-52.3	69.8	0.148	8.17																	
v835545 Orig																							
v835545 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							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							0.6	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit						0.01	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	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	5	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank							< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
GXR-6 Meas	5.99	20	1	1.23	< 10	0.44	0.085	0.035	0.01	3	18	26		< 1	< 2	< 10	176	< 10	5	6			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	6.11	20	3	1.22	< 10	0.44	0.083	0.034	0.01	4	18	25		< 1	3	< 10	172	< 10	4	5			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	5.68	20	4	1.15	< 10	0.42	0.071	0.033	0.01	3	18	25		< 1	< 2	< 10	162	< 10	4	6			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	6.06	20	3	1.22	< 10	0.45	0.073	0.034	0.01	3	19	26		< 1	< 2	< 10	164	< 10	4	6			
GXR-6 Cert	5.58	35.0	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
BaSO4 Meas																						14.1	
BaSO4 Cert																						14.0	
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																						14.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.1	
BaSO4 Cert																						14.0	
BaSO4 Meas																						14.2	
BaSO4 Cert																						14.0	
BaSO4 Meas																						13.9	
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	
SGR-1b Meas																					28.4	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.6	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.6	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.1	1.52	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.0	1.50	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.0	1.52	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.3	1.57	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.9	1.52	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					27.8	1.51	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.5	1.54	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.1	1.53	
SGR-1b Cert																					28	1.53	
SGR-1b Meas																					28.0	1.51	
SGR-1b Cert																					28	1.53	
GS311-4 Meas																					1.10	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.12	0.54	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.11	0.53	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.55	
GS311-4 Cert																					1.11	0.54	
GS311-4 Meas																					1.10	0.55	
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	0.54	
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																					1.12	0.54	
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	0.53	
GS311-4 Cert																					1.11	0.54	
GS900-5 Meas																					0.62	0.34	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.62	0.34	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.63	0.33	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.63	0.34	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.62	0.34	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.62	0.34	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.64	0.35	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.60	0.33	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.61	0.34	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.63	0.34	
GS900-5 Cert																					0.65	0.34	
GS900-5 Meas																					0.63	0.35	
GS900-5 Cert																					0.65	0.34	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
GS900-5 Meas																					0.61	0.35	
GS900-5 Cert																					0.65	0.34	
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) Meas																							
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	5.25	< 10		0.58	38	1.42	0.035	0.063	0.36	< 2	4	17			< 2	< 10	38	< 10	23	10			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.08	< 10		0.49	37	1.39	0.030	0.063	0.35	< 2	4	16			< 2	< 10	36	< 10	21	15			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.05	< 10		0.51	37	1.37	0.032	0.062	0.34	< 2	4	16			< 2	< 10	36	< 10	22	15			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.08	< 10		0.50	36	1.40	0.029	0.062	0.35	< 2	4	16			< 2	< 10	34	< 10	22	18			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	5.38	< 10		0.52	37	1.48	0.030	0.064	0.36	3	4	17			< 2	< 10	36	< 10	22	17			
OREAS 922 (AQUA REGIA) Cert	5.05	7.62		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0			0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 923 (AQUA REGIA) Meas	5.93	< 10		0.47	36	1.50		0.060	0.64	2	4	15			< 2	< 10	37	< 10	21	15			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA)	6.16	< 10		0.44	35	1.54		0.064	0.66	2	4	15			< 2	< 10	36	< 10	20	23			

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
Meas																							
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	5.92	< 10		0.43	33	1.52		0.059	0.64	< 2	4	14			< 2	< 10	34	< 10	20	29			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	6.17	< 10		0.43	34	1.57		0.060	0.66	3	4	15			< 2	< 10	34	< 10	20	24			
OREAS 923 (AQUA REGIA) Cert	5.91	8.01		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6			0.12	1.80	30.6	1.96	14.3	22.5			
Oreas 96 (Aqua Regia) Meas									4.01	6													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.92	6													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.86	7													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.67	6													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
Oreas 96 (Aqua Regia) Meas									3.62	7													
Oreas 96 (Aqua Regia) Cert									4.38	4.53													
OREAS 220 (Fire Assay) Meas																							0.876
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.902
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.889
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.886
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.879
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.905
OREAS 220 (Fire																							0.866

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							0.853
OREAS 220 (Fire Assay) Cert																							0.866
OREAS 220 (Fire Assay) Meas																							0.866
OREAS 220 (Fire Assay) Cert																							0.866
Oreas 621 (Aqua Regia) Meas	3.31	10	4	0.42	20	0.46	0.197	0.035	4.36	120	3	17			< 2	< 10	14	< 10	9	61			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.48	< 10	3	0.40	20	0.48	0.202	0.035	4.43	103	3	18			< 2	< 10	13	< 10	9	46			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.08	< 10	3	0.38	19	0.43	0.182	0.032	4.21	110	3	17			< 2	< 10	13	< 10	8	56			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	3.49	10	4	0.39	19	0.49	0.177	0.033	4.29	81	3	18			< 2	< 10	13	< 10	8	50			
Oreas 621 (Aqua Regia) Cert	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
OREAS 257 Meas																							
OREAS 257 Cert																							
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	14.5	20	< 1	0.12	< 10	0.20	0.043	0.020	0.02		24	13	0.10		< 2	< 10	192		4	13			
OREAS 45f (Aqua Regia) Cert	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0			
OREAS 45f (Aqua Regia) Meas	14.7	20	< 1	0.12	< 10	0.20	0.045	0.020	0.02		25	13	0.10		< 2	< 10	192		5	10			
OREAS 45f (Aqua Regia) Cert	13.7	20.3	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970		0.120	1.09	217		6.74	30.0			
OREAS 238 (Fire Assay) Meas																							3.159
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.005
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.173
OREAS 238 (Fire Assay) Cert																							3.03
OREAS 238 (Fire Assay) Meas																							3.184
OREAS 238 (Fire																							3.03

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							3.178
OREAS 238 (Fire Assay) Cert																							3.03
1231013051 Orig																					0.10	2.13	0.440
1231013051 Dup																					0.10	2.12	0.433
1231014218 Orig	2.56	< 10	< 1	0.26	22	0.99	0.160	0.072	1.19	< 2	2	98	0.01	2	< 2	< 10	20	< 10	4	8			
1231014218 Dup	2.67	< 10	< 1	0.27	23	1.04	0.168	0.075	1.25	< 2	2	100	0.01	3	< 2	< 10	20	12	4	8			
1121008126 Orig																					0.47	0.36	0.021
1121008126 Dup																					0.49	0.36	0.021
1121006160 Orig	2.87	< 10	< 1	0.45	20	1.33	0.122	0.054	1.34	< 2	2	81	0.04	3	< 2	< 10	21	< 10	3	11			
1121006160 Dup	2.88	< 10	< 1	0.45	21	1.32	0.122	0.054	1.34	< 2	2	83	0.04	< 1	< 2	< 10	21	< 10	4	6			
1121012018 Orig																							0.022
1121012018 Dup																							0.029
1121012016 Orig																					0.32	0.77	
1121012016 Dup																					0.32	0.79	
1121008003 Orig	2.77	< 10	< 1	0.24	15	0.97	0.088	0.041	0.77	2	2	36	0.02	< 1	< 2	< 10	20	< 10	4	10			
1121008003 Dup	2.67	< 10	< 1	0.23	14	0.94	0.084	0.040	0.75	2	2	35	0.02	< 1	< 2	< 10	20	< 10	3	11			
1121006063 Orig																					0.22	1.15	
1121006063 Dup																					0.22	1.19	
1231012165 Orig																							0.098
1231012165 Dup																							0.108
1121013707 Orig																							
1121013707 Dup																							
1230020033 Orig																					0.59	1.61	
1230020033 Dup																					0.59	1.68	
1121013722 Orig	1.96	< 10	< 1	0.52	15	0.97	0.084	0.042	1.27	< 2	1	51	< 0.01	< 1	< 2	< 10	10	< 10	2	9			
1121013722 Dup	1.90	< 10	< 1	0.51	15	0.95	0.080	0.039	1.25	3	1	51	< 0.01	< 1	< 2	< 10	10	< 10	2	9			
1230020008 Orig																							0.221
1230020008 Dup																							0.211
v835548 Orig																					0.03	0.08	
v835548 Dup																					0.03	0.09	
1230021097 Orig																							0.037
1230021097 Dup																							0.036
1121012003 Orig																					1.28	2.17	
1121012003 Dup																					1.26	2.18	
1121013021 Orig	2.10	< 10	< 1	0.32	15	0.69	0.110	0.041	0.47	2	1	78	0.01	< 1	< 2	< 10	13	< 10	3	8			
1121013021 Dup	2.11	< 10	< 1	0.33	15	0.69	0.112	0.041	0.50	2	1	79	0.01	< 1	< 2	< 10	13	< 10	3	9			
1121004144 Orig																							
1121004150 Orig																							0.783
1121013069 Orig																					0.31	1.47	
1121013069 Dup																					0.31	1.48	
1231012228 Orig																							0.200
1231012228 Dup																							0.149
1231012356 Orig	4.35	< 10	< 1	0.36	16	1.16	0.033	0.048	3.74	< 2	< 1	15	< 0.01	< 1	< 2	< 10	9	< 10	2	12			
1231012356 Dup	4.39	< 10	< 1	0.36	16	1.16	0.035	0.047	3.80	3	< 1	15	< 0.01	2	< 2	< 10	9	< 10	2	12			
1121008115 Orig																					0.74	0.29	
1121008115 Dup																					0.75	0.31	
1231013234 Orig																							
1231013234 Dup																							
1231013180 Orig																							0.062

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1231013180 Dup																							0.054
1121008109 Orig	2.40	< 10	< 1	0.37	15	0.70	0.077	0.040	0.61	4	2	38	0.05	< 1	< 2	< 10	17	< 10	3	9	0.77	0.63	
1121008109 Dup	2.37	< 10	< 1	0.36	14	0.68	0.075	0.040	0.61	2	2	38	0.05	< 1	< 2	< 10	16	< 10	3	10	0.77	0.66	
1121001059 Orig																					0.44	0.53	0.036
1121001059 Dup																					0.42	0.53	0.029
1231008354 Orig	3.29	< 10	< 1	0.23	13	0.89	0.137	0.039	2.34	< 2	2	57	< 0.01	5	< 2	< 10	14	< 10	3	18			
1231008354 Dup	3.37	< 10	< 1	0.24	13	0.90	0.140	0.039	2.40	2	2	58	< 0.01	4	< 2	< 10	15	< 10	3	19			
1121001110 Orig																					0.26	1.62	0.588
1121001110 Dup																					0.26	1.63	
1121002072 Orig	1.77	< 10	3	0.32	11	1.17	0.088	0.034	0.91	< 2	< 1	55	< 0.01	< 1	< 2	< 10	8	< 10	2	5			
1121002072 Dup	1.80	< 10	< 1	0.31	11	1.18	0.088	0.034	0.91	< 2	< 1	55	< 0.01	< 1	< 2	< 10	8	< 10	2	5			
1121002030 Orig																							0.145
1121002030 Dup																							0.176
1121001034 Orig																					0.32	0.87	
1121001034 Dup																					0.31	0.86	
1121001208 Orig																							
1121001208 Dup																							
1231010001 Orig																					0.06	1.79	
1231010001 Dup																					0.06	1.75	
1231010114 Orig	2.31	< 10	< 1	0.26	15	0.89	0.139	0.043	2.17	< 2	2	50	< 0.01	2	< 2	< 10	13	< 10	2	23			
1231010114 Dup	2.42	< 10	< 1	0.27	16	0.92	0.141	0.045	2.28	2	2	51	< 0.01	2	< 2	< 10	13	< 10	3	24			
1121009160 Orig																							0.110
1121009160 Dup																							0.096
1121009008 Orig																					1.06	1.87	
1121009008 Dup																					1.08	1.83	
1231010085 Orig																							0.330
1231010085 Dup																							0.329
v835541 Orig	1.51	< 10	< 1	0.09	< 10	0.13	0.156	0.029	0.02	< 2	1	23	0.26	4	< 2	< 10	34	< 10	9	10			
v835541 Dup	1.44	< 10	< 1	0.08	< 10	0.12	0.148	0.030	0.02	< 2	1	21	0.27	< 1	< 2	< 10	35	< 10	9	18			
1122010946 Orig																					0.26	1.38	
1122010946 Dup																					0.25	1.42	
1122019250 Orig																							2.986
1122021045 Orig	2.05	< 10	< 1	0.59	14	0.35	0.025	0.040	2.01	< 2	< 1	21	< 0.01	1	< 2	< 10	7	< 10	2	17			
1122021045 Dup	2.04	< 10	< 1	0.60	14	0.35	0.025	0.040	2.01	2	< 1	21	< 0.01	< 1	< 2	< 10	7	< 10	2	17			
1122021127 Orig																					1.15	0.97	
1122021127 Dup																					1.16	0.94	
2136005038 Orig																							< 0.005
2136005038 Dup																							< 0.005
1121003155 Orig																					0.83	1.95	
1121003155 Dup																					0.83	2.02	
2136007032 Orig																							
2136007032 Dup																							
2136007028 Orig																							0.025
2136007028 Dup																							0.013
1231011398 Orig	3.07	< 10	< 1	0.30	12	1.17	0.045	0.011	2.58	2	1	33	< 0.01	< 1	< 2	< 10	11	< 10	2	15			
1231011398 Dup	3.07	< 10	< 1	0.31	12	1.16	0.045	0.011	2.56	< 2	1	33	< 0.01	2	< 2	< 10	11	< 10	2	15			
1121004019 Orig																					0.20	2.29	
1121004019 Dup																					0.21	2.31	
2136007016 Orig																							0.007
2136007016 Dup																							0.006
1232008114 Orig																					0.21	1.08	

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Lower Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.005
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-AA
1232008114 Dup																					0.20	1.10	
1121004085 Orig	2.93	< 10	< 1	0.64	14	0.93	0.027	0.038	1.75	2	1	33	0.04	< 1	< 2	< 10	11	< 10	2	24			
1121004085 Dup	2.95	< 10	< 1	0.63	14	0.94	0.027	0.038	1.81	2	1	33	0.04	< 1	< 2	< 10	11	< 10	2	24			
1121003044 Orig																					0.56	2.78	1.036
1121003044 Dup																					0.56	2.74	
1121003085 Orig	2.27	< 10	< 1	0.44	< 10	1.19	0.032	0.038	1.94	< 2	< 1	28	< 0.01	1	< 2	< 10	6	< 10	2	14			
1121003085 Dup	2.29	< 10	< 1	0.44	< 10	1.21	0.030	0.038	1.99	2	< 1	28	< 0.01	< 1	< 2	< 10	6	< 10	2	15			
1121003069 Orig																					0.73	3.65	3.554
1121003069 Dup																					0.72	3.78	3.524
1121003090 Orig																							
1121003031 Orig																							
1121003031 Dup																							
v835545 Orig																					0.02	0.08	
v835545 Dup																					0.01	0.08	
Method Blank																							< 0.005
Method Blank																							< 0.005
Method Blank																							< 0.005
Method Blank																							< 0.005
Method Blank																							< 0.005
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Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank																							< 0.005
Method Blank																							
Method Blank																							

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
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SGR-1b Meas	
SGR-1b Cert	
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SGR-1b Meas	
SGR-1b Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
SGR-1b Meas	
SGR-1b Cert	
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GS311-4 Meas	
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GS900-5 Meas	
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GS900-5 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GS900-5 Meas	
GS900-5 Cert	
GS900-5 Meas	
GS900-5 Cert	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
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OREAS 922 (AQUA REGIA) Meas	
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OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA)	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Cert	
OREAS 923 (AQUA REGIA) Meas	
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OREAS 923 (AQUA REGIA) Meas	
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OREAS 923 (AQUA REGIA) Cert	
Oreas 96 (Aqua Regia) Meas	
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OREAS 220 (Fire Assay) Meas	
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OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Assay) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
OREAS 257 Meas	14.2
OREAS 257 Cert	14.18
OREAS 229b (Fire Assay) Meas	11.9
OREAS 229b (Fire Assay) Cert	11.9
OREAS 229b (Fire Assay) Meas	12.3
OREAS 229b (Fire Assay) Cert	11.9
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	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
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	
1231013051 Orig	
1231013051 Dup	
1231014218 Orig	
1231014218 Dup	
1121008126 Orig	
1121008126 Dup	
1121006160 Orig	
1121006160 Dup	
1121012018 Orig	
1121012018 Dup	
1121012016 Orig	
1121012016 Dup	
1121008003 Orig	
1121008003 Dup	
1121006063 Orig	
1121006063 Dup	
1231012165 Orig	
1231012165 Dup	
1121013707 Orig	
1121013707 Dup	
1230020033 Orig	
1230020033 Dup	
1121013722 Orig	
1121013722 Dup	
1230020008 Orig	
1230020008 Dup	
v835548 Orig	
v835548 Dup	
1230021097 Orig	
1230021097 Dup	
1121012003 Orig	
1121012003 Dup	
1121013021 Orig	
1121013021 Dup	
1121004144 Orig	5.62
1121004150 Orig	
1121013069 Orig	
1121013069 Dup	
1231012228 Orig	
1231012228 Dup	
1231012356 Orig	
1231012356 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1121008115 Orig	
1121008115 Dup	
1231013234 Orig	
1231013234 Dup	
1231013180 Orig	
1231013180 Dup	
1121008109 Orig	
1121008109 Dup	
1121001059 Orig	
1121001059 Dup	
1231008354 Orig	
1231008354 Dup	
1121001110 Orig	
1121001110 Dup	
1121002072 Orig	
1121002072 Dup	
1121002030 Orig	
1121002030 Dup	
1121001034 Orig	
1121001034 Dup	
1121001208 Orig	
1121001208 Dup	
1231010001 Orig	
1231010001 Dup	
1231010114 Orig	
1231010114 Dup	
1121009160 Orig	
1121009160 Dup	
1121009008 Orig	
1121009008 Dup	
1231010085 Orig	
1231010085 Dup	
v835541 Orig	
v835541 Dup	
1122010946 Orig	
1122010946 Dup	
1122019250 Orig	
1122021045 Orig	
1122021045 Dup	
1122021127 Orig	
1122021127 Dup	
2136005038 Orig	
2136005038 Dup	
1121003155 Orig	
1121003155 Dup	
2136007032 Orig	
2136007032 Dup	
2136007028 Orig	
2136007028 Dup	
1231011398 Orig	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1231011398 Dup	
1121004019 Orig	
1121004019 Dup	
2136007016 Orig	
2136007016 Dup	
1232008114 Orig	
1232008114 Dup	
1121004085 Orig	
1121004085 Dup	
1121003044 Orig	
1121003044 Dup	
1121003085 Orig	
1121003085 Dup	
1121003069 Orig	
1121003069 Dup	
1121003090 Orig	4.90
1121003031 Orig	
1121003031 Dup	
v835545 Orig	
v835545 Dup	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
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Method Blank	
Method Blank	< 0.02
Method Blank	< 0.02

Quality Analysis ... *Innovative Technologies*

Report No.: **A19-13629**
Report Date: **15-Nov-19**
Date Submitted: **07-Oct-19**
Your Reference: **2019 Q3 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

241 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-11-04 17:36:16
4F-C, S	Infrared	2019-10-31 15:44:52

REPORT **A19-13629**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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.: **A19-13629**
Report Date: **15-Nov-19**
Date Submitted: **07-Oct-19**
Your Reference: **2019 Q3 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

241 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)	2019-10-24 12:59:46
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-10-30 17:14:42

REPORT **A19-13629**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230045029	43.0	-21.7	-64.7	49.6	-0.437	8.93	166	0.3	< 0.5	89	379	2	11	3	86	2.48	14	< 10	16	< 0.5	2	0.48	6
1229010262	2.81	9.73	6.92	2.76	3.53	8.78	6	< 0.2	< 0.5	132	604	< 1	56	< 2	52	5.39	2	< 10	20	< 0.5	< 2	3.71	23
1230045067	55.0	10.9	-44.1	60.0	0.182	8.82	150	0.9	< 0.5	90	377	< 1	12	< 2	75	1.97	12	< 10	17	< 0.5	4	0.55	3
1118003030	62.0	42.7	-19.2	71.1	0.601	8.68	196	1.2	3.3	52	682	1	29	176	906	1.76	56	< 10	15	< 0.5	< 2	1.66	10
1229010133	71.5	45.1	-26.5	91.3	0.494	8.72	841	2.2	1.5	103	992	< 1	11	16	347	1.38	95	< 10	12	< 0.5	3	1.49	9
1118003228	78.2	35.9	-42.3	91.3	0.394	8.48	1320	1.5	7.0	81	1460	< 1	12	83	1880	2.17	98	< 10	12	< 0.5	3	1.17	5
1118003040	59.7	57.8	-1.84	68.0	0.851	8.91	560	1.4	4.7	81	1330	2	15	101	1000	1.63	49	< 10	16	< 0.5	< 2	2.34	7
1230045081	5.31	15.8	10.5	5.21	3.04	8.41	12	< 0.2	< 0.5	135	661	< 1	59	< 2	56	5.56	3	< 10	26	< 0.5	< 2	3.78	26
1230045080	4.69	18.2	13.5	4.59	3.96	8.12	10	< 0.2	< 0.5	124	648	< 1	55	< 2	57	5.17	< 2	< 10	19	< 0.5	< 2	3.63	23
1229010195	32.2	22.0	-10.2	35.5	0.619	8.55	80	1.2	0.6	58	852	< 1	13	16	301	1.55	11	< 10	42	< 0.5	< 2	1.12	10
1229010138	49.8	51.9	2.14	55.4	0.937	8.90	74	0.8	1.0	18	2220	< 1	11	31	327	0.74	62	< 10	29	< 0.5	< 2	1.63	8
1229010245	15.0	19.4	4.35	14.7	1.32	8.91	16	0.4	< 0.5	35	707	< 1	18	16	149	2.40	7	14	49	< 0.5	< 2	1.46	7
1118003038	38.4	51.5	13.1	42.9	1.20	8.88	517	0.6	2.1	40	1480	1	12	69	532	1.20	49	< 10	27	< 0.5	< 2	2.41	7
1118003105	75.9	23.8	-52.2	82.4	0.288	8.60	1200	1.2	1.9	154	991	2	12	59	536	1.92	43	< 10	12	< 0.5	< 2	1.07	7
1118003101	78.3	27.3	-51.0	83.9	0.326	8.60	2420	1.4	0.7	100	846	1	12	51	275	1.42	43	< 10	13	< 0.5	4	1.16	7
1229015099	41.7	13.5	-28.2	45.9	0.293	8.54	53	0.4	1.6	93	558	3	9	3	463	1.81	6	< 10	22	< 0.5	< 2	1.09	7
1229015200	39.9	18.1	-21.8	44.4	0.408	8.61	105	0.7	1.4	77	613	3	11	< 2	474	1.17	7	< 10	25	< 0.5	< 2	0.87	7
1231501196	7.19	16.2	9.02	7.04	2.30	9.34	7	0.2	< 0.5	32	455	< 1	12	11	120	3.39	3	< 10	52	< 0.5	< 2	1.98	7
1229015135	48.6	41.7	-6.94	53.0	0.787	8.61	63	0.2	3.0	37	564	4	9	< 2	852	1.26	8	< 10	26	< 0.5	< 2	1.00	7
v845051							1370	9.2	< 0.5	48	359	19	13	6	52	1.72	< 2	< 10	80	< 0.5	< 2	1.26	13
1118002053	29.4	43.0	13.6	33.7	1.28	8.54	74	0.6	< 0.5	20	723	< 1	13	13	111	2.43	41	< 10	45	< 0.5	< 2	2.64	6
1118002169	44.9	62.3	17.4	53.0	1.18	8.72	668	0.7	0.9	40	944	< 1	12	27	265	2.03	97	< 10	17	< 0.5	< 2	2.30	8
1118002187	64.8	27.2	-37.6	71.7	0.379	8.57	2310	1.6	3.8	51	874	< 1	11	302	975	1.45	98	< 10	14	< 0.5	< 2	1.21	8
1118002206	49.4	97.4	48.1	57.3	1.70	8.91	1390	0.8	1.1	35	1310	< 1	16	130	350	1.65	84	< 10	19	< 0.5	< 2	2.44	10
1118002163	34.2	59.7	25.5	42.0	1.42	8.90	1330	1.2	3.0	46	1300	< 1	11	111	821	2.00	47	< 10	25	< 0.5	< 2	2.33	8
1118002256	38.6	38.2	-0.476	45.0	0.848	8.61	464	1.0	1.2	57	1070	1	14	184	325	1.90	42	< 10	23	< 0.5	< 2	1.80	6
1229014206	59.3	12.2	-47.1	66.2	0.184	8.25	120	0.5	< 0.5	123	384	3	20	5	75	2.27	9	< 10	15	< 0.5	< 2	1.14	7
1229016187	78.8	22.7	-56.1	85.4	0.266	8.24	60	< 0.2	< 0.5	6	381	< 1	10	2	41	2.42	10	< 10	11	< 0.5	< 2	0.81	6
1229015002	51.4	34.2	-17.3	58.8	0.581	8.75	331	0.4	< 0.5	116	657	4	19	3	162	1.44	12	< 10	13	< 0.5	< 2	1.42	7
1229014300	73.1	8.59	-64.5	79.9	0.107	8.34	188	0.7	1.8	137	556	2	17	4	486	2.16	16	< 10	11	< 0.5	2	0.65	7
1230032237	68.1	11.4	-56.7	74.4	0.153	8.31	266	1.2	< 0.5	166	443	2	14	8	192	2.94	22	< 10	13	< 0.5	< 2	0.80	8
1230032261	7.19	11.0	3.84	7.04	1.57	8.82	11	0.3	< 0.5	114	490	< 1	45	< 2	54	5.33	< 2	< 10	23	< 0.5	< 2	3.59	20
1230032295	77.4	14.5	-62.9	84.5	0.171	8.34	105	0.6	2.1	153	369	2	14	3	541	1.88	4	< 10	11	< 0.5	4	0.74	9
1118002264	70.5	67.5	-3.02	84.5	0.798	8.69	1960	3.0	12.3	91	1700	< 1	16	1100	3310	1.47	36	< 10	14	< 0.5	< 2	2.20	7
1230032214	70.0	8.02	-62.0	77.2	0.104	8.31	351	1.6	0.7	153	354	< 1	9	3	232	2.31	11	< 10	11	< 0.5	19	0.50	3
1229014290	63.2	19.9	-43.3	70.7	0.281	7.61	133	0.6	3.1	92	577	3	17	3	884	2.32	13	< 10	13	< 0.5	< 2	1.38	8
1230032201	50.5	19.2	-31.3	57.3	0.335	7.79	181	0.6	< 0.5	220	416	< 1	20	< 2	59	2.42	9	< 10	14	< 0.5	2	1.32	17
1230032198	50.8	11.8	-39.0	56.0	0.211	7.91	252	0.9	< 0.5	208	373	3	16	3	70	2.50	11	< 10	14	< 0.5	3	0.78	10
v845052							664	2.1	< 0.5	23	236	9	8	23	45	1.29	< 2	< 10	49	< 0.5	< 2	0.84	6
1229016061	23.1	18.1	-5.04	25.7	0.703	8.10	77	0.2	< 0.5	61	566	< 1	12	6	112	3.86	3	11	57	< 0.5	< 2	1.61	7
1118001087	24.1	21.7	-2.40	23.6	0.918	8.42	54	0.3	< 0.5	19	481	< 1	12	11	82	3.20	24	< 10	54	< 0.5	< 2	2.06	6
1118001011	47.2	19.7	-27.5	50.8	0.387	8.28	130	0.5	< 0.5	18	510	1	14	15	97	2.36	47	< 10	19	< 0.5	< 2	1.43	7
1230031022	24.3	11.5	-12.8	27.9	0.412	8.54	71	0.4	1.8	37	821	< 1	13	< 2	590	3.19	8	< 10	55	< 0.5	< 2	1.20	6
1230031052	38.2	32.6	-5.61	44.4	0.734	8.47	203	0.2	< 0.5	88	391	< 1	11	4	133	1.84	5	< 10	18	< 0.5	3	1.39	6
1229014190	2.81	7.99	5.18	2.76	2.90	8.70	10	< 0.2	< 0.5	127	587	< 1	52	< 2	51	6.12	3	< 10	17	< 0.5	< 2	4.14	23
1229016092	53.2	10.1	-43.1	56.7	0.178	8.07	388	0.9	< 0.5	277	546	< 1	13	7	102	3.33	13	< 10	16	< 0.5	5	0.89	7
1230031098	34.2	32.3	-1.82	38.0	0.852	8.64	187	0.9	0.6	54	661	< 1	13	4	254	1.87	10	< 10	19	< 0.5	< 2	1.37	8
1230031017	46.4	9.62	-36.8	51.8	0.186	8.38	89	0.4	3.2	51	428	< 1	11	< 2	894	2.35	10	< 10	15	< 0.5	3	0.83	8
1118001046	17.8	35.6	17.8	21.1	1.69	8.64	165	0.3	0.6	22	629	< 1	17	23	208	3.09	27	< 10	57	< 0.5	< 2	2.06	7

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1118001097	15.8	51.9	36.1	19.0	2.74	8.54	85	0.6	< 0.5	23	637	< 1	21	17	87	2.63	29	< 10	73	< 0.5	< 2	2.47	8
1229016045	24.1	8.25	-15.8	23.6	0.350	8.30	11	< 0.2	< 0.5	20	564	< 1	9	4	92	3.18	5	17	49	< 0.5	< 2	1.01	6
1229016144	75.9	10.9	-65.0	82.1	0.133	8.02	331	0.4	< 0.5	76	339	5	14	5	46	2.58	7	< 10	15	< 0.5	6	1.01	9
1229016143	80.9	17.5	-63.4	87.3	0.201	8.03	161	0.3	< 0.5	51	337	2	16	4	48	2.68	11	< 10	13	< 0.5	4	1.34	8
1229014250	69.6	28.3	-41.3	76.9	0.368	8.28	70	0.4	1.6	111	768	2	25	3	471	2.75	10	< 10	13	< 0.5	< 2	1.90	11
1229014273	4.06	8.17	4.10	3.98	2.05	8.82	8	< 0.2	< 0.5	122	538	< 1	54	< 2	64	5.63	< 2	< 10	20	< 0.5	< 2	3.79	23
v845053							257	2.6	< 0.5	57	459	1	18	6	64	1.80	< 2	< 10	92	< 0.5	< 2	1.61	16
1230032174	27.1	9.62	-17.5	30.0	0.320	8.66	57	0.3	< 0.5	83	449	< 1	30	< 2	115	3.26	6	< 10	38	< 0.5	< 2	2.02	15
1230031816	68.4	15.0	-53.4	75.6	0.198	8.47	124	0.7	1.3	135	345	1	11	< 2	374	2.25	10	< 10	12	< 0.5	5	0.86	6
1229015115	41.9	27.3	-14.6	46.5	0.586	8.56	113	0.2	0.7	47	629	3	20	< 2	286	1.50	7	< 10	14	< 0.5	< 2	1.17	8
1229015187	45.9	12.1	-33.8	50.2	0.241	8.48	69	0.3	< 0.5	106	514	3	13	3	140	2.16	3	< 10	14	< 0.5	< 2	1.07	7
1118003112	60.9	22.4	-38.5	70.7	0.317	8.57	4480	3.7	11.7	276	1020	2	17	901	2960	2.00	52	< 10	11	< 0.5	< 2	1.66	7
1118003181	64.9	24.5	-40.3	77.8	0.315	8.33	2790	5.9	19.1	307	759	2	18	817	4970	2.13	84	< 10	11	< 0.5	< 2	1.19	9
1230031727	54.3	12.0	-42.3	58.5	0.205	8.43	476	0.5	< 0.5	147	370	1	13	< 2	141	2.48	17	< 10	13	< 0.5	< 2	0.93	7
1118003047	52.2	76.9	24.7	59.1	1.30	8.58	646	1.0	2.8	30	1400	< 1	18	178	785	1.26	63	< 10	15	< 0.5	< 2	2.94	9
1118003142	142	18.8	-124	160	0.118	8.21	2430	4.5	23.5	129	879	< 1	18	53	5850	1.88	108	< 10	< 10	< 0.5	2	0.80	10
1229015149	29.7	13.9	-15.7	33.4	0.417	8.72	135	0.4	2.0	60	729	< 1	17	3	579	2.05	7	< 10	18	< 0.5	< 2	0.87	6
2136011090	3.13	6.84	3.71	3.06	2.23	9.20	< 5	< 0.2	< 0.5	17	328	< 1	25	< 2	30	4.06	3	< 10	170	< 0.5	< 2	1.69	8
2137504146	1.25	11.5	10.3	1.23	9.41	8.90	6	< 0.2	< 0.5	18	404	< 1	23	3	49	4.84	2	< 10	163	0.6	< 2	2.69	9
1118002086	53.4	77.2	23.8	67.1	1.15	8.72	> 5000	39.4	14.4	93	1930	< 1	17	1880	3860	1.45	32	< 10	12	< 0.5	< 2	2.59	8
1230031772	75.1	11.7	-63.4	80.8	0.144	8.17	64	0.7	< 0.5	134	218	1	12	< 2	64	2.11	15	< 10	12	< 0.5	4	1.10	8
1118002082	40.4	66.5	26.1	45.9	1.45	8.81	1320	1.2	2.8	45	1330	< 1	14	72	745	1.83	86	< 10	24	< 0.5	< 2	2.63	7
1229010322	23.4	-15.6	-39.0	23.0	-0.677	8.44	35	0.2	< 0.5	31	637	1	17	17	153	3.49	15	18	52	< 0.5	< 2	1.28	8
1229010264	3.44	10.0	6.59	3.37	2.98	8.67	7	< 0.2	< 0.5	126	553	< 1	48	< 2	46	5.95	< 2	< 10	18	< 0.5	< 2	4.05	21
1230045003	51.8	14.7	-37.0	57.0	0.258	8.76	111	0.5	< 0.5	41	326	1	13	4	44	2.26	12	< 10	14	< 0.5	5	0.93	8
1229010021	65.7	26.7	-39.0	72.3	0.370	8.68	874	2.2	1.0	29	848	< 1	12	24	263	1.18	101	< 10	11	< 0.5	< 2	1.06	10
1230045036	4.06	5.16	1.10	3.98	1.30	8.66	< 5	< 0.2	< 0.5	123	534	< 1	50	< 2	48	5.67	< 2	< 10	21	< 0.5	< 2	3.80	23
v845054							1020	4.0	< 0.5	21	147	7	6	< 2	25	0.71	< 2	< 10	25	< 0.5	3	0.64	5
1230032245	48.0	8.35	-39.7	52.1	0.160	8.47	98	0.6	< 0.5	142	412	< 1	14	< 2	86	2.41	9	< 10	17	< 0.5	2	0.57	4
1230032367	54.1	14.5	-39.5	58.2	0.250	8.54	174	0.6	< 0.5	123	430	3	19	< 2	111	1.43	11	< 10	13	< 0.5	4	0.71	8
1229015015	56.1	28.4	-27.7	61.9	0.459	8.63	102	0.6	3.8	102	565	4	19	2	1090	1.38	8	< 10	12	< 0.5	2	1.36	8
1230032365	49.9	26.0	-23.9	55.7	0.466	8.69	69	0.4	< 0.5	97	430	3	18	< 2	225	1.48	11	< 10	18	< 0.5	2	1.05	7
1230032309	44.7	10.6	-34.1	48.7	0.218	8.50	465	0.6	< 0.5	157	279	< 1	15	6	51	2.17	9	< 10	15	< 0.5	3	0.98	7
1118002043	27.5	73.3	45.8	34.0	2.16	8.99	235	1.6	6.6	58	856	2	10	18	1520	1.69	77	< 10	23	< 0.5	< 2	2.59	6
1118002123	61.0	61.3	0.320	68.3	0.898	8.61	1050	0.7	0.7	46	914	< 1	12	34	171	1.90	85	< 10	13	< 0.5	< 2	2.21	9
1229015043	14.3	28.0	13.7	17.1	1.63	8.24	50	< 0.2	< 0.5	37	523	< 1	16	< 2	155	1.45	5	< 10	67	< 0.5	< 2	1.25	7
1229015036	28.9	44.8	15.9	34.0	1.32	8.89	114	0.2	0.6	83	559	2	15	< 2	210	1.37	8	< 10	18	< 0.5	< 2	1.81	6
1230032377	23.8	2.08	-21.8	27.0	0.0772	8.93	236	0.6	1.3	114	628	3	12	< 2	438	2.30	9	< 10	38	< 0.5	< 2	0.46	6
1230032392	34.3	10.5	-23.8	37.4	0.280	8.41	435	0.3	< 0.5	52	323	3	14	6	47	1.60	16	< 10	18	< 0.5	2	0.69	7
1118002056	18.3	59.3	40.9	22.0	2.69	9.09	59	0.7	< 0.5	15	677	< 1	13	13	77	1.73	50	< 10	60	< 0.5	< 2	2.33	6
1230031180	70.0	18.8	-51.1	78.4	0.240	8.45	263	1.1	3.1	170	919	1	20	2	896	2.96	26	< 10	23	< 0.5	< 2	1.19	12
1230032323	58.3	18.0	-40.4	63.1	0.285	8.55	67	0.3	< 0.5	85	260	3	14	3	98	1.68	7	< 10	38	< 0.5	3	0.98	6
1118002050	31.7	75.1	43.5	36.4	2.06	8.90	607	0.9	< 0.5	42	1040	< 1	11	39	163	2.31	57	< 10	48	< 0.5	< 2	2.94	8
1118002236	48.8	69.9	21.0	57.6	1.21	8.75	168	0.8	4.3	48	1470	< 1	15	127	1060	1.47	23	< 10	38	< 0.5	< 2	2.45	7
1230032340	53.7	13.3	-40.4	60.3	0.221	8.48	331	0.6	< 0.5	124	359	3	19	4	68	1.65	12	< 10	26	< 0.5	2	0.70	8
1118002293	33.6	73.9	40.3	41.0	1.80	8.71	286	0.4	4.2	41	1120	1	18	29	969	1.52	21	< 10	39	< 0.5	< 2	2.84	5
1230032307	36.3	13.9	-22.4	41.0	0.340	8.64	299	0.4	< 0.5	40	298	2	14	< 2	47	2.38	13	< 10	53	< 0.5	< 2	1.12	6
1230032251	41.9	19.4	-22.5	45.9	0.421	8.59	544	1.3	0.7	158	402	3	12	6	233	2.84	19	< 10	43	< 0.5	2	0.57	6
1230032313	71.7	10.5	-61.1	77.5	0.136	8.28	244	0.5	< 0.5	80	309	3	16	3	43	1.94	16	< 10	32	< 0.5	6	0.66	8

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230015063	37.8	17.7	-20.1	41.3	0.427	8.60	48	< 0.2	< 0.5	32	504	1	22	< 2	184	1.77	3	< 10	45	< 0.5	< 2	0.98	6
1118003058	51.5	41.6	-9.98	59.4	0.700	8.65	870	2.9	7.4	67	820	< 1	16	566	1880	2.34	108	< 10	39	< 0.5	< 2	1.95	9
1118003150	34.3	22.7	-11.5	38.3	0.593	8.66	385	0.7	< 0.5	26	803	5	20	34	176	3.26	33	< 10	48	< 0.5	< 2	2.13	11
v845055							737	2.7	< 0.5	33	269	13	13	14	45	1.28	4	< 10	57	< 0.5	< 2	1.98	15
1229014162	61.1	15.7	-45.5	67.4	0.232	8.39	130	0.7	< 0.5	97	497	4	10	6	139	2.29	10	< 10	31	< 0.5	2	1.43	7
1229014054	6.25	13.5	7.27	6.13	2.21	8.71	25	< 0.2	< 0.5	116	756	< 1	58	< 2	49	5.33	3	< 10	17	< 0.5	< 2	3.64	25
1229014016	37.6	16.7	-20.9	41.7	0.401	8.70	154	0.2	< 0.5	27	654	2	12	12	129	1.98	16	< 10	52	< 0.5	< 2	1.35	14
1230037008	24.8	12.2	-12.6	28.5	0.429	8.76	188	0.7	< 0.5	173	501	< 1	16	4	123	1.91	10	< 10	56	< 0.5	< 2	0.96	9
1229014070	43.1	16.4	-26.7	48.1	0.342	8.59	86	< 0.2	< 0.5	77	627	< 1	21	3	111	2.18	10	< 10	40	< 0.5	< 2	1.43	11
1229014129	54.6	16.3	-38.2	60.0	0.272	8.51	46	0.5	1.4	106	455	3	10	< 2	470	1.27	10	< 10	31	< 0.5	< 2	1.07	7
1230031211	67.1	10.6	-56.4	73.8	0.144	8.37	124	0.5	< 0.5	126	417	< 1	18	< 2	98	2.35	22	< 10	31	< 0.5	3	0.76	10
1229014211	64.3	19.4	-44.9	71.7	0.270	8.29	97	0.6	0.8	128	640	2	21	6	296	2.63	8	< 10	27	< 0.5	< 2	1.56	9
1230031111	27.3	17.2	-10.1	30.0	0.572	8.81	120	0.2	< 0.5	31	538	< 1	9	< 2	142	1.98	5	< 10	59	< 0.5	< 2	0.89	7
1229016036	16.3	12.2	-4.04	15.9	0.767	8.60	10	< 0.2	< 0.5	31	584	< 1	8	< 2	148	3.99	5	15	57	< 0.5	< 2	1.26	7
1229016020	8.44	9.74	1.31	8.27	1.18	8.59	8	< 0.2	< 0.5	20	570	< 1	7	17	151	3.02	5	17	65	0.6	< 2	1.20	6
1230031216	17.3	15.2	-2.05	27.6	0.553	8.43	203	0.8	1.6	102	733	1	15	< 2	554	3.49	33	< 10	31	< 0.5	3	1.31	10
1118001084	25.6	15.0	-10.6	28.8	0.520	8.78	82	0.6	< 0.5	27	492	< 1	13	14	77	3.71	32	< 10	50	< 0.5	< 2	2.03	7
1118001013	56.9	11.5	-45.4	61.9	0.186	8.56	206	0.7	0.8	25	383	< 1	12	11	249	2.19	91	< 10	37	< 0.5	< 2	0.91	10
1230037006	50.1	13.1	-37.0	57.3	0.229	8.52	103	0.6	< 0.5	55	370	1	20	4	45	2.05	35	< 10	19	< 0.5	3	1.00	16
1229014139	51.1	22.3	-28.8	57.3	0.390	8.45	136	0.5	1.6	110	561	3	14	3	501	1.37	9	< 10	17	< 0.5	< 2	1.34	8
1229014184	53.0	13.2	-39.8	60.6	0.218	8.51	58	0.3	1.1	82	569	3	17	3	384	2.43	9	< 10	22	< 0.5	< 2	1.47	9
v845056							264	2.7	< 0.5	59	459	1	17	6	65	1.79	< 2	< 10	92	< 0.5	< 2	1.61	16
1229021324	65.5	19.1	-46.4	70.4	0.271	8.44	97	0.7	< 0.5	131	403	1	10	2	178	1.80	14	< 10	22	< 0.5	12	0.95	7
1229021166	39.5	15.5	-24.0	44.4	0.349	8.56	93	0.5	2.6	65	584	1	11	< 2	778	2.54	12	< 10	30	< 0.5	3	1.38	8
1118004103	82.8	22.2	-60.6	91.9	0.242	8.39	379	2.0	8.3	107	629	1	14	28	2180	1.12	95	< 10	15	< 0.5	4	1.02	7
1118004089	33.5	33.8	0.243	37.7	0.897	8.67	3860	1.2	2.3	52	993	1	9	48	636	1.51	53	< 10	28	< 0.5	< 2	1.54	6
1118004139	53.9	14.2	-39.7	60.0	0.237	8.54	2030	1.1	6.4	96	891	< 1	7	128	1830	1.95	67	< 10	23	< 0.5	3	1.13	6
1230032051	37.8	9.08	-28.7	37.1	0.245	8.47	23	0.3	< 0.5	40	229	1	10	2	84	1.56	7	< 10	30	< 0.5	3	0.85	6
1118004158	56.8	9.79	-47.0	67.7	0.145	8.40	257	1.4	21.1	74	712	< 1	10	21	5410	1.67	47	< 10	24	< 0.5	< 2	0.81	5
1229021248	60.0	6.19	-53.8	64.6	0.0959	8.37	3050	1.3	0.8	256	536	< 1	11	3	316	1.77	13	< 10	25	< 0.5	3	0.40	6
1229021293	56.2	12.9	-43.3	60.6	0.213	8.43	133	0.9	0.7	105	479	< 1	7	2	252	2.11	12	< 10	29	< 0.5	6	1.07	5
1229021452	58.6	16.9	-41.7	63.4	0.267	8.35	142	0.8	2.2	156	546	4	13	4	577	2.15	12	< 10	31	< 0.5	< 2	1.62	8
1230032032	49.7	12.1	-37.6	53.9	0.225	8.49	66	0.5	< 0.5	90	250	< 1	11	< 2	83	1.71	6	< 10	29	< 0.5	9	0.92	6
1229021052	49.4	15.9	-33.4	54.2	0.294	8.32	148	1.0	2.8	124	782	< 1	13	5	835	2.32	21	< 10	27	< 0.5	5	1.04	9
1229021124	50.9	10.1	-40.8	54.5	0.186	8.34	751	0.6	< 0.5	153	633	< 1	10	4	169	2.48	20	< 10	32	< 0.5	3	1.00	7
1229021021	46.1	19.3	-26.9	52.1	0.370	8.39	173	0.7	4.7	61	980	1	12	26	1440	2.88	14	< 10	34	< 0.5	3	1.54	9
1229021145	52.1	7.35	-44.7	56.3	0.130	8.39	70	0.3	1.1	23	660	< 1	11	< 2	404	3.24	15	< 10	31	< 0.5	4	1.43	7
1229021190	13.1	10.2	-2.92	12.9	0.793	8.75	178	0.3	< 0.5	95	635	< 1	10	2	140	2.26	2	< 10	44	< 0.5	< 2	0.71	5
1229021048	37.4	15.6	-21.8	40.1	0.388	8.49	211	0.4	< 0.5	74	665	1	12	3	147	2.49	14	< 10	40	< 0.5	< 2	1.35	7
1229021134	65.9	12.3	-53.6	73.2	0.168	8.32	709	2.1	5.8	202	589	< 1	14	4	1560	1.84	20	< 10	29	< 0.5	4	0.76	10
1230032110	59.7	17.0	-42.6	63.4	0.269	8.43	250	3.0	1.4	285	273	< 1	8	3	448	1.35	7	< 10	29	< 0.5	18	0.90	2
1229021097	56.3	14.6	-41.7	63.4	0.230	8.28	384	1.2	8.9	122	609	< 1	12	7	2440	2.04	16	< 10	27	< 0.5	3	0.74	9
1118004121	93.7	19.2	-74.5	102	0.188	8.40	467	2.2	7.0	65	592	< 1	9	209	2140	1.08	130	< 10	21	< 0.5	2	0.89	6
v845057							644	2.0	< 0.5	21	227	10	7	20	45	1.24	< 2	< 10	45	< 0.5	< 2	0.80	6
1230032039	52.3	16.4	-35.8	56.7	0.290	8.43	53	0.6	< 0.5	36	273	< 1	10	3	80	1.70	18	< 10	32	< 0.5	< 2	0.89	6
1118005027	29.8	28.7	-1.13	32.8	0.874	8.69	197	0.6	2.4	77	871	2	11	46	665	2.17	34	< 10	34	< 0.5	< 2	1.73	8
1231501080	53.1	17.0	-36.2	56.3	0.301	8.53	42	0.4	< 0.5	27	512	< 1	12	14	130	1.76	15	< 10	35	< 0.5	< 2	1.11	8
1118004001	42.4	15.1	-27.3	45.3	0.333	8.47	274	0.6	1.3	31	722	< 1	13	32	425	2.72	59	< 10	34	< 0.5	< 2	1.68	9
1118005006	40.7	6.12	-34.6	50.8	0.120	8.93	3200	4.2	16.1	148	889	< 1	8	892	4440	1.93	38	< 10	27	< 0.5	< 2	1.13	5

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2136012056	10.9	25.8	14.9	10.7	2.41	9.35	7	< 0.2	< 0.5	16	409	1	13	< 2	61	2.71	4	< 10	70	< 0.5	< 2	1.89	8
1118005001	55.3	19.3	-36.0	60.6	0.319	8.60	860	0.8	5.5	44	982	< 1	8	59	1730	1.42	62	< 10	27	< 0.5	< 2	0.96	5
1231025060	54.3	7.43	-46.8	57.9	0.128	8.44	1230	1.0	< 0.5	361	355	< 1	5	< 2	38	1.74	11	< 10	28	< 0.5	28	0.43	3
1231025408	29.1	11.3	-17.8	28.5	0.395	8.56	595	0.4	< 0.5	82	314	4	12	< 2	51	2.30	11	< 10	39	< 0.5	< 2	1.01	5
1231025115	42.2	16.7	-25.5	41.3	0.403	8.41	532	0.4	< 0.5	209	360	< 1	11	< 2	30	2.25	7	< 10	27	< 0.5	3	0.66	7
1229022001	3.44	8.97	5.53	3.37	2.66	9.06	8	< 0.2	< 0.5	118	462	< 1	48	< 2	94	5.40	< 2	< 10	16	< 0.5	< 2	3.46	21
1229022032	49.3	21.2	-28.0	52.7	0.403	8.64	100	0.6	1.6	98	417	4	16	< 2	509	1.17	9	< 10	29	< 0.5	< 2	0.94	7
1229022058	3.75	13.5	9.72	3.67	3.66	8.99	5	< 0.2	< 0.5	114	518	< 1	51	< 2	52	5.38	< 2	< 10	14	< 0.5	< 2	3.63	22
1230038226	17.5	17.0	-0.493	17.1	0.992	8.55	36	< 0.2	< 0.5	31	442	< 1	17	6	191	2.54	4	< 10	66	< 0.5	< 2	1.60	8
1230038204	16.6	19.8	3.24	16.2	1.22	8.60	35	< 0.2	< 0.5	44	491	< 1	16	7	104	2.85	9	< 10	49	< 0.5	< 2	1.70	8
1231025254	51.3	7.71	-43.6	54.5	0.141	8.28	828	1.3	< 0.5	198	396	9	11	< 2	40	2.24	10	< 10	32	< 0.5	2	0.89	6
1231025190	57.5	1.02	-56.5	60.3	0.0169	8.21	179	0.7	< 0.5	110	337	5	12	< 2	42	2.34	18	< 10	29	< 0.5	5	0.64	5
1231025292	42.5	6.42	-36.1	45.0	0.143	8.47	62	0.6	< 0.5	201	305	6	11	2	36	2.08	7	< 10	33	< 0.5	2	0.80	6
1229022087	47.7	10.9	-36.8	51.5	0.212	8.70	118	0.4	< 0.5	112	388	3	13	3	67	1.24	12	< 10	36	< 0.5	2	1.30	7
1229022070	63.5	30.1	-33.4	68.3	0.441	8.41	136	0.5	< 0.5	103	333	3	12	4	117	1.18	12	< 10	27	< 0.5	5	0.63	8
v845058							1130	3.7	< 0.5	20	147	8	5	< 2	25	0.70	< 2	< 10	23	< 0.5	< 2	0.63	5
1118003284	29.1	10.5	-18.6	28.5	0.368	8.75	286	0.4	< 0.5	27	805	1	12	22	149	3.47	25	< 10	40	< 0.5	< 2	1.91	8
1118003231	57.9	21.1	-36.8	62.2	0.339	8.65	1270	1.4	0.6	108	811	< 1	19	31	215	1.81	61	< 10	35	< 0.5	< 2	0.94	8
1118003265	42.4	14.5	-27.9	45.9	0.316	8.60	696	1.7	0.8	102	768	< 1	11	43	253	1.70	48	< 10	30	< 0.5	< 2	0.71	7
1231501041	0.515	30.5	30.0	4.29	7.12	9.32	6	< 0.2	< 0.5	14	393	< 1	10	12	85	3.52	4	< 10	76	< 0.5	< 2	2.69	6
1231501106	10.0	8.26	-1.74	9.80	0.842	9.09	17	< 0.2	< 0.5	19	414	< 1	13	11	106	3.11	6	< 10	48	< 0.5	< 2	1.54	8
1231501170	13.1	30.5	17.4	12.9	2.37	9.01	13	0.2	< 0.5	18	400	< 1	12	39	111	2.33	7	< 10	55	< 0.5	< 2	2.07	8
1231501213	5.63	6.71	1.09	5.51	1.22	9.12	12	< 0.2	< 0.5	25	596	< 1	10	5	99	3.64	5	< 10	47	< 0.5	< 2	1.78	6
1231501217	44.8	17.3	-27.5	48.4	0.357	8.62	81	0.6	< 0.5	31	501	1	14	27	128	2.77	30	< 10	39	< 0.5	< 2	1.77	8
1231501188	38.8	6.32	-32.4	38.0	0.166	8.67	45	0.4	< 0.5	28	469	< 1	11	20	106	4.21	20	< 10	41	< 0.5	< 2	2.30	7
1230045173	14.7	16.4	1.67	14.4	1.14	8.92	80	0.2	< 0.5	71	418	2	20	20	107	1.36	4	< 10	40	< 0.5	< 2	0.99	9
1229010063	3.44	8.69	5.25	3.37	2.58	8.56	7	< 0.2	< 0.5	115	614	< 1	51	< 2	46	5.88	3	< 10	24	< 0.5	< 2	3.83	23
1229010120	44.4	76.1	31.7	49.3	1.54	8.70	192	3.0	1.6	23	1640	< 1	10	298	463	0.82	87	< 10	26	< 0.5	< 2	2.57	7
1229010194	27.4	29.8	2.37	30.3	0.982	8.65	36	1.5	1.4	37	1030	< 1	14	20	445	1.56	25	< 10	37	< 0.5	< 2	1.41	9
1229015315	50.6	22.8	-27.8	54.5	0.419	8.61	51	0.4	0.6	80	379	3	9	< 2	221	1.16	8	< 10	31	< 0.5	< 2	1.10	7
1229015269	36.7	40.3	3.68	40.1	1.01	8.70	169	0.4	< 0.5	94	645	3	11	2	208	1.63	6	< 10	33	< 0.5	< 2	1.87	7
1230031723	54.6	11.9	-42.7	58.5	0.203	8.69	357	1.6	< 0.5	332	351	1	9	4	83	2.17	11	< 10	29	< 0.5	27	0.94	7
1229015301	40.6	18.0	-22.6	43.8	0.411	8.72	64	0.4	0.7	105	546	4	14	< 2	296	1.29	8	< 10	46	< 0.5	< 2	0.84	8
1229015235	43.5	24.1	-19.4	48.7	0.496	8.52	342	0.4	4.7	89	669	2	11	< 2	1200	1.84	8	< 10	37	< 0.5	< 2	1.45	7
1229015281	37.6	24.3	-13.3	41.7	0.584	8.77	121	0.4	0.6	84	520	4	11	8	236	1.22	8	< 10	38	< 0.5	< 2	1.17	8
1230031763	36.7	13.4	-23.3	40.1	0.334	8.71	178	0.2	< 0.5	44	526	2	9	< 2	229	2.60	19	< 10	43	< 0.5	< 2	1.41	8
1229010054	38.9	14.2	-24.8	43.8	0.323	8.35	207	2.8	4.5	87	751	1	9	32	1320	2.98	14	12	32	< 0.5	3	1.13	7
v845059							1610	9.2	< 0.5	49	355	20	13	7	53	1.70	< 2	< 10	77	< 0.5	< 2	1.21	13
1118005010	24.4	14.1	-10.3	28.5	0.495	8.51	188	0.5	3.8	41	659	< 1	9	20	1040	2.45	33	< 10	29	< 0.5	< 2	1.36	6
1230038113	16.3	8.79	-7.46	15.9	0.552	8.49	109	0.4	< 0.5	42	524	< 1	8	6	271	2.05	8	< 10	34	< 0.5	< 2	0.63	7
1229021074	65.5	8.34	-57.2	70.4	0.118	8.67	133	0.4	1.0	73	431	< 1	11	< 2	341	2.09	14	< 10	26	< 0.5	8	0.60	7
1230038147	35.4	19.5	-15.9	38.3	0.510	8.55	69	0.6	0.6	91	480	4	16	4	234	1.41	7	< 10	38	< 0.5	< 2	1.03	8
1230032076	53.8	9.58	-44.3	58.8	0.163	8.57	85	0.8	< 0.5	136	306	< 1	9	< 2	242	1.62	6	< 10	24	< 0.5	5	0.80	4
2136012092	9.69	8.80	-0.892	9.49	0.926	9.23	9	0.2	< 0.5	17	355	< 1	11	2	46	1.92	4	< 10	49	< 0.5	< 2	0.89	7
2136012104	7.81	15.2	7.34	7.66	1.98	8.34	6	< 0.2	< 0.5	13	403	2	13	5	65	3.90	< 2	< 10	77	< 0.5	< 2	2.14	8
1230032077	74.6	8.53	-66.0	79.0	0.108	8.35	128	0.9	< 0.5	121	247	< 1	12	3	133	1.57	9	< 10	20	< 0.5	6	0.65	7
1230032075	57.5	8.20	-49.3	61.9	0.132	8.40	84	0.9	1.2	132	305	< 1	11	< 2	423	1.71	8	< 10	25	< 0.5	6	0.71	5
1229021109	22.4	13.8	-8.61	25.4	0.542	8.71	492	1.4	< 0.5	315	667	< 1	13	< 2	141	2.47	3	< 10	32	< 0.5	3	0.99	4
1230038028	40.1	8.98	-31.1	43.5	0.207	8.39	87	0.5	< 0.5	58	455	1	14	8	149	1.60	11	< 10	31	< 0.5	< 2	0.68	9

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1118004117	70.4	8.32	-62.1	80.8	0.103	8.42	478	2.1	13.9	70	547	< 1	11	176	4320	1.12	109	< 10	20	< 0.5	< 2	0.70	6
1231501013	16.6	13.5	-3.04	16.2	0.833	9.11	28	0.3	< 0.5	20	411	< 1	14	9	142	2.85	6	< 10	60	< 0.5	< 2	1.63	7
1229021036	14.1	18.3	4.25	13.8	1.33	9.11	67	< 0.2	< 0.5	37	482	< 1	11	3	79	1.86	5	< 10	47	< 0.5	< 2	1.05	6
2136012012	14.4	30.2	15.9	14.1	2.15	9.35	6	< 0.2	< 0.5	16	419	2	15	< 2	75	2.29	6	< 10	55	< 0.5	< 2	1.90	7
2136012068	3.75	7.41	3.66	3.67	2.02	9.40	< 5	< 0.2	< 0.5	8	335	< 1	13	3	62	3.13	3	< 10	64	< 0.5	< 2	1.61	8
1230032155	5.63	8.50	2.87	5.51	1.54	8.78	8	< 0.2	< 0.5	100	453	< 1	43	< 2	56	4.74	< 2	< 10	21	< 0.5	< 2	3.12	20
v845060							763	2.8	< 0.5	31	267	16	11	14	42	1.31	< 2	< 10	56	< 0.5	< 2	1.97	8
1229010110	33.2	6.43	-26.8	37.1	0.174	8.33	98	0.9	1.7	42	859	< 1	10	27	706	2.02	13	< 10	33	< 0.5	< 2	0.54	8
1229010205	26.9	21.4	-5.44	26.3	0.814	8.31	142	1.6	1.5	54	603	< 1	10	20	532	2.62	6	< 10	35	< 0.5	< 2	1.30	7
1229010001	48.7	6.54	-42.2	52.1	0.126	8.26	458	0.8	0.9	114	591	< 1	9	15	409	1.96	18	< 10	29	< 0.5	4	0.51	6
1230045126	104	12.7	-91.2	112	0.113	8.28	542	2.3	0.9	566	330	< 1	16	< 2	247	1.43	11	< 10	14	< 0.5	5	0.66	3
1229015333	57.0	28.5	-28.4	63.1	0.452	8.73	182	0.5	3.4	125	516	4	16	2	968	1.22	11	< 10	25	< 0.5	< 2	1.21	8
1230031773	57.7	18.3	-39.4	62.5	0.294	8.64	50	0.7	< 0.5	164	232	< 1	8	< 2	67	1.72	7	< 10	27	< 0.5	3	1.21	7
1229021428	64.8	15.7	-49.1	70.1	0.223	8.47	105	0.6	1.4	166	451	< 1	10	3	391	2.66	29	< 10	27	< 0.5	< 2	1.53	6
1229021498	75.1	16.6	-58.5	80.8	0.206	8.57	116	0.3	< 0.5	47	471	< 1	11	< 2	55	2.58	11	< 10	24	< 0.5	2	1.29	7
1229021514	79.1	9.26	-69.8	84.8	0.109	8.32	71	0.6	< 0.5	23	428	< 1	11	3	56	3.09	4	< 10	23	< 0.5	5	1.34	6
1229021554	53.8	31.3	-22.5	59.1	0.529	8.46	139	0.3	1.0	82	524	3	13	< 2	371	1.82	10	< 10	32	< 0.5	< 2	2.05	9
1229021535	85.6	16.2	-69.4	92.2	0.176	8.24	485	2.0	0.6	242	525	2	13	4	200	1.84	46	< 10	20	< 0.5	8	0.87	8
1229021472	77.6	16.3	-61.3	82.7	0.197	8.17	106	0.3	< 0.5	35	477	< 1	9	3	56	2.78	7	< 10	22	< 0.5	4	1.31	6
1229021525	65.7	9.49	-56.2	70.4	0.135	8.32	60	0.2	< 0.5	30	435	< 1	9	< 2	75	2.82	12	11	24	< 0.5	< 2	1.10	6
1229021403	63.6	12.7	-51.0	69.2	0.183	8.38	152	0.8	1.1	152	454	2	12	4	325	2.75	23	< 10	32	< 0.5	4	1.27	7
1230032166	60.5	15.2	-45.3	65.5	0.231	8.45	369	1.5	< 0.5	430	273	< 1	12	3	87	1.35	8	< 10	27	< 0.5	9	0.86	6
1230032136	31.9	20.1	-11.8	34.6	0.581	8.79	257	0.3	< 0.5	70	391	< 1	15	< 2	75	1.45	6	< 10	48	< 0.5	< 2	1.21	9
1229021415	109	20.1	-89.1	115	0.175	7.90	204	0.4	< 0.5	36	374	< 1	10	6	51	1.38	13	< 10	19	< 0.5	10	0.90	5
v845061							606	1.9	< 0.5	20	225	9	7	20	46	1.23	< 2	< 10	48	< 0.5	< 2	0.80	5
1229021374	62.9	14.4	-48.5	67.7	0.213	8.21	95	0.6	1.8	79	431	2	10	8	531	1.81	14	< 10	26	< 0.5	< 2	1.05	7
1230032043	50.6	17.3	-33.3	55.1	0.315	8.32	37	0.2	< 0.5	22	297	< 1	9	< 2	58	2.12	13	< 10	33	< 0.5	< 2	1.11	7
1229021406	57.5	10.1	-47.4	61.6	0.164	8.20	101	0.5	1.0	128	439	< 1	10	< 2	389	2.82	9	< 10	29	< 0.5	< 2	1.26	6
1229021327	66.2	17.8	-48.5	71.7	0.248	8.27	203	0.5	< 0.5	184	437	1	10	< 2	113	2.13	16	< 10	29	< 0.5	5	1.10	7
1229021420	104	8.27	-95.9	110	0.0752	7.88	152	0.3	< 0.5	28	373	< 1	12	3	53	1.61	9	< 10	20	< 0.5	5	0.50	7
1229021338	115	9.11	-106	122	0.0750	7.99	182	0.6	< 0.5	30	337	< 1	10	4	123	1.28	17	< 10	17	< 0.5	9	0.39	6
1230032001	46.2	8.28	-38.0	49.9	0.166	8.25	28	< 0.2	< 0.5	12	222	1	10	< 2	52	1.81	4	< 10	31	< 0.5	< 2	0.70	7
1118004005	55.3	28.2	-27.1	64.9	0.435	8.39	1120	1.4	11.2	127	854	< 1	10	128	3190	1.68	52	< 10	25	< 0.5	< 2	1.13	5
1229021312	65.8	12.5	-53.3	71.4	0.175	8.49	96	1.0	2.6	114	392	< 1	6	3	784	1.98	22	< 10	28	< 0.5	4	1.06	5
1229021202	37.7	20.8	-16.9	41.0	0.506	8.48	146	0.6	0.8	132	738	< 1	11	3	283	3.37	10	< 10	41	< 0.5	< 2	1.99	6
1118004014	60.2	38.6	-21.6	64.9	0.595	8.47	232	1.1	1.9	27	789	1	13	27	515	0.83	89	< 10	23	< 0.5	< 2	1.39	8
1118004041	39.9	26.7	-13.2	45.0	0.594	8.63	559	1.1	4.9	56	864	< 1	8	192	1360	1.76	59	< 10	34	< 0.5	< 2	1.22	6
1118004058	36.1	46.3	10.2	42.3	1.10	8.74	581	1.0	8.5	62	960	< 1	14	63	2180	1.65	43	< 10	37	0.7	< 2	1.90	10
1118004085	76.0	10.8	-65.3	81.2	0.133	8.24	434	1.4	5.1	81	437	1	11	15	1300	0.88	145	< 10	21	< 0.5	3	0.56	7
1118004129	87.1	5.44	-81.6	92.2	0.0590	7.93	1050	3.6	3.0	173	319	1	12	16	764	0.83	107	< 10	21	< 0.5	< 2	0.27	8
1230031720	47.0	12.4	-34.6	49.9	0.248	8.31	933	0.5	< 0.5	66	439	< 1	13	2	143	2.34	16	< 10	36	< 0.5	< 2	0.96	7
1229021257	48.5	15.2	-33.4	53.0	0.286	8.34	1810	1.4	< 0.5	344	516	< 1	10	6	79	2.62	11	< 10	31	< 0.5	12	1.04	5
1118004125	48.4	24.3	-24.1	58.8	0.413	8.46	728	1.7	19.4	101	1010	< 1	9	40	4920	1.97	48	< 10	27	< 0.5	< 2	1.25	6
1229021205	49.2	17.9	-31.2	53.6	0.335	8.45	211	0.7	1.2	147	673	< 1	9	2	440	2.92	15	< 10	35	< 0.5	2	1.43	6
v845062							258	2.8	< 0.5	57	451	1	18	5	65	1.81	< 2	< 10	94	< 0.5	< 2	1.57	15

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
1230045029	177	3.22	< 10	< 1	0.39	15	1.68	0.098	0.040	1.60	3	1	31	0.01	< 1	< 2	< 10	15	< 10	2	15	0.03	1.62
1229010262	337	5.34	< 10	3	0.06	< 10	2.32	0.679	0.021	0.08	< 2	8	66	0.27	2	< 2	< 10	154	< 10	5	5	0.31	0.09
1230045067	180	3.02	< 10	< 1	0.33	15	1.26	0.100	0.039	1.81	< 2	1	32	0.03	< 1	< 2	< 10	13	< 10	2	17	0.08	1.96
1118003030	162	2.67	< 10	< 1	0.57	14	0.87	0.045	0.054	2.24	2	2	44	< 0.01	2	< 2	< 10	17	< 10	2	15	0.48	2.32
1229010133	84	3.03	< 10	< 1	0.54	13	0.69	0.064	0.041	2.93	8	1	36	< 0.01	< 1	< 2	< 10	11	< 10	3	15	0.65	2.98
1118003228	166	4.44	< 10	< 1	0.55	11	1.16	0.038	0.038	2.87	4	1	22	0.02	3	< 2	< 10	13	< 10	2	17	0.42	2.98
1118003040	190	2.55	< 10	< 1	0.49	13	0.98	0.054	0.039	2.15	3	< 1	29	< 0.01	< 1	< 2	< 10	9	< 10	2	15	0.80	2.22
1230045081	139	5.33	< 10	< 1	0.09	< 10	2.53	0.652	0.026	0.16	2	9	73	0.23	1	< 2	< 10	148	< 10	5	4	0.16	0.17
1230045080	99	5.15	< 10	4	0.06	< 10	2.54	0.603	0.024	0.12	3	10	71	0.22	< 1	< 2	< 10	141	< 10	5	4	0.15	0.15
1229010195	58	2.03	< 10	< 1	0.36	14	0.95	0.045	0.037	1.09	< 2	1	33	0.03	< 1	< 2	< 10	12	< 10	2	13	0.29	1.16
1229010138	49	2.07	< 10	< 1	0.22	14	0.77	0.048	0.045	1.71	< 2	< 1	31	< 0.01	< 1	< 2	< 10	4	< 10	2	9	0.84	1.81
1229010245	72	1.90	< 10	< 1	0.31	12	1.53	0.066	0.031	0.50	< 2	2	57	0.07	< 1	< 2	< 10	18	< 10	2	12	0.16	0.48
1118003038	70	1.97	< 10	< 1	0.27	13	1.01	0.036	0.042	1.49	< 2	< 1	26	< 0.01	< 1	< 2	< 10	6	< 10	2	8	0.70	1.40
1118003105	77	3.97	< 10	< 1	0.23	14	1.38	0.043	0.042	2.73	2	< 1	19	< 0.01	< 1	< 2	< 10	9	< 10	2	18	0.29	2.69
1118003101	115	3.67	< 10	< 1	0.19	13	1.06	0.033	0.036	2.64	< 2	< 1	16	< 0.01	< 1	< 2	< 10	8	< 10	2	16	0.33	2.74
1229015099	88	2.40	< 10	< 1	0.16	14	0.86	0.202	0.040	1.66	< 2	1	82	0.02	< 1	< 2	< 10	15	< 10	3	17	0.13	1.50
1229015200	164	2.24	< 10	< 1	0.16	13	0.93	0.074	0.039	1.40	< 2	2	26	0.01	< 1	< 2	< 10	18	< 10	3	16	0.30	1.45
1231501196	73	2.36	< 10	< 1	0.21	21	0.97	0.347	0.044	0.23	< 2	1	161	0.05	< 1	< 2	< 10	16	< 10	2	5	0.17	0.23
1229015135	129	2.29	< 10	< 1	0.26	13	0.80	0.083	0.040	1.70	< 2	2	26	0.05	3	< 2	< 10	18	< 10	3	21	0.19	1.73
v845051	13	3.48	< 10	< 1	0.23	11	0.58	0.331	0.059	0.05	< 2	4	42	0.48	2	< 2	< 10	101	< 10	17	27	< 0.01	0.06
1118002053	160	2.18	< 10	< 1	0.35	12	1.56	0.088	0.037	1.00	< 2	1	55	< 0.01	< 1	< 2	< 10	12	< 10	2	9	0.88	1.10
1118002169	126	2.60	< 10	< 1	0.47	18	1.02	0.086	0.054	1.76	2	1	43	< 0.01	< 1	< 2	< 10	12	< 10	2	7	0.82	1.73
1118002187	180	2.61	< 10	< 1	0.49	23	0.57	0.061	0.058	2.42	4	1	21	< 0.01	2	< 2	< 10	9	< 10	3	10	0.34	2.34
1118002206	200	2.69	< 10	< 1	0.40	13	1.11	0.045	0.044	1.87	2	< 1	26	< 0.01	< 1	< 2	< 10	9	< 10	2	13	0.80	1.87
1118002163	158	2.42	< 10	< 1	0.52	18	1.13	0.050	0.051	1.39	2	1	26	< 0.01	1	< 2	< 10	11	< 10	2	5	0.71	1.37
1118002256	305	2.58	< 10	< 1	0.39	18	0.97	0.090	0.049	1.57	3	1	47	< 0.01	1	< 2	< 10	11	< 10	3	7	0.49	1.47
1229014206	504	3.32	< 10	< 1	0.26	14	1.07	0.209	0.040	2.14	3	2	153	0.04	< 1	< 2	< 10	19	< 10	2	15	0.42	2.16
1229016187	132	2.83	< 10	< 1	0.36	15	1.06	0.135	0.046	2.82	2	< 1	59	< 0.01	< 1	< 2	< 10	10	< 10	2	17	0.10	2.79
1229015002	437	2.79	< 10	< 1	0.20	14	0.90	0.127	0.039	1.90	< 2	2	38	< 0.01	1	< 2	< 10	16	< 10	3	12	0.49	1.92
1229014300	368	2.90	< 10	< 1	0.29	13	1.20	0.137	0.042	2.65	2	1	47	< 0.01	3	< 2	< 10	12	< 10	2	21	0.08	2.61
1230032237	182	4.30	< 10	< 1	0.31	14	1.93	0.117	0.042	2.34	3	2	51	0.03	2	< 2	< 10	22	< 10	3	17	0.10	2.43
1230032261	184	4.46	< 10	< 1	0.09	< 10	1.95	0.673	0.023	0.22	< 2	7	62	0.22	3	< 2	< 10	131	< 10	4	5	0.09	0.23
1230032295	277	3.24	< 10	< 1	0.35	14	1.29	0.093	0.046	2.66	2	1	33	0.01	1	< 2	< 10	13	< 10	2	22	0.18	2.76
1118002264	256	2.73	< 10	1	0.42	< 10	1.13	0.048	0.042	2.67	5	< 1	29	< 0.01	< 1	< 2	< 10	8	< 10	2	17	0.84	2.76
1230032214	167	3.64	< 10	< 1	0.45	12	1.17	0.110	0.039	2.53	< 2	1	32	< 0.01	2	< 2	< 10	11	< 10	2	16	0.09	2.52
1229014290	272	2.94	< 10	< 1	0.35	15	1.10	0.209	0.044	2.35	2	2	62	0.04	< 1	< 2	< 10	18	< 10	3	18	0.20	2.31
1230032201	263	4.12	< 10	< 1	0.37	32	1.64	0.097	0.109	1.87	< 2	4	56	0.07	3	< 2	< 10	41	< 10	5	8	0.23	1.87
1230032198	187	3.41	< 10	< 1	0.39	15	1.59	0.104	0.042	1.79	< 2	2	39	0.03	< 1	< 2	< 10	24	< 10	3	17	0.14	1.83
v845052	11	2.12	< 10	< 1	0.19	21	0.27	0.258	0.035	0.03	2	2	40	0.33	5	< 2	< 10	44	< 10	17	29	0.03	0.03
1229016061	186	2.53	< 10	< 1	0.25	16	1.30	0.141	0.050	0.82	< 2	1	154	< 0.01	< 1	< 2	< 10	16	< 10	2	6	0.18	0.84
1118001087	152	1.81	< 10	< 1	0.30	13	1.00	0.178	0.037	0.76	< 2	< 1	79	< 0.01	< 1	< 2	< 10	10	< 10	3	9	0.21	0.77
1118001011	218	2.38	< 10	< 1	0.37	18	0.92	0.103	0.044	1.62	3	1	59	< 0.01	1	< 2	< 10	11	< 10	3	7	0.29	1.66
1230031022	273	2.67	< 10	< 1	0.33	14	1.67	0.292	0.040	0.84	< 2	2	182	0.06	< 1	< 2	< 10	21	< 10	3	14	0.11	0.91
1230031052	168	2.45	< 10	< 1	0.48	37	0.96	0.091	0.058	1.47	5	< 1	100	< 0.01	2	< 2	< 10	10	< 10	4	5	0.41	1.45
1229014190	157	4.92	10	< 1	0.04	< 10	2.28	0.769	0.019	0.08	< 2	7	75	0.23	3	< 2	< 10	144	< 10	4	4	0.06	0.09
1229016092	200	4.06	< 10	< 1	0.27	16	1.28	0.092	0.051	1.81	< 2	2	116	< 0.01	3	< 2	< 10	17	< 10	2	12	0.06	1.85
1230031098	194	2.73	< 10	< 1	0.33	32	1.19	0.088	0.058	1.24	< 2	2	100	0.02	< 1	< 2	< 10	19	< 10	5	4	0.38	1.24
1230031017	159	2.73	< 10	< 1	0.27	18	1.34	0.173	0.050	1.68	2	1	70	< 0.01	2	< 2	< 10	19	< 10	3	5	0.15	1.69
1118001046	221	2.17	< 10	< 1	0.40	14	1.54	0.143	0.042	0.68	2	1	81	0.01	2	< 2	< 10	17	< 10	3	3	0.43	0.69
1118001097	202	2.17	< 10	< 1	0.46	16	1.28	0.160	0.049	0.63	< 2	2	82	0.02	< 1	< 2	< 10	20	< 10	3	3	0.58	0.62
1229016045	156	2.16	< 10	< 1	0.31	17	1.14	0.093	0.057	0.74	< 2	1	71	< 0.01	< 1	< 2	< 10	13	< 10	2	2	0.20	0.77

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
1229016144	229	3.28	< 10	< 1	0.28	16	1.12	0.186	0.043	2.56	< 2	1	103	< 0.01	< 1	< 2	< 10	15	< 10	2	17	0.09	2.68
1229016143	294	3.38	< 10	< 1	0.30	15	1.13	0.232	0.042	2.85	< 2	1	126	0.01	4	< 2	< 10	14	< 10	2	18	0.15	2.85
1229014250	267	3.22	< 10	< 1	0.30	23	1.50	0.253	0.055	2.49	2	3	90	0.04	2	< 2	< 10	31	< 10	4	18	0.32	2.51
1229014273	178	4.76	< 10	3	0.06	< 10	2.25	0.680	0.019	0.12	2	7	71	0.22	4	< 2	< 10	135	< 10	4	3	0.10	0.13
v845053	13	3.85	< 10	< 1	0.44	29	0.84	0.243	0.092	0.08	< 2	6	53	0.46	4	< 2	< 10	122	< 10	24	17	0.10	0.08
1230032174	180	3.63	< 10	< 1	0.21	< 10	1.41	0.353	0.036	0.91	< 2	4	61	0.13	< 1	< 2	< 10	72	< 10	4	9	0.13	0.98
1230031816	132	3.38	< 10	< 1	0.40	20	1.19	0.107	0.048	2.45	< 2	1	57	< 0.01	2	< 2	< 10	12	< 10	2	17	0.16	2.47
1229015115	542	2.77	< 10	< 1	0.22	14	0.95	0.130	0.039	1.57	3	2	45	< 0.01	< 1	< 2	< 10	17	< 10	3	5	0.56	1.52
1229015187	239	2.55	< 10	< 1	0.24	13	1.04	0.240	0.040	1.67	< 2	2	73	0.02	< 1	< 2	< 10	17	< 10	3	15	0.15	1.64
1118003112	115	2.88	< 10	< 1	0.55	< 10	1.26	0.040	0.041	2.24	3	1	32	< 0.01	< 1	< 2	< 10	12	< 10	2	11	0.50	2.31
1118003181	275	3.11	< 10	< 1	0.40	15	1.05	0.073	0.043	2.52	4	1	35	< 0.01	1	< 2	< 10	11	< 10	3	18	0.27	2.54
1230031727	231	2.77	< 10	< 1	0.36	11	1.52	0.136	0.035	1.91	< 2	1	52	0.02	1	< 2	< 10	12	< 10	2	18	0.12	1.91
1118003047	156	2.14	< 10	< 1	0.51	< 10	0.53	0.047	0.041	2.03	2	< 1	32	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.98	1.93
1118003142	139	5.40	< 10	3	0.47	< 10	1.06	0.036	0.039	5.12	4	1	16	< 0.01	6	< 2	< 10	11	< 10	2	16	0.26	5.21
1229015149	412	2.56	< 10	< 1	0.23	15	0.90	0.179	0.039	1.10	2	1	47	< 0.01	< 1	< 2	< 10	15	< 10	3	3	0.34	1.09
2136011090	288	2.55	10	< 1	0.53	17	1.28	0.456	0.047	0.10	< 2	4	280	0.08	2	< 2	< 10	38	< 10	3	7	0.07	0.10
2137504146	157	2.48	10	< 1	0.48	24	1.37	0.382	0.065	0.04	< 2	3	277	0.09	2	< 2	< 10	37	< 10	4	6	0.14	0.04
1118002086	166	2.46	< 10	2	0.56	< 10	1.07	0.051	0.043	2.24	5	1	53	< 0.01	3	< 2	< 10	10	< 10	2	10	1.13	2.19
1230031772	275	2.83	< 10	< 1	0.36	15	0.84	0.224	0.039	2.60	< 2	< 1	81	0.02	3	< 2	< 10	11	< 10	2	14	0.17	2.64
1118002082	133	2.14	< 10	< 1	0.51	< 10	1.22	0.044	0.039	1.54	< 2	< 1	45	< 0.01	< 1	< 2	< 10	9	< 10	2	12	0.84	1.50
1229010322	261	2.63	10	< 1	0.29	26	0.95	0.106	0.063	0.74	< 2	1	101	0.05	4	< 2	< 10	16	< 10	2	2	0.31	0.75
1229010264	287	5.10	10	1	0.06	< 10	2.21	0.816	0.021	0.10	2	9	69	0.22	< 1	< 2	< 10	148	< 10	5	4	0.32	0.11
1230045003	218	3.18	< 10	< 1	0.31	18	1.13	0.180	0.044	1.93	2	1	57	0.02	< 1	< 2	< 10	14	< 10	2	17	0.13	1.86
1229010021	117	2.55	< 10	< 1	0.42	16	0.52	0.061	0.050	2.55	3	< 1	23	< 0.01	< 1	< 2	< 10	9	< 10	3	10	0.39	2.36
1230045036	130	4.87	< 10	< 1	0.06	< 10	2.27	0.672	0.019	0.11	2	7	68	0.24	< 1	< 2	< 10	146	< 10	4	3	0.09	0.13
v845054	9	1.50	< 10	< 1	0.09	< 10	0.14	0.192	0.032	0.02	< 2	1	23	0.29	6	< 2	< 10	38	< 10	8	19	0.03	0.02
1230032245	228	3.54	< 10	< 1	0.35	13	1.58	0.087	0.040	1.63	< 2	2	29	0.02	< 1	< 2	< 10	19	< 10	3	16	0.10	1.70
1230032367	446	3.02	< 10	< 1	0.23	14	1.05	0.103	0.041	1.93	3	2	24	0.01	1	< 2	< 10	18	< 10	3	17	0.19	1.90
1229015015	542	2.72	< 10	< 1	0.22	12	0.82	0.126	0.038	2.09	3	1	35	0.02	< 1	< 2	< 10	15	< 10	3	11	0.52	2.02
1230032365	412	2.73	< 10	< 1	0.20	14	1.05	0.108	0.038	1.81	3	2	38	< 0.01	1	< 2	< 10	16	< 10	3	18	0.31	1.82
1230032309	296	2.72	< 10	< 1	0.28	18	0.95	0.243	0.045	1.65	3	1	84	0.02	2	< 2	< 10	15	< 10	2	9	0.15	1.59
1118002043	139	1.97	< 10	1	0.43	10	0.99	0.085	0.034	1.16	< 2	< 1	50	< 0.01	< 1	< 2	< 10	8	< 10	2	8	0.99	1.11
1118002123	135	2.81	< 10	< 1	0.46	21	0.82	0.071	0.056	2.32	2	1	38	< 0.01	< 1	< 2	< 10	11	< 10	3	6	0.69	2.23
1229015043	339	2.09	< 10	< 1	0.24	15	0.75	0.125	0.039	0.55	2	1	38	0.04	< 1	< 2	< 10	16	< 10	3	5	0.30	0.56
1229015036	334	2.49	< 10	< 1	0.27	14	0.75	0.120	0.037	1.14	3	1	52	0.01	< 1	< 2	< 10	12	< 10	3	4	0.65	1.11
1230032377	187	2.71	< 10	< 1	0.31	13	1.78	0.070	0.039	0.83	< 2	1	26	0.03	1	< 2	< 10	17	< 10	2	9	0.09	0.88
1230032392	278	2.53	< 10	< 1	0.33	18	0.92	0.096	0.045	1.23	< 2	1	37	0.06	< 1	< 2	< 10	17	< 10	2	17	0.13	1.22
1118002056	221	1.84	< 10	< 1	0.37	12	0.95	0.098	0.038	0.72	2	< 1	57	< 0.01	< 1	< 2	< 10	9	< 10	2	8	0.75	0.72
1230031180	244	4.41	< 10	< 1	0.37	11	2.04	0.149	0.045	2.46	2	3	71	0.06	< 1	< 2	< 10	37	< 10	4	21	0.20	2.56
1230032323	316	2.52	< 10	< 1	0.27	14	1.02	0.131	0.041	2.02	3	1	54	< 0.01	2	< 2	< 10	12	< 10	2	16	0.22	2.06
1118002050	155	2.46	< 10	1	0.40	19	1.29	0.078	0.052	1.19	2	1	41	< 0.01	< 1	< 2	< 10	13	< 10	3	9	0.90	1.19
1118002236	257	2.20	< 10	< 1	0.46	< 10	1.06	0.048	0.041	1.92	3	< 1	31	< 0.01	< 1	< 2	< 10	8	< 10	2	16	0.89	1.88
1230032340	407	3.00	< 10	< 1	0.31	15	1.05	0.115	0.041	1.93	3	2	37	0.03	2	< 2	< 10	19	< 10	3	19	0.18	1.97
1118002293	393	2.16	< 10	< 1	0.35	11	1.11	0.041	0.038	1.32	3	< 1	23	< 0.01	< 1	< 2	< 10	8	< 10	2	11	0.93	1.34
1230032307	212	2.65	< 10	< 1	0.31	18	1.10	0.238	0.044	1.31	3	2	93	0.04	< 1	< 2	< 10	18	< 10	2	16	0.20	1.34
1230032251	169	3.36	< 10	< 1	0.34	14	1.90	0.105	0.042	1.40	< 2	1	39	0.02	2	< 2	< 10	17	< 10	2	17	0.10	1.50
1230032313	349	3.49	< 10	< 1	0.26	15	1.28	0.136	0.039	2.53	3	1	53	< 0.01	< 1	< 2	< 10	14	< 10	3	18	0.14	2.53
1230015063	560	2.57	< 10	< 1	0.18	15	0.94	0.162	0.042	1.34	< 2	1	50	< 0.01	< 1	< 2	< 10	14	< 10	3	16	0.37	1.35
1118003058	211	2.96	< 10	< 1	0.47	21	1.07	0.081	0.056	1.93	3	1	48	0.02	2	< 2	< 10	14	< 10	3	18	0.49	1.94
1118003150	279	3.05	< 10	< 1	0.34	24	1.38	0.104	0.058	1.26	< 2	2	101	0.05	< 1	< 2	< 10	19	< 10	4	14	0.26	1.25
v845055	12	3.10	< 10	< 1	0.26	16	0.47	0.215	0.047	0.04	< 2	3	49	0.31	3	2	< 10	61	< 10	19	20	0.35	0.06

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
1229014162	145	2.74	< 10	< 1	0.32	13	0.97	0.225	0.041	2.24	< 2	1	108	0.04	< 1	< 2	< 10	16	< 10	2	17	0.19	2.20
1229014054	143	5.32	< 10	2	0.05	< 10	2.68	0.511	0.020	0.18	< 2	8	80	0.24	2	< 2	< 10	142	< 10	4	5	0.12	0.20
1229014016	103	2.02	< 10	< 1	0.39	14	0.61	0.176	0.042	1.39	< 2	1	70	0.03	3	2	< 10	12	53	3	17	0.18	1.36
1230037008	180	2.48	< 10	< 1	0.30	14	0.97	0.140	0.046	0.94	7	3	61	0.07	4	< 2	< 10	28	< 10	3	17	0.10	0.93
1229014070	149	2.67	< 10	< 1	0.37	23	1.05	0.123	0.054	1.59	< 2	3	56	0.08	4	< 2	< 10	27	< 10	4	20	0.17	1.57
1229014129	203	2.39	< 10	< 1	0.21	13	0.87	0.073	0.039	1.92	< 2	2	22	0.04	2	< 2	< 10	17	< 10	3	16	0.19	1.96
1230031211	167	3.58	< 10	< 1	0.33	15	1.50	0.146	0.044	2.38	< 2	2	52	< 0.01	2	< 2	< 10	23	< 10	4	24	0.13	2.41
1229014211	256	3.20	< 10	< 1	0.29	19	1.29	0.267	0.049	2.46	< 2	2	101	0.04	< 1	< 2	< 10	26	< 10	3	19	0.30	2.34
1230031111	109	2.16	< 10	< 1	0.28	24	1.35	0.106	0.047	1.03	< 2	1	72	< 0.01	< 1	< 2	< 10	12	< 10	3	10	0.18	0.98
1229016036	76	2.44	< 10	< 1	0.23	18	1.32	0.118	0.059	0.51	< 2	1	147	< 0.01	< 1	< 2	< 10	19	< 10	2	6	0.07	0.52
1229016020	86	1.97	< 10	< 1	0.31	16	1.24	0.069	0.050	0.26	< 2	1	111	0.02	1	< 2	< 10	14	< 10	2	7	0.11	0.27
1230031216	86	4.36	< 10	< 1	0.30	12	2.72	0.168	0.044	2.56	3	3	70	0.07	< 1	< 2	< 10	37	< 10	3	18	0.03	0.90
1118001084	169	2.17	< 10	< 1	0.32	15	1.01	0.220	0.043	0.96	< 2	1	94	< 0.01	2	< 2	< 10	13	< 10	3	10	0.17	0.94
1118001013	80	2.58	< 10	< 1	0.36	20	0.66	0.095	0.050	2.07	< 2	1	64	< 0.01	1	< 2	< 10	12	< 10	2	22	0.12	2.02
1230037006	116	2.57	< 10	< 1	0.44	16	0.78	0.130	0.043	1.88	3	2	39	0.01	3	< 2	< 10	15	< 10	2	18	0.15	1.87
1229014139	243	2.52	< 10	< 1	0.25	13	0.85	0.078	0.040	1.85	< 2	2	26	0.06	2	< 2	< 10	17	< 10	3	18	0.26	1.87
1229014184	179	2.71	< 10	< 1	0.28	16	1.22	0.256	0.044	1.98	2	2	91	0.04	< 1	< 2	< 10	23	< 10	3	18	0.23	1.98
v845056	13	3.89	< 10	< 1	0.44	30	0.84	0.237	0.094	0.08	< 2	6	53	0.46	6	< 2	< 10	123	< 10	24	15	0.09	0.09
1229021324	157	2.54	< 10	< 1	0.17	15	1.08	0.176	0.042	2.32	2	< 1	57	< 0.01	< 1	< 2	< 10	10	< 10	2	18	0.20	2.30
1229021166	135	2.26	< 10	< 1	0.19	18	1.52	0.200	0.046	1.55	< 2	< 1	61	0.01	3	< 2	< 10	11	< 10	3	13	0.25	1.45
1118004103	139	3.30	< 10	< 1	0.28	18	0.73	0.030	0.059	2.97	4	1	43	0.01	4	< 2	< 10	12	< 10	4	23	0.27	3.00
1118004089	103	1.98	< 10	< 1	0.34	17	1.12	0.037	0.038	1.32	< 2	< 1	36	0.02	< 1	< 2	< 10	8	< 10	2	11	0.43	1.23
1118004139	89	3.03	< 10	< 1	0.27	16	1.26	0.048	0.038	1.93	< 2	< 1	44	0.04	< 1	< 2	< 10	11	< 10	2	27	0.18	1.96
1230032051	180	1.89	< 10	< 1	0.18	16	0.98	0.112	0.038	1.37	< 2	< 1	43	< 0.01	4	< 2	< 10	9	< 10	2	10	0.17	1.21
1118004158	128	2.98	< 10	< 1	0.32	17	1.12	0.030	0.039	2.23	2	< 1	23	0.03	< 1	< 2	< 10	9	< 10	3	29	0.12	2.21
1229021248	170	2.83	< 10	< 1	0.15	15	1.34	0.080	0.039	2.09	< 2	< 1	30	< 0.01	< 1	< 2	< 10	10	< 10	2	20	0.05	2.11
1229021293	131	2.49	< 10	< 1	0.20	19	1.22	0.205	0.047	2.02	3	< 1	77	< 0.01	2	< 2	< 10	10	< 10	2	16	0.16	1.98
1229021452	158	2.59	< 10	< 1	0.22	13	0.88	0.233	0.041	2.06	7	1	113	0.05	2	< 2	< 10	16	< 10	2	16	0.20	2.07
1230032032	179	2.22	< 10	< 1	0.19	15	1.06	0.122	0.042	1.74	< 2	1	47	0.01	3	< 2	< 10	13	< 10	2	12	0.15	1.76
1229021052	176	3.14	< 10	< 1	0.21	16	1.43	0.095	0.044	1.76	2	1	36	< 0.01	< 1	< 2	< 10	14	< 10	2	10	0.54	1.77
1229021124	98	3.00	< 10	< 1	0.20	15	1.56	0.151	0.041	1.78	< 2	< 1	46	0.01	< 1	< 2	< 10	10	< 10	2	18	0.11	1.78
1229021021	93	3.36	< 10	< 1	0.30	12	1.74	0.115	0.039	1.75	< 2	2	49	0.07	1	< 2	< 10	28	< 10	3	15	0.22	1.70
1229021145	111	2.82	< 10	< 1	0.19	15	1.71	0.202	0.045	1.80	< 2	< 1	75	< 0.01	2	< 2	< 10	14	< 10	2	16	0.09	1.84
1229021190	129	2.55	< 10	< 1	0.15	14	1.41	0.114	0.039	0.40	< 2	1	41	< 0.01	< 1	< 2	< 10	14	< 10	2	10	0.09	0.42
1229021048	209	2.54	< 10	< 1	0.29	15	1.34	0.211	0.040	1.35	< 2	1	80	0.03	< 1	< 2	< 10	15	< 10	2	15	0.47	1.31
1229021134	102	3.01	< 10	< 1	0.21	17	1.39	0.069	0.047	2.42	< 2	1	29	< 0.01	1	< 2	< 10	13	< 10	3	23	0.15	2.39
1230032110	91	2.65	< 10	< 1	0.22	13	0.93	0.058	0.040	2.10	2	< 1	27	< 0.01	2	< 2	< 10	6	< 10	2	14	0.20	2.07
1229021097	126	2.75	< 10	< 1	0.21	13	1.34	0.076	0.042	2.08	< 2	< 1	31	< 0.01	< 1	< 2	< 10	10	< 10	2	14	0.28	2.07
1118004121	100	3.25	< 10	< 1	0.28	16	0.61	0.038	0.040	3.38	3	< 1	20	< 0.01	< 1	< 2	< 10	6	< 10	2	24	0.22	3.34
v845057	10	2.04	< 10	< 1	0.18	20	0.26	0.241	0.035	0.02	< 2	2	39	0.33	4	< 2	< 10	42	< 10	17	31	< 0.01	0.03
1230032039	94	2.31	< 10	< 1	0.21	12	1.40	0.114	0.038	1.90	3	< 1	30	0.01	1	< 2	< 10	10	< 10	2	17	0.19	1.85
1118005027	170	1.81	< 10	< 1	0.35	17	1.25	0.078	0.039	1.14	< 2	< 1	54	0.02	2	< 2	< 10	10	< 10	2	11	0.67	1.07
1231501080	112	2.32	< 10	< 1	0.24	14	0.86	0.186	0.043	1.85	< 2	1	56	0.01	< 1	< 2	< 10	15	13	2	14	0.16	1.84
1118004001	154	2.73	< 10	< 1	0.22	21	1.10	0.133	0.054	1.49	< 2	1	73	0.03	1	< 2	< 10	14	< 10	3	14	0.16	1.48
1118005006	93	2.36	< 10	< 1	0.32	15	1.40	0.036	0.034	1.66	4	< 1	41	0.03	2	< 2	< 10	10	< 10	2	25	0.20	1.66
2136012056	111	2.24	< 10	< 1	0.68	19	1.06	0.291	0.045	0.35	< 2	2	138	0.10	< 1	< 2	< 10	27	< 10	5	16	0.26	0.35
1118005001	77	2.90	< 10	< 1	0.30	16	0.99	0.031	0.039	2.05	2	< 1	25	0.01	< 1	< 2	< 10	8	< 10	2	24	0.26	1.98
1231025060	94	4.26	< 10	< 1	0.23	< 10	0.93	0.040	0.035	1.84	< 2	< 1	17	< 0.01	2	< 2	< 10	10	< 10	2	9	0.10	1.89
1231025408	78	1.65	< 10	< 1	0.19	< 10	0.98	0.148	0.044	0.96	< 2	< 1	82	< 0.01	< 1	< 2	< 10	11	< 10	1	12	0.12	0.93
1231025115	85	3.27	< 10	< 1	0.16	10	0.88	0.072	0.038	1.35	3	< 1	50	0.02	2	< 2	< 10	12	< 10	1	11	0.10	1.35
1229022001	111	4.56	< 10	2	0.05	< 10	2.00	0.635	0.020	0.10	4	5	66	0.23	< 1	< 2	< 10	131	< 10	4	4	0.07	0.11

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
1229022032	208	2.44	< 10	< 1	0.14	16	0.97	0.076	0.041	1.77	< 2	2	28	< 0.01	< 1	< 2	< 10	15	< 10	3	17	0.26	1.72
1229022058	106	4.69	< 10	1	0.03	< 10	2.12	0.613	0.019	0.11	< 2	6	65	0.22	< 1	< 2	< 10	135	< 10	4	4	0.12	0.12
1230038226	160	2.26	< 10	< 1	0.26	19	1.05	0.138	0.053	0.55	< 2	2	99	0.06	< 1	< 2	< 10	26	< 10	3	13	0.27	0.56
1230038204	174	2.47	< 10	< 1	0.23	19	1.06	0.120	0.055	0.54	< 2	2	112	0.06	2	< 2	< 10	25	< 10	3	4	0.45	0.53
1231025254	171	3.05	< 10	< 1	0.15	16	0.89	0.219	0.039	1.90	< 2	< 1	102	< 0.01	< 1	< 2	< 10	12	< 10	2	10	0.12	1.78
1231025190	130	3.31	< 10	< 1	0.20	11	0.87	0.080	0.037	1.88	< 2	1	65	0.02	< 1	< 2	< 10	13	< 10	2	15	0.08	1.97
1231025292	181	2.23	< 10	< 1	0.14	16	1.03	0.218	0.038	1.45	< 2	1	113	< 0.01	2	< 2	< 10	13	< 10	2	10	0.08	1.47
1229022087	188	2.62	< 10	< 1	0.17	19	1.02	0.063	0.057	1.70	< 2	1	35	< 0.01	2	< 2	< 10	15	< 10	3	14	0.37	1.68
1229022070	158	2.82	< 10	< 1	0.18	14	0.87	0.081	0.040	2.29	< 2	1	24	< 0.01	< 1	< 2	< 10	14	< 10	3	18	0.13	2.23
v845058	9	1.48	< 10	< 1	0.09	< 10	0.14	0.187	0.031	0.02	< 2	1	23	0.29	5	< 2	< 10	38	< 10	8	20	0.01	0.02
1118003284	78	2.57	< 10	< 1	0.23	21	1.24	0.192	0.056	0.92	< 2	1	88	0.03	< 1	< 2	< 10	15	< 10	3	10	0.17	0.93
1118003231	109	4.20	< 10	< 1	0.39	15	1.37	0.028	0.052	2.07	2	2	41	0.05	3	< 2	< 10	20	< 10	3	14	0.23	2.03
1118003265	96	3.28	< 10	< 1	0.27	15	1.15	0.028	0.042	1.46	2	1	17	0.04	< 1	< 2	< 10	10	< 10	2	12	0.14	1.50
1231501041	90	2.17	10	< 1	0.31	20	1.05	0.450	0.044	0.14	< 2	1	346	0.10	< 1	< 2	< 10	22	< 10	2	11	0.33	0.14
1231501106	80	2.24	< 10	< 1	0.22	21	0.82	0.331	0.051	0.29	4	1	154	0.07	4	< 2	< 10	20	< 10	3	8	0.07	0.32
1231501170	93	2.06	< 10	< 1	0.22	19	0.79	0.259	0.048	0.43	< 2	2	176	0.08	< 1	< 2	< 10	21	< 10	3	11	0.31	0.42
1231501213	73	1.82	< 10	< 1	0.16	12	0.84	0.284	0.033	0.18	< 2	1	119	0.05	2	< 2	< 10	13	< 10	2	12	0.06	0.18
1231501217	108	2.42	< 10	1	0.25	22	1.05	0.222	0.049	1.59	2	1	99	0.02	< 1	< 2	< 10	17	< 10	2	16	0.21	1.58
1231501188	85	2.22	< 10	< 1	0.23	21	0.86	0.371	0.049	1.27	< 2	1	171	0.02	< 1	< 2	< 10	15	< 10	2	14	0.04	1.24
1230045173	127	2.18	< 10	< 1	0.16	11	1.07	0.060	0.044	0.45	< 2	3	34	0.09	1	< 2	< 10	30	< 10	4	11	0.19	0.47
1229010063	135	5.17	< 10	1	0.11	< 10	2.41	0.745	0.019	0.10	4	9	72	0.21	< 1	< 2	< 10	149	< 10	4	3	0.17	0.11
1229010120	109	1.97	< 10	< 1	0.23	12	0.73	0.055	0.042	1.69	4	< 1	39	< 0.01	< 1	3	< 10	5	< 10	2	8	1.15	1.61
1229010194	100	2.01	< 10	< 1	0.33	13	0.93	0.039	0.037	1.07	< 2	1	38	0.02	< 1	< 2	< 10	10	< 10	2	11	0.40	0.99
1229015315	133	2.22	< 10	< 1	0.18	14	0.80	0.082	0.039	1.84	< 2	1	27	0.02	< 1	< 2	< 10	13	< 10	2	16	0.26	1.78
1229015269	123	2.29	< 10	< 1	0.16	16	0.93	0.148	0.040	1.39	< 2	1	56	0.01	< 1	< 2	< 10	13	< 10	3	11	0.52	1.31
1230031723	82	2.77	< 10	< 1	0.16	15	1.30	0.176	0.044	1.83	2	1	78	0.01	< 1	< 2	< 10	15	< 10	2	17	0.09	1.91
1229015301	201	2.35	< 10	< 1	0.42	14	0.82	0.104	0.040	1.39	2	2	34	0.07	< 1	< 2	< 10	21	10	3	20	0.24	1.43
1229015235	153	2.35	< 10	< 1	0.17	13	0.90	0.218	0.039	1.60	3	1	91	< 0.01	< 1	< 2	< 10	12	< 10	3	16	0.30	1.59
1229015281	181	2.33	< 10	< 1	0.27	14	0.82	0.083	0.040	1.43	4	2	27	0.04	1	< 2	< 10	19	< 10	3	18	0.31	1.36
1230031763	114	2.34	< 10	< 1	0.21	17	1.23	0.294	0.051	1.31	< 2	1	140	0.05	2	< 2	< 10	19	< 10	2	17	0.14	1.31
1229010054	76	2.54	< 10	< 1	0.20	16	1.29	0.069	0.057	1.41	< 2	< 1	70	< 0.01	< 1	< 2	< 10	13	< 10	2	6	0.29	1.43
v845059	13	3.60	< 10	< 1	0.24	11	0.60	0.329	0.060	0.06	< 2	4	40	0.47	6	< 2	< 10	100	< 10	18	24	< 0.01	0.07
1118005010	98	1.81	< 10	< 1	0.25	17	1.06	0.172	0.038	0.96	< 2	< 1	54	< 0.01	< 1	< 2	< 10	7	< 10	2	14	0.12	0.93
1230038113	62	1.87	< 10	< 1	0.19	14	0.81	0.057	0.044	0.51	< 2	1	38	0.01	< 1	< 2	< 10	10	< 10	2	7	0.07	0.52
1229021074	108	3.12	< 10	< 1	0.20	16	1.54	0.115	0.041	2.29	3	< 1	36	< 0.01	1	< 2	< 10	11	< 10	3	15	0.06	2.30
1230038147	144	2.36	< 10	< 1	0.22	17	0.94	0.070	0.054	1.26	< 2	2	36	0.04	< 1	< 2	< 10	25	< 10	3	12	0.27	1.25
1230032076	154	2.68	< 10	< 1	0.20	13	1.02	0.084	0.041	1.90	< 2	< 1	31	< 0.01	< 1	< 2	< 10	8	< 10	2	12	0.14	1.92
2136012092	145	1.81	< 10	< 1	0.34	18	0.74	0.175	0.042	0.29	< 2	2	73	0.07	< 1	< 2	< 10	19	< 10	3	7	0.11	0.31
2136012104	137	2.25	< 10	< 1	0.81	19	1.14	0.467	0.042	0.23	< 2	2	160	0.11	< 1	< 2	< 10	28	< 10	4	14	0.16	0.25
1230032077	151	3.22	< 10	< 1	0.21	14	1.00	0.092	0.041	2.49	< 2	1	33	0.01	< 1	< 2	< 10	13	< 10	2	15	0.09	2.58
1230032075	160	2.97	< 10	< 1	0.20	15	1.00	0.109	0.042	2.04	3	1	43	0.02	< 1	< 2	< 10	15	< 10	3	16	0.10	2.02
1229021109	210	2.66	< 10	< 1	0.20	14	1.61	0.144	0.038	0.74	< 2	1	49	0.02	< 1	< 2	< 10	16	< 10	2	7	0.40	0.83
1230038028	115	2.62	< 10	< 1	0.25	16	0.82	0.062	0.046	1.43	< 2	2	35	0.03	< 1	< 2	< 10	21	< 10	3	12	0.11	1.42
1118004117	137	2.60	< 10	< 1	0.27	18	0.66	0.044	0.042	2.61	3	< 1	18	< 0.01	< 1	< 2	< 10	6	< 10	2	25	0.14	2.64
1231501013	175	2.04	< 10	< 1	0.32	20	0.94	0.350	0.050	0.51	< 2	2	192	0.08	1	< 2	< 10	23	< 10	3	10	0.12	0.53
1229021036	165	1.99	< 10	< 1	0.29	14	1.21	0.092	0.038	0.41	< 2	2	45	0.04	< 1	< 2	< 10	17	< 10	2	10	0.23	0.45
2136012012	111	2.15	< 10	< 1	0.56	19	1.08	0.198	0.044	0.43	< 2	2	105	0.09	< 1	< 2	< 10	26	< 10	5	14	0.33	0.46
2136012068	101	2.22	< 10	< 1	0.44	21	1.05	0.309	0.046	0.11	< 2	2	123	0.11	< 1	< 2	< 10	26	< 10	5	10	0.08	0.12
1230032155	106	4.31	< 10	< 1	0.07	< 10	1.89	0.544	0.023	0.15	2	5	57	0.21	< 1	< 2	< 10	119	< 10	4	4	0.10	0.18
v845060	11	3.10	< 10	< 1	0.26	16	0.47	0.217	0.047	0.04	< 2	3	49	0.31	< 1	< 2	< 10	60	< 10	19	22	0.39	0.04
1229010110	71	2.30	< 10	< 1	0.24	15	0.95	0.039	0.045	1.24	< 2	1	32	< 0.01	< 1	< 2	< 10	11	< 10	2	10	0.13	1.21

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
1229010205	93	2.28	< 10	< 1	0.16	15	1.21	0.077	0.045	0.82	2	1	90	< 0.01	< 1	< 2	< 10	15	< 10	2	3	0.31	0.86
1229010001	86	2.84	< 10	< 1	0.20	14	0.89	0.047	0.047	1.78	2	< 1	41	0.02	< 1	< 2	< 10	9	< 10	2	13	0.13	1.70
1230045126	159	4.37	< 10	< 1	0.27	14	1.05	0.037	0.049	3.78	< 2	< 1	20	0.02	2	< 2	< 10	11	< 10	2	12	0.16	3.66
1229015333	179	2.79	< 10	< 1	0.14	17	0.97	0.083	0.042	2.09	< 2	2	30	< 0.01	< 1	< 2	< 10	16	< 10	3	17	0.36	2.06
1230031773	110	2.23	< 10	< 1	0.20	18	1.03	0.150	0.040	2.05	2	< 1	61	0.01	6	< 2	< 10	9	< 10	2	13	0.22	2.04
1229021428	106	2.33	< 10	< 1	0.18	15	0.98	0.304	0.042	2.21	3	< 1	146	< 0.01	< 1	< 2	< 10	7	< 10	2	17	0.18	2.29
1229021498	84	2.99	< 10	< 1	0.24	14	1.19	0.277	0.040	2.65	< 2	< 1	100	< 0.01	4	< 2	< 10	8	< 10	2	22	0.14	2.64
1229021514	100	3.17	< 10	< 1	0.23	15	1.17	0.227	0.042	2.92	2	< 1	129	< 0.01	2	< 2	< 10	9	< 10	2	17	0.09	2.77
1229021554	161	2.62	< 10	< 1	0.23	20	1.01	0.061	0.044	1.90	< 2	2	39	0.07	2	< 2	< 10	20	< 10	3	15	0.31	1.93
1229021535	173	3.17	< 10	< 1	0.19	17	1.14	0.110	0.042	3.00	7	< 1	45	< 0.01	2	< 2	< 10	11	< 10	2	18	0.22	3.01
1229021472	92	2.90	< 10	< 1	0.19	15	1.29	0.135	0.040	2.58	< 2	< 1	90	< 0.01	2	< 2	< 10	8	< 10	2	16	0.18	2.70
1229021525	94	2.48	< 10	< 1	0.18	16	1.14	0.167	0.042	2.37	< 2	< 1	77	< 0.01	1	< 2	< 10	9	< 10	2	11	0.27	2.30
1229021403	186	2.60	< 10	< 1	0.23	17	1.09	0.249	0.046	2.36	3	1	92	< 0.01	< 1	< 2	< 10	11	< 10	2	14	0.33	2.26
1230032166	123	3.07	< 10	< 1	0.23	18	0.72	0.089	0.046	2.12	2	2	54	0.03	< 1	< 2	< 10	19	< 10	3	19	0.16	2.14
1230032136	119	2.49	< 10	< 1	0.20	24	0.84	0.113	0.055	1.16	< 2	2	61	0.06	< 1	< 2	< 10	27	< 10	4	14	0.23	1.13
1229021415	191	4.04	< 10	< 1	0.18	14	1.11	0.029	0.041	3.73	< 2	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	1	10	0.23	3.76
v845061	10	2.05	< 10	< 1	0.19	20	0.26	0.244	0.035	0.02	2	2	38	0.32	5	< 2	< 10	41	< 10	16	30	< 0.01	0.02
1229021374	130	2.37	< 10	< 1	0.23	16	0.85	0.208	0.044	2.29	< 2	< 1	48	0.02	< 1	< 2	< 10	9	< 10	2	19	0.10	2.21
1230032043	104	2.23	< 10	< 1	0.20	11	1.40	0.176	0.038	1.71	< 2	1	52	0.03	< 1	< 2	< 10	12	< 10	2	15	0.16	1.80
1229021406	133	2.22	< 10	< 1	0.14	16	1.03	0.222	0.044	2.02	2	< 1	101	< 0.01	1	< 2	< 10	8	< 10	2	15	0.07	2.01
1229021327	124	2.58	< 10	< 1	0.17	17	1.08	0.178	0.044	2.27	2	< 1	70	< 0.01	< 1	< 2	< 10	10	< 10	2	16	0.18	2.34
1229021420	104	3.82	< 10	< 1	0.21	19	1.24	0.031	0.050	3.51	3	< 1	20	< 0.01	2	< 2	< 10	9	< 10	2	12	0.10	3.59
1229021338	125	4.02	< 10	< 1	0.22	14	1.08	0.032	0.039	3.90	2	< 1	12	< 0.01	2	< 2	< 10	7	< 10	1	14	0.08	3.97
1230032001	129	2.02	< 10	< 1	0.20	16	1.08	0.154	0.043	1.66	2	< 1	54	< 0.01	< 1	< 2	< 10	8	< 10	2	13	0.09	1.63
1118004005	109	3.02	< 10	< 1	0.23	10	1.31	0.035	0.037	2.06	< 2	< 1	23	< 0.01	< 1	< 2	< 10	8	< 10	2	16	0.33	2.12
1229021312	105	2.39	< 10	< 1	0.21	18	1.01	0.197	0.045	2.29	< 2	< 1	51	< 0.01	< 1	< 2	< 10	6	< 10	2	18	0.13	2.33
1229021202	102	2.42	< 10	< 1	0.26	15	1.48	0.254	0.042	1.33	< 2	< 1	84	0.04	2	< 2	< 10	13	< 10	2	17	0.20	1.34
1118004014	103	2.15	< 10	< 1	0.29	12	0.56	0.031	0.038	2.06	< 2	< 1	18	< 0.01	< 1	< 2	< 10	4	< 10	2	16	0.50	2.12
1118004041	90	2.31	< 10	< 1	0.32	17	1.18	0.048	0.045	1.48	3	< 1	42	0.01	< 1	< 2	< 10	9	< 10	3	16	0.28	1.47
1118004058	93	2.48	< 10	< 1	0.59	23	1.46	0.030	0.087	1.37	3	3	144	0.07	< 1	< 2	< 10	21	< 10	6	17	0.49	1.38
1118004085	135	2.80	< 10	< 1	0.31	17	0.41	0.029	0.044	2.69	3	< 1	14	< 0.01	< 1	< 2	< 10	6	< 10	3	24	0.16	2.65
1118004129	137	3.17	< 10	< 1	0.28	16	0.35	0.026	0.042	3.09	4	< 1	9	< 0.01	< 1	< 2	< 10	5	< 10	2	20	0.05	3.01
1230031720	131	2.65	< 10	< 1	0.25	14	1.69	0.115	0.040	1.61	< 2	1	50	0.04	< 1	< 2	< 10	14	< 10	2	16	0.16	1.63
1229021257	113	3.44	< 10	< 1	0.22	16	1.56	0.105	0.039	1.71	< 2	< 1	43	< 0.01	< 1	< 2	< 10	10	< 10	2	15	0.17	1.73
1118004125	104	2.71	< 10	< 1	0.33	16	1.55	0.039	0.038	1.88	3	< 1	36	0.03	< 1	< 2	< 10	11	< 10	2	25	0.28	1.92
1229021205	92	2.67	< 10	2	0.22	14	1.45	0.237	0.040	1.78	< 2	< 1	75	< 0.01	2	< 2	< 10	10	< 10	2	17	0.20	1.75
v845062	13	3.96	< 10	< 1	0.45	30	0.86	0.239	0.093	0.08	< 2	6	52	0.45	7	< 2	< 10	121	< 10	24	14	0.09	0.08

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230045029	
1229010262	
1230045067	
1118003030	
1229010133	
1118003228	
1118003040	
1230045081	
1230045080	
1229010195	
1229010138	
1229010245	
1118003038	
1118003105	
1118003101	
1229015099	
1229015200	
1231501196	
1229015135	
v845051	
1118002053	
1118002169	
1118002187	
1118002206	
1118002163	
1118002256	
1229014206	
1229016187	
1229015002	
1229014300	
1230032237	
1230032261	
1230032295	
1118002264	
1230032214	
1229014290	
1230032201	
1230032198	
v845052	
1229016061	
1118001087	
1118001011	
1230031022	
1230031052	
1229014190	
1229016092	
1230031098	
1230031017	
1118001046	
1118001097	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229016045	
1229016144	
1229016143	
1229014250	
1229014273	
v845053	
1230032174	
1230031816	
1229015115	
1229015187	
1118003112	
1118003181	
1230031727	
1118003047	
1118003142	
1229015149	
2136011090	
2137504146	
1118002086	9.31
1230031772	
1118002082	
1229010322	
1229010264	
1230045003	
1229010021	
1230045036	
v845054	
1230032245	
1230032367	
1229015015	
1230032365	
1230032309	
1118002043	
1118002123	
1229015043	
1229015036	
1230032377	
1230032392	
1118002056	
1230031180	
1230032323	
1118002050	
1118002236	
1230032340	
1118002293	
1230032307	
1230032251	
1230032313	
1230015063	
1118003058	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1118003150	
v845055	
1229014162	
1229014054	
1229014016	
1230037008	
1229014070	
1229014129	
1230031211	
1229014211	
1230031111	
1229016036	
1229016020	
1230031216	
1118001084	
1118001013	
1230037006	
1229014139	
1229014184	
v845056	
1229021324	
1229021166	
1118004103	
1118004089	
1118004139	
1230032051	
1118004158	
1229021248	
1229021293	
1229021452	
1230032032	
1229021052	
1229021124	
1229021021	
1229021145	
1229021190	
1229021048	
1229021134	
1230032110	
1229021097	
1118004121	
v845057	
1230032039	
1118005027	
1231501080	
1118004001	
1118005006	
2136012056	
1118005001	
1231025060	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1231025408	
1231025115	
1229022001	
1229022032	
1229022058	
1230038226	
1230038204	
1231025254	
1231025190	
1231025292	
1229022087	
1229022070	
v845058	
1118003284	
1118003231	
1118003265	
1231501041	
1231501106	
1231501170	
1231501213	
1231501217	
1231501188	
1230045173	
1229010063	
1229010120	
1229010194	
1229015315	
1229015269	
1230031723	
1229015301	
1229015235	
1229015281	
1230031763	
1229010054	
v845059	
1118005010	
1230038113	
1229021074	
1230038147	
1230032076	
2136012092	
2136012104	
1230032077	
1230032075	
1229021109	
1230038028	
1118004117	
1231501013	
1229021036	
2136012012	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
2136012068	
1230032155	
v845060	
1229010110	
1229010205	
1229010001	
1230045126	
1229015333	
1230031773	
1229021428	
1229021498	
1229021514	
1229021554	
1229021535	
1229021472	
1229021525	
1229021403	
1230032166	
1230032136	
1229021415	
v845061	
1229021374	
1230032043	
1229021406	
1229021327	
1229021420	
1229021338	
1230032001	
1118004005	
1229021312	
1229021202	
1118004014	
1118004041	
1118004058	
1118004085	
1118004129	
1230031720	
1229021257	
1118004125	
1229021205	
v845062	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas								0.3	0.6	68	1060	1	24	85	122	7.26	226	< 10	666	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	71	1070	2	25	87	123	7.16	236	< 10	682	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	73	1080	1	26	87	123	7.32	234	< 10	693	0.9	< 2	0.13	10
GXR-6 Cert								1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8
BaSO4 Meas																							
BaSO4 Cert																							
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SGR-1b Meas																							
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SGR-1b Cert																							
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GS311-4 Meas																							
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GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
NBM-1 (slight fzz) Meas		41.9				8.04																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.3				8.53																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.4				8.33																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		41.8				8.69																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		41.9																					
NBM-1 (slight fzz) Cert		46.6																					
NBM-1 (slight fzz) Meas		43.0																					
NBM-1 (slight fzz)		46.6																					

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
OREAS 922 (AQUA REGIA) Meas								0.7	< 0.5	2170	759	< 1	34	61	251	3.01	5		83	0.8	9	0.41	15
OREAS 922 (AQUA REGIA) Cert								0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4
OREAS 922 (AQUA REGIA) Meas								0.8	< 0.5	2080	762	< 1	34	53	252	2.95	6		79	0.8	10	0.41	17
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								0.9	< 0.5	2360	793	< 1	37	52	265	3.06	3		83	0.8	6	0.42	17
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	4180	854	< 1	31	70	321	2.95	7		63	0.7	20	0.41	20
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	4360	885	< 1	32	74	327	3.04	6		63	0.7	15	0.42	19
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								2.5	< 0.5	4450	889	< 1	33	74	332	3.02	9		62	0.7	22	0.42	19
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								10.6		> 10000				76	414						< 2		40
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								10.7		> 10000				78	420						< 2		43
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								10.4		> 10000				77	415						5		43
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
OREAS 220 (Fire Assay) Meas							871																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							870																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire							873																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							898																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							835																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							883																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							896																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							863																
OREAS 220 (Fire Assay) Cert							866																
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas								64.4	265	3350	534	14	28	> 5000	> 10000	1.78	77			0.6	11	1.62	27
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								66.1	271	3460	545	14	24	> 5000	> 10000	1.86	82			0.6	4	1.67	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								65.7	278	3570	557	14	26	> 5000	> 10000	1.86	79			0.6	< 2	1.70	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
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							3160																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire							3140																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3010																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3050																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3150																
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																							
1118003040 Orig								1.2	4.6	78	1330	2	15	101	990	1.66	39	< 10	16	< 0.5	< 2	2.32	7
1118003040 Dup								1.7	4.7	83	1340	2	15	101	1010	1.61	60	< 10	16	< 0.5	< 2	2.35	7
1229010195 Orig							93																
1229010195 Dup							66																
1118003101 Orig	78.3	27.4	-51.0	83.9	0.326																		
1118003101 Dup	78.3	27.3	-51.0	83.9	0.326																		
1229015135 Orig							61																
1229015135 Dup							65																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
v845051 Orig																							
v845051 Dup																							
1118002053 Orig								0.7	< 0.5	20	725	< 1	13	13	110	2.44	38	< 10	41	< 0.5	< 2	2.64	6
1118002053 Dup								0.6	< 0.5	20	720	< 1	12	14	112	2.43	43	< 10	49	< 0.5	< 2	2.63	7
1229014300 Orig	73.1	8.59	-64.5	79.9	0.107		202																
1229014300 Dup							174																
1230032237 Orig																							
1230032237 Dup																							
1230032201 Orig								0.5	< 0.5	219	416	< 1	20	< 2	59	2.44	8	< 10	14	< 0.5	2	1.32	17
1230032201 Dup								0.6	< 0.5	220	417	< 1	20	2	60	2.41	10	< 10	13	< 0.5	2	1.32	16
1118001087 Orig																							
1118001087 Dup																							
1229014190 Orig							10																
1229014190 Dup							10																
1229016045 Orig								< 0.2	< 0.5	19	566	< 1	9	3	91	3.15	6	17	54	< 0.5	< 2	1.01	6
1229016045 Dup								< 0.2	< 0.5	20	562	< 1	9	4	92	3.20	3	17	43	< 0.5	< 2	1.01	6
1229016144 Orig																							
1229016144 Dup																							
1229014273 Orig							7																
1229014273 Dup							8																
1118003181 Orig	64.9	24.7	-40.2	77.8	0.318																		
1118003181 Dup	64.9	24.3	-40.5	77.8	0.313																		
1118003047 Orig								1.0	2.8	29	1390	< 1	18	171	782	1.29	63	< 10	14	< 0.5	< 2	2.94	8
1118003047 Dup								1.1	2.8	30	1400	< 1	18	184	789	1.22	64	< 10	17	< 0.5	< 2	2.94	9
1118003142 Orig							2470																
1118003142 Dup							2400																
1118002086 Orig																							
1118002086 Dup																							
1229010322 Orig						8.44																	
1229010322 Dup						8.43																	
1229010264 Orig																							
1229010264 Dup																							
1230032245 Orig								0.6	< 0.5	144	406	< 1	14	3	87	2.37	10	< 10	16	< 0.5	2	0.56	4
1230032245 Dup								0.6	< 0.5	141	417	1	15	< 2	85	2.44	9	< 10	18	< 0.5	2	0.57	4
1229015015 Orig	56.1	28.4	-27.7	61.9	0.459		104																
1229015015 Dup							99																
1118002043 Orig																							
1118002043 Dup																							
1230031180 Orig							254																
1230031180 Dup							272																
1230032340 Orig																							
1230032340 Dup																							
1118003150 Orig								0.9	< 0.5	26	804	5	21	35	178	3.30	35	< 10	49	< 0.5	< 2	2.13	11
1118003150 Dup								0.5	< 0.5	26	802	5	19	34	175	3.21	31	< 10	48	< 0.5	< 2	2.13	11
1229014054 Orig																							
1229014054 Dup																							
1229016036 Orig	16.3	12.3	-3.90	15.9	0.775																		
1229016036 Dup	16.3	12.1	-4.17	15.9	0.758																		
1118001084 Orig							85	0.6	< 0.5	27	490	< 1	13	15	80	3.65	31	< 10	51	< 0.5	< 2	2.03	7

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1118001084 Dup							79	0.6	< 0.5	28	494	< 1	13	13	75	3.77	33	< 10	49	< 0.5	< 2	2.03	7
1118004139 Orig							2070																
1118004139 Dup							1990																
1229021248 Orig	60.0	6.19	-53.8	64.6	0.0959			1.6	0.8	263	543	< 1	12	4	320	1.80	12	< 10	24	< 0.5	3	0.41	6
1229021248 Dup								1.1	0.7	249	530	< 1	11	2	313	1.74	13	< 10	27	< 0.5	3	0.39	6
1229021190 Orig																							
1229021190 Dup																							
v845057 Orig								2.0	< 0.5	22	231	10	7	20	46	1.25	< 2	< 10	46	< 0.5	< 2	0.82	6
v845057 Dup								2.0	< 0.5	21	222	10	7	20	43	1.24	< 2	< 10	45	< 0.5	< 2	0.78	6
1118004001 Orig						8.48																	
1118004001 Dup						8.46																	
1230038204 Orig																							
1230038204 Dup																							
1231025254 Orig	51.3	7.71	-43.6	54.5	0.141			0.8	< 0.5	203	397	9	11	< 2	41	2.27	9	< 10	30	< 0.5	2	0.89	6
1231025254 Dup	51.3	7.71	-43.6	54.5	0.141			1.8	< 0.5	194	394	8	11	< 2	40	2.21	10	< 10	34	< 0.5	3	0.89	6
1231025292 Orig							59																
1231025292 Dup							65																
1231501041 Orig																							
1231501041 Dup																							
1231501213 Orig							12																
1231501213 Dup							12																
1231501188 Orig								0.3	< 0.5	29	475	< 1	11	21	107	4.26	22	< 10	41	< 0.5	< 2	2.31	7
1231501188 Dup								0.4	< 0.5	27	463	< 1	11	19	106	4.16	19	< 10	41	< 0.5	< 2	2.28	7
1229010120 Orig	44.4	76.1	31.7	49.3	1.54																		
1229015269 Orig																							
1229015269 Dup																							
v845059 Orig								9.4	< 0.5	51	361	20	13	7	54	1.77	2	< 10	79	< 0.5	< 2	1.25	13
v845059 Dup								9.1	< 0.5	46	349	19	13	6	52	1.63	< 2	< 10	74	< 0.5	< 2	1.17	13
1118005010 Orig							218																
1118005010 Dup							158																
1229021074 Orig																							
1229021074 Dup																							
1229021036 Orig								< 0.2	< 0.5	39	485	< 1	11	3	81	1.87	5	< 10	47	< 0.5	< 2	1.05	6
1229021036 Dup								< 0.2	< 0.5	36	479	1	12	3	76	1.84	5	< 10	47	< 0.5	< 2	1.04	6
1229010205 Orig							146																
1229010205 Dup							138																
1230045126 Orig	104	12.8	-91.1	112	0.115																		
1230045126 Dup	104	12.6	-91.4	112	0.112																		
1230031773 Orig																							
1230031773 Dup																							
1230032166 Orig	60.5	15.2	-45.3	65.5	0.231																		
1230032136 Orig						8.79																	
1230032136 Dup						8.79																	
1229021415 Orig							193																
1229021415 Dup							214																
1229021374 Orig								0.6	1.8	82	438	2	9	8	536	1.83	14	< 10	27	< 0.5	< 2	1.05	7
1229021374 Dup								0.6	1.8	75	425	2	11	9	526	1.79	13	< 10	26	< 0.5	< 2	1.04	7
1229021312 Orig							98																
1229021312 Dup							94																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1118004129 Orig								4.1	3.1	175	321	1	12	16	762	0.83	104	< 10	21	< 0.5	< 2	0.27	8
1118004129 Dup								3.1	3.0	171	318	1	11	16	765	0.83	109	< 10	20	< 0.5	< 2	0.27	7
1118004125 Orig						8.45																	
1118004125 Dup						8.47																	
1229021205 Orig	49.2	17.9	-31.2	53.6	0.335		220																
1229021205 Dup	49.2	17.9	-31.2	53.6	0.335		202																
v845062 Orig																							
v845062 Dup																							
v845062 Dup																							
Method Blank							< 5																
Method Blank							< 5																
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Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank																							
Method Blank							< 5																
Method Blank						7.57																	

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
GXR-6 Meas	80	5.97	20	2	1.22	< 10	0.45	0.090	0.034	0.01	2	19	28		< 1	2	< 10	172	< 10	5	9		
GXR-6 Cert	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	80	5.92	20	< 1	1.20	< 10	0.44	0.089	0.034	0.01	5	19	27		< 1	< 2	< 10	176	< 10	5	11		
GXR-6 Cert	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	81	6.02	20	3	1.23	< 10	0.45	0.094	0.034	0.01	3	19	28		< 1	< 2	< 10	175	< 10	5	9		
GXR-6 Cert	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																							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																							13.9
BaSO4 Cert																							14.0
BaSO4 Meas																							13.6
BaSO4 Cert																							14.0
BaSO4 Meas																							13.4
BaSO4 Cert																							14.0
BaSO4 Meas																							14.1
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.1
BaSO4 Cert																							14.0
BaSO4 Meas																							13.7
BaSO4 Cert																							14.0
BaSO4 Meas																							13.9
BaSO4 Cert																							14.0
SGR-1b Meas																						28.1	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.2	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.6	1.56
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.7	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.50
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.3	1.61
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.57
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.1	1.58
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.2	1.56

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
SGR-1b Cert																						28	1.53
SGR-1b Meas																						29.1	1.61
SGR-1b Cert																						28	1.53
GS311-4 Meas																						1.09	0.55
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.09	0.57
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	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																						1.12	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.12	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.13	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.09	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.54
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	0.53
GS311-4 Cert																						1.11	0.54
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	44	5.23	< 10		0.54	39	1.44	0.036	0.063	0.35	< 2	4	17			< 2	< 10	37	< 10	22	24		
OREAS 922	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
(AQUA REGIA) Cert																							
OREAS 922 (AQUA REGIA) Meas	45	5.14	< 10		0.53	38	1.43	0.034	0.062	0.35	2	4	16			< 2	< 10	37	< 10	22	24		
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	47	5.37	< 10		0.55	38	1.49	0.037	0.063	0.36	3	4	17			< 2	< 10	38	< 10	23	18		
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	41	5.92	< 10		0.45	34	1.52		0.058	0.63	< 2	4	15			< 2	< 10	36	< 10	20	27		
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	6.11	< 10		0.46	35	1.55		0.060	0.65	4	4	15			< 2	< 10	36	< 10	21	31		
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	43	6.06	< 10		0.46	35	1.55		0.060	0.65	4	4	15			< 2	< 10	37	< 10	21	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 96 (Aqua Regia) Meas										3.44	5												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.75	7												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.67	4												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							

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 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas	33	3.33	< 10	5	0.39	20	0.47	0.199	0.033	4.44	107	3	19			< 2	< 10	13	< 10	8	68		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	31	3.43	< 10	4	0.41	20	0.49	0.208	0.034	4.59	108	3	19			2	< 10	13	< 10	8	69		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	33	3.46	10	4	0.42	20	0.49	0.215	0.032	4.63	108	3	19			< 2	< 10	14	< 10	9	42		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
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																							

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 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																						0.04	0.35
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	0.35
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.03	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.02	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																						0.04	0.32
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	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																						0.04	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
1118003040 Orig	188	2.54	< 10	< 1	0.50	13	0.99	0.056	0.039	2.14	2	1	29	< 0.01	< 1	< 2	< 10	9	< 10	2	15		
1118003040 Dup	192	2.56	< 10	< 1	0.47	13	0.98	0.053	0.039	2.16	3	< 1	29	< 0.01	3	< 2	< 10	9	< 10	2	16		
1229010195 Orig																						0.28	1.16
1229010195 Dup																						0.29	1.16
1118003101 Orig																							
1118003101 Dup																							
1229015135 Orig																							
1229015135 Dup																							
v845051 Orig																						0.01	0.06
v845051 Dup																						< 0.01	0.06
1118002053 Orig	159	2.18	< 10	< 1	0.35	12	1.57	0.086	0.037	1.01	< 2	1	55	< 0.01	2	< 2	< 10	12	< 10	2	9		
1118002053 Dup	161	2.19	< 10	< 1	0.35	12	1.56	0.089	0.036	1.00	3	1	55	< 0.01	< 1	< 2	< 10	12	< 10	2	9		
1229014300 Orig																							
1229014300 Dup																							
1230032237 Orig																						0.10	2.42
1230032237 Dup																						0.10	2.44
1230032201 Orig	262	4.16	< 10	< 1	0.37	32	1.65	0.098	0.110	1.88	< 2	4	56	0.07	3	< 2	< 10	41	< 10	5	9		
1230032201 Dup	264	4.08	< 10	< 1	0.36	32	1.63	0.095	0.109	1.85	2	4	56	0.07	4	< 2	< 10	41	< 10	5	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
1118001087 Orig																						0.21	0.76
1118001087 Dup																						0.20	0.78
1229014190 Orig																							
1229014190 Dup																							
1229016045 Orig	158	2.15	< 10	< 1	0.31	17	1.13	0.092	0.058	0.73	< 2	1	71	< 0.01	2	< 2	< 10	13	< 10	2	2		
1229016045 Dup	155	2.16	< 10	< 1	0.31	17	1.14	0.094	0.057	0.75	< 2	1	72	< 0.01	< 1	< 2	< 10	13	< 10	2	2		
1229016144 Orig																						0.09	2.71
1229016144 Dup																						0.10	2.66
1229014273 Orig																							
1229014273 Dup																							
1118003181 Orig																						0.26	2.51
1118003181 Dup																						0.27	2.58
1118003047 Orig	154	2.15	< 10	< 1	0.52	< 10	0.53	0.050	0.040	2.02	3	< 1	32	< 0.01	< 1	< 2	< 10	8	< 10	2	7		
1118003047 Dup	158	2.13	< 10	< 1	0.50	< 10	0.52	0.045	0.041	2.03	2	< 1	32	< 0.01	< 1	< 2	< 10	8	< 10	2	13		
1118003142 Orig																							
1118003142 Dup																							
1118002086 Orig																							
1118002086 Dup																							
1229010322 Orig																							
1229010322 Dup																							
1229010264 Orig																						0.33	0.11
1229010264 Dup																						0.32	0.11
1230032245 Orig	212	3.50	< 10	< 1	0.34	13	1.57	0.086	0.040	1.62	< 2	2	28	0.02	1	2	< 10	19	< 10	3	16		
1230032245 Dup	244	3.59	< 10	< 1	0.35	13	1.60	0.087	0.041	1.63	< 2	2	29	0.02	< 1	< 2	< 10	19	< 10	3	16		
1229015015 Orig																							
1229015015 Dup																							
1118002043 Orig																						0.99	1.11
1118002043 Dup																						0.99	1.12
1230031180 Orig																							
1230031180 Dup																							
1230032340 Orig																						0.17	1.93
1230032340 Dup																						0.18	2.00
1118003150 Orig	279	3.10	< 10	1	0.35	24	1.40	0.107	0.059	1.27	< 2	2	101	0.05	< 1	< 2	< 10	19	< 10	4	14		
1118003150 Dup	279	3.00	< 10	< 1	0.34	23	1.37	0.101	0.057	1.25	4	2	101	0.05	1	< 2	< 10	19	< 10	4	13		
1229014054 Orig																						0.12	0.21
1229014054 Dup																						0.11	0.18
1229016036 Orig																							
1229016036 Dup																							
1118001084 Orig	167	2.12	< 10	< 1	0.32	15	1.00	0.218	0.042	0.95	< 2	1	94	< 0.01	3	< 2	< 10	13	< 10	3	10	0.16	0.95
1118001084 Dup	172	2.22	< 10	< 1	0.33	15	1.02	0.223	0.043	0.97	< 2	1	94	< 0.01	1	< 2	< 10	13	< 10	3	10	0.17	0.92
1118004139 Orig																						0.17	1.93
1118004139 Dup																						0.19	1.98
1229021248 Orig	172	2.88	< 10	< 1	0.16	15	1.37	0.083	0.040	2.14	3	< 1	31	< 0.01	< 1	< 2	< 10	10	< 10	2	20		
1229021248 Dup	168	2.78	< 10	< 1	0.15	15	1.32	0.077	0.038	2.04	< 2	< 1	30	< 0.01	< 1	< 2	< 10	10	< 10	2	20		
1229021190 Orig																						0.09	0.42
1229021190 Dup																						0.09	0.41
v845057 Orig	10	2.09	< 10	< 1	0.19	21	0.26	0.245	0.035	0.02	< 2	2	40	0.33	3	< 2	< 10	43	< 10	17	31		
v845057 Dup	10	1.99	< 10	< 1	0.18	20	0.25	0.236	0.034	0.02	< 2	2	38	0.32	5	< 2	< 10	41	< 10	16	31		
1118004001 Orig																						0.17	1.48
1118004001 Dup																						0.15	1.47
1230038204 Orig																						0.45	0.52

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
1230038204 Dup																						0.44	0.54
1231025254 Orig	173	3.11	< 10	< 1	0.15	17	0.91	0.223	0.040	1.91	< 2	1	102	< 0.01	2	< 2	< 10	12	< 10	3	10		
1231025254 Dup	169	2.98	< 10	< 1	0.14	16	0.87	0.215	0.038	1.89	< 2	< 1	102	< 0.01	< 1	< 2	< 10	12	< 10	2	10		
1231025292 Orig																							
1231025292 Dup																							
1231501041 Orig																						0.33	0.14
1231501041 Dup																						0.33	0.15
1231501213 Orig																							
1231501213 Dup																							
1231501188 Orig	85	2.25	< 10	< 1	0.23	21	0.87	0.376	0.049	1.29	< 2	1	171	0.02	< 1	< 2	< 10	16	< 10	2	14		
1231501188 Dup	85	2.18	< 10	< 1	0.23	21	0.85	0.366	0.050	1.25	< 2	1	170	0.02	2	< 2	< 10	15	< 10	2	14		
1229010120 Orig																							
1229015269 Orig																						0.52	1.31
1229015269 Dup																						0.52	1.31
v845059 Orig	14	3.71	< 10	< 1	0.25	11	0.61	0.344	0.061	0.06	< 2	5	42	0.49	5	< 2	< 10	103	< 10	18	22		
v845059 Dup	13	3.49	< 10	< 1	0.24	11	0.58	0.314	0.058	0.05	4	4	38	0.46	6	< 2	< 10	96	< 10	17	25		
1118005010 Orig																							
1118005010 Dup																							
1229021074 Orig																						0.06	2.29
1229021074 Dup																						0.05	2.32
1229021036 Orig	168	2.02	< 10	< 1	0.29	14	1.22	0.092	0.039	0.42	< 2	2	45	0.04	< 1	< 2	< 10	17	< 10	2	10	0.23	0.44
1229021036 Dup	162	1.96	< 10	< 1	0.28	14	1.20	0.091	0.038	0.40	< 2	2	44	0.04	< 1	< 2	< 10	17	< 10	2	10	0.23	0.46
1229010205 Orig																							
1229010205 Dup																							
1230045126 Orig																							
1230045126 Dup																							
1230031773 Orig																						0.22	2.04
1230031773 Dup																						0.23	2.03
1230032166 Orig																							
1230032136 Orig																							
1230032136 Dup																							
1229021415 Orig																						0.22	3.76
1229021415 Dup																						0.23	3.76
1229021374 Orig	131	2.39	< 10	< 1	0.23	16	0.85	0.211	0.044	2.34	< 2	< 1	49	0.02	< 1	< 2	< 10	9	< 10	2	20		
1229021374 Dup	129	2.34	< 10	< 1	0.23	16	0.84	0.205	0.043	2.25	< 2	< 1	48	0.02	< 1	2	< 10	9	< 10	2	19		
1229021312 Orig																						0.14	2.28
1229021312 Dup																						0.12	2.38
1118004129 Orig	136	3.19	< 10	< 1	0.29	17	0.35	0.026	0.042	3.07	4	< 1	9	< 0.01	< 1	< 2	< 10	5	< 10	2	20		
1118004129 Dup	138	3.15	< 10	< 1	0.28	16	0.34	0.027	0.041	3.10	4	< 1	9	< 0.01	1	< 2	< 10	5	< 10	2	20		
1118004125 Orig																							
1118004125 Dup																							
1229021205 Orig																							
1229021205 Dup																							
v845062 Orig																						0.09	0.08
v845062 Dup																						0.08	0.08
v845062 Dup																						0.11	0.18
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

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
Method Blank																							
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Method Blank																							
Method Blank																							
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Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.016	< 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	0.016	< 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	0.017	< 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	0.014	< 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	0.017	< 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	0.016	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GXR-6 Meas	
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GXR-6 Cert	
BaSO4 Meas	
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BaSO4 Meas	
BaSO4 Cert	
SGR-1b Meas	
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SGR-1b Meas	
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SGR-1b Cert	

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

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
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	
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Oreas 96 (Aqua Regia) Meas	
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OREAS 220 (Fire Assay) Meas	
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OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Assay) Meas	
OREAS 220 (Fire Assay) Cert	
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OREAS 220 (Fire Assay) Meas	
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OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 229 (Fire Assay) Meas	12.0
OREAS 229 (Fire Assay) Cert	12.1
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
OREAS 229b (Fire Assay) Meas	12.1
OREAS 229b (Fire Assay) Cert	11.9
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	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
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 Cert	
1118003040 Orig	
1118003040 Dup	
1229010195 Orig	
1229010195 Dup	
1118003101 Orig	
1118003101 Dup	
1229015135 Orig	
1229015135 Dup	
v845051 Orig	
v845051 Dup	
1118002053 Orig	
1118002053 Dup	
1229014300 Orig	
1229014300 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230032237 Orig	
1230032237 Dup	
1230032201 Orig	
1230032201 Dup	
1118001087 Orig	
1118001087 Dup	
1229014190 Orig	
1229014190 Dup	
1229016045 Orig	
1229016045 Dup	
1229016144 Orig	
1229016144 Dup	
1229014273 Orig	
1229014273 Dup	
1118003181 Orig	
1118003181 Dup	
1118003047 Orig	
1118003047 Dup	
1118003142 Orig	
1118003142 Dup	
1118002086 Orig	9.59
1118002086 Dup	9.03
1229010322 Orig	
1229010322 Dup	
1229010264 Orig	
1229010264 Dup	
1230032245 Orig	
1230032245 Dup	
1229015015 Orig	
1229015015 Dup	
1118002043 Orig	
1118002043 Dup	
1230031180 Orig	
1230031180 Dup	
1230032340 Orig	
1230032340 Dup	
1118003150 Orig	
1118003150 Dup	
1229014054 Orig	
1229014054 Dup	
1229016036 Orig	
1229016036 Dup	
1118001084 Orig	
1118001084 Dup	
1118004139 Orig	
1118004139 Dup	
1229021248 Orig	
1229021248 Dup	
1229021190 Orig	
1229021190 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
v845057 Orig	
v845057 Dup	
1118004001 Orig	
1118004001 Dup	
1230038204 Orig	
1230038204 Dup	
1231025254 Orig	
1231025254 Dup	
1231025292 Orig	
1231025292 Dup	
1231501041 Orig	
1231501041 Dup	
1231501213 Orig	
1231501213 Dup	
1231501188 Orig	
1231501188 Dup	
1229010120 Orig	
1229015269 Orig	
1229015269 Dup	
v845059 Orig	
v845059 Dup	
1118005010 Orig	
1118005010 Dup	
1229021074 Orig	
1229021074 Dup	
1229021036 Orig	
1229021036 Dup	
1229010205 Orig	
1229010205 Dup	
1230045126 Orig	
1230045126 Dup	
1230031773 Orig	
1230031773 Dup	
1230032166 Orig	
1230032136 Orig	
1230032136 Dup	
1229021415 Orig	
1229021415 Dup	
1229021374 Orig	
1229021374 Dup	
1229021312 Orig	
1229021312 Dup	
1118004129 Orig	
1118004129 Dup	
1118004125 Orig	
1118004125 Dup	
1229021205 Orig	
1229021205 Dup	
v845062 Orig	
v845062 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
v845062 Dup	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
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Method Blank	< 0.02
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-13631**
Report Date:	**26-Nov-19**
Date Submitted:	**07-Oct-19**
Your Reference:	**2019 Q3 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

238 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)	2019-10-23 14:41:42
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-10-28 12:59:56
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-11-25 10:30:39

REPORT **A19-13631**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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.: **A19-13631**
Report Date: **26-Nov-19**
Date Submitted: **07-Oct-19**
Your Reference: **2019 Q3 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

238 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-11-14 22:19:16
4F-C, S	Infrared	2019-11-06 17:34:23

REPORT **A19-13631**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229027081	57.0	43.3	-13.7	62.2	0.697	8.67	0.62	293	1.5	1.1	250	460	< 1	9	3	342	1.52	10	< 10	49	< 0.5	6	1.89
1229027037	61.7	8.71	-52.9	66.5	0.131	8.56	0.59	336	1.3	1.0	244	531	< 1	17	< 2	374	1.77	13	< 10	42	< 0.5	4	0.85
1229027234	58.8	17.5	-41.3	62.2	0.282	8.74	0.44	83	0.5	< 0.5	24	229	< 1	11	2	79	1.59	10	< 10	32	< 0.5	< 2	0.94
1229027196	52.7	9.68	-43.0	56.0	0.173	8.69	0.43	219	1.4	< 0.5	342	325	1	11	< 2	108	1.63	7	< 10	47	< 0.5	3	1.01
1230040169	48.7	8.45	-40.3	53.3	0.159	8.54	0.54	174	0.6	< 0.5	74	709	< 1	23	5	113	1.93	13	10	54	< 0.5	< 2	0.76
1230040275	24.1	17.5	-6.52	27.0	0.651	8.84	0.33	146	0.4	0.8	89	517	< 1	19	4	335	2.01	6	< 10	53	< 0.5	< 2	0.95
1117003107	40.5	27.0	-13.5	50.5	0.534	8.78	1.06	566	1.2	18.4	122	917	< 1	9	101	4630	1.68	70	< 10	31	< 0.5	< 2	1.23
1230040048	70.0	16.2	-53.8	73.8	0.220	8.68	0.51	255	0.5	< 0.5	92	277	< 1	12	5	42	1.30	14	< 10	35	< 0.5	< 2	0.74
1230040151	62.1	21.7	-40.4	66.2	0.328	8.63	0.52	477	0.7	< 0.5	250	325	< 1	9	3	29	1.52	20	11	35	< 0.5	< 2	1.00
1230040175	35.8	11.6	-24.2	39.5	0.294	8.67	0.43	371	0.9	0.6	196	538	2	8	10	236	1.83	11	12	51	< 0.5	< 2	0.66
1117003030	62.7	14.0	-48.7	69.2	0.202	8.64	0.76	1190	1.6	8.3	195	737	< 1	9	66	2240	1.55	54	< 10	36	< 0.5	< 2	0.55
1117001169	60.6	74.8	14.2	68.0	1.10	8.97	0.84	804	1.3	7.8	79	1440	2	13	214	1910	0.99	29	< 10	28	< 0.5	< 2	2.40
1230040179	39.1	15.1	-23.9	42.0	0.360	8.76	0.36	264	0.7	< 0.5	126	368	1	6	3	68	2.00	6	16	56	< 0.5	2	0.49
1230040379	23.8	8.23	-15.5	23.3	0.353	8.93	0.19	102	0.4	< 0.5	54	407	2	9	8	68	2.39	5	15	39	< 0.5	2	0.97
1117003057	67.9	7.58	-60.3	72.3	0.105	8.44	0.56	552	1.1	3.6	55	389	1	13	21	1000	0.94	140	< 10	37	< 0.5	< 2	0.32
1230040026	50.6	6.14	-44.5	54.5	0.113	8.34	0.48	245	0.4	< 0.5	113	313	2	13	2	41	3.29	6	< 10	41	< 0.5	4	1.21
1230040464	49.0	4.20	-44.8	53.0	0.0792	8.39	0.49	581	0.8	< 0.5	368	266	< 1	8	< 2	35	2.58	4	< 10	50	< 0.5	5	1.11
1230040414	59.6	7.30	-52.3	63.4	0.115	8.42	0.49	491	0.9	< 0.5	479	236	1	6	< 2	27	2.07	6	< 10	35	< 0.5	11	0.71
1230040100	54.1	19.6	-34.5	58.2	0.336	8.49	0.51	188	0.3	< 0.5	54	328	3	11	< 2	39	2.11	6	< 10	35	< 0.5	< 2	0.97
v845063								1580	9.4	< 0.5	50	342	19	11	6	52	1.65	< 2	< 10	78	< 0.5	< 2	1.09
1229022278	14.1	9.46	-4.61	13.8	0.686	8.99	0.20	22	< 0.2	< 0.5	164	424	< 1	33	< 2	55	4.98	< 2	< 10	34	< 0.5	< 2	3.00
1229022295	5.94	7.38	1.44	5.82	1.27	9.10	0.10	24	< 0.2	< 0.5	116	432	< 1	35	< 2	47	5.28	< 2	< 10	25	< 0.5	< 2	3.34
1228003285	74.6	19.9	-54.7	82.4	0.242	8.63	0.91	120	0.7	3.3	116	495	< 1	17	5	911	2.19	13	< 10	36	< 0.5	< 2	1.13
1228003316	73.5	13.8	-59.8	80.8	0.170	8.62	0.86	154	0.8	7.2	104	438	< 1	11	5	1820	2.35	9	< 10	32	< 0.5	2	0.98
1228003269	78.8	5.41	-73.4	85.1	0.0636	8.39	0.77	83	0.6	3.2	38	416	< 1	14	9	927	2.59	17	< 10	35	< 0.5	< 2	0.98
1117002178	60.5	44.7	-15.8	65.5	0.683	8.76	0.61	593	1.3	6.2	34	1040	1	14	101	1620	1.16	95	< 10	37	< 0.5	< 2	1.65
1228003237	20.8	33.7	12.8	23.9	1.41	9.10	0.34	76	0.3	< 0.5	32	618	3	24	7	138	2.93	12	< 10	43	< 0.5	< 2	1.95
1228003308	75.7	14.3	-61.4	81.5	0.176	8.59	0.71	202	1.1	3.1	172	597	< 1	15	7	907	2.83	10	< 10	31	< 0.5	< 2	1.54
1117002158	73.8	62.8	-11.0	84.8	0.740	8.97	1.22	844	2.6	7.2	63	1240	< 1	15	310	1890	0.70	79	< 10	34	< 0.5	< 2	2.15
1228003221	12.5	13.8	1.31	12.3	1.13	9.29	0.25	23	< 0.2	< 0.5	34	438	< 1	11	4	71	2.22	6	< 10	44	< 0.5	< 2	1.18
1228003167	10.0	12.4	2.44	9.80	1.27	9.25	0.09	16	< 0.2	< 0.5	24	424	< 1	8	20	91	3.25	7	< 10	44	< 0.5	< 2	1.90
1228003205	7.18	87.0	79.8	10.4	8.35	9.32	0.33	25	< 0.2	< 0.5	22	628	< 1	61	7	86	2.88	8	< 10	50	< 0.5	< 2	3.08
1228003070	13.4	40.8	27.4	13.2	3.10	9.26	0.24	43	0.4	< 0.5	23	564	< 1	26	13	243	3.45	10	< 10	50	< 0.5	< 2	2.67
1117002148	115	33.8	-80.9	131	0.258	8.43	1.80	1050	2.6	23.5	194	1280	< 1	13	71	5800	1.44	103	< 10	27	< 0.5	< 2	1.52
1228003156	15.6	31.2	15.6	15.3	2.04	9.07	0.13	18	< 0.2	< 0.5	16	426	< 1	28	4	50	2.60	7	< 10	40	< 0.5	< 2	1.85
1228003066	16.9	21.8	4.92	16.5	1.32	9.18	0.16	28	< 0.2	< 0.5	22	413	< 1	20	6	84	2.78	14	< 10	48	< 0.5	< 2	1.56
1228003135	20.0	13.2	-6.79	19.6	0.674	9.11	0.15	35	< 0.2	< 0.5	15	439	< 1	11	8	75	2.79	17	< 10	40	< 0.5	< 2	1.35
v845064								647	2.6	< 0.5	24	230	9	6	21	46	1.25	< 2	< 10	49	< 0.5	< 2	0.75
1117002055	76.2	22.7	-53.5	86.7	0.262	8.69	1.17	1000	6.2	16.0	324	613	< 1	14	783	4160	1.54	85	< 10	36	< 0.5	< 2	1.02
1117002071	91.4	23.0	-68.5	98.9	0.232	8.44	0.91	2670	2.7	2.1	134	877	< 1	18	84	565	1.66	161	< 10	30	< 0.5	< 2	0.94
1117002010	38.7	29.5	-9.25	42.0	0.703	8.74	0.39	1340	0.7	0.8	29	686	< 1	14	33	326	2.38	63	< 10	46	< 0.5	< 2	1.85
1117002024	44.2	26.8	-17.3	47.5	0.565	8.73	0.41	485	0.9	1.9	67	722	< 1	13	162	564	2.52	54	< 10	51	< 0.5	< 2	1.78
1117002008	27.1	29.5	2.41	29.7	0.993	9.05	0.31	1400	0.6	0.6	31	761	< 1	14	45	275	2.82	26	< 10	68	< 0.5	< 2	2.01
2134002002	1.25	41.4	40.2	1.23	33.8	9.84	0.09	< 5	< 0.2	< 0.5	14	347	< 1	18	< 2	48	1.20	< 2	< 10	92	< 0.5	< 2	1.64
2134002006	2.50	30.8	28.3	2.45	12.6	9.71	0.19	9	< 0.2	< 0.5	13	390	< 1	14	< 2	62	1.69	3	< 10	128	< 0.5	< 2	1.51
1117002057	58.9	20.1	-38.8	65.2	0.309	8.67	0.73	4910	2.9	7.8	58	706	< 1	13	331	1910	1.86	51	< 10	40	< 0.5	< 2	1.08
2134002028	2.81	38.1	35.3	2.76	13.8	9.73	0.26	6	< 0.2	< 0.5	10	361	< 1	16	< 2	70	1.36	< 2	< 10	129	< 0.5	< 2	1.57
1228004010	60.1	15.9	-44.2	65.8	0.242	8.61	0.68	438	1.2	< 0.5	407	494	1	15	6	66	3.55	10	< 10	31	< 0.5	< 2	1.92
1228004276	7.50	22.4	14.9	7.35	3.04	9.26	0.18	39	< 0.2	< 0.5	13	475	< 1	9	10	109	3.36	8	< 10	49	< 0.5	< 2	2.12

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2137505278	6.56	13.0	6.41	6.43	2.02	9.06	0.13	9	< 0.2	< 0.5	14	381	< 1	13	3	66	3.14	3	< 10	84	< 0.5	< 2	1.87
1229027281	55.6	7.88	-47.7	58.8	0.134	8.69	0.42	44	0.2	< 0.5	20	225	< 1	10	< 2	61	1.78	8	< 10	34	< 0.5	< 2	0.79
1229027326	32.8	14.4	-18.4	32.2	0.449	8.86	0.22	25	< 0.2	< 0.5	15	239	1	9	< 2	64	2.03	< 2	< 10	39	< 0.5	< 2	1.00
v845065								270	2.9	< 0.5	62	449	< 1	16	7	67	1.78	< 2	< 10	98	< 0.5	< 2	1.59
1117001088	62.3	67.0	4.70	66.2	1.01	8.87	0.50	566	1.7	1.3	96	1620	< 1	13	168	398	0.87	47	< 10	29	< 0.5	< 2	2.07
1229022153	52.1	19.3	-32.8	56.0	0.344	8.85	0.49	90	0.8	1.1	75	606	3	13	6	354	2.10	9	< 10	36	< 0.5	< 2	1.16
1229022222	61.8	13.3	-48.4	65.5	0.203	8.44	0.49	100	0.6	< 0.5	67	378	1	12	8	65	2.84	14	< 10	36	< 0.5	3	1.07
1117001028	57.8	65.3	7.53	63.7	1.03	8.68	0.69	1300	2.2	4.3	92	1170	< 1	11	218	1010	1.34	118	< 10	35	< 0.5	< 2	2.44
1231025186	40.9	8.31	-32.6	43.8	0.190	8.48	0.36	258	0.5	< 0.5	209	274	1	11	< 2	33	2.44	10	< 10	57	< 0.5	< 2	0.83
1229022263	51.6	30.1	-21.5	55.4	0.542	8.60	0.48	214	0.8	< 0.5	125	407	1	10	8	85	1.67	16	< 10	47	< 0.5	< 2	1.37
1231025241	21.9	7.86	-14.0	21.4	0.367	8.80	0.20	120	0.4	< 0.5	96	348	12	11	< 2	119	2.23	11	< 10	48	< 0.5	< 2	0.75
1231025364	30.0	9.46	-20.5	29.4	0.322	8.92	0.25	87	0.3	< 0.5	124	308	1	14	< 2	38	1.91	3	< 10	32	< 0.5	< 2	0.66
1117001073	58.5	19.2	-39.3	63.4	0.303	8.79	0.59	698	2.0	5.9	105	408	< 1	14	312	1520	0.79	101	< 10	31	< 0.5	< 2	0.83
1117001140	37.3	69.0	31.7	45.9	1.50	8.73	0.92	811	1.0	8.9	43	1270	< 1	16	277	2220	0.88	33	< 10	29	< 0.5	< 2	2.48
1231025335	37.2	12.8	-24.4	36.4	0.351	8.68	0.26	205	0.6	< 0.5	171	347	2	10	< 2	44	2.06	11	< 10	28	< 0.5	< 2	0.75
1231025399	55.0	5.79	-49.2	53.9	0.107	8.41	0.29	68	0.6	< 0.5	160	274	< 1	11	< 2	32	2.44	5	< 10	38	< 0.5	< 2	0.92
1117001105	59.9	81.1	21.3	65.8	1.23	8.72	0.70	1320	1.1	2.6	52	1180	< 1	13	285	697	0.86	32	< 10	37	< 0.5	< 2	3.08
1117001159	40.5	74.9	34.4	45.0	1.66	8.97	0.52	454	1.2	1.9	54	1380	< 1	13	195	476	0.86	64	< 10	32	< 0.5	< 2	2.52
1231025344	56.5	16.3	-40.1	60.0	0.272	8.72	0.46	763	0.7	< 0.5	124	236	1	24	< 2	46	1.85	12	< 10	46	< 0.5	3	0.86
1229022232	35.8	11.1	-24.7	39.8	0.278	8.66	0.46	229	0.6	< 0.5	282	353	2	26	< 2	45	3.07	4	< 10	64	< 0.5	< 2	1.37
v845066								1220	4.2	< 0.5	23	145	6	4	< 2	25	0.66	< 2	< 10	21	< 0.5	< 2	0.57
1229022068	56.2	16.5	-39.8	61.6	0.267	8.71	0.63	74	0.5	0.9	103	337	4	14	< 2	285	1.20	10	< 10	42	< 0.5	< 2	0.76
1229022021	37.6	30.6	-6.98	43.5	0.704	8.91	0.65	85	0.5	0.7	106	450	3	12	2	255	1.28	9	< 10	42	< 0.5	< 2	1.29
1229022130	44.7	11.5	-33.2	47.5	0.242	8.78	0.36	300	0.5	< 0.5	95	275	< 1	11	4	44	1.70	8	< 10	51	< 0.5	< 2	0.79
1229022213	42.5	9.16	-33.3	45.0	0.203	8.82	0.33	232	0.8	< 0.5	82	385	3	11	6	57	2.43	14	< 10	35	< 0.5	< 2	0.61
1229022110	4.06	10.3	6.23	3.98	2.59	9.04	0.06	6	< 0.2	< 0.5	106	472	< 1	45	< 2	57	4.89	< 2	< 10	15	< 0.5	< 2	3.18
1229022215	36.3	8.69	-27.6	35.5	0.245	8.79	0.27	274	0.8	< 0.5	109	390	2	12	6	60	2.39	11	< 10	39	< 0.5	< 2	0.63
1229022169	59.3	10.9	-48.3	62.2	0.176	8.55	0.40	473	0.6	< 0.5	37	323	2	11	4	48	1.98	14	< 10	41	< 0.5	4	0.73
1231025316	35.5	40.6	5.06	38.9	1.04	8.68	0.40	100	0.7	< 0.5	265	476	8	10	< 2	47	1.84	6	< 10	24	< 0.5	< 2	1.87
1231025127	38.3	21.9	-16.4	42.6	0.515	8.39	0.49	1130	0.7	< 0.5	377	408	< 1	19	3	81	1.76	7	< 10	48	< 0.5	< 2	1.15
1117001121	62.7	10.0	-52.7	67.7	0.148	8.72	0.61	462	1.0	2.3	38	1240	< 1	14	363	633	0.75	28	< 10	35	< 0.5	< 2	2.29
1231025158	41.9	14.9	-27.0	46.2	0.322	8.47	0.51	327	0.5	< 0.5	163	361	1	16	3	90	2.18	6	< 10	44	< 0.5	< 2	1.14
1231025361	54.7	11.4	-43.3	57.6	0.197	8.42	0.39	187	0.3	< 0.5	93	334	< 1	10	< 2	31	2.49	8	< 10	36	< 0.5	< 2	1.07
1231025200	39.1	8.86	-30.2	42.0	0.211	8.38	0.36	1160	0.5	< 0.5	169	307	< 1	8	< 2	41	2.57	7	< 10	52	< 0.5	< 2	1.03
1231025267	27.2	9.85	-17.3	29.7	0.332	8.54	0.30	274	3.4	< 0.5	575	435	17	14	3	81	2.12	7	< 10	42	< 0.5	25	0.52
1229022188	24.3	6.42	-17.8	27.0	0.238	8.70	0.31	28	0.3	< 0.5	126	436	< 1	36	< 2	48	4.25	< 2	< 10	33	< 0.5	< 2	2.64
1117001001	34.2	46.9	12.7	37.4	1.25	8.89	0.38	425	0.7	0.7	32	833	< 1	11	65	280	2.25	49	< 10	43	< 0.5	< 2	2.27
1117001030	52.3	52.8	0.567	57.0	0.928	8.77	0.56	> 5000	2.1	1.9	46	1240	< 1	9	146	517	1.20	116	< 10	33	< 0.5	< 2	1.98
1229022274	67.5	8.51	-59.0	72.6	0.117	8.61	0.63	283	0.7	< 0.5	193	230	< 1	11	5	47	2.03	7	< 10	44	< 0.5	4	0.79
2137503154	7.50	7.79	0.288	7.35	1.06	9.14	0.13	< 5	< 0.2	< 0.5	27	354	< 1	27	< 2	38	2.62	< 2	< 10	111	< 0.5	< 2	0.90
1117001083	52.7	58.2	5.53	57.6	1.01	8.71	0.58	716	2.5	3.6	40	1370	2	13	640	1000	1.15	33	< 10	31	< 0.5	< 2	2.27
1117001035	32.8	20.4	-12.4	35.5	0.573	8.94	0.33	352	0.3	0.8	24	933	< 1	9	49	340	1.61	46	< 10	44	< 0.5	< 2	0.96
v845067								732	3.3	< 0.5	34	279	17	10	15	45	1.40	< 2	< 10	59	< 0.5	< 2	1.99
1229027190	53.2	8.32	-44.9	57.6	0.145	8.72	0.53	152	2.0	0.5	488	276	< 1	10	< 2	254	1.94	6	< 10	35	< 0.5	11	0.77
1229027268	49.1	21.5	-27.5	53.3	0.404	8.51	0.51	111	0.4	< 0.5	80	455	< 1	10	13	112	2.36	12	< 10	48	< 0.5	< 2	1.76
1117002189	50.6	54.7	4.08	57.3	0.955	8.77	0.75	509	1.1	4.7	70	1420	1	24	133	1210	1.14	36	< 10	43	< 0.5	< 2	2.39
1228004189	10.0	14.0	3.98	9.80	1.43	9.19	0.18	15	< 0.2	< 0.5	24	388	< 1	8	6	89	3.60	5	< 10	47	< 0.5	< 2	1.92
2137505262	3.44	48.6	45.1	3.37	14.4	8.17	0.14	< 5	< 0.2	< 0.5	12	351	1	16	3	60	2.80	2	< 10	85	< 0.5	< 2	2.41
1228004255	14.4	5.96	-8.42	14.1	0.423	9.06	0.18	34	< 0.2	< 0.5	17	466	< 1	8	11	117	3.74	15	< 10	52	< 0.5	< 2	2.38

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228004341	11.6	22.3	10.7	11.3	1.97	9.00	0.15	45	0.4	< 0.5	16	684	< 1	13	28	196	3.60	9	17	36	< 0.5	< 2	2.14
1117002001	40.5	55.6	15.1	44.1	1.26	9.00	0.43	432	1.0	1.2	61	935	< 1	10	105	344	1.88	55	< 10	42	< 0.5	< 2	2.38
1229027252	44.7	9.23	-35.5	48.1	0.192	8.86	0.42	133	0.4	< 0.5	94	396	< 1	11	< 2	170	2.01	9	< 10	42	< 0.5	< 2	0.85
1230044302	43.6	26.4	-17.3	48.4	0.545	8.74	0.55	194	0.4	1.0	158	472	3	15	< 2	360	1.30	7	< 10	49	< 0.5	< 2	1.12
1229027049	75.6	16.6	-59.0	81.2	0.204	8.58	0.69	417	0.9	< 0.5	218	401	< 1	17	3	155	2.01	16	< 10	39	< 0.5	< 2	0.77
1229027027	84.8	8.11	-76.7	90.7	0.0895	8.41	0.74	142	0.5	< 0.5	102	365	< 1	15	2	78	1.81	18	< 10	36	< 0.5	< 2	0.43
1229027265	46.2	10.3	-35.9	50.2	0.205	8.51	0.48	286	0.6	< 0.5	259	352	1	10	< 2	68	1.99	11	< 10	50	< 0.5	< 2	0.85
1229027111	30.9	43.0	12.1	34.0	1.27	9.02	0.36	95	0.6	0.5	97	451	< 1	7	3	181	1.04	4	< 10	74	< 0.5	< 2	1.85
1229027171	76.2	12.3	-63.9	82.1	0.150	8.70	0.72	161	1.2	1.5	149	270	< 1	13	2	453	1.60	11	< 10	30	< 0.5	6	0.89
v845068								648	2.2	< 0.5	23	229	9	7	20	46	1.25	< 2	< 10	48	< 0.5	< 2	0.75
1229040011	90.8	11.1	-79.7	95.2	0.116	8.57	0.61	77	0.4	< 0.5	15	445	1	11	3	63	1.61	6	< 10	38	< 0.5	< 2	0.52
1229040037	24.1	4.85	-19.2	23.6	0.206	8.81	0.14	79	< 0.2	< 0.5	28	306	< 1	9	< 2	65	3.31	8	< 10	26	< 0.5	< 2	0.89
1229040055	30.3	5.85	-24.5	29.7	0.197	8.71	0.17	57	< 0.2	< 0.5	28	379	< 1	11	< 2	79	3.04	5	< 10	26	< 0.5	< 2	0.82
1229040089	88.9	12.7	-76.3	93.7	0.135	8.36	0.64	140	0.8	< 0.5	97	344	< 1	15	7	59	2.04	33	< 10	32	< 0.5	3	0.76
1229040136	64.1	15.7	-48.4	67.1	0.234	8.44	0.42	81	0.6	< 0.5	74	435	1	14	6	126	2.61	15	< 10	32	< 0.5	4	1.03
1229023001	69.6	5.99	-63.6	76.6	0.0782	8.31	0.82	333	1.4	5.8	59	786	< 1	102	17	1380	1.95	73	< 10	29	< 0.5	< 2	0.37
1228003058	49.2	11.4	-37.8	52.1	0.219	8.56	0.38	102	0.7	< 0.5	25	566	< 1	12	24	137	2.96	22	< 10	40	< 0.5	< 2	1.67
1117002111	51.4	44.8	-6.61	62.8	0.714	8.49	1.21	546	5.1	25.4	235	1050	< 1	16	287	5900	1.01	132	< 10	47	< 0.5	< 2	1.71
1229023104	54.4	6.99	-47.4	60.6	0.115	8.26	0.72	144	1.1	6.8	38	410	< 1	16	37	1850	0.45	57	< 10	30	< 0.5	< 2	0.38
1229040071	19.6	17.0	-2.56	22.4	0.761	8.93	0.31	136	< 0.2	< 0.5	44	441	1	13	5	118	1.63	6	< 10	58	< 0.5	< 2	1.06
1229023006	50.7	2.75	-48.0	57.6	0.0477	8.20	0.77	304	3.9	9.9	78	845	< 1	11	327	2250	0.53	77	< 10	18	< 0.5	< 2	0.11
1229040126	72.2	20.1	-52.1	76.3	0.263	8.39	0.54	373	0.6	< 0.5	161	430	< 1	11	5	48	1.64	13	< 10	31	< 0.5	2	1.09
1117002095	92.9	21.4	-71.5	104	0.205	8.42	1.31	2390	13.0	15.5	449	453	< 1	15	1710	3930	0.65	295	< 10	24	< 0.5	< 2	0.91
1229040171	66.9	5.21	-61.7	70.1	0.0742	8.46	0.45	272	0.6	< 0.5	105	252	< 1	9	6	63	1.06	46	< 10	27	< 0.5	3	0.30
1229040110	25.0	10.5	-14.5	24.5	0.430	8.83	0.27	161	0.3	< 0.5	117	421	1	11	5	59	1.84	6	< 10	55	< 0.5	< 2	1.00
1229040160	25.9	20.4	-5.49	28.5	0.718	9.01	0.30	72	0.2	< 0.5	35	487	3	16	4	114	1.65	8	< 10	52	< 0.5	< 2	1.24
1228003024	52.1	27.6	-24.5	56.3	0.489	8.86	0.52	1410	3.6	1.5	43	844	< 1	10	57	409	2.75	35	< 10	30	< 0.5	< 2	1.89
1117002087	52.5	28.1	-24.3	60.0	0.469	8.66	0.84	756	1.3	10.2	77	1130	1	14	57	2480	1.66	81	< 10	29	< 0.5	< 2	1.18
1228003050	14.9	66.6	51.7	17.8	3.75	9.03	0.31	33	0.3	< 0.5	44	448	< 1	45	5	75	2.16	12	< 10	44	< 0.5	< 2	2.81
1228003007	13.4	9.42	-4.01	13.2	0.716	9.95	0.23	17	< 0.2	< 0.5	22	482	< 1	14	7	129	3.12	6	< 10	37	< 0.5	< 2	1.65
v845069								1190	4.3	< 0.5	24	142	7	5	< 2	26	0.54	< 2	< 10	24	< 0.5	< 2	0.50
1228008242	2.19	4.86	2.67	2.14	2.27	9.01	0.16	5	< 0.2	< 0.5	113	438	< 1	46	< 2	43	4.90	< 2	< 10	< 10	< 0.5	< 2	3.08
1228008386	3.44	7.49	4.05	3.37	2.22	8.95	0.23	15	< 0.2	< 0.5	118	439	< 1	44	< 2	77	5.15	< 2	< 10	13	< 0.5	< 2	3.28
1228008225	17.5	2.99	-14.5	17.1	0.174	8.98	0.19	11	< 0.2	< 0.5	13	496	< 1	11	4	164	3.31	5	13	37	< 0.5	< 2	1.22
1229008111	77.6	22.6	-55.0	85.4	0.264	8.42	0.92	81	0.6	4.9	171	428	3	14	4	1330	1.32	10	< 10	32	< 0.5	< 2	1.05
1229008008	27.5	26.5	-1.00	27.0	0.983	8.93	0.26	120	0.2	< 0.5	87	510	< 1	16	< 2	128	1.18	5	< 10	61	< 0.5	< 2	1.24
1229019106	53.1	10.7	-42.4	56.7	0.190	8.62	0.45	306	0.6	< 0.5	137	512	2	13	7	98	1.72	11	< 10	40	< 0.5	< 2	0.93
1229019157	29.1	7.13	-21.9	28.5	0.250	8.77	0.25	68	0.8	< 0.5	34	538	< 1	20	11	108	1.45	32	< 10	40	< 0.5	< 2	0.65
1231026391	67.2	4.62	-62.6	71.4	0.0647	8.44	0.54	903	1.2	< 0.5	69	224	< 1	11	4	50	1.53	37	< 10	34	< 0.5	3	0.27
1231026149	29.7	13.5	-16.2	29.1	0.465	8.77	0.25	109	0.9	< 0.5	45	435	< 1	14	2	131	1.93	12	< 10	36	< 0.5	< 2	0.77
1229008139	40.4	23.6	-16.9	43.8	0.538	8.61	0.41	76	0.3	< 0.5	99	459	3	14	3	79	1.21	8	< 10	51	< 0.5	< 2	1.12
1228008221	15.3	8.10	-7.21	15.0	0.540	8.96	0.26	13	< 0.2	< 0.5	37	476	< 1	9	4	137	3.14	4	< 10	38	< 0.5	< 2	1.35
1231026486	64.1	-0.249	-64.3	68.6	-0.00363	8.40	0.57	53	1.3	< 0.5	97	423	4	13	< 2	177	2.37	11	< 10	27	< 0.5	5	0.20
1231026459	122	21.2	-100	128	0.165	8.10	0.89	29	1.8	2.5	121	278	4	13	2	586	1.47	12	< 10	24	< 0.5	4	0.56
1229008217	55.8	28.0	-27.8	60.0	0.466	8.50	0.52	105	1.5	1.3	74	770	1	14	39	368	1.25	17	< 10	32	< 0.5	< 2	1.26
1229019202	44.2	13.8	-30.4	46.9	0.294	8.57	0.35	126	0.5	< 0.5	123	664	< 1	7	7	175	2.61	14	14	47	< 0.5	< 2	1.20
1229019120	57.9	9.80	-48.1	60.6	0.162	8.52	0.38	448	1.0	< 0.5	185	535	1	9	7	110	1.83	21	< 10	35	< 0.5	< 2	0.95
1231026126	30.6	23.9	-6.75	30.0	0.795	8.79	0.22	91	0.5	< 0.5	34	554	< 1	14	5	111	1.76	7	< 10	39	< 0.5	< 2	1.14

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228011021	51.0	14.7	-36.3	55.4	0.265	8.39	0.53	551	1.0	< 0.5	257	441	3	14	6	80	3.01	10	< 10	44	< 0.5	< 2	1.60
1229019233	14.0	30.4	16.4	16.8	1.80	8.84	0.31	243	0.4	1.6	25	786	1	14	14	437	1.41	43	< 10	43	< 0.5	< 2	1.42
v845070								268	2.9	< 0.5	61	421	< 1	16	7	67	1.57	< 2	< 10	95	< 0.5	< 2	1.32
1117002138	74.0	30.9	-43.1	84.5	0.366	8.45	1.17	200	0.8	17.5	53	932	< 1	14	37	4370	1.28	56	< 10	23	< 0.5	< 2	1.15
1228003127	12.2	10.4	-1.75	11.9	0.874	9.02	0.12	18	< 0.2	< 0.5	18	404	< 1	9	7	68	3.05	8	< 10	36	< 0.5	< 2	1.66
1117002145	83.3	22.0	-61.4	91.9	0.239	8.32	1.00	1730	1.8	11.6	189	810	< 1	10	28	2860	1.14	96	< 10	23	< 0.5	< 2	0.85
1229023075	47.8	26.7	-21.1	50.8	0.525	8.52	0.39	3730	4.1	< 0.5	45	1120	< 1	11	30	171	1.16	61	< 10	32	< 0.5	< 2	1.17
1229023030	5.63	9.27	3.64	5.51	1.68	8.42	0.14	21	0.2	< 0.5	125	646	< 1	48	6	78	4.22	< 2	< 10	27	< 0.5	< 2	2.70
1228003055	25.3	27.8	2.46	24.8	1.12	8.93	0.25	40	< 0.2	0.5	19	477	< 1	26	5	331	2.68	12	< 10	33	< 0.5	< 2	1.77
1229023019	73.9	50.7	-23.3	79.3	0.639	8.52	0.67	876	2.1	< 0.5	19	795	< 1	14	23	109	0.50	111	< 10	20	< 0.5	< 2	2.07
1229023029	2.50	-101	-104	2.45	-41.2	8.69	0.07	5	< 0.2	< 0.5	111	493	< 1	46	2	49	4.66	< 2	< 10	22	< 0.5	< 2	3.01
1229023125	4.06	21.9	17.8	3.98	5.49	8.30	0.14	5	< 0.2	< 0.5	112	656	< 1	47	< 2	49	4.70	< 2	< 10	18	< 0.5	< 2	3.14
1229023028	2.81	12.5	9.70	2.76	4.54	8.50	0.11	6	< 0.2	< 0.5	116	609	< 1	49	4	62	4.91	< 2	< 10	19	< 0.5	< 2	3.21
1230046015	50.3	2.31	-48.0	52.4	0.0442	7.57	0.30	834	1.0	1.0	52	212	< 1	11	164	462	0.53	55	< 10	26	< 0.5	< 2	0.15
1229023077	75.0	12.8	-62.2	78.4	0.163	8.39	0.48	286	2.4	< 0.5	35	535	< 1	13	72	178	0.93	52	< 10	25	< 0.5	< 2	0.66
1230046037	42.5	7.86	-34.6	41.7	0.189	8.62	0.28	335	0.9	< 0.5	25	320	< 1	12	86	142	0.80	55	< 10	35	< 0.5	< 2	0.38
1117002193	69.8	37.8	-32.0	79.0	0.478	8.60	1.04	> 5000	3.2	8.0	120	1200	< 1	15	94	1970	1.46	64	< 10	34	< 0.5	< 2	1.42
1117002118	57.1	26.7	-30.3	64.0	0.418	8.56	0.79	1160	3.6	5.6	47	883	< 1	14	798	1490	1.53	44	< 10	30	< 0.5	< 2	1.07
v845071								1590	9.9	< 0.5	52	333	20	11	6	52	1.39	< 2	< 10	79	< 0.5	< 2	0.90
1228008035	12.2	9.75	-2.43	11.9	0.817	9.07	0.21	33	< 0.2	< 0.5	15	423	< 1	8	6	88	3.14	5	< 10	40	< 0.5	< 2	1.52
1228008091	17.8	11.7	-6.12	17.5	0.670	8.85	0.16	8	< 0.2	< 0.5	29	332	< 1	9	4	66	2.48	3	< 10	71	< 0.5	< 2	1.28
1228008034	10.0	9.98	-0.0217	9.80	1.02	8.98	0.10	63	< 0.2	< 0.5	19	422	< 1	8	4	93	2.87	4	< 10	37	< 0.5	< 2	1.30
1228008181	12.2	21.9	9.67	11.9	1.83	8.55	0.07	7	< 0.2	< 0.5	35	545	< 1	22	4	88	3.13	3	14	46	< 0.5	< 2	1.92
1228008262	20.9	7.01	-13.9	20.5	0.341	8.74	0.23	32	< 0.2	< 0.5	29	475	< 1	9	3	99	2.80	6	< 10	35	< 0.5	< 2	0.90
1117003245	30.8	21.4	-9.40	33.4	0.642	8.79	0.31	2440	0.7	< 0.5	42	708	< 1	10	39	168	2.00	31	< 10	31	< 0.5	< 2	1.50
1228008027	11.3	9.84	-1.41	11.0	0.892	8.81	0.15	26	< 0.2	< 0.5	42	434	16	14	4	89	3.23	5	< 10	41	< 0.5	< 2	1.65
1228008145	5.94	12.7	6.74	5.82	2.18	8.85	0.14	8	< 0.2	< 0.5	94	506	< 1	39	< 2	48	4.40	< 2	< 10	45	< 0.5	< 2	2.62
1117003004	23.3	46.8	23.5	27.0	1.74	8.40	0.40	173	0.6	1.5	32	956	< 1	11	80	511	1.68	37	< 10	69	< 0.5	< 2	1.95
1117003129	65.1	26.2	-38.9	71.4	0.367	8.62	0.74	1060	1.6	3.9	62	791	< 1	9	240	1200	1.33	82	< 10	26	< 0.5	< 2	1.10
2134001004	1.88	15.7	13.8	1.84	8.52	9.44	0.17	< 5	< 0.2	< 0.5	7	321	1	17	2	49	2.12	5	< 10	83	< 0.5	< 2	1.31
2134001068	3.13	25.8	22.7	3.06	8.44	8.28	0.19	< 5	< 0.2	< 0.5	38	355	< 1	24	< 2	68	2.39	< 2	< 10	57	< 0.5	< 2	2.05
2137506226	7.81	24.3	16.5	7.66	3.18	8.84	0.27	10	0.3	< 0.5	45	318	1	20	5	61	2.31	7	< 10	59	< 0.5	< 2	1.83
1228008198	14.4	10.3	-4.06	14.1	0.732	8.93	0.23	49	< 0.2	< 0.5	75	410	< 1	25	< 2	87	3.26	< 2	< 10	52	< 0.5	< 2	2.03
1228008147	11.6	13.9	2.34	11.3	1.23	9.01	0.22	58	< 0.2	< 0.5	60	416	< 1	22	3	81	3.35	< 2	< 10	63	< 0.5	< 2	1.88
1228008142	2.19	15.4	13.2	2.14	7.19	8.50	0.13	7	< 0.2	< 0.5	102	604	< 1	56	< 2	50	4.17	2	< 10	16	< 0.5	< 2	2.66
1117003206	26.1	29.0	2.87	28.8	1.01	8.88	0.31	518	0.8	0.9	24	618	< 1	8	40	310	1.64	69	< 10	34	< 0.5	< 2	1.47
v845072								720	3.7	< 0.5	34	263	14	10	26	44	1.18	3	< 10	61	< 0.5	< 2	1.83
1229019089	207	8.61	-198	215	0.0401	7.47	1.22	> 5000	5.0	< 0.5	1600	346	< 1	14	21	183	0.92	43	< 10	21	< 0.5	21	0.43
1229019039	70.6	9.12	-61.5	75.3	0.121	8.22	0.60	225	1.1	< 0.5	129	339	< 1	6	8	60	1.28	27	< 10	32	< 0.5	4	0.48
1129008161	60.9	37.6	-23.3	67.1	0.561	8.61	0.72	228	2.0	2.2	71	779	< 1	13	38	551	1.23	33	< 10	30	< 0.5	< 2	1.47
1228008304	51.1	8.54	-42.6	54.5	0.157	8.61	0.43	82	0.5	< 0.5	44	389	< 1	12	5	88	3.17	8	< 10	31	< 0.5	< 2	1.65
1228008406	26.0	17.0	-9.01	29.7	0.573	8.80	0.41	81	< 0.2	< 0.5	111	548	3	30	< 2	96	3.54	< 2	< 10	40	< 0.5	< 2	2.42
1229019028	47.7	5.05	-42.7	53.0	0.0953	8.13	0.61	112	1.2	1.8	193	707	5	21	14	754	2.31	27	< 10	52	< 0.5	3	0.45
2137506176	2.50	4.44	1.94	2.45	1.81	9.21	0.17	< 5	< 0.2	< 0.5	13	387	< 1	17	5	49	4.00	< 2	< 10	101	< 0.5	< 2	2.02
1228008443	19.1	10.8	-8.30	18.7	0.576	8.89	0.27	56	< 0.2	< 0.5	49	601	2	12	5	124	2.51	12	< 10	52	< 0.5	< 2	1.57
1228008317	65.1	16.5	-48.6	69.8	0.236	8.68	0.59	196	0.6	< 0.5	106	350	2	12	5	74	1.82	11	< 10	32	< 0.5	< 2	0.97
1228008463	24.1	9.54	-14.5	23.6	0.405	8.85	0.24	176	0.5	< 0.5	76	529	1	8	8	88	2.34	11	< 10	52	< 0.5	< 2	1.00
1229019005	31.7	0.988	-30.7	34.3	0.0288	8.27	0.32	284	0.5	< 0.5	92	527	< 1	11	6	162	1.92	15	< 10	36	< 0.5	< 2	0.51
1228008295	39.5	9.41	-30.1	42.6	0.221	8.35	0.38	1110	0.6	< 0.5	160	490	< 1	13	6	82	2.46	7	< 10	33	< 0.5	2	0.73

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228008038	16.3	26.5	10.2	15.9	1.66	8.78	0.21	13	< 0.2	< 0.5	20	653	< 1	13	5	135	3.28	3	14	33	< 0.5	< 2	2.14
1228004034	54.5	15.1	-39.4	58.5	0.258	8.28	0.50	160	0.4	< 0.5	53	428	< 1	10	7	74	3.24	7	< 10	27	< 0.5	< 2	1.81
1228008240	3.13	9.11	5.99	3.06	2.98	8.95	0.15	8	< 0.2	< 0.5	112	433	< 1	42	< 2	51	4.94	< 2	< 10	12	< 0.5	< 2	3.12
v845073								1610	10.0	< 0.5	53	347	20	12	6	54	1.52	< 2	< 10	78	< 0.5	< 2	1.00
1229019068	53.8	11.1	-42.7	58.8	0.189	8.25	0.59	602	1.2	< 0.5	295	488	2	9	7	66	1.89	20	< 10	35	< 0.5	< 2	0.87
1230040142	61.6	7.18	-54.4	65.8	0.109	8.36	0.54	212	1.1	< 0.5	157	436	< 1	20	7	153	2.19	24	< 10	38	< 0.5	< 2	0.47
1230040214	38.3	15.2	-23.2	41.7	0.364	8.49	0.40	182	0.5	< 0.5	196	322	< 1	11	< 2	35	2.34	5	< 10	30	< 0.5	< 2	1.23
1117001191	46.3	70.8	24.4	52.1	1.36	8.88	0.65	494	1.4	4.9	74	1300	< 1	10	84	1040	1.10	35	< 10	29	< 0.5	< 2	2.62
1117001160	48.3	58.5	10.2	53.6	1.09	8.74	0.61	297	5.1	3.5	50	1110	< 1	11	53	820	1.02	42	< 10	26	< 0.5	< 2	2.09
1230040088	52.5	7.66	-44.8	56.7	0.135	8.20	0.51	226	0.4	< 0.5	189	230	1	9	< 2	32	2.54	5	< 10	42	< 0.5	< 2	1.07
1230040310	47.7	13.6	-34.1	51.5	0.264	8.30	0.46	536	0.6	< 0.5	174	229	1	8	< 2	25	1.93	5	< 10	33	< 0.5	4	0.93
1230040411	48.1	13.1	-35.0	51.8	0.253	8.54	0.45	1590	0.7	< 0.5	201	296	< 1	5	< 2	38	1.56	5	< 10	43	< 0.5	4	0.57
1230040206	44.6	7.69	-36.9	48.1	0.160	8.32	0.43	67	< 0.2	< 0.5	33	180	< 1	12	< 2	21	2.10	3	< 10	32	< 0.5	< 2	0.87
1117002258	57.3	21.4	-35.9	63.1	0.339	8.36	0.68	> 5000	2.5	0.6	72	794	< 1	15	21	308	1.52	35	< 10	22	< 0.5	< 2	0.88
1117002233	54.1	12.2	-41.9	58.8	0.207	8.42	0.57	1980	1.2	< 0.5	119	762	1	14	38	227	1.70	45	< 10	23	< 0.5	< 2	0.52
1230040498	16.6	23.8	7.26	16.2	1.47	8.83	0.20	58	0.3	< 0.5	30	411	< 1	11	3	101	1.87	7	< 10	34	< 0.5	< 2	0.98
1117003120	103	6.71	-96.4	110	0.0610	8.02	0.87	> 5000	4.1	7.1	310	364	1	11	25	1870	0.75	150	< 10	18	< 0.5	< 2	0.33
1117002234	74.7	10.4	-64.3	79.0	0.131	8.48	0.57	760	1.3	< 0.5	64	461	< 1	14	39	156	1.10	91	< 10	23	< 0.5	< 2	0.45
1228003401	71.8	37.4	-34.3	77.2	0.485	8.48	0.67	132	1.4	3.1	70	687	< 1	13	10	724	1.35	18	< 10	35	< 0.5	< 2	1.62
1230040388	14.1	10.0	-4.05	13.8	0.726	8.59	0.16	48	< 0.2	< 0.5	33	639	3	12	5	209	2.07	6	13	50	< 0.5	< 2	0.61
1232109010	30.9	16.3	-14.7	30.3	0.537	8.70	0.29	41	0.3	< 0.5	49	532	< 1	24	17	102	2.75	12	< 10	62	< 0.5	< 2	2.02
1117003144	57.7	54.2	-3.54	64.3	0.842	8.70	0.76	399	1.3	4.9	107	961	1	20	40	1030	1.59	59	< 10	33	0.7	< 2	2.12
v845074								255	2.7	< 0.5	60	415	< 1	16	7	65	1.54	< 2	< 10	94	< 0.5	< 2	1.34
1117002235	92.7	5.31	-87.4	96.8	0.0549	7.86	0.58	804	2.3	< 0.5	113	478	1	13	40	153	1.28	95	< 10	26	< 0.5	< 2	0.27
1230040001	57.1	18.6	-38.5	61.6	0.302	8.14	0.55	73	0.3	< 0.5	95	289	9	14	< 2	56	2.72	7	< 10	32	< 0.5	< 2	1.62
1230040264	45.0	16.7	-28.3	48.4	0.345	8.44	0.42	754	3.3	< 0.5	69	382	2	12	7	61	1.75	9	< 10	40	< 0.5	9	0.79
1228008011	10.0	17.4	7.39	9.80	1.77	9.14	0.19	19	< 0.2	< 0.5	18	414	< 1	9	5	102	3.50	6	< 10	46	< 0.5	< 2	2.19
1117003023	74.2	15.5	-58.6	82.1	0.189	8.59	0.92	502	2.9	11.2	164	797	< 1	12	49	2710	1.61	100	< 10	25	< 0.5	< 2	0.60
1230040223	39.5	16.6	-22.9	42.0	0.395	8.69	0.32	61	0.4	< 0.5	121	265	4	9	< 2	52	2.33	6	< 10	37	< 0.5	< 2	1.28
1230040110	42.4	12.3	-30.1	45.6	0.269	8.64	0.40	155	0.8	< 0.5	175	322	6	17	< 2	68	2.75	7	< 10	39	< 0.5	< 2	1.46
1230040336	75.8	9.80	-66.0	80.2	0.122	8.46	0.58	160	1.1	< 0.5	200	360	3	11	< 2	98	1.78	10	< 10	33	< 0.5	< 2	0.74
1230040445	46.9	13.2	-33.7	50.5	0.262	8.58	0.45	100	0.5	< 0.5	101	333	< 1	10	2	144	2.62	13	< 10	39	< 0.5	< 2	1.18
1117003080	65.8	10.9	-55.0	70.4	0.154	8.55	0.58	690	1.5	5.6	50	325	< 1	15	54	1440	0.75	167	< 10	34	< 0.5	< 2	0.48
1230040456	39.2	9.48	-29.7	42.0	0.226	8.81	0.35	127	0.7	< 0.5	298	268	11	8	< 2	41	2.04	5	< 10	23	< 0.5	< 2	0.74
1230040049	62.5	20.1	-42.4	66.8	0.301	8.56	0.54	1160	0.7	< 0.5	227	312	1	11	6	51	1.41	18	< 10	33	< 0.5	2	0.86
1230040342	44.5	12.8	-31.6	48.1	0.267	8.81	0.44	47	0.7	< 0.5	161	314	8	10	< 2	88	2.62	6	< 10	29	< 0.5	3	1.26
1117003176	31.8	18.0	-13.7	37.1	0.487	8.85	0.58	584	1.4	8.5	50	802	< 1	9	34	2110	1.63	39	< 10	29	< 0.5	< 2	1.07
1230040077	86.9	11.6	-75.3	92.8	0.125	8.48	0.75	723	1.8	< 0.5	1130	250	< 1	11	5	43	1.29	18	< 10	31	< 0.5	3	0.56
1230040535	36.5	10.7	-25.7	39.2	0.273	8.57	0.34	276	0.6	< 0.5	172	305	10	9	< 2	43	1.97	7	< 10	26	< 0.5	< 2	0.62
1117003161	33.2	19.1	-14.1	40.1	0.476	8.73	0.74	856	1.5	11.2	93	811	< 1	10	86	2880	1.81	52	< 10	31	< 0.5	< 2	1.15
1228008043	13.1	14.6	1.45	12.9	1.13	9.03	0.13	15	< 0.2	< 0.5	21	442	< 1	9	5	113	2.73	6	13	36	< 0.5	< 2	1.24
1230040078	56.9	7.59	-49.3	60.3	0.126	8.61	0.45	498	0.7	< 0.5	245	358	< 1	10	10	57	1.68	11	< 10	40	< 0.5	< 2	0.43
v845075								1630	9.9	< 0.5	53	339	19	12	6	52	1.48	< 2	< 10	79	< 0.5	< 2	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
1229027081	6	115	3.63	< 10	< 1	0.22	39	0.98	0.037	0.135	2.14	2	3	104	< 0.01	< 1	< 2	< 10	26	< 10	5	5	0.56
1229027037	10	121	3.32	< 10	< 1	0.22	18	1.25	0.062	0.051	2.35	< 2	2	32	0.03	3	< 2	< 10	17	< 10	3	19	0.17
1229027234	7	169	2.42	< 10	< 1	0.18	12	1.05	0.100	0.037	2.23	< 2	< 1	38	< 0.01	< 1	< 2	< 10	6	< 10	2	14	0.23
1229027196	8	112	2.79	< 10	< 1	0.24	25	0.87	0.090	0.085	1.97	< 2	1	78	0.05	< 1	< 2	< 10	17	< 10	4	13	0.14
1230040169	12	130	3.71	< 10	< 1	0.31	32	1.33	0.034	0.101	1.79	2	3	107	0.03	< 1	< 2	< 10	35	< 10	3	10	0.09
1230040275	10	141	3.05	< 10	< 1	0.32	13	1.32	0.058	0.042	0.92	< 2	3	31	0.06	< 1	< 2	< 10	32	< 10	3	9	0.23
1117003107	7	99	2.40	< 10	< 1	0.34	16	1.27	0.026	0.037	1.74	3	< 1	38	0.03	< 1	< 2	< 10	9	< 10	2	23	0.30
1230040048	9	81	3.17	< 10	< 1	0.24	13	0.82	0.030	0.038	2.43	< 2	1	16	0.01	< 1	< 2	< 10	12	< 10	2	11	0.18
1230040151	8	86	3.05	< 10	< 1	0.25	11	0.87	0.024	0.035	2.29	< 2	< 1	16	< 0.01	< 1	< 2	< 10	9	< 10	1	9	0.25
1230040175	7	116	3.27	< 10	< 1	0.24	11	0.96	0.036	0.038	1.36	2	< 1	20	0.03	2	< 2	< 10	11	< 10	2	9	0.13
1117003030	7	98	3.27	< 10	< 1	0.30	16	1.04	0.026	0.039	2.32	3	< 1	15	< 0.01	< 1	< 2	< 10	7	< 10	2	14	0.14
1117001169	8	143	2.50	< 10	< 1	0.22	< 10	0.96	0.029	0.040	2.41	2	< 1	24	< 0.01	< 1	< 2	< 10	4	< 10	2	11	0.93
1230040179	6	87	3.26	< 10	< 1	0.28	< 10	0.75	0.044	0.033	1.34	< 2	< 1	29	0.03	< 1	< 2	< 10	9	< 10	1	10	0.07
1230040379	6	77	3.01	< 10	< 1	0.21	< 10	1.07	0.056	0.034	0.76	2	1	51	0.02	1	< 2	< 10	13	< 10	1	10	0.16
1117003057	8	125	2.80	< 10	< 1	0.25	14	0.50	0.023	0.044	2.45	5	< 1	20	< 0.01	1	< 2	< 10	6	< 10	2	15	0.08
1230040026	9	164	3.43	< 10	< 1	0.13	14	1.16	0.228	0.036	1.81	2	2	113	< 0.01	1	< 2	< 10	24	< 10	3	9	0.07
1230040464	7	174	3.25	< 10	< 1	0.22	12	0.72	0.211	0.041	1.87	2	< 1	129	0.01	< 1	< 2	< 10	9	< 10	2	12	0.17
1230040414	8	137	3.87	< 10	< 1	0.18	< 10	0.80	0.103	0.034	2.13	2	< 1	62	0.02	< 1	< 2	< 10	7	< 10	2	12	0.08
1230040100	7	146	2.59	< 10	< 1	0.17	16	1.31	0.173	0.042	1.81	< 2	< 1	84	< 0.01	< 1	< 2	< 10	12	< 10	2	17	0.17
v845063	13	12	3.42	< 10	< 1	0.21	< 10	0.51	0.257	0.057	0.06	< 2	4	36	0.45	7	< 2	< 10	95	< 10	16	17	< 0.01
1229022278	20	136	3.84	< 10	< 1	0.15	< 10	1.56	0.526	0.024	0.44	< 2	5	60	0.17	< 1	< 2	< 10	107	< 10	4	6	0.08
1229022295	20	131	3.81	< 10	< 1	0.08	< 10	1.53	0.614	0.020	0.19	< 2	6	65	0.19	< 1	< 2	< 10	120	< 10	4	4	0.05
1228003285	10	142	2.96	< 10	< 1	0.16	24	1.24	0.089	0.059	2.66	2	2	62	< 0.01	< 1	< 2	< 10	13	< 10	2	17	0.23
1228003316	9	102	2.75	< 10	< 1	0.13	24	1.16	0.087	0.056	2.82	< 2	< 1	71	< 0.01	< 1	< 2	< 10	10	< 10	2	13	0.17
1228003269	8	150	3.41	< 10	< 1	0.16	11	0.88	0.114	0.036	2.90	2	1	98	< 0.01	< 1	< 2	< 10	9	< 10	2	18	0.05
1117002178	7	160	2.80	< 10	< 1	0.25	14	0.79	0.024	0.038	2.21	2	< 1	17	< 0.01	< 1	< 2	< 10	6	< 10	2	13	0.55
1228003237	17	166	2.89	< 10	< 1	0.13	19	1.15	0.117	0.054	0.80	< 2	2	90	< 0.01	< 1	< 2	< 10	19	< 10	3	10	0.47
1228003308	8	213	2.89	< 10	< 1	0.13	15	1.10	0.198	0.042	2.69	2	< 1	130	< 0.01	< 1	< 2	< 10	9	< 10	3	17	0.20
1117002158	9	149	2.78	< 10	< 1	0.25	< 10	0.56	0.030	0.039	2.96	3	< 1	23	< 0.01	< 1	< 2	< 10	4	< 10	2	10	0.82
1228003221	7	157	1.69	< 10	< 1	0.16	16	0.39	0.133	0.044	0.41	< 2	1	130	0.03	< 1	< 2	< 10	8	< 10	2	7	0.20
1228003167	6	128	1.76	< 10	< 1	0.20	16	0.77	0.136	0.043	0.33	< 2	< 1	171	0.03	< 1	< 2	< 10	10	< 10	3	8	0.15
1228003205	17	283	2.68	< 10	< 1	0.16	23	1.82	0.077	0.072	0.35	3	5	100	< 0.01	< 1	< 2	< 10	37	< 10	4	7	1.03
1228003070	10	196	2.28	< 10	< 1	0.18	19	1.42	0.102	0.057	0.46	3	3	191	0.01	< 1	< 2	< 10	21	< 10	3	5	0.50
1117002148	9	125	4.57	< 10	< 1	0.24	11	1.07	0.022	0.038	4.33	5	< 1	21	< 0.01	< 1	< 2	< 10	7	< 10	2	14	0.53
1228003156	8	175	2.02	< 10	< 1	0.16	17	1.03	0.077	0.054	0.49	< 2	2	97	0.01	< 1	< 2	< 10	18	< 10	3	6	0.38
1228003066	9	121	1.88	< 10	< 1	0.18	17	0.91	0.100	0.050	0.57	< 2	2	115	< 0.01	< 1	< 2	< 10	14	< 10	3	9	0.22
1228003135	8	93	1.98	< 10	< 1	0.17	16	0.73	0.089	0.044	0.66	2	1	96	0.02	< 1	< 2	< 10	11	< 10	3	10	0.11
v845064	6	10	2.12	< 10	< 1	0.16	19	0.24	0.199	0.034	0.03	< 2	2	36	0.31	2	< 2	< 10	43	< 10	16	22	< 0.01
1117002055	9	138	3.21	< 10	< 1	0.30	19	0.96	0.040	0.060	2.90	6	1	39	0.01	< 1	< 2	< 10	12	< 10	3	20	0.25
1117002071	13	122	4.21	< 10	< 1	0.20	13	1.30	0.027	0.040	3.25	3	< 1	21	< 0.01	< 1	< 2	< 10	9	< 10	2	14	0.31
1117002010	10	150	2.54	< 10	< 1	0.19	22	1.05	0.075	0.053	1.37	< 2	1	75	0.02	1	< 2	< 10	12	< 10	4	14	0.31
1117002024	12	125	2.90	< 10	< 1	0.23	22	1.14	0.078	0.058	1.62	< 2	1	85	0.03	< 1	< 2	< 10	14	< 10	4	14	0.29
1117002008	10	150	2.57	< 10	< 1	0.25	24	1.26	0.084	0.065	1.04	3	2	98	0.04	< 1	< 2	< 10	17	< 10	5	11	0.29
2134002002	8	251	2.04	< 10	< 1	0.48	21	0.64	0.070	0.043	0.04	< 2	2	45	0.10	< 1	< 2	< 10	26	< 10	5	23	0.48
2134002006	8	181	2.08	< 10	< 1	0.58	20	0.93	0.108	0.043	0.09	2	2	79	0.12	1	< 2	< 10	30	< 10	5	19	0.34
1117002057	10	104	3.05	< 10	< 1	0.21	21	0.89	0.051	0.051	2.33	2	< 1	32	< 0.01	1	< 2	< 10	10	< 10	3	18	0.21
2134002028	8	223	2.19	< 10	< 1	0.59	20	0.68	0.087	0.044	0.11	< 2	2	40	0.11	< 1	< 2	< 10	31	< 10	5	19	0.44
1228004010	9	134	3.05	< 10	< 1	0.13	11	1.19	0.296	0.035	2.36	2	2	194	0.02	< 1	< 2	< 10	23	< 10	3	16	0.22
1228004276	9	110	2.04	< 10	< 1	0.20	18	0.86	0.106	0.052	0.43	< 2	1	207	0.03	< 1	< 2	< 10	13	< 10	3	7	0.20
2137505278	8	125	2.28	< 10	< 1	0.33	21	0.56	0.307	0.043	0.22	< 2	2	206	0.10	1	< 2	< 10	24	< 10	5	12	0.12
1229027281	7	143	2.32	< 10	< 1	0.17	14	0.95	0.130	0.039	2.12	< 2	< 1	54	< 0.01	< 1	< 2	< 10	7	< 10	2	12	0.09

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
1229027326	5	147	1.68	< 10	< 1	0.19	15	1.25	0.135	0.040	1.16	< 2	< 1	58	< 0.01	< 1	< 2	< 10	9	< 10	2	12	0.16
v845065	17	13	3.78	< 10	< 1	0.43	30	0.79	0.205	0.094	0.08	5	6	53	0.47	3	< 2	< 10	124	< 10	23	14	0.09
1117001088	10	122	2.20	< 10	< 1	0.24	< 10	0.83	0.031	0.043	2.32	3	< 1	22	< 0.01	< 1	< 2	< 10	4	< 10	2	11	0.88
1229022153	12	131	2.45	< 10	< 1	0.19	21	1.61	0.118	0.045	1.95	3	< 1	37	0.01	1	< 2	< 10	11	< 10	3	14	0.24
1229022222	8	150	3.63	< 10	< 1	0.17	18	1.48	0.204	0.043	2.18	3	1	92	< 0.01	< 1	< 2	< 10	13	< 10	2	14	0.18
1117001028	9	111	2.61	< 10	< 1	0.26	18	0.93	0.036	0.052	2.25	3	< 1	30	< 0.01	< 1	< 2	< 10	6	< 10	2	13	0.90
1231025186	4	207	2.72	< 10	< 1	0.24	12	0.60	0.106	0.035	1.52	3	< 1	83	0.02	< 1	< 2	< 10	9	< 10	2	10	0.17
1229022263	5	140	3.20	< 10	< 1	0.22	32	0.95	0.085	0.053	1.89	< 2	1	80	< 0.01	< 1	< 2	< 10	10	< 10	3	14	0.37
1231025241	2	174	2.07	< 10	< 1	0.17	11	0.72	0.092	0.038	0.79	< 2	< 1	84	< 0.01	2	< 2	< 10	11	< 10	2	10	0.05
1231025364	4	208	1.89	< 10	< 1	0.14	15	1.08	0.162	0.039	1.09	< 2	1	71	< 0.01	2	< 2	< 10	13	< 10	3	10	0.04
1117001073	10	152	2.12	< 10	< 1	0.25	10	0.38	0.030	0.036	2.22	3	< 1	14	< 0.01	< 1	< 2	< 10	4	< 10	1	8	0.22
1117001140	8	206	2.40	< 10	< 1	0.19	< 10	0.74	0.028	0.041	2.51	3	< 1	26	< 0.01	< 1	< 2	< 10	4	< 10	2	10	0.72
1231025335	6	173	2.50	< 10	< 1	0.12	< 10	0.87	0.077	0.033	1.28	< 2	< 1	69	< 0.01	< 1	< 2	< 10	8	< 10	1	9	0.11
1231025399	8	158	2.22	< 10	< 1	0.16	15	0.75	0.221	0.039	1.80	< 2	< 1	102	< 0.01	< 1	< 2	< 10	8	< 10	2	9	0.04
1117001105	8	149	2.27	< 10	< 1	0.22	< 10	0.64	0.025	0.039	2.15	3	< 1	28	< 0.01	< 1	< 2	< 10	4	< 10	2	10	1.05
1117001159	7	160	1.90	< 10	< 1	0.23	< 10	0.77	0.026	0.039	1.46	< 2	< 1	26	< 0.01	< 1	< 2	< 10	4	< 10	2	9	1.01
1231025344	11	221	2.77	< 10	< 1	0.23	17	1.33	0.075	0.062	2.10	3	1	50	< 0.01	1	< 2	< 10	13	< 10	2	11	0.25
1229022232	14	240	3.56	< 10	< 1	0.36	14	1.55	0.190	0.040	1.37	< 2	3	41	0.09	< 1	< 2	< 10	47	< 10	3	13	0.33
v845066	5	9	1.53	< 10	< 1	0.07	< 10	0.12	0.149	0.031	0.02	< 2	1	21	0.27	1	< 2	< 10	38	< 10	7	14	0.04
1229022068	10	203	2.59	< 10	< 1	0.18	13	0.86	0.062	0.038	2.01	< 2	2	23	0.03	2	< 2	< 10	17	< 10	2	16	0.18
1229022021	8	183	2.43	< 10	< 1	0.15	13	0.81	0.067	0.038	1.57	< 2	1	32	< 0.01	< 1	< 2	< 10	14	< 10	2	12	0.38
1229022130	9	140	2.63	< 10	< 1	0.17	20	0.92	0.134	0.047	1.70	< 2	1	52	< 0.01	1	< 2	< 10	13	< 10	2	13	0.16
1229022213	6	103	3.23	< 10	< 1	0.19	16	1.68	0.089	0.041	1.58	< 2	< 1	38	< 0.01	< 1	< 2	< 10	12	< 10	2	14	0.12
1229022110	23	127	3.98	< 10	< 1	0.04	< 10	1.87	0.453	0.018	0.12	< 2	6	66	0.22	< 1	< 2	< 10	130	< 10	5	4	0.08
1229022215	7	144	3.06	< 10	< 1	0.18	15	1.62	0.108	0.043	1.27	3	1	43	< 0.01	< 1	< 2	< 10	12	< 10	2	14	0.12
1229022169	8	101	3.20	< 10	< 1	0.18	17	1.32	0.124	0.044	2.16	< 2	< 1	52	< 0.01	< 1	< 2	< 10	12	< 10	2	15	0.09
1231025316	7	132	2.14	< 10	< 1	0.08	13	0.82	0.099	0.041	1.40	< 2	1	82	< 0.01	< 1	< 2	< 10	11	< 10	2	8	0.50
1231025127	10	162	3.66	< 10	< 1	0.25	13	0.98	0.062	0.045	1.45	< 2	3	37	0.07	< 1	< 2	< 10	38	< 10	4	10	0.33
1117001121	9	138	2.33	< 10	< 1	0.25	10	0.66	0.027	0.043	2.42	3	< 1	18	< 0.01	< 1	< 2	< 10	4	< 10	2	11	0.87
1231025158	9	149	3.34	< 10	< 1	0.22	14	0.88	0.123	0.043	1.75	< 2	2	69	0.04	< 1	< 2	< 10	21	< 10	3	12	0.31
1231025361	5	131	2.86	< 10	< 1	0.17	14	0.82	0.256	0.038	2.07	< 2	< 1	124	< 0.01	< 1	< 2	< 10	11	< 10	3	10	0.09
1231025200	6	133	2.91	< 10	< 1	0.19	12	0.66	0.176	0.039	1.48	2	1	113	0.03	< 1	< 2	< 10	9	< 10	2	13	0.11
1231025267	6	171	3.39	< 10	< 1	0.22	11	1.12	0.041	0.034	1.05	2	1	41	< 0.01	< 1	< 2	< 10	13	< 10	2	11	0.11
1229022188	20	101	3.70	< 10	< 1	0.14	< 10	1.68	0.376	0.024	0.90	2	5	57	0.16	< 1	< 2	< 10	86	< 10	4	7	0.08
1117001001	9	122	2.50	< 10	< 1	0.22	19	1.21	0.075	0.049	1.26	< 2	1	48	0.02	< 1	< 2	< 10	13	< 10	3	12	0.53
1117001030	9	85	2.48	< 10	< 1	0.26	20	0.79	0.033	0.054	2.01	2	< 1	24	< 0.01	1	< 2	< 10	6	< 10	2	13	0.66
1229022274	12	155	3.43	< 10	< 1	0.34	14	1.07	0.087	0.040	2.44	2	1	41	0.03	< 1	< 2	< 10	14	< 10	2	15	0.09
2137503154	11	203	2.54	< 10	< 1	0.27	18	1.25	0.169	0.044	0.24	< 2	4	102	0.05	< 1	< 2	< 10	39	15	4	15	0.06
1117001083	8	127	2.34	< 10	< 1	0.24	12	0.84	0.027	0.040	1.99	4	< 1	22	< 0.01	< 1	< 2	< 10	4	< 10	2	11	0.70
1117001035	8	105	2.60	< 10	< 1	0.24	23	0.81	0.037	0.058	1.24	2	< 1	20	< 0.01	< 1	< 2	< 10	8	< 10	3	10	0.24
v845067	9	12	3.30	< 10	< 1	0.25	17	0.45	0.197	0.048	0.04	< 2	3	49	0.31	4	< 2	< 10	61	< 10	19	17	0.39
1229027190	4	113	2.72	< 10	< 1	0.22	14	1.15	0.102	0.042	1.93	< 2	< 1	40	< 0.01	< 1	< 2	< 10	7	< 10	2	16	0.08
1229027268	8	127	2.64	< 10	< 1	0.30	29	1.14	0.201	0.101	1.78	< 2	2	146	0.07	< 1	< 2	< 10	23	< 10	4	11	0.22
1117002189	10	151	2.58	< 10	< 1	0.27	11	1.08	0.031	0.053	2.02	2	2	56	< 0.01	< 1	< 2	< 10	13	< 10	2	13	0.90
1228004189	7	95	1.93	< 10	< 1	0.15	18	0.75	0.156	0.051	0.33	< 2	1	199	0.02	< 1	< 2	< 10	13	< 10	3	6	0.18
2137505262	8	197	2.24	< 10	< 1	0.36	20	0.47	0.237	0.043	0.12	3	2	289	0.11	< 1	< 2	< 10	28	< 10	5	14	0.39
1228004255	8	108	2.14	< 10	< 1	0.19	18	0.88	0.159	0.050	0.47	< 2	1	247	0.03	< 1	< 2	< 10	15	< 10	3	8	0.26
1228004341	10	76	2.57	< 10	< 1	0.17	15	1.38	0.071	0.046	0.37	< 2	3	98	0.03	< 1	< 2	< 10	28	< 10	3	8	0.27
1117002001	9	74	2.52	< 10	< 1	0.24	20	1.16	0.059	0.054	1.41	< 2	< 1	36	< 0.01	< 1	< 2	< 10	11	< 10	3	9	0.67
1229027252	9	141	2.59	< 10	< 1	0.15	18	1.20	0.159	0.050	1.71	< 2	1	79	< 0.01	< 1	< 2	< 10	15	< 10	2	16	0.13
1230044302	9	182	2.38	< 10	< 1	0.14	14	0.96	0.076	0.038	1.64	2	1	30	< 0.01	< 1	< 2	< 10	13	< 10	2	13	0.32

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1229027049	10	126	3.85	< 10	< 1	0.22	20	1.57	0.049	0.051	2.77	3	1	35	< 0.01	< 1	< 2	< 10	14	< 10	3	17	0.21
1229027027	10	118	3.82	< 10	< 1	0.19	18	1.56	0.041	0.044	3.07	2	< 1	20	< 0.01	1	< 2	< 10	11	< 10	2	18	0.14
1229027265	8	158	2.67	< 10	< 1	0.16	18	1.09	0.183	0.046	1.79	< 2	1	110	0.01	< 1	< 2	< 10	14	< 10	2	17	0.11
1229027111	6	102	2.14	< 10	< 1	0.25	44	0.50	0.049	0.063	1.19	< 2	< 1	107	< 0.01	3	< 2	< 10	8	< 10	4	10	0.52
1229027171	6	154	3.60	< 10	< 1	0.22	12	1.04	0.073	0.039	3.07	3	1	30	< 0.01	2	< 2	< 10	7	< 10	2	16	0.26
v845068	6	10	2.11	< 10	< 1	0.17	19	0.24	0.206	0.035	0.03	< 2	2	36	0.32	5	< 2	< 10	43	< 10	16	25	< 0.01
1229040011	8	112	3.55	< 10	< 1	0.23	14	1.25	0.033	0.041	3.40	< 2	< 1	26	< 0.01	1	< 2	< 10	7	< 10	2	14	0.11
1229040037	8	91	2.18	< 10	< 1	0.10	15	1.08	0.067	0.044	0.83	< 2	1	64	< 0.01	< 1	< 2	< 10	15	< 10	1	9	0.05
1229040055	7	110	2.38	< 10	< 1	0.10	13	1.16	0.058	0.041	1.03	< 2	1	56	< 0.01	< 1	< 2	< 10	15	< 10	1	9	0.07
1229040089	11	110	3.61	< 10	< 1	0.22	16	0.89	0.057	0.041	3.38	2	< 1	64	< 0.01	< 1	< 2	< 10	7	< 10	3	16	0.15
1229040136	11	145	3.30	< 10	< 1	0.13	18	1.00	0.056	0.050	2.25	< 2	< 1	84	< 0.01	1	< 2	< 10	11	< 10	2	13	0.21
1229023001	24	468	3.66	< 10	< 1	0.19	28	1.99	0.025	0.109	2.52	5	8	18	< 0.01	< 1	< 2	< 10	47	< 10	4	10	0.10
1228003058	7	196	2.19	< 10	< 1	0.24	15	0.87	0.176	0.043	1.82	3	< 1	145	< 0.01	< 1	< 2	< 10	9	< 10	2	11	0.40
1117002111	10	213	2.73	< 10	< 1	0.28	20	0.69	0.025	0.061	2.27	5	1	40	< 0.01	< 1	< 2	< 10	10	< 10	3	14	0.58
1229023104	8	167	1.96	< 10	< 1	0.22	13	0.15	0.023	0.030	2.12	3	< 1	14	< 0.01	< 1	< 2	< 10	4	< 10	2	9	0.12
1229040071	7	195	1.98	< 10	< 1	0.24	14	0.78	0.126	0.040	0.76	< 2	1	80	0.04	< 1	< 2	< 10	15	< 10	2	10	0.24
1229023006	7	134	2.06	< 10	< 1	0.13	12	0.38	0.019	0.041	1.96	5	< 1	8	< 0.01	< 1	< 2	< 10	4	< 10	2	5	0.07
1229040126	8	90	3.36	< 10	< 1	0.17	14	1.05	0.031	0.039	2.72	< 2	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	1	12	0.25
1117002095	9	138	3.26	< 10	< 1	0.19	< 10	0.39	0.025	0.034	3.71	12	< 1	15	< 0.01	2	< 2	< 10	3	< 10	2	9	0.26
1229040171	8	90	2.84	< 10	< 1	0.18	17	0.70	0.024	0.042	2.39	2	< 1	14	< 0.01	< 1	< 2	< 10	6	< 10	2	8	0.08
1229040110	7	153	2.09	< 10	< 1	0.22	15	0.71	0.151	0.041	0.87	< 2	1	79	0.05	< 1	< 2	< 10	14	< 10	2	9	0.13
1229040160	8	206	2.29	< 10	< 1	0.26	15	0.88	0.122	0.044	1.03	2	2	78	0.05	< 1	< 2	< 10	20	< 10	3	10	0.23
1228003024	7	131	2.24	< 10	< 1	0.15	14	1.50	0.102	0.040	1.86	6	< 1	92	< 0.01	< 1	< 2	< 10	10	< 10	2	12	0.43
1117002087	7	124	3.39	< 10	< 1	0.21	11	1.46	0.022	0.040	2.07	3	< 1	24	< 0.01	2	< 2	< 10	8	< 10	2	8	0.42
1228003050	15	234	2.38	< 10	< 1	0.16	21	1.73	0.033	0.070	0.59	2	4	70	< 0.01	< 1	< 2	< 10	29	< 10	2	7	0.81
1228003007	6	226	1.90	< 10	< 1	0.14	14	0.86	0.128	0.040	0.43	2	1	129	< 0.01	< 1	< 2	< 10	11	< 10	2	8	0.36
v845069	5	8	1.57	< 10	< 1	0.07	< 10	0.12	0.124	0.033	0.02	< 2	1	17	0.28	< 1	< 2	< 10	39	< 10	8	15	0.06
1228008242	25	110	4.07	< 10	< 1	0.02	< 10	1.76	0.452	0.019	0.07	< 2	4	55	0.22	< 1	< 2	< 10	127	< 10	4	4	0.09
1228008386	25	100	3.96	< 10	< 1	0.03	< 10	1.74	0.465	0.018	0.13	< 2	4	61	0.22	< 1	< 2	< 10	130	< 10	4	4	0.13
1228008225	8	177	2.23	< 10	< 1	0.13	18	1.23	0.091	0.052	0.58	< 2	1	137	0.01	< 1	< 2	< 10	14	< 10	2	10	0.15
1229008111	11	178	3.00	< 10	< 1	0.10	20	0.95	0.086	0.047	3.06	3	1	35	< 0.01	< 1	< 2	< 10	11	< 10	3	18	0.25
1229008008	9	268	2.16	< 10	< 1	0.13	17	0.69	0.056	0.040	0.99	2	< 1	27	0.01	< 1	< 2	< 10	11	20	2	12	0.38
1229019106	9	179	2.68	< 10	< 1	0.17	14	0.73	0.091	0.043	1.90	3	< 1	61	< 0.01	< 1	< 2	< 10	9	< 10	2	8	0.15
1229019157	11	169	2.33	< 10	< 1	0.19	17	0.88	0.055	0.053	1.00	< 2	2	36	0.05	1	< 2	< 10	27	< 10	4	8	0.10
1231026391	7	133	2.93	< 10	< 1	0.17	12	1.44	0.029	0.036	2.48	< 2	< 1	7	< 0.01	< 1	< 2	< 10	6	< 10	2	10	0.08
1231026149	8	186	2.13	< 10	< 1	0.14	13	1.50	0.078	0.042	1.07	< 2	< 1	32	< 0.01	< 1	< 2	< 10	12	< 10	2	10	0.17
1229008139	8	230	2.46	< 10	< 1	0.12	13	0.85	0.052	0.040	1.48	2	1	22	0.02	< 1	< 2	< 10	14	< 10	3	12	0.31
1228008221	8	132	2.13	< 10	< 1	0.13	17	1.15	0.108	0.050	0.53	2	1	142	< 0.01	2	< 2	< 10	13	< 10	2	9	0.12
1231026486	6	133	3.85	< 10	< 1	0.13	16	2.39	0.019	0.045	2.26	< 2	< 1	7	< 0.01	< 1	< 2	< 10	13	< 10	2	12	0.02
1231026459	9	159	4.58	< 10	< 1	0.17	14	0.95	0.050	0.041	4.55	2	< 1	18	< 0.01	< 1	< 2	< 10	7	< 10	2	15	0.10
1229008217	8	173	2.03	< 10	< 1	0.11	14	0.87	0.095	0.042	2.03	3	< 1	33	< 0.01	3	< 2	< 10	7	< 10	2	14	0.34
1229019202	7	94	2.55	< 10	< 1	0.20	15	1.16	0.076	0.047	1.53	< 2	< 1	76	< 0.01	< 1	< 2	< 10	14	< 10	2	9	0.19
1229019120	8	109	2.91	< 10	< 1	0.18	13	0.82	0.046	0.040	2.09	< 2	1	47	0.02	1	< 2	< 10	9	< 10	2	10	0.13
1231026126	7	224	2.12	< 10	< 1	0.15	16	1.05	0.134	0.044	1.07	< 2	1	62	0.02	< 1	< 2	< 10	14	< 10	2	12	0.23
1228011021	9	180	3.10	< 10	< 1	0.16	13	0.96	0.200	0.038	1.84	3	1	124	0.01	< 1	< 2	< 10	16	< 10	3	11	0.13
1229019233	8	157	1.86	< 10	< 1	0.23	17	0.65	0.070	0.048	0.64	< 2	< 1	35	0.02	< 1	< 2	< 10	10	< 10	2	9	0.38
v845070	17	12	3.59	< 10	< 1	0.42	29	0.75	0.170	0.097	0.08	< 2	4	40	0.42	3	< 2	< 10	109	< 10	21	15	0.10
1117002138	7	146	3.51	< 10	< 1	0.21	12	1.01	0.019	0.040	2.90	3	< 1	16	< 0.01	< 1	< 2	< 10	6	< 10	2	12	0.42
1228003127	7	133	1.86	< 10	< 1	0.14	16	0.75	0.145	0.045	0.41	< 2	< 1	139	0.02	< 1	< 2	< 10	10	< 10	3	10	0.15
1117002145	7	159	3.60	< 10	< 1	0.21	12	0.73	0.020	0.037	3.01	4	< 1	13	< 0.01	< 1	< 2	< 10	5	< 10	2	11	0.29
1229023075	10	130	2.43	< 10	< 1	0.20	15	0.60	0.039	0.053	1.70	2	< 1	22	0.01	< 1	< 2	< 10	7	< 10	2	9	0.35

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1229023030	23	180	4.30	< 10	< 1	0.10	< 10	1.97	0.388	0.026	0.19	< 2	9	63	0.21	< 1	< 2	< 10	132	< 10	5	4	0.16
1228003055	10	203	2.23	< 10	< 1	0.12	17	1.09	0.094	0.052	0.84	2	2	100	< 0.01	1	< 2	< 10	16	< 10	3	13	0.28
1229023019	12	165	2.78	< 10	< 1	0.15	14	0.24	0.029	0.050	2.89	2	< 1	17	< 0.01	1	< 2	< 10	3	< 10	3	8	0.63
1229023029	23	133	3.91	< 10	< 1	0.08	< 10	1.97	0.447	0.017	0.07	< 2	7	61	0.18	< 1	< 2	< 10	123	< 10	4	3	0.09
1229023125	25	136	4.31	< 10	< 1	0.05	< 10	1.98	0.446	0.019	0.12	2	8	59	0.19	< 1	< 2	< 10	136	< 10	5	3	0.16
1229023028	25	138	4.25	< 10	< 1	0.06	< 10	2.02	0.494	0.019	0.09	< 2	8	64	0.20	< 1	< 2	< 10	140	< 10	5	3	0.12
1230046015	8	133	1.90	< 10	< 1	0.18	14	0.15	0.019	0.049	1.89	3	< 1	8	< 0.01	< 1	< 2	< 10	3	< 10	2	8	0.02
1229023077	12	129	2.78	< 10	< 1	0.19	17	0.51	0.031	0.064	2.67	3	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	3	7	0.17
1230046037	7	148	1.69	< 10	< 1	0.22	15	0.34	0.028	0.043	1.53	2	< 1	11	< 0.01	< 1	< 2	< 10	5	< 10	2	8	0.08
1117002193	8	174	3.58	< 10	< 1	0.20	13	1.09	0.025	0.044	2.71	3	< 1	24	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.47
1117002118	8	110	3.21	< 10	< 1	0.25	13	1.15	0.021	0.039	2.22	4	< 1	17	0.01	< 1	< 2	< 10	7	< 10	2	12	0.33
v845071	14	12	3.36	< 10	< 1	0.21	< 10	0.50	0.209	0.061	0.06	< 2	3	31	0.45	7	< 2	< 10	90	< 10	16	20	0.02
1228008035	9	103	2.15	< 10	< 1	0.13	17	0.95	0.087	0.052	0.40	< 2	1	122	0.03	< 1	< 2	< 10	13	< 10	3	11	0.17
1228008091	8	115	1.94	< 10	< 1	0.25	17	1.05	0.092	0.051	0.63	< 2	2	91	0.03	2	< 2	< 10	15	< 10	3	14	0.10
1228008034	8	96	2.07	< 10	< 1	0.11	16	0.87	0.085	0.052	0.34	< 2	1	113	0.03	< 1	< 2	< 10	13	< 10	3	11	0.12
1228008181	13	107	2.59	< 10	< 1	0.17	13	1.55	0.113	0.042	0.38	< 2	5	79	0.05	< 1	< 2	< 10	46	< 10	3	9	0.26
1228008262	9	95	2.54	< 10	< 1	0.11	15	1.12	0.082	0.050	0.68	2	1	91	0.01	< 1	< 2	< 10	17	< 10	2	11	0.06
1117003245	8	121	1.72	< 10	< 1	0.23	17	1.05	0.078	0.042	1.15	< 2	< 1	52	0.02	< 1	< 2	< 10	8	< 10	2	19	0.24
1228008027	9	190	2.26	< 10	< 1	0.12	17	0.97	0.147	0.050	0.36	< 2	1	125	0.03	< 1	< 2	< 10	18	< 10	3	8	0.38
1228008145	20	184	3.79	< 10	< 1	0.11	< 10	1.67	0.366	0.026	0.19	< 2	4	63	0.18	< 1	< 2	< 10	100	< 10	4	6	0.31
1117003004	7	104	2.07	< 10	< 1	0.27	15	1.44	0.040	0.048	0.96	2	1	56	0.02	< 1	< 2	< 10	12	< 10	4	15	0.58
1117003129	8	83	3.08	< 10	< 1	0.21	17	0.92	0.031	0.042	2.47	3	< 1	21	< 0.01	< 1	< 2	< 10	6	< 10	2	16	0.30
2134001004	9	219	2.13	< 10	< 1	0.46	19	0.91	0.138	0.045	0.07	< 2	2	87	0.09	1	< 2	< 10	29	< 10	4	15	0.22
2134001068	12	209	2.73	< 10	< 1	0.31	13	0.95	0.224	0.037	0.10	< 2	3	39	0.13	< 1	< 2	< 10	60	< 10	4	10	0.33
2137506226	10	168	2.12	< 10	< 1	0.18	20	1.08	0.126	0.042	0.26	< 2	2	78	0.07	1	< 2	< 10	25	< 10	5	15	0.34
1228008198	14	134	2.79	< 10	< 1	0.24	< 10	1.04	0.275	0.031	0.46	< 2	3	42	0.13	< 1	< 2	< 10	62	< 10	3	8	0.11
1228008147	13	171	2.81	< 10	< 1	0.22	11	1.27	0.207	0.039	0.37	< 2	3	76	0.08	2	< 2	< 10	49	< 10	3	10	0.34
1228008142	27	147	4.27	< 10	< 1	0.03	< 10	2.46	0.311	0.018	0.09	< 2	8	63	0.21	1	< 2	< 10	131	< 10	4	4	0.20
1117003206	7	110	1.60	< 10	< 1	0.23	17	0.80	0.048	0.038	1.00	2	< 1	46	0.01	< 1	< 2	< 10	7	< 10	2	18	0.31
v845072	9	11	3.12	< 10	< 1	0.24	15	0.43	0.162	0.048	0.04	< 2	2	44	0.29	4	< 2	< 10	56	< 10	17	22	0.38
1229019089	8	152	6.48	< 10	< 1	0.16	13	0.53	0.023	0.042	7.17	5	< 1	14	< 0.01	1	< 2	< 10	5	< 10	1	12	0.08
1229019039	6	83	2.74	< 10	< 1	0.20	12	0.74	0.026	0.039	2.60	< 2	< 1	20	< 0.01	3	< 2	< 10	5	< 10	1	8	0.09
1129008161	8	162	2.15	< 10	< 1	0.13	14	0.88	0.083	0.041	2.28	5	< 1	31	< 0.01	< 1	< 2	< 10	6	< 10	2	15	0.47
1228008304	8	151	2.34	< 10	< 1	0.12	13	1.00	0.199	0.040	1.81	< 2	< 1	150	0.01	< 1	< 2	< 10	13	< 10	2	13	0.09
1228008406	17	139	3.64	< 10	< 1	0.12	< 10	1.39	0.268	0.030	0.99	< 2	4	43	0.16	1	< 2	< 10	82	< 10	4	8	0.13
1229019028	11	124	3.11	< 10	< 1	0.13	14	1.29	0.035	0.068	1.86	< 2	1	129	< 0.01	< 1	< 2	< 10	16	< 10	2	10	0.09
2137506176	9	209	2.14	10	< 1	0.25	19	1.14	0.343	0.048	0.09	< 2	3	257	0.07	1	< 2	< 10	31	< 10	3	10	0.07
1228008443	8	162	1.99	< 10	< 1	0.15	15	0.84	0.150	0.044	0.63	2	1	60	0.03	< 1	< 2	< 10	14	< 10	3	11	0.26
1228008317	9	139	3.29	< 10	< 1	0.12	13	0.90	0.124	0.040	2.29	3	< 1	85	0.01	< 1	< 2	< 10	12	< 10	2	11	0.14
1228008463	8	104	2.30	< 10	< 1	0.13	16	0.89	0.087	0.048	0.80	< 2	< 1	61	< 0.01	1	< 2	< 10	11	< 10	3	12	0.14
1229019005	9	126	2.72	< 10	< 1	0.14	16	0.96	0.045	0.050	1.21	3	< 1	49	< 0.01	2	< 2	< 10	11	< 10	2	9	0.06
1228008295	7	177	3.37	< 10	< 1	0.13	14	0.98	0.060	0.037	1.42	3	< 1	68	< 0.01	< 1	< 2	< 10	11	< 10	2	9	0.23
1228008038	11	87	2.81	< 10	< 1	0.12	15	1.38	0.073	0.046	0.50	2	3	109	0.05	< 1	< 2	< 10	32	< 10	3	10	0.28
1228004034	7	101	2.12	< 10	< 1	0.10	12	1.00	0.295	0.037	1.93	2	< 1	228	< 0.01	< 1	< 2	< 10	9	< 10	3	13	0.18
1228008240	23	118	3.85	< 10	< 1	0.02	< 10	1.66	0.465	0.017	0.10	3	4	56	0.17	< 1	< 2	< 10	118	< 10	4	4	0.05
v845073	14	12	3.49	< 10	< 1	0.22	< 10	0.52	0.233	0.062	0.06	< 2	4	34	0.47	2	< 2	< 10	94	< 10	16	20	0.01
1229019068	7	130	2.56	< 10	< 1	0.16	13	0.90	0.055	0.041	1.98	< 2	< 1	44	< 0.01	< 1	< 2	< 10	8	< 10	2	9	0.12
1230040142	11	114	3.78	< 10	< 1	0.18	17	1.94	0.023	0.050	2.21	3	1	20	< 0.01	< 1	< 2	< 10	17	< 10	2	12	0.16
1230040214	5	153	2.19	< 10	< 1	0.13	12	0.88	0.206	0.039	1.43	2	< 1	96	< 0.01	< 1	< 2	< 10	10	< 10	2	8	0.25
1117001191	7	113	2.04	< 10	< 1	0.20	11	0.95	0.026	0.038	1.73	2	< 1	30	< 0.01	< 1	< 2	< 10	4	< 10	2	9	0.88
1117001160	7	102	2.07	< 10	< 1	0.19	12	0.86	0.027	0.039	1.84	< 2	< 1	22	< 0.01	< 1	< 2	< 10	4	< 10	2	9	0.71

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1230040088	5	139	3.06	< 10	< 1	0.14	16	0.86	0.159	0.037	1.82	2	< 1	103	< 0.01	< 1	< 2	< 10	8	< 10	2	7	0.11
1230040310	6	170	2.95	< 10	< 1	0.15	< 10	0.80	0.109	0.033	1.74	3	< 1	60	< 0.01	2	< 2	< 10	6	< 10	2	7	0.15
1230040411	5	103	3.55	< 10	< 1	0.21	< 10	0.71	0.032	0.033	1.68	< 2	< 1	20	< 0.01	< 1	< 2	< 10	7	< 10	1	7	0.12
1230040206	5	195	2.42	< 10	< 1	0.12	12	0.82	0.153	0.035	1.63	3	< 1	80	0.01	1	< 2	< 10	9	< 10	2	10	0.19
1117002258	7	242	3.26	< 10	< 1	0.15	12	1.17	0.026	0.037	2.13	3	< 1	12	< 0.01	< 1	< 2	< 10	7	< 10	2	9	0.24
1117002233	7	174	3.98	< 10	< 1	0.17	14	1.22	0.020	0.044	1.99	3	< 1	9	0.02	< 1	< 2	< 10	8	< 10	2	8	0.17
1230040498	7	125	2.51	< 10	< 1	0.16	13	1.48	0.030	0.039	0.53	< 2	< 1	20	< 0.01	< 1	< 2	< 10	12	< 10	2	5	0.24
1117003120	7	164	3.69	< 10	< 1	0.19	15	0.40	0.019	0.037	3.74	5	< 1	7	< 0.01	2	< 2	< 10	4	< 10	2	14	0.07
1117002234	8	163	3.55	< 10	< 1	0.16	14	0.72	0.018	0.040	2.59	4	< 1	7	< 0.01	< 1	< 2	< 10	5	< 10	2	9	0.10
1228003401	9	109	2.47	< 10	< 1	0.15	25	0.92	0.074	0.055	2.53	2	< 1	41	< 0.01	< 1	< 2	< 10	8	< 10	3	15	0.44
1230040388	7	181	2.28	< 10	< 1	0.26	13	1.39	0.029	0.042	0.45	< 2	2	20	0.02	< 1	< 2	< 10	15	< 10	2	9	0.09
1232109010	12	197	2.64	< 10	< 1	0.34	25	1.06	0.137	0.066	1.03	2	3	80	0.08	< 1	< 2	< 10	36	< 10	5	14	0.20
1117003144	12	170	3.70	< 10	< 1	0.73	34	1.25	0.026	0.133	2.27	3	4	182	0.07	1	< 2	< 10	32	< 10	12	21	0.59
v845074	16	12	3.66	< 10	< 1	0.41	28	0.73	0.178	0.094	0.08	< 2	5	42	0.41	2	< 2	< 10	108	< 10	21	14	0.10
1117002235	9	122	3.96	< 10	< 1	0.23	14	0.73	0.021	0.039	3.33	4	< 1	8	< 0.01	1	< 2	< 10	7	< 10	2	12	0.07
1230040001	9	146	2.76	< 10	< 1	0.12	13	1.24	0.225	0.037	2.02	2	1	111	0.01	< 1	< 2	< 10	12	< 10	2	11	0.23
1230040264	7	138	3.65	< 10	< 1	0.20	13	1.10	0.026	0.035	1.65	3	< 1	21	0.02	< 1	< 2	< 10	13	< 10	2	8	0.18
1228008011	8	141	2.01	< 10	< 1	0.13	16	0.87	0.154	0.052	0.33	2	1	186	0.02	< 1	< 2	< 10	14	< 10	3	10	0.12
1117003023	8	104	3.76	< 10	< 1	0.21	13	1.25	0.018	0.039	2.70	4	< 1	10	< 0.01	< 1	< 2	< 10	8	< 10	2	12	0.17
1230040223	7	118	2.14	< 10	< 1	0.14	11	1.20	0.177	0.031	1.39	2	< 1	98	< 0.01	< 1	< 2	< 10	7	< 10	2	12	0.16
1230040110	11	159	2.72	< 10	< 1	0.14	12	1.10	0.230	0.042	1.60	< 2	2	120	0.03	< 1	< 2	< 10	23	< 10	3	12	0.10
1230040336	8	106	3.63	< 10	< 1	0.22	12	1.07	0.071	0.036	2.56	< 2	< 1	36	0.03	< 1	< 2	< 10	10	< 10	2	14	0.07
1230040445	7	99	2.65	< 10	< 1	0.16	12	1.18	0.121	0.036	1.70	< 2	< 1	70	< 0.01	< 1	< 2	< 10	8	< 10	2	12	0.10
1117003080	9	144	2.74	< 10	< 1	0.24	16	0.38	0.022	0.046	2.59	4	< 1	21	< 0.01	< 1	< 2	< 10	6	< 10	3	14	0.10
1230040456	5	144	2.12	< 10	< 1	0.06	11	0.73	0.114	0.036	1.39	< 2	1	80	< 0.01	< 1	< 2	< 10	11	< 10	2	8	0.06
1230040049	8	97	3.23	< 10	< 1	0.22	12	0.95	0.022	0.039	2.20	2	< 1	14	< 0.01	< 1	< 2	< 10	10	< 10	1	7	0.23
1230040342	9	126	2.39	< 10	< 1	0.11	13	1.05	0.230	0.039	1.56	< 2	1	144	< 0.01	< 1	< 2	< 10	13	< 10	2	12	0.09
1117003176	6	112	2.00	< 10	< 1	0.23	16	1.24	0.027	0.036	1.32	2	< 1	29	0.03	< 1	< 2	< 10	8	< 10	2	21	0.20
1230040077	9	103	3.69	< 10	< 1	0.23	13	0.79	0.024	0.038	3.15	2	< 1	15	< 0.01	2	< 2	< 10	7	< 10	2	13	0.11
1230040535	6	153	2.69	< 10	< 1	0.10	< 10	0.85	0.105	0.036	1.39	< 2	< 1	74	< 0.01	1	< 2	< 10	8	< 10	2	9	0.06
1117003161	7	123	2.29	< 10	< 1	0.30	17	1.27	0.037	0.037	1.45	2	< 1	46	0.03	< 1	< 2	< 10	10	< 10	3	22	0.22
1228008043	8	87	2.06	< 10	< 1	0.14	17	0.96	0.063	0.050	0.43	< 2	1	81	0.02	< 1	< 2	< 10	14	< 10	2	10	0.12
1230040078	7	94	3.39	< 10	< 1	0.25	15	1.18	0.026	0.040	2.01	< 2	< 1	17	0.01	< 1	< 2	< 10	10	< 10	2	12	0.05
v845075	14	12	3.40	< 10	< 1	0.21	< 10	0.51	0.222	0.061	0.06	< 2	3	32	0.43	4	< 2	< 10	92	< 10	16	17	< 0.01

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1229027081	2.03	
1229027037	2.17	
1229027234	2.03	
1229027196	1.83	
1230040169	1.74	
1230040275	0.88	
1117003107	1.65	
1230040048	2.41	
1230040151	2.16	
1230040175	1.29	
1117003030	2.26	
1117001169	2.22	
1230040179	1.37	
1230040379	0.76	
1117003057	2.36	
1230040026	1.78	
1230040464	1.73	
1230040414	2.07	
1230040100	1.90	
v845063	0.06	
1229022278	0.45	
1229022295	0.19	
1228003285	2.69	
1228003316	2.64	
1228003269	2.78	
1117002178	2.14	
1228003237	0.78	
1228003308	2.66	
1117002158	2.77	
1228003221	0.40	
1228003167	0.32	
1228003205	0.34	
1228003070	0.43	
1117002148	4.27	
1228003156	0.50	
1228003066	0.54	
1228003135	0.64	
v845064	0.03	
1117002055	2.83	
1117002071	3.23	
1117002010	1.37	
1117002024	1.55	
1117002008	0.97	
2134002002	0.04	
2134002006	0.08	
1117002057	2.13	
2134002028	0.09	
1228004010	2.15	
1228004276	0.24	
2137505278	0.21	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1229027281	1.92	
1229027326	1.05	
v845065	0.08	
1117001088	2.16	
1229022153	1.83	
1229022222	2.14	
1117001028	2.08	
1231025186	1.43	
1229022263	1.81	
1231025241	0.70	
1231025364	0.96	
1117001073	2.07	
1117001140	1.50	
1231025335	1.19	
1231025399	1.76	
1117001105	2.15	
1117001159	1.47	
1231025344	1.96	
1229022232	1.30	
v845066	0.02	
1229022068	2.01	
1229022021	1.42	
1229022130	1.55	
1229022213	1.47	
1229022110	0.13	
1229022215	1.16	
1229022169	2.03	
1231025316	1.27	
1231025127	1.39	
1117001121	2.21	
1231025158	1.51	
1231025361	1.88	
1231025200	1.37	
1231025267	0.97	
1229022188	0.88	
1117001001	1.22	
1117001030	1.86	7.62
1229022274	2.37	
2137503154	0.24	
1117001083	1.88	
1117001035	1.16	
v845067	0.04	
1229027190	1.88	
1229027268	1.74	
1117002189	1.87	
1228004189	0.32	
2137505262	0.11	
1228004255	0.46	
1228004341	0.37	
1117002001	1.44	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1229027252	1.57	
1230044302	1.58	
1229027049	2.65	
1229027027	2.96	
1229027265	1.64	
1229027111	1.11	
1229027171	2.68	
v845068	0.02	
1229040011	3.11	
1229040037	0.77	
1229040055	0.97	
1229040089	3.06	
1229040136	2.19	
1229023001	2.50	
1228003058	1.70	
1117002111	2.05	
1229023104	1.98	
1229040071	0.73	
1229023006	1.88	
1229040126	2.49	
1117002095	3.41	
1229040171	2.29	
1229040110	0.80	
1229040160	0.93	
1228003024	1.84	
1117002087	1.96	
1228003050	0.58	
1228003007	0.43	
v845069	0.01	
1228008242	0.07	
1228008386	0.11	
1228008225	0.56	
1229008111	2.79	
1229008008	0.88	
1229019106	1.85	
1229019157	0.93	
1231026391	2.33	
1231026149	0.95	
1229008139	1.43	
1228008221	0.49	
1231026486	2.24	
1231026459	4.19	
1229008217	1.96	
1229019202	1.53	
1229019120	1.98	
1231026126	0.98	
1228011021	1.81	
1229019233	0.55	
v845070	0.08	
1117002138	2.76	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1228003127	0.39	
1117002145	3.00	
1229023075	1.66	
1229023030	0.18	
1228003055	0.81	
1229023019	2.59	
1229023029	0.08	
1229023125	0.13	
1229023028	0.09	
1230046015	1.71	
1229023077	2.56	
1230046037	1.36	
1117002193	2.58	7.76
1117002118	2.09	
v845071	0.06	
1228008035	0.39	
1228008091	0.57	
1228008034	0.32	
1228008181	0.39	
1228008262	0.67	
1117003245	1.09	
1228008027	0.36	
1228008145	0.19	
1117003004	0.88	
1117003129	2.33	
2134001004	0.06	
2134001068	0.10	
2137506226	0.25	
1228008198	0.46	
1228008147	0.37	
1228008142	0.07	
1117003206	0.94	
v845072	0.04	
1229019089	7.02	22.4
1229019039	2.46	
1129008161	2.19	
1228008304	1.78	
1228008406	0.97	
1229019028	1.73	
2137506176	0.08	
1228008443	0.61	
1228008317	2.28	
1228008463	0.77	
1229019005	1.12	
1228008295	1.39	
1228008038	0.52	
1228004034	1.91	
1228008240	0.10	
v845073	0.05	
1229019068	1.92	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1230040142	2.15	
1230040214	1.36	
1117001191	1.70	
1117001160	1.75	
1230040088	1.85	
1230040310	1.68	
1230040411	1.69	
1230040206	1.57	
1117002258	2.06	34.7
1117002233	1.92	
1230040498	0.53	
1117003120	3.59	19.3
1117002234	2.58	
1228003401	2.52	
1230040388	0.45	
1232109010	0.99	
1117003144	2.10	
v845074	0.08	
1117002235	3.16	
1230040001	2.01	
1230040264	1.58	
1228008011	0.32	
1117003023	2.68	
1230040223	1.37	
1230040110	1.49	
1230040336	2.62	
1230040445	1.65	
1117003080	2.30	
1230040456	1.37	
1230040049	2.18	
1230040342	1.57	
1117003176	1.21	
1230040077	3.03	
1230040535	1.28	
1117003161	1.31	
1228008043	0.42	
1230040078	1.97	
v845075	0.05	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-4 Meas									3.3	< 0.5	6650	145	318	35	41	70	2.65	98	< 10	35	1.4	4	0.81
GXR-4 Cert									4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01
GXR-4 Meas									3.4	< 0.5	6600	148	316	36	41	70	2.68	100	< 10	26	1.4	12	0.83
GXR-4 Cert									4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01
GXR-6 Meas									0.3	< 0.5	66	999	1	21	89	121	6.80	228	< 10	828	0.9	< 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
GXR-6 Meas									0.3	< 0.5	69	1060	1	21	95	130	7.35	235	< 10	927	1.0	< 2	0.17
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							42.4																
BaSO4 Cert							41.94																
BaSO4 Meas							39.8																
BaSO4 Cert							41.94																
BaSO4 Meas							41.2																
BaSO4 Cert							41.94																
BaSO4 Meas							42.1																
BaSO4 Cert							41.94																
BaSO4 Meas							41.9																
BaSO4 Cert							41.94																
BaSO4 Meas							40.7																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
BaSO4 Meas							41.5																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							42.1																
BaSO4 Cert							41.94																
BaSO4 Meas							40.8																
BaSO4 Cert							41.94																
BaSO4 Meas							40.2																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							40.8																
BaSO4 Cert							41.94																
BaSO4 Meas							40.7																
BaSO4 Cert							41.94																
BaSO4 Meas							41.4																
BaSO4 Cert							41.94																
BaSO4 Meas							42.0																
BaSO4 Cert							41.94																
BaSO4 Meas							41.7																
BaSO4 Cert							41.94																
BaSO4 Meas							41.0																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BaSO4 Cert							41.94																
SGR-1b Meas							4.62																
SGR-1b Cert							4.58																
SGR-1b Meas							4.72																
SGR-1b Cert							4.58																
SGR-1b Meas							4.75																
SGR-1b Cert							4.58																
SGR-1b Meas							4.61																
SGR-1b Cert							4.58																
SGR-1b Meas							4.63																
SGR-1b Cert							4.58																
SGR-1b Meas							4.73																
SGR-1b Cert							4.58																
SGR-1b Meas							4.62																
SGR-1b Cert							4.58																
SGR-1b Meas							4.77																
SGR-1b Cert							4.58																
SGR-1b Meas							4.56																
SGR-1b Cert							4.58																
SGR-1b Meas							4.81																
SGR-1b Cert							4.58																
SGR-1b Meas							4.75																
SGR-1b Cert							4.58																
SGR-1b Meas							4.67																
SGR-1b Cert							4.58																
SGR-1b Meas							4.59																
SGR-1b Cert							4.58																
SGR-1b Meas							4.80																
SGR-1b Cert							4.58																
SGR-1b Meas							4.69																
SGR-1b Cert							4.58																
SGR-1b Meas							4.71																
SGR-1b Cert							4.58																
SGR-1b Meas							4.68																
SGR-1b Cert							4.58																
SGR-1b Meas							4.75																
SGR-1b Cert							4.58																
SGR-1b Meas							4.51																
SGR-1b Cert							4.58																
SGR-1b Meas							4.43																
SGR-1b Cert							4.58																
OREAS 97 (Aqua Regia) Meas									18.0		> 10000				127	583						17	
OREAS 97 (Aqua Regia) Cert									19.5		62800.00				142	635						40	
RTS-3a Meas							29.9																
RTS-3a Cert							29.90																
RTS-3a Meas							29.9																
RTS-3a Cert							29.90																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
RTS-3a Meas							29.8																
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							29.8																
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							29.4																
RTS-3a Cert							29.90																
RTS-3a Meas							30.1																
RTS-3a Cert							29.90																
RTS-3a Meas							30.3																
RTS-3a Cert							29.90																
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Meas																							
GS311-4 Cert																							
OREAS 45d (Aqua Regia) Meas											357	413		201	15	34	5.45	5		78		< 2	0.09
OREAS 45d (Aqua Regia) Cert											345.0	400.000		176.0	17.00	30.6	4.860	6.50		80		0.30	0.09
OREAS 45d (Aqua Regia) Meas											366	405		205	15	36	5.88	4		81		< 2	0.10

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 45d (Aqua Regia) Cert											345.0	400.000		176.0	17.00	30.6	4.860	6.50		80		0.30	0.09
NBM-1 (slight fzz) Meas		42.8				8.47																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.7				8.52																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.3				8.58																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.2				8.79																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.5																					
NBM-1 (slight fzz) Cert		46.6																					
OREAS 923 (AQUA REGIA) Meas									1.6	< 0.5	4510	875	< 1	29	79	346	2.83	6		62	0.7	15	0.39
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									1.7	< 0.5	4610	905	< 1	32	82	354	3.04	7		72	0.7	12	0.43
OREAS 923 (AQUA REGIA) Cert									1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326
OREAS 907 (Aqua Regia) Meas									1.4	< 0.5	6470	348	5	5	33	146	1.15	34		221	1.0	15	0.28
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	22.3	0.280
OREAS 907 (Aqua Regia) Meas									1.4	< 0.5	6580	352	5	5	34	151	1.32	35		242	1.1	16	0.28
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	22.3	0.280
OREAS 220 (Fire Assay) Meas								872															
OREAS 220 (Fire Assay) Cert								866															
OREAS 220 (Fire Assay) Meas								874															
OREAS 220 (Fire Assay) Cert								866															
OREAS 220 (Fire Assay) Meas								889															
OREAS 220 (Fire Assay) Cert								866															
OREAS 220 (Fire								890															

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
OREAS 220 (Fire Assay) Cert								866															
OREAS 220 (Fire Assay) Meas								881															
OREAS 220 (Fire Assay) Cert								866															
OREAS 220 (Fire Assay) Meas								901															
OREAS 220 (Fire Assay) Cert								866															
OREAS 220 (Fire Assay) Meas								892															
OREAS 220 (Fire Assay) Cert								866															
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas									68.7	280	3720	526	13	23	> 5000	> 10000	1.66	74			0.6	< 2	1.61
Oreas 621 (Aqua Regia) Cert									68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65
Oreas 621 (Aqua Regia) Meas									70.9	290	3830	541	13	23	> 5000	> 10000	1.82	75			0.6	< 2	1.66
Oreas 621 (Aqua Regia) Cert									68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas								3020															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3170															
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								3050															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3140															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire								3080															

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3160															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 238 (Fire Assay) Meas								3050															
OREAS 238 (Fire Assay) Cert								3030															
OREAS 263 (Aqua Regia) Meas									0.2	< 0.5	93	518	< 1	72	35	136	1.67	29		179	1.4	< 2	1.06
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	0.570	1.03
OREAS 263 (Aqua Regia) Meas									< 0.2	< 0.5	89	500	< 1	70	34	132	1.90	28		186	1.4	< 2	1.03
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	0.570	1.03
GS316-3 Meas																							
GS316-3 Cert																							
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GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
1229027037 Orig									1.3	1.0	252	533	< 1	16	2	372	1.78	13	< 10	40	< 0.5	4	0.85
1229027037 Dup									1.3	0.9	237	529	< 1	17	< 2	376	1.76	13	< 10	44	< 0.5	3	0.85
1230040175 Orig							0.46	346															
1230040175 Dup							0.41	395															
1230040100 Orig							0.49	192															
1230040100 Dup							0.52	184															
v845063 Orig																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
v845063 Dup																							
1228003221 Orig								22															
1228003221 Dup								24															
1228003167 Orig									< 0.2	< 0.5	24	427	< 1	8	20	92	3.28	6	< 10	45	< 0.5	< 2	1.91
1228003167 Dup									< 0.2	< 0.5	23	420	< 1	8	19	90	3.23	7	< 10	44	< 0.5	< 2	1.89
1228003205 Orig									< 0.2	< 0.5	22	621	1	59	7	86	2.85	10	< 10	50	< 0.5	< 2	3.06
1228003205 Dup									< 0.2	< 0.5	22	636	< 1	63	7	87	2.90	6	< 10	50	< 0.5	< 2	3.09
1228003070 Orig							0.24																
1228003070 Dup							0.23																
1117002010 Orig																							
1117002010 Dup																							
1117002008 Orig							0.31		0.5	0.7	30	757	< 1	14	44	276	2.82	27	< 10	68	< 0.5	< 2	2.00
1117002008 Dup							0.31		0.6	0.6	31	765	< 1	14	45	274	2.83	25	< 10	68	< 0.5	< 2	2.01
2134002006 Orig								9															
2134002006 Dup								9															
1228004010 Orig	60.1	15.9	-44.2	65.8	0.242																		
1228004010 Dup	60.1	15.9	-44.2	65.8	0.242																		
1229027326 Orig																							
1229027326 Dup																							
1117001088 Orig									1.8	1.3	96	1610	< 1	13	165	390	0.86	43	< 10	29	< 0.5	< 2	2.06
1117001088 Dup									1.5	1.3	96	1640	< 1	13	170	405	0.89	51	< 10	28	< 0.5	< 2	2.09
1229022153 Orig								91															
1229022153 Dup								88															
1117001028 Orig							0.65																
1117001028 Dup							0.73																
1117001073 Orig																							
1117001073 Dup																							
1231025399 Orig								67															
1231025399 Dup								69															
1117001105 Orig							0.65																
1117001105 Dup							0.76																
1229022130 Orig																							
1229022130 Dup																							
1229022213 Orig						8.82			0.8	< 0.5	82	385	3	11	6	57	2.43	13	< 10	35	< 0.5	< 2	0.61
1229022213 Dup						8.82			0.7	< 0.5	82	386	2	10	7	57	2.43	15	< 10	35	< 0.5	< 2	0.60
1117001121 Orig							0.62																
1117001121 Dup							0.59																
1231025200 Orig																							
1231025200 Dup																							
1229022188 Orig								29															
1229022188 Dup								26															
1117001030 Orig																							
1117001030 Dup																							
2137503154 Orig							0.11		< 0.2	< 0.5	26	347	< 1	26	< 2	38	2.56	< 2	< 10	108	< 0.5	< 2	0.88
2137503154 Dup							0.15		< 0.2	< 0.5	27	361	< 1	28	< 2	38	2.68	< 2	< 10	114	< 0.5	< 2	0.92
1117001083 Orig								738															
1117001083 Dup								694															
1229027268 Orig																							
1229027268 Dup																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2137505262 Orig	3.44	48.0	44.6	3.37	14.3																		
2137505262 Dup	3.44	49.1	45.7	3.37	14.6																		
1117002001 Orig								457															
1117002001 Dup								406															
1229027049 Orig							0.74																
1229027049 Dup							0.65																
1229027027 Orig																							
1229027027 Dup																							
1229040037 Orig									< 0.2	< 0.5	27	303	< 1	10	< 2	64	3.26	8	< 10	25	< 0.5	< 2	0.87
1229040037 Dup									< 0.2	< 0.5	28	308	< 1	9	< 2	66	3.36	9	< 10	26	< 0.5	< 2	0.90
1229040136 Orig							0.40																
1229040136 Dup							0.44																
1228003058 Orig								104															
1228003058 Dup								99															
1229040071 Orig									< 0.2	< 0.5	45	437	1	12	5	117	1.63	5	< 10	58	< 0.5	< 2	1.05
1229040071 Dup									0.4	< 0.5	43	444	2	14	5	119	1.64	7	< 10	58	< 0.5	< 2	1.07
1229040126 Orig									0.6	< 0.5	152	425	1	10	5	48	1.63	13	< 10	31	< 0.5	2	1.08
1229040126 Dup									0.6	< 0.5	169	435	< 1	11	5	48	1.64	13	< 10	31	< 0.5	2	1.09
1228003024 Orig								1380															
1228003024 Dup								1450															
1117002087 Orig							0.85																
1117002087 Dup							0.84																
1229019157 Orig							0.23																
1229019157 Dup							0.27																
1229019120 Orig	57.9	9.80	-48.1	60.6	0.162																		
1229019120 Dup	57.9	9.81	-48.1	60.6	0.162																		
1231026126 Orig																							
1231026126 Dup																							
1228011021 Orig						8.45																	
1228011021 Dup						8.32																	
v845070 Orig									3.0	< 0.5	62	430	< 1	16	7	68	1.56	< 2	< 10	97	< 0.5	< 2	1.36
v845070 Dup									2.8	< 0.5	60	413	< 1	17	6	66	1.58	< 2	< 10	93	< 0.5	< 2	1.28
1117002138 Orig							1.20	205	0.8	17.5	53	934	< 1	14	37	4380	1.28	57	< 10	22	< 0.5	< 2	1.16
1117002138 Dup							1.14	195	0.9	17.5	54	930	< 1	14	38	4360	1.28	55	< 10	24	< 0.5	< 2	1.15
1229023029 Orig																							
1229023029 Dup																							
1229023028 Orig							0.12																
1229023028 Dup							0.10																
1230046015 Orig								840															
1230046015 Dup								828															
1229023077 Orig									2.4	0.6	36	540	< 1	13	74	180	0.93	54	< 10	25	< 0.5	< 2	0.67
1229023077 Dup									2.4	< 0.5	34	531	< 1	13	70	177	0.92	51	< 10	26	< 0.5	< 2	0.65
1228008091 Orig																							
1228008091 Dup																							
1228008262 Orig								35															
1228008262 Dup								28															
1228008027 Orig									< 0.2	< 0.5	42	436	16	14	3	89	3.30	5	< 10	42	< 0.5	< 2	1.67
1228008027 Dup									< 0.2	< 0.5	42	432	15	14	4	89	3.17	5	< 10	41	< 0.5	< 2	1.63
1228008145 Orig							0.13																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228008145 Dup							0.15																
2137506226 Orig																							
2137506226 Dup																							
1117003206 Orig							0.33																
1117003206 Dup							0.30																
1229019039 Orig								228															
1229019039 Dup								222															
1228008406 Orig																							
1228008406 Dup																							
1229019005 Orig	31.7	0.982	-30.7	34.3	0.0286																		
1229019005 Dup	31.7	0.994	-30.7	34.3	0.0290																		
1228008038 Orig							0.20																
1228008038 Dup							0.22																
v845073 Orig																							
v845073 Dup																							
1230040088 Orig								220															
1230040088 Dup								232															
1230040310 Orig							0.46																
1230040310 Dup							0.45																
1230040411 Orig									0.8	< 0.5	203	298	< 1	5	2	36	1.57	5	< 10	43	< 0.5	4	0.57
1230040411 Dup									0.5	< 0.5	199	294	< 1	6	< 2	39	1.55	5	< 10	44	< 0.5	5	0.57
1117002258 Orig																							
1117002258 Dup																							
1230040001 Orig							0.55	80															
1230040001 Dup							0.55	66															
1228008011 Orig						9.13																	
1228008011 Dup						9.14																	
1117003080 Orig									1.8	5.6	50	326	< 1	14	55	1450	0.75	162	< 10	34	< 0.5	< 2	0.48
1117003080 Dup									1.1	5.5	50	325	< 1	15	54	1430	0.75	171	< 10	35	< 0.5	< 2	0.48
1230040456 Orig							0.35																
1230040049 Orig																							
1230040049 Dup																							
1228008043 Orig						9.05																	
1228008043 Dup						9.01																	
1230040078 Orig	56.9	7.66	-49.2	60.3	0.127		0.45																
1230040078 Dup	56.9	7.52	-49.3	60.3	0.125		0.44																
v845075 Orig																							
v845075 Dup																							
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	SO4	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit						0.01	0.05	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	SO4	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
Method Blank								< 5															
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
GXR-4 Meas	13	56	2.97	< 10	< 1	1.70	50	1.58	0.123	0.122	1.76	2	7	71	0.13	< 1	< 2	< 10	79	10	12	11	
GXR-4 Cert	14.6	64.0	3.09	20.0	0.110	4.01	64.5	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186	
GXR-4 Meas	13	57	2.98	< 10	< 1	1.70	50	1.52	0.123	0.123	1.76	3	7	71	0.13	< 1	< 2	< 10	79	12	12	11	
GXR-4 Cert	14.6	64.0	3.09	20.0	0.110	4.01	64.5	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186	
GXR-6 Meas	12	78	5.06	10	< 1	1.07	< 10	0.37	0.094	0.032	0.01	4	21	34		< 1	< 2	< 10	163	< 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	13	83	5.31	20	< 1	1.18	10	0.40	0.106	0.034	0.01	4	21	36		< 1	< 2	< 10	177	< 10	6	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	
BaSO4 Meas																							
BaSO4 Cert																							
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BaSO4 Meas																							
BaSO4 Cert																							
SGR-1b Meas																							28.2

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
SGR-1b Cert																							28
SGR-1b Meas																							27.8
SGR-1b Cert																							28
SGR-1b Meas																							28.0
SGR-1b Cert																							28
SGR-1b Meas																							28.2
SGR-1b Cert																							28
SGR-1b Meas																							27.9
SGR-1b Cert																							28
SGR-1b Meas																							28.0
SGR-1b Cert																							28
SGR-1b Meas																							28.0
SGR-1b Cert																							28
SGR-1b Meas																							29.0
SGR-1b Cert																							28
SGR-1b Meas																							27.8
SGR-1b Cert																							28
SGR-1b Meas																							27.6
SGR-1b Cert																							28
SGR-1b Meas																							27.7
SGR-1b Cert																							28
SGR-1b Meas																							
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SGR-1b Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
OREAS 97 (Aqua Regia) Meas	58											11											
OREAS 97 (Aqua Regia) Cert	63											8.10											
RTS-3a Meas																							
RTS-3a Cert																							
RTS-3a Meas																							
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RTS-3a Meas																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
RTS-3a Cert																							
RTS-3a Meas																							
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RTS-3a Cert																							
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RTS-3a Cert																							
RTS-3a Meas																							
RTS-3a Cert																							
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																							1.10
GS311-4 Cert																							1.11
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
GS311-4 Meas																							1.13
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																							1.12
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
GS311-4 Meas																							1.12
GS311-4 Cert																							1.11
OREAS 45d (Aqua Regia) Meas	25	485	12.8	20		0.12	11	0.16	0.040	0.033	0.04		43	13				< 10	205		4		
OREAS 45d (Aqua Regia) Cert	26.2	467	13.650	17.9		0.097	9.960	0.144	0.031	0.035	0.045		41.50	11.0				1.64	201.0		5.08		
OREAS 45d (Aqua Regia) Meas	25	485	13.1	20		0.13	12	0.17	0.044	0.033	0.04		43	14				< 10	202		4		
OREAS 45d (Aqua Regia) Cert	26.2	467	13.650	17.9		0.097	9.960	0.144	0.031	0.035	0.045		41.50	11.0				1.64	201.0		5.08		
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz) Cert																							
NBM-1 (slight fzz) Meas																							

Analyte Symbol	Co	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	1	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
NBM-1 (slight fzz) Cert																							
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 923 (AQUA REGIA) Meas	22	43	5.70	< 10		0.37	34	1.45		0.060	0.66	3	4	14			< 2	< 10	35	< 10	18	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	45	5.94	< 10		0.45	37	1.52		0.061	0.71	3	4	15			< 2	< 10	37	< 10	21	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 907 (Aqua Regia) Meas	45	9	7.80	20		0.33	37	0.23	0.097	0.024	0.06	5	2	13	0.02	< 1	< 2	< 10	6	< 10	7	28	
OREAS 907 (Aqua Regia) Cert	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	0.230	0.120	2.15	5.12	0.980	6.52	43.7	
OREAS 907 (Aqua Regia) Meas	45	10	7.91	20		0.38	39	0.23	0.102	0.024	0.06	5	2	13	0.03	< 1	< 2	< 10	7	< 10	8	29	
OREAS 907 (Aqua Regia) Cert	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	0.230	0.120	2.15	5.12	0.980	6.52	43.7	
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
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OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (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 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas	30	32	3.41	< 10	4	0.34	20	0.44	0.167	0.034	4.55	116	2	20			< 2	< 10	12	< 10	8	48	
Oreas 621 (Aqua Regia) Cert	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	30	33	3.54	10	4	0.38	21	0.45	0.184	0.034	4.75	121	2	20			< 2	< 10	13	< 10	8	54	
Oreas 621 (Aqua Regia) Cert	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0	
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) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 263	33	57	3.63	< 10	< 1	0.35		0.62	0.091	0.042	0.12	10	4	18		< 1	< 2	< 10	27		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
(Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert	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		0.210	0.530	1.28	22.8		12.0		
OREAS 263 (Aqua Regia) Meas	32	60	3.59	< 10	< 1	0.40		0.61	0.089	0.041	0.12	9	4	18		< 1	< 2	< 10	29		13		
OREAS 263 (Aqua Regia) Cert	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		0.210	0.530	1.28	22.8		12.0		
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.04
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.04
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.04
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																							0.04
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.01
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.04
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.04
GS316-3 Cert																							0.0600
1229027037 Orig	10	122	3.33	< 10	< 1	0.22	18	1.26	0.062	0.051	2.37	2	2	32	0.03	3	< 2	< 10	17	< 10	3	18	
1229027037 Dup	10	120	3.31	< 10	< 1	0.22	18	1.25	0.061	0.051	2.33	< 2	2	32	0.03	3	< 2	< 10	17	< 10	3	19	
1230040175 Orig																							0.13
1230040175 Dup																							0.13
1230040100 Orig																							
1230040100 Dup																							
v845063 Orig																							< 0.01
v845063 Dup																							< 0.01
1228003221 Orig																							
1228003221 Dup																							
1228003167 Orig	6	129	1.77	< 10	< 1	0.20	17	0.78	0.137	0.043	0.33	2	1	173	0.03	< 1	< 2	< 10	10	< 10	3	9	0.15
1228003167 Dup	6	127	1.75	< 10	< 1	0.19	16	0.77	0.135	0.042	0.33	< 2	< 1	169	0.03	< 1	< 2	< 10	10	< 10	3	7	0.14
1228003205 Orig	17	280	2.64	< 10	< 1	0.16	23	1.79	0.076	0.071	0.35	3	5	99	< 0.01	< 1	< 2	< 10	36	< 10	4	7	
1228003205 Dup	18	287	2.71	< 10	< 1	0.16	24	1.84	0.078	0.073	0.36	3	5	102	< 0.01	< 1	< 2	< 10	37	< 10	4	6	
1228003070 Orig																							
1228003070 Dup																							
1117002010 Orig																							0.30
1117002010 Dup																							0.31
1117002008 Orig	10	150	2.57	< 10	< 1	0.25	23	1.26	0.085	0.065	1.04	4	2	98	0.04	< 1	< 2	< 10	17	< 10	4	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
1117002008 Dup	10	150	2.58	< 10	< 1	0.25	24	1.26	0.083	0.066	1.05	2	2	99	0.04	< 1	< 2	< 10	17	< 10	5	11	
2134002006 Orig																							
2134002006 Dup																							
1228004010 Orig																							
1228004010 Dup																							
1229027326 Orig																							0.16
1229027326 Dup																							0.16
1117001088 Orig	9	123	2.18	< 10	< 1	0.23	< 10	0.82	0.031	0.043	2.27	3	< 1	21	< 0.01	1	< 2	< 10	4	< 10	2	11	
1117001088 Dup	10	120	2.22	< 10	< 1	0.24	< 10	0.84	0.031	0.044	2.36	4	< 1	22	< 0.01	< 1	< 2	< 10	4	< 10	2	11	
1229022153 Orig																							
1229022153 Dup																							
1117001028 Orig																							
1117001028 Dup																							
1117001073 Orig																							0.22
1117001073 Dup																							0.22
1231025399 Orig																							
1231025399 Dup																							
1117001105 Orig																							
1117001105 Dup																							
1229022130 Orig																							0.16
1229022130 Dup																							0.16
1229022213 Orig	6	102	3.23	< 10	< 1	0.19	15	1.69	0.089	0.042	1.57	< 2	< 1	38	< 0.01	< 1	< 2	< 10	12	< 10	2	14	
1229022213 Dup	6	104	3.22	< 10	< 1	0.19	16	1.68	0.088	0.041	1.58	2	< 1	38	< 0.01	< 1	< 2	< 10	12	< 10	2	14	
1117001121 Orig																							
1117001121 Dup																							
1231025200 Orig																							0.11
1231025200 Dup																							0.12
1229022188 Orig																							
1229022188 Dup																							
1117001030 Orig																							
1117001030 Dup																							
2137503154 Orig	11	198	2.49	< 10	< 1	0.26	18	1.23	0.165	0.043	0.24	3	4	99	0.05	< 1	< 2	< 10	38	15	4	15	
2137503154 Dup	11	208	2.59	< 10	< 1	0.27	18	1.28	0.174	0.044	0.25	< 2	4	105	0.05	< 1	< 2	< 10	40	16	4	16	
1117001083 Orig																							
1117001083 Dup																							
1229027268 Orig																							0.22
1229027268 Dup																							0.22
2137505262 Orig																							
2137505262 Dup																							
1117002001 Orig																							
1117002001 Dup																							
1229027049 Orig																							
1229027049 Dup																							
1229027027 Orig																							0.15
1229027027 Dup																							0.14
1229040037 Orig	7	90	2.16	< 10	< 1	0.10	15	1.07	0.066	0.044	0.83	< 2	1	63	< 0.01	2	< 2	< 10	14	< 10	1	9	
1229040037 Dup	8	93	2.19	< 10	< 1	0.10	15	1.09	0.069	0.045	0.84	< 2	1	65	< 0.01	< 1	< 2	< 10	15	< 10	1	10	
1229040136 Orig																							
1229040136 Dup																							
1228003058 Orig																							0.41
1228003058 Dup																							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
1229040071 Orig	7	194	1.96	< 10	< 1	0.24	14	0.77	0.126	0.040	0.76	< 2	1	81	0.04	< 1	< 2	< 10	15	< 10	2	10	
1229040071 Dup	7	197	2.00	< 10	< 1	0.24	14	0.78	0.126	0.040	0.77	< 2	2	80	0.04	< 1	< 2	< 10	15	< 10	2	11	
1229040126 Orig	8	89	3.34	< 10	< 1	0.17	14	1.04	0.031	0.039	2.68	< 2	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	1	13	
1229040126 Dup	8	90	3.39	< 10	< 1	0.17	13	1.05	0.031	0.039	2.76	2	< 1	33	< 0.01	< 1	< 2	< 10	7	< 10	1	12	
1228003024 Orig																							0.43
1228003024 Dup																							0.43
1117002087 Orig																							
1117002087 Dup																							
1229019157 Orig																							0.10
1229019157 Dup																							0.10
1229019120 Orig																							
1229019120 Dup																							
1231026126 Orig																							0.23
1231026126 Dup																							0.23
1228011021 Orig																							
1228011021 Dup																							
v845070 Orig	17	12	3.61	< 10	< 1	0.43	29	0.76	0.175	0.098	0.08	< 2	5	41	0.43	2	< 2	< 10	111	< 10	22	15	
v845070 Dup	16	12	3.58	< 10	< 1	0.41	29	0.74	0.164	0.096	0.08	< 2	4	39	0.41	3	< 2	< 10	106	< 10	21	15	
1117002138 Orig	7	146	3.51	< 10	< 1	0.20	12	1.02	0.019	0.040	2.90	3	< 1	16	< 0.01	< 1	< 2	< 10	6	< 10	2	12	
1117002138 Dup	7	145	3.52	< 10	< 1	0.21	12	1.01	0.019	0.039	2.91	3	< 1	16	< 0.01	< 1	< 2	< 10	6	< 10	2	12	
1229023029 Orig																							0.10
1229023029 Dup																							0.09
1229023028 Orig																							
1229023028 Dup																							
1230046015 Orig																							
1230046015 Dup																							
1229023077 Orig	12	130	2.84	< 10	< 1	0.19	18	0.51	0.031	0.066	2.72	3	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	3	8	
1229023077 Dup	12	128	2.72	< 10	< 1	0.19	17	0.50	0.031	0.062	2.63	3	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	3	7	
1228008091 Orig																							0.10
1228008091 Dup																							0.10
1228008262 Orig																							
1228008262 Dup																							
1228008027 Orig	9	194	2.30	< 10	< 1	0.12	17	0.99	0.149	0.051	0.37	< 2	1	127	0.03	< 1	< 2	< 10	18	< 10	3	7	
1228008027 Dup	8	186	2.23	< 10	< 1	0.12	17	0.96	0.145	0.050	0.36	2	1	123	0.03	< 1	< 2	< 10	17	< 10	3	8	
1228008145 Orig																							
1228008145 Dup																							
2137506226 Orig																							0.35
2137506226 Dup																							0.33
1117003206 Orig																							
1117003206 Dup																							
1229019039 Orig																							
1229019039 Dup																							
1228008406 Orig																							0.13
1228008406 Dup																							0.13
1229019005 Orig																							
1229019005 Dup																							
1228008038 Orig																							
1228008038 Dup																							
v845073 Orig																							0.01
v845073 Dup																							0.02
1230040088 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
1230040088 Dup																							
1230040310 Orig																							
1230040310 Dup																							
1230040411 Orig	5	104	3.60	< 10	< 1	0.21	10	0.72	0.032	0.033	1.70	2	< 1	19	< 0.01	2	< 2	< 10	7	< 10	1	7	
1230040411 Dup	5	102	3.50	< 10	< 1	0.21	< 10	0.71	0.032	0.033	1.66	< 2	< 1	20	< 0.01	< 1	< 2	< 10	7	< 10	1	7	
1117002258 Orig																							0.24
1117002258 Dup																							0.24
1230040001 Orig																							0.23
1230040001 Dup																							0.22
1228008011 Orig																							
1228008011 Dup																							
1117003080 Orig	9	142	2.73	< 10	< 1	0.24	15	0.38	0.022	0.046	2.58	4	< 1	21	< 0.01	< 1	< 2	< 10	6	< 10	3	14	
1117003080 Dup	9	146	2.76	< 10	< 1	0.24	16	0.38	0.022	0.046	2.60	4	< 1	21	< 0.01	< 1	< 2	< 10	6	< 10	3	14	
1230040456 Orig																							
1230040049 Orig																							0.23
1230040049 Dup																							0.23
1228008043 Orig																							
1228008043 Dup																							
1230040078 Orig																							
1230040078 Dup																							
v845075 Orig																							0.02
v845075 Dup																							< 0.01
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	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.012	< 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	0.011	< 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	0.009	< 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	0.011	< 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-4 Meas		
GXR-4 Cert		
GXR-4 Meas		
GXR-4 Cert		
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	14.0	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
BaSO4 Cert	14.0	
BaSO4 Meas	13.9	
BaSO4 Cert	14.0	
BaSO4 Meas	13.8	
BaSO4 Cert	14.0	
BaSO4 Meas	13.6	
BaSO4 Cert	14.0	
BaSO4 Meas	13.8	
BaSO4 Cert	14.0	
BaSO4 Meas	13.8	
BaSO4 Cert	14.0	
BaSO4 Meas	14.2	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
BaSO4 Meas	14.1	
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		
BaSO4 Meas		
BaSO4 Cert		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
SGR-1b Meas	1.59	
SGR-1b Cert	1.53	
SGR-1b Meas	1.60	
SGR-1b Cert	1.53	
SGR-1b Meas	1.60	
SGR-1b Cert	1.53	
SGR-1b Meas	1.59	
SGR-1b Cert	1.53	
SGR-1b Meas	1.59	
SGR-1b Cert	1.53	
SGR-1b Meas	1.58	
SGR-1b Cert	1.53	
SGR-1b Meas	1.58	
SGR-1b Cert	1.53	
SGR-1b Meas	1.59	
SGR-1b Cert	1.53	
SGR-1b Meas	1.57	
SGR-1b Cert	1.53	
SGR-1b Meas	1.59	
SGR-1b Cert	1.53	
SGR-1b Meas	1.57	
SGR-1b Cert	1.53	
SGR-1b Meas		
SGR-1b Cert		
SGR-1b Meas		
SGR-1b Cert		
SGR-1b Meas		
SGR-1b Cert		
SGR-1b Meas		
SGR-1b Cert		
SGR-1b Meas		
SGR-1b Cert		
SGR-1b Meas		
SGR-1b Cert		
SGR-1b Meas		
SGR-1b Cert		
SGR-1b Meas		
SGR-1b Cert		
SGR-1b Meas		
SGR-1b Cert		
OREAS 97 (Aqua Regia) Meas		
OREAS 97 (Aqua Regia) 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		
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	0.55	
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	0.55	
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	0.52	
GS311-4 Cert	0.54	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
OREAS 45d (Aqua Regia) Meas		
OREAS 45d (Aqua Regia) Cert		
OREAS 45d (Aqua Regia) Meas		
OREAS 45d (Aqua Regia) Cert		
NBM-1 (slight fzz) Meas		
NBM-1 (slight fzz)		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
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 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 923 (AQUA REGIA) Meas		
OREAS 923 (AQUA REGIA) Cert		
OREAS 907 (Aqua Regia) Meas		
OREAS 907 (Aqua Regia) Cert		
OREAS 907 (Aqua Regia) Meas		
OREAS 907 (Aqua Regia) Cert		
OREAS 220 (Fire Assay) Meas		
OREAS 220 (Fire Assay) Cert		
OREAS 220 (Fire Assay) Meas		
OREAS 220 (Fire Assay) Cert		
OREAS 220 (Fire Assay) Meas		
OREAS 220 (Fire Assay) Cert		
OREAS 220 (Fire Assay) Meas		
OREAS 220 (Fire Assay) Cert		
OREAS 220 (Fire Assay) Meas		
OREAS 220 (Fire		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
Assay) Cert		
OREAS 220 (Fire Assay) Meas		
OREAS 220 (Fire Assay) Cert		
OREAS 220 (Fire Assay) Meas		
OREAS 220 (Fire Assay) Cert		
OREAS 229 (Fire Assay) Meas		12.4
OREAS 229 (Fire Assay) Cert		12.1
Oreas 621 (Aqua Regia) Meas		
Oreas 621 (Aqua Regia) Cert		
Oreas 621 (Aqua Regia) Meas		
Oreas 621 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		12.3
OREAS 229b (Fire Assay) Cert		11.9
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		

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 263 (Aqua Regia) Meas		
OREAS 263 (Aqua Regia) Cert		
OREAS 263 (Aqua Regia) Meas		
OREAS 263 (Aqua Regia) Cert		
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
GS316-3 Cert	0.340	
GS316-3 Meas	0.33	
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	0.33	
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	0.31	
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	
1229027037 Orig		
1229027037 Dup		
1230040175 Orig	1.26	
1230040175 Dup	1.31	
1230040100 Orig		
1230040100 Dup		
v845063 Orig	0.07	
v845063 Dup	0.06	
1228003221 Orig		
1228003221 Dup		
1228003167 Orig	0.31	
1228003167 Dup	0.32	
1228003205 Orig		
1228003205 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1228003070 Orig		
1228003070 Dup		
1117002010 Orig	1.37	
1117002010 Dup	1.36	
1117002008 Orig		
1117002008 Dup		
2134002006 Orig		
2134002006 Dup		
1228004010 Orig		
1228004010 Dup		
1229027326 Orig	1.05	
1229027326 Dup	1.06	
1117001088 Orig		
1117001088 Dup		
1229022153 Orig		
1229022153 Dup		
1117001028 Orig		
1117001028 Dup		
1117001073 Orig	2.06	
1117001073 Dup	2.07	
1231025399 Orig		
1231025399 Dup		
1117001105 Orig		
1117001105 Dup		
1229022130 Orig	1.55	
1229022130 Dup	1.56	
1229022213 Orig		
1229022213 Dup		
1117001121 Orig		
1117001121 Dup		
1231025200 Orig	1.35	
1231025200 Dup	1.39	
1229022188 Orig		
1229022188 Dup		
1117001030 Orig		7.41
1117001030 Dup		7.83
2137503154 Orig		
2137503154 Dup		
1117001083 Orig		
1117001083 Dup		
1229027268 Orig	1.72	
1229027268 Dup	1.76	
2137505262 Orig		
2137505262 Dup		
1117002001 Orig		
1117002001 Dup		
1229027049 Orig		
1229027049 Dup		
1229027027 Orig	2.99	
1229027027 Dup	2.93	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1229040037 Orig		
1229040037 Dup		
1229040136 Orig		
1229040136 Dup		
1228003058 Orig	1.69	
1228003058 Dup	1.71	
1229040071 Orig		
1229040071 Dup		
1229040126 Orig		
1229040126 Dup		
1228003024 Orig	1.82	
1228003024 Dup	1.86	
1117002087 Orig		
1117002087 Dup		
1229019157 Orig	0.92	
1229019157 Dup	0.94	
1229019120 Orig		
1229019120 Dup		
1231026126 Orig	0.97	
1231026126 Dup	0.98	
1228011021 Orig		
1228011021 Dup		
v845070 Orig		
v845070 Dup		
1117002138 Orig		
1117002138 Dup		
1229023029 Orig	0.08	
1229023029 Dup	0.08	
1229023028 Orig		
1229023028 Dup		
1230046015 Orig		
1230046015 Dup		
1229023077 Orig		
1229023077 Dup		
1228008091 Orig	0.55	
1228008091 Dup	0.58	
1228008262 Orig		
1228008262 Dup		
1228008027 Orig		
1228008027 Dup		
1228008145 Orig		
1228008145 Dup		
2137506226 Orig	0.26	
2137506226 Dup	0.24	
1117003206 Orig		
1117003206 Dup		
1229019039 Orig		
1229019039 Dup		
1228008406 Orig	0.92	
1228008406 Dup	1.01	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1229019005 Orig		
1229019005 Dup		
1228008038 Orig		
1228008038 Dup		
v845073 Orig	0.05	
v845073 Dup	0.05	
1230040088 Orig		
1230040088 Dup		
1230040310 Orig		
1230040310 Dup		
1230040411 Orig		
1230040411 Dup		
1117002258 Orig	1.99	
1117002258 Dup	2.13	
1230040001 Orig	2.04	
1230040001 Dup	1.97	
1228008011 Orig		
1228008011 Dup		
1117003080 Orig		
1117003080 Dup		
1230040456 Orig		
1230040049 Orig	2.13	
1230040049 Dup	2.23	
1228008043 Orig		
1228008043 Dup		
1230040078 Orig		
1230040078 Dup		
v845075 Orig	0.05	
v845075 Dup	0.05	
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-13632**
Report Date:	**28-Nov-19**
Date Submitted:	**07-Oct-19**
Your Reference:	**2019 Q3 Check Assays**

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

ATTN: Jason Pattison

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)	2019-10-22 15:51:46
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-11-01 12:30:39

REPORT **A19-13632**

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Notes:

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

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

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
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.: **A19-13632**
Report Date: **28-Nov-19**
Date Submitted: **07-Oct-19**
Your Reference: **2019 Q3 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

140 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-11-20 21:56:53
4F-C, S	Infrared	2019-11-11 21:10:16

REPORT **A19-13632**

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Notes:

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

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

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228011002	4.06	11.9	7.80	3.98	2.98	8.98	9	< 0.2	< 0.5	118	556	< 1	58	< 2	93	5.02	4	< 10	11	< 0.5	< 2	3.32	25
1231026508	39.6	7.41	-32.2	43.2	0.171	8.58	76	1.1	1.1	202	495	3	10	< 2	403	2.03	7	< 10	28	< 0.5	3	0.73	4
1231026330	47.0	6.33	-40.6	50.5	0.125	8.57	88	0.4	< 0.5	12	242	2	10	< 2	86	2.41	12	< 10	28	< 0.5	< 2	0.13	6
1231026192	35.1	4.63	-30.5	38.6	0.120	8.95	174	1.2	< 0.5	48	500	< 1	12	3	179	2.12	27	< 10	32	< 0.5	2	0.19	8
1228011164	51.1	8.04	-43.1	55.1	0.146	8.63	220	0.6	< 0.5	129	420	3	12	< 2	70	2.21	11	< 10	27	< 0.5	< 2	1.25	8
1228011080	72.2	13.0	-59.2	76.9	0.169	8.70	130	0.9	2.0	41	401	< 1	10	4	634	2.05	17	< 10	22	< 0.5	< 2	1.14	7
1228011030	72.3	19.5	-52.8	77.2	0.252	8.66	183	0.5	0.8	46	421	< 1	11	3	304	2.40	13	< 10	18	< 0.5	3	1.33	7
1228011186	63.2	33.0	-30.2	68.6	0.481	8.71	108	0.7	1.3	38	564	1	13	7	387	1.52	9	< 10	25	< 0.5	< 2	1.53	10
1231026416	45.6	11.2	-34.4	49.3	0.227	8.65	27	1.0	< 0.5	104	388	2	12	< 2	52	2.15	9	< 10	28	< 0.5	< 2	1.36	7
2134003034	2.50	38.1	35.6	2.45	15.5	9.82	< 5	< 0.2	< 0.5	9	329	1	17	< 2	53	1.51	3	< 10	146	< 0.5	< 2	1.65	8
2134003126	3.13	37.3	34.1	3.06	12.2	9.67	< 5	< 0.2	< 0.5	12	325	1	14	< 2	61	2.07	2	< 10	104	< 0.5	< 2	1.90	16
2134003076	3.13	31.0	27.9	3.06	10.1	9.72	7	< 0.2	< 0.5	65	324	2	15	< 2	59	1.41	3	< 10	95	< 0.5	< 2	1.42	9
2134003030	1.88	36.4	34.5	1.84	19.8	9.83	< 5	< 0.2	< 0.5	8	321	1	16	< 2	48	1.69	< 2	< 10	114	< 0.5	< 2	1.75	8
1231097327	20.9	37.6	16.6	24.8	1.51	9.35	36	0.5	< 0.5	26	590	< 1	13	9	106	1.29	20	< 10	43	< 0.5	< 2	1.69	7
1228011204	47.3	8.44	-38.8	51.5	0.164	8.84	187	0.6	< 0.5	146	461	5	15	3	77	2.25	9	< 10	30	< 0.5	< 2	1.42	7
1228011159	63.0	27.4	-35.7	68.9	0.397	8.65	95	0.4	1.1	83	493	4	11	3	377	1.04	15	< 10	23	< 0.5	< 2	1.34	7
1228011104	7.50	10.2	2.71	7.35	1.39	9.02	32	< 0.2	< 0.5	134	533	< 1	51	< 2	82	5.24	3	< 10	19	< 0.5	< 2	3.51	22
1231097121	66.1	45.8	-20.3	71.7	0.639	8.85	131	3.0	< 0.5	26	1370	< 1	18	41	180	1.33	42	< 10	25	< 0.5	< 2	1.96	9
1231028199	25.0	11.1	-13.9	24.5	0.454	9.14	101	< 0.2	< 0.5	16	537	< 1	12	4	207	1.26	14	< 10	45	< 0.5	< 2	0.60	7
v845076							1670	8.8	< 0.5	50	336	20	13	5	54	1.50	< 2	< 10	79	< 0.5	< 2	1.12	14
1228012265	59.6	17.1	-42.5	64.9	0.263	8.51	70	0.5	< 0.5	103	309	4	13	< 2	208	1.79	9	< 10	24	< 0.5	3	1.07	7
1229024243	72.9	21.5	-51.4	82.1	0.262	8.55	179	1.1	8.2	127	757	1	17	42	2270	2.29	53	< 10	19	< 0.5	4	1.01	9
1228012283	44.7	15.2	-29.5	49.0	0.310	8.71	131	0.4	< 0.5	100	522	5	18	3	100	1.23	8	< 10	18	< 0.5	< 2	0.89	8
1229024238	55.8	10.4	-45.4	66.8	0.155	8.68	186	1.9	8.4	139	1060	1	14	15	2250	2.87	51	< 10	28	< 0.5	6	0.89	8
1228012216	60.9	15.7	-45.3	68.0	0.230	8.49	98	0.5	< 0.5	95	557	4	17	2	73	2.21	9	< 10	18	< 0.5	< 2	1.31	9
1228012196	60.3	14.3	-46.0	67.7	0.212	8.53	83	0.5	< 0.5	319	309	4	13	< 2	93	1.76	10	< 10	17	< 0.5	< 2	1.04	19
v845077							664	2.1	< 0.5	22	225	9	7	22	48	1.15	< 2	< 10	45	< 0.5	< 2	0.75	6
1228012018	51.3	13.6	-37.8	56.7	0.239	8.57	2920	1.1	< 0.5	260	568	3	13	3	70	2.96	10	< 10	18	< 0.5	3	1.43	7
1229024027	25.2	12.6	-12.6	30.6	0.412	8.82	148	0.5	1.9	34	952	< 1	18	16	742	3.14	23	< 10	48	< 0.5	< 2	1.40	10
1228012104	45.2	14.6	-30.6	52.1	0.280	8.68	334	0.6	< 0.5	122	636	4	16	6	123	1.46	9	< 10	14	< 0.5	< 2	1.01	8
1230041028	66.0	7.01	-59.0	71.4	0.0982	8.42	1210	0.6	< 0.5	374	267	1	8	2	28	2.01	10	< 10	17	< 0.5	11	0.61	4
1229024260	41.0	26.8	-14.3	46.5	0.575	8.76	250	0.5	< 0.5	56	361	2	15	6	76	1.69	21	< 10	29	< 0.5	3	1.25	7
1228012120	4.58	10.3	5.70	7.96	1.29	9.12	17	< 0.2	< 0.5	148	474	1	42	< 2	67	5.42	< 2	< 10	21	< 0.5	< 2	3.64	21
1229024135	28.8	28.3	-0.540	34.6	0.818	8.97	139	0.5	< 0.5	175	382	2	15	5	104	1.44	16	< 10	35	< 0.5	< 2	1.21	6
1229024209	30.9	53.1	22.2	35.5	1.49	8.90	60	0.5	< 0.5	99	590	1	41	6	157	2.20	16	< 10	27	< 0.5	3	2.28	16
1228012243	53.7	12.5	-41.3	58.8	0.212	8.60	484	0.6	< 0.5	185	471	6	18	< 2	65	1.96	9	< 10	18	< 0.5	< 2	1.00	8
1229024309	56.3	32.7	-23.7	60.6	0.539	8.67	42	0.3	< 0.5	25	384	< 1	14	3	31	1.94	21	11	25	< 0.5	2	1.52	6
v845078							265	2.6	< 0.5	61	456	1	18	7	69	1.76	< 2	< 10	96	< 0.5	< 2	1.63	17
1228009275	98.5	12.0	-86.5	104	0.115	8.59	222	0.6	< 0.5	94	419	< 1	10	6	62	1.65	12	< 10	14	< 0.5	7	0.62	5
1228009288	62.1	15.1	-47.0	67.4	0.224	8.68	120	0.7	< 0.5	164	405	4	13	4	99	1.97	11	< 10	22	< 0.5	5	1.10	7
1228009001	40.5	25.2	-15.3	44.4	0.568	8.95	59	0.2	< 0.5	89	404	3	11	< 2	74	1.66	7	< 10	27	< 0.5	< 2	1.46	8
1228009089	3.75	12.2	8.45	3.67	3.32	9.15	7	< 0.2	< 0.5	150	615	< 1	51	< 2	96	5.53	< 2	< 10	14	< 0.5	< 2	3.64	24
1228009003	16.3	14.9	-1.39	15.9	0.933	9.10	53	< 0.2	< 0.5	148	517	3	37	< 2	122	4.63	3	< 10	34	< 0.5	< 2	3.16	17
v845079							1210	3.8	< 0.5	22	144	7	5	< 2	26	0.64	< 2	< 10	24	< 0.5	< 2	0.60	5
1231098026	30.1	12.8	-17.3	33.1	0.387	8.77	78	0.4	< 0.5	25	667	2	28	17	109	3.48	18	< 10	58	< 0.5	< 2	2.43	12
1231098902	31.1	5.57	-25.6	34.0	0.164	8.71	41	0.3	0.7	127	396	1	10	12	342	1.39	16	< 10	36	< 0.5	< 2	0.32	6
1231098332	58.2	4.92	-53.3	60.6	0.0811	8.45	430	1.7	< 0.5	59	349	< 1	13	22	61	0.97	120	< 10	21	< 0.5	< 2	0.21	10
1231098175	16.8	7.69	-9.08	19.6	0.392	8.57	57	0.6	< 0.5	32	459	1	21	6	156	2.35	12	< 10	55	< 0.5	< 2	1.17	9
2136015157	6.45	30.4	23.9	10.7	2.83	9.21	6	0.3	< 0.5	11	308	< 1	13	< 2	58	2.37	2	< 10	75	< 0.5	< 2	2.51	8

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2136015117	5.63	41.2	35.6	5.51	7.47	9.60	< 5	< 0.2	< 0.5	21	333	< 1	15	< 2	60	1.35	6	< 10	72	< 0.5	< 2	1.99	9
2136015001	3.44	8.12	4.69	3.37	2.41	9.36	< 5	< 0.2	< 0.5	21	256	2	20	2	24	3.67	< 2	< 10	87	< 0.5	< 2	1.94	9
2136015027	7.50	33.9	26.4	7.35	4.62	9.56	9	< 0.2	< 0.5	17	357	1	14	< 2	58	1.26	12	< 10	71	< 0.5	< 2	1.58	8
v845080							754	3.0	< 0.5	32	269	13	11	16	44	1.26	< 2	< 10	57	< 0.5	< 2	1.99	9
1229019143	49.3	9.96	-39.3	52.1	0.191	8.78	374	0.6	< 0.5	131	570	2	10	7	92	2.23	12	< 10	25	< 0.5	2	1.19	7
1229008313	51.8	20.0	-31.8	55.7	0.359	8.74	84	0.4	< 0.5	108	602	3	12	< 2	167	1.71	6	< 10	25	< 0.5	< 2	1.37	7
1229008124	30.4	22.8	-7.57	33.1	0.691	8.68	135	< 0.2	< 0.5	29	545	< 1	12	< 2	65	1.64	7	< 10	40	< 0.5	< 2	1.20	6
1231026185	45.5	15.2	-30.3	49.9	0.305	8.82	184	0.5	2.4	57	561	< 1	12	< 2	725	1.94	17	< 10	27	< 0.5	< 2	0.73	7
1229008282	57.7	7.62	-50.1	61.6	0.124	8.76	65	0.9	1.9	160	418	2	14	3	518	1.67	15	< 10	21	< 0.5	4	0.50	8
1229019223	11.3	15.4	4.14	11.0	1.40	8.68	17	0.3	< 0.5	71	581	< 1	36	3	82	3.01	5	< 10	45	< 0.5	< 2	2.17	16
1231026229	30.0	13.5	-16.5	29.4	0.460	9.02	42	0.5	< 0.5	78	637	< 1	13	< 2	98	2.23	4	< 10	34	< 0.5	< 2	1.03	7
1231026255	30.1	6.22	-23.9	32.8	0.190	8.84	38	0.4	< 0.5	46	572	< 1	13	< 2	110	2.21	8	< 10	33	< 0.5	< 2	0.53	7
1231026301	66.8	4.00	-62.8	70.1	0.0570	8.48	208	0.6	< 0.5	45	439	1	10	6	126	2.13	49	< 10	17	< 0.5	< 2	0.19	7
1231026172	35.3	5.65	-29.7	34.6	0.163	8.79	78	0.6	< 0.5	22	626	< 1	12	< 2	126	1.61	13	< 10	28	< 0.5	< 2	0.30	8
1231026346	38.8	2.62	-36.1	38.0	0.0690	8.49	41	0.4	< 0.5	39	190	< 1	13	4	94	1.63	24	< 10	33	< 0.5	< 2	0.14	7
1231026312	42.1	28.3	-13.8	45.6	0.620	8.66	50	0.6	< 0.5	88	305	< 1	6	< 2	107	1.98	8	< 10	29	< 0.5	< 2	1.21	5
1228011028	74.2	17.4	-56.8	80.5	0.216	8.63	219	1.0	4.6	102	464	< 1	10	4	1320	2.51	17	< 10	17	< 0.5	3	1.45	7
1229008251	32.4	25.9	-6.44	36.4	0.712	8.80	75	< 0.2	< 0.5	57	474	2	13	< 2	94	1.03	6	< 10	29	< 0.5	< 2	1.16	7
1229008191	44.0	30.3	-13.6	47.5	0.639	8.79	49	< 0.2	< 0.5	11	473	< 1	13	< 2	66	1.52	4	< 10	22	< 0.5	< 2	1.33	7
1229019112	32.7	14.9	-17.8	36.4	0.409	9.84	265	0.4	0.7	39	532	2	14	4	274	2.26	9	< 10	42	< 0.5	< 2	1.38	7
1231026412	56.3	24.2	-32.1	60.6	0.399	8.76	17	0.8	< 0.5	120	261	2	10	< 2	50	2.16	10	< 10	22	< 0.5	2	1.28	6
1229008294	27.4	31.2	3.85	30.6	1.02	9.03	42	< 0.2	< 0.5	29	445	1	13	< 2	132	1.11	8	< 10	42	< 0.5	< 2	1.38	6
1229008235	73.2	18.9	-54.3	79.3	0.239	8.42	346	0.5	< 0.5	129	454	3	13	< 2	78	1.53	10	< 10	13	< 0.5	5	0.99	8
v845081							1200	3.6	< 0.5	21	143	7	5	< 2	26	0.63	< 2	< 10	21	< 0.5	4	0.60	5
1231030041	26.3	11.1	-15.2	25.7	0.430	8.92	434	0.5	< 0.5	22	310	< 1	13	< 2	139	1.97	14	< 10	38	< 0.5	2	0.50	7
1231030106	41.9	9.23	-32.6	41.0	0.225	8.77	778	1.9	< 0.5	102	276	< 1	13	3	82	1.80	13	< 10	34	< 0.5	4	0.39	6
1231030264	40.0	4.54	-35.4	42.9	0.106	8.51	254	0.4	< 0.5	22	486	2	12	3	176	2.19	34	< 10	29	< 0.5	3	0.50	18
1231030023	53.4	12.0	-41.4	56.7	0.212	8.38	358	0.9	< 0.5	84	525	< 1	13	2	106	1.69	26	< 10	19	< 0.5	3	0.55	8
1230041144	57.4	5.77	-51.6	60.9	0.0946	8.02	859	0.9	< 0.5	372	366	1	10	3	46	2.31	6	< 10	22	< 0.5	22	0.82	4
1231026003	43.7	9.86	-33.9	46.9	0.210	8.62	80	0.7	< 0.5	52	1040	< 1	11	8	273	1.82	39	< 10	30	< 0.5	2	0.49	7
1231026036	22.8	21.1	-1.69	25.7	0.821	8.92	74	0.3	0.5	23	717	< 1	10	< 2	210	2.00	10	< 10	48	< 0.5	< 2	1.00	6
1231029263	24.0	17.0	-7.00	26.6	0.636	8.79	201	0.4	0.6	57	788	< 1	14	< 2	253	2.07	7	< 10	48	< 0.5	< 2	0.81	71
1229024349	104	9.18	-95.0	114	0.0803	8.24	128	1.6	3.7	258	870	1	26	< 2	1100	3.80	43	< 10	15	< 0.5	3	1.40	15
1229024305	59.8	11.1	-48.7	64.3	0.172	8.94	414	0.6	< 0.5	106	362	< 1	13	10	83	2.01	32	< 10	22	< 0.5	2	1.05	8
1230041059	19.7	15.4	-4.25	19.3	0.800	8.78	2040	4.4	< 0.5	127	328	2	12	3	79	2.63	6	12	43	0.5	2	0.97	5
1230041014	13.4	24.9	11.5	13.2	1.89	8.68	170	0.3	< 0.5	119	318	2	11	< 2	43	2.68	6	14	39	< 0.5	5	1.26	5
v845082							264	2.7	< 0.5	60	457	< 1	18	8	69	1.72	< 2	< 10	92	< 0.5	< 2	1.62	17
1229024011	21.0	18.8	-2.28	24.8	0.756	9.18	36	< 0.2	< 0.5	45	612	2	20	< 2	226	2.44	6	< 10	41	< 0.5	< 2	1.37	8
1230041087	57.9	11.2	-46.7	61.6	0.183	8.34	1170	1.3	< 0.5	588	266	< 1	9	2	49	1.57	9	< 10	13	< 0.5	10	0.67	4
1228012156	61.0	10.7	-50.4	66.5	0.161	8.62	128	0.8	1.1	31	484	< 1	11	7	362	2.15	10	< 10	18	< 0.5	< 2	0.80	7
1231096198	18.4	12.2	-6.22	18.1	0.676	9.17	32	< 0.2	< 0.5	28	614	< 1	17	4	94	3.66	4	< 10	61	< 0.5	< 2	1.97	9
1228012073	59.5	10.1	-49.4	63.4	0.159	8.27	519	0.7	< 0.5	184	476	5	14	< 2	67	2.06	12	< 10	16	< 0.5	3	0.91	9
1228012001	65.0	49.6	-15.4	71.7	0.692	8.85	93	0.6	< 0.5	34	507	1	22	5	187	1.82	7	< 10	16	< 0.5	2	2.10	9
1229024295	40.8	14.9	-26.0	45.9	0.324	8.59	153	0.8	1.7	105	1030	1	19	5	580	2.86	17	< 10	35	< 0.5	4	0.83	11
1231096017	3.33	52.1	48.8	7.04	7.40	7.87	12	< 0.2	< 0.5	43	517	< 1	41	6	83	2.73	5	18	111	0.7	< 2	2.20	14
1229024301	91.0	8.72	-82.3	99.2	0.0879	8.22	191	3.6	3.6	726	983	< 1	19	9	1030	3.01	42	< 10	19	< 0.5	8	0.51	13
1229024256	41.5	26.9	-14.7	49.3	0.545	8.49	634	1.8	< 0.5	512	482	1	21	7	81	1.88	18	< 10	27	< 0.5	8	1.41	10
1231096165	20.1	30.0	9.85	24.2	1.24	8.49	30	< 0.2	< 0.5	32	521	< 1	25	3	86	3.24	4	< 10	53	< 0.5	< 2	2.07	13
1228012056	50.3	34.9	-15.4	56.7	0.616	8.69	112	0.5	1.8	107	405	4	13	< 2	524	1.26	11	< 10	22	< 0.5	< 2	1.52	7

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
v845083							1440	9.4	< 0.5	53	348	20	13	7	55	1.59	< 2	< 10	79	< 0.5	< 2	1.17	14
1228006204	17.2	24.4	7.26	20.5	1.19	8.70	69	2.1	1.9	56	718	4	12	96	513	3.75	10	13	56	< 0.5	< 2	1.99	14
1230039180	34.5	11.1	-23.4	38.0	0.292	8.55	86	0.2	< 0.5	56	390	2	15	3	99	2.88	7	< 10	31	< 0.5	< 2	1.19	8
1230039062	54.1	5.57	-48.5	57.9	0.0963	8.29	618	1.8	0.8	335	546	< 1	16	< 2	330	1.90	14	< 10	23	< 0.5	4	0.33	9
1115501356	65.2	19.4	-45.8	70.1	0.277	8.39	1780	1.9	3.2	69	421	2	17	38	825	0.91	196	< 10	17	< 0.5	< 2	0.87	8
1231096083	18.4	3.71	-14.7	18.1	0.205	9.09	24	< 0.2	< 0.5	46	468	2	24	< 2	76	3.31	7	< 10	63	< 0.5	< 2	1.74	10
1230041219	28.1	8.51	-19.6	27.6	0.309	8.56	183	< 0.2	< 0.5	77	353	< 1	12	< 2	39	3.34	5	< 10	31	< 0.5	< 2	1.24	6
1230039078	35.2	24.1	-11.1	38.6	0.625	8.63	398	0.7	0.8	115	661	< 1	13	2	347	2.03	11	< 10	35	< 0.5	< 2	1.21	8
1228006086	28.2	10.8	-17.4	30.9	0.350	8.54	299	0.2	0.6	47	546	< 1	10	19	341	3.58	11	17	45	< 0.5	< 2	1.37	6
1228006032	3.44	13.8	10.3	3.37	4.09	8.73	6	< 0.2	< 0.5	133	556	< 1	50	< 2	54	5.75	2	< 10	21	< 0.5	< 2	3.89	22
1228006138	19.1	28.1	9.06	18.7	1.51	8.82	37	0.3	< 0.5	20	906	1	19	13	128	3.26	18	17	54	< 0.5	< 2	2.21	8
1231029227	56.5	11.8	-44.6	60.0	0.197	8.42	169	0.7	1.2	36	654	< 1	11	5	447	2.11	16	< 10	15	< 0.5	2	0.61	9
1228006072	24.1	11.4	-12.7	23.6	0.482	8.84	18	0.2	0.6	41	687	< 1	10	15	390	3.26	5	19	52	< 0.5	< 2	1.26	8
1228006110	25.9	16.7	-9.24	28.5	0.586	8.47	111	0.3	1.5	37	624	< 1	11	5	691	3.61	5	19	42	< 0.5	< 2	1.47	7
1230039144	14.4	11.9	-2.52	14.1	0.841	8.92	147	0.6	< 0.5	131	445	13	13	< 2	135	2.96	7	< 10	45	< 0.5	4	1.37	4
1228006160	62.5	8.73	-53.8	66.2	0.132	8.21	124	0.3	< 0.5	43	425	< 1	14	5	74	2.61	21	< 10	19	< 0.5	2	0.65	7
1231098032	23.8	15.4	-8.42	27.3	0.566	8.64	65	0.4	< 0.5	26	634	< 1	17	18	188	3.26	14	< 10	60	< 0.5	< 2	1.92	9
1228006047	32.4	13.6	-18.8	34.9	0.390	8.51	41	< 0.2	< 0.5	73	414	2	10	7	126	3.29	8	13	43	< 0.5	< 2	1.50	7
v845084							260	2.8	< 0.5	59	456	< 1	19	7	70	1.76	< 2	< 10	89	< 0.5	< 2	1.62	16
1229024046	28.6	13.3	-15.3	31.2	0.426	8.85	202	0.7	1.7	41	641	< 1	12	< 2	538	2.60	8	< 10	47	< 0.5	< 2	1.23	7
1228012292	60.1	10.1	-50.0	64.6	0.156	8.44	382	0.8	< 0.5	238	491	4	14	< 2	55	1.91	8	< 10	13	< 0.5	3	0.77	8
1228012370	83.4	9.35	-74.1	91.6	0.102	8.16	193	1.7	3.9	265	468	1	17	3	1030	2.01	16	< 10	12	< 0.5	< 2	0.86	8
1231028014	20.1	17.3	-2.85	23.3	0.741	8.59	90	0.4	< 0.5	47	702	1	12	19	131	2.14	10	< 10	58	< 0.5	< 2	0.93	7
2136016162	0.938	16.3	15.4	0.919	17.8	9.48	5	< 0.2	< 0.5	25	310	1	16	3	47	2.78	< 2	14	84	< 0.5	< 2	1.71	8
1228012318	50.2	19.8	-30.4	53.9	0.367	8.50	38	0.2	< 0.5	44	564	3	19	< 2	55	1.35	9	< 10	14	< 0.5	< 2	1.01	8
1228012169	57.6	8.73	-48.9	61.6	0.142	8.43	952	0.8	< 0.5	264	470	4	16	5	69	2.16	6	< 10	19	< 0.5	4	0.87	8
1228012211	51.4	21.2	-30.2	56.0	0.379	8.80	164	0.4	< 0.5	114	597	3	17	3	78	1.32	7	< 10	18	< 0.5	2	1.09	8
1229024165	25.7	22.2	-3.54	28.5	0.779	9.12	67	0.3	< 0.5	28	533	< 1	11	6	206	2.12	6	< 10	52	< 0.5	< 2	1.17	7
1229024104	31.1	8.47	-22.7	33.7	0.251	8.60	58	< 0.2	0.6	25	466	< 1	16	< 2	259	2.30	6	< 10	49	< 0.5	< 2	0.62	7
1229024108	39.6	6.45	-33.1	42.6	0.152	8.53	127	0.4	0.5	37	422	1	8	4	206	2.07	11	< 10	30	< 0.5	< 2	0.62	8
1228012358	48.0	19.5	-28.5	53.0	0.369	8.41	33	0.3	< 0.5	74	519	3	16	3	69	1.35	10	< 10	26	< 0.5	< 2	1.04	8
1228012336	51.7	18.2	-33.5	56.7	0.321	8.61	71	0.5	< 0.5	99	334	4	19	3	183	1.23	8	< 10	24	< 0.5	4	0.89	8
v845085							1160	4.0	< 0.5	23	145	7	5	< 2	27	0.65	< 2	< 10	22	< 0.5	< 2	0.61	5
2136015106	2.50	16.0	13.5	2.45	6.54	9.05	< 5	< 0.2	< 0.5	21	431	1	31	4	47	4.74	< 2	< 10	74	< 0.5	< 2	2.25	11
2136015267	1.14	33.0	31.9	4.59	7.19	9.58	< 5	< 0.2	< 0.5	9	292	2	12	< 2	56	1.22	3	< 10	91	< 0.5	< 2	1.47	7
2136015193	9.06	8.53	-0.528	8.88	0.961	8.93	5	0.2	< 0.5	29	351	2	19	< 2	54	2.41	< 2	< 10	85	< 0.5	< 2	1.15	22
1115501279	93.3	8.92	-84.4	98.6	0.0904	8.05	734	1.9	4.4	93	492	< 1	19	25	1190	1.07	173	< 10	13	< 0.5	< 2	0.43	8
2136016002	4.06	28.9	24.8	3.98	7.25	9.22	< 5	0.3	< 0.5	29	382	1	14	11	79	2.22	4	< 10	64	< 0.5	< 2	2.02	8
1229024028	30.5	15.2	-15.3	34.3	0.444	8.72	178	0.5	2.2	19	892	< 1	11	6	692	3.23	16	< 10	42	< 0.5	< 2	1.50	6
1115501134	46.7	28.2	-18.5	53.3	0.529	8.73	1030	1.5	9.5	54	901	< 1	13	41	2480	1.67	59	< 10	28	< 0.5	< 2	1.26	6
1229024122	54.4	23.8	-30.5	60.0	0.397	8.42	144	1.1	1.7	71	498	< 1	12	12	563	2.11	33	11	23	< 0.5	3	1.36	7
1228006006	21.6	9.96	-11.6	21.1	0.471	8.66	33	< 0.2	< 0.5	44	545	2	12	4	165	3.64	5	14	45	< 0.5	< 2	1.29	7

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
1228011002	182	4.86	< 10	1	0.02	< 10	2.33	0.474	0.018	0.10	3	5	66	0.24	< 1	< 2	< 10	133	< 10	4	4	0.11	0.13
1231026508	127	2.90	< 10	< 1	0.25	13	1.17	0.069	0.043	1.37	< 2	1	25	0.03	3	< 2	< 10	13	< 10	2	14	0.08	1.41
1231026330	118	2.76	< 10	< 1	0.15	< 10	2.65	0.034	0.036	1.54	2	< 1	9	< 0.01	2	< 2	< 10	11	< 10	1	8	< 0.01	1.65
1231026192	148	2.31	< 10	< 1	0.19	11	2.25	0.034	0.038	1.20	< 2	< 1	11	< 0.01	1	< 2	< 10	9	< 10	2	10	0.03	1.26
1228011164	212	2.62	< 10	< 1	0.25	13	0.86	0.234	0.041	1.79	< 2	1	83	0.06	1	< 2	< 10	17	< 10	3	17	0.07	1.80
1228011080	102	2.30	< 10	1	0.13	19	0.95	0.170	0.049	2.47	2	< 1	76	< 0.01	4	< 2	< 10	8	< 10	2	21	0.15	2.51
1228011030	147	2.43	< 10	< 1	0.14	22	1.19	0.177	0.049	2.36	< 2	< 1	90	< 0.01	2	< 2	< 10	10	< 10	2	18	0.24	2.52
1228011186	167	2.28	< 10	< 1	0.19	16	0.90	0.127	0.047	2.18	< 2	< 1	53	< 0.01	2	< 2	< 10	10	15	3	15	0.38	2.24
1231026416	164	2.60	< 10	< 1	0.22	13	1.26	0.107	0.040	1.53	< 2	1	39	0.02	2	2	< 10	16	< 10	2	13	0.30	1.61
2134003034	249	2.12	< 10	< 1	0.73	20	0.85	0.132	0.045	0.05	< 2	3	45	0.12	1	< 2	< 10	33	< 10	5	29	0.44	0.08
2134003126	234	2.20	< 10	< 1	0.67	19	0.83	0.182	0.044	0.10	< 2	2	91	0.12	< 1	< 2	< 10	31	31	5	20	0.37	0.10
2134003076	280	2.09	< 10	< 1	0.58	19	0.66	0.108	0.044	0.08	< 2	2	38	0.12	1	< 2	< 10	30	< 10	5	24	0.39	0.10
2134003030	267	2.16	< 10	< 1	0.76	21	0.80	0.155	0.044	0.03	< 2	3	58	0.13	5	< 2	< 10	35	< 10	6	24	0.41	0.06
1231097327	215	1.83	< 10	< 1	0.28	15	0.90	0.075	0.041	0.82	< 2	2	19	0.04	< 1	< 2	< 10	21	< 10	3	10	0.43	0.81
1228011204	246	2.54	< 10	< 1	0.23	13	0.82	0.250	0.039	1.66	< 2	1	104	0.05	< 1	< 2	< 10	18	< 10	3	16	0.15	1.68
1228011159	202	2.42	< 10	< 1	0.22	13	0.61	0.068	0.039	2.19	< 2	1	24	0.04	1	< 2	< 10	13	< 10	3	18	0.33	2.25
1228011104	232	4.79	< 10	2	0.04	< 10	1.99	0.611	0.021	0.23	3	5	66	0.24	< 1	< 2	< 10	139	< 10	4	4	0.14	0.24
1231097121	192	2.43	< 10	< 1	0.22	17	1.17	0.099	0.050	2.26	< 2	< 1	37	< 0.01	2	< 2	< 10	11	< 10	3	18	0.54	2.34
1231028199	222	1.90	< 10	< 1	0.17	18	0.77	0.070	0.058	0.75	< 2	< 1	27	0.03	< 1	< 2	< 10	13	< 10	2	8	0.10	0.80
v845076	13	3.29	< 10	< 1	0.23	10	0.55	0.286	0.059	0.05	< 2	4	36	0.48	1	< 2	< 10	101	< 10	18	29	< 0.01	0.08
1228012265	287	2.46	< 10	< 1	0.27	13	1.03	0.190	0.041	2.03	< 2	1	74	0.01	2	< 2	< 10	14	< 10	3	20	0.22	2.12
1229024243	251	3.88	< 10	< 1	0.33	18	1.86	0.055	0.047	2.53	< 2	1	28	< 0.01	< 1	< 2	< 10	16	< 10	3	18	0.31	2.68
1228012283	439	2.47	< 10	< 1	0.24	13	0.77	0.107	0.040	1.58	3	2	32	0.05	2	< 2	< 10	22	11	3	19	0.20	1.60
1229024238	205	3.64	< 10	< 1	0.43	15	2.11	0.109	0.044	2.00	3	2	44	0.04	2	< 2	< 10	21	< 10	3	19	0.15	2.18
1228012216	323	3.03	< 10	< 1	0.20	13	0.92	0.307	0.037	2.06	4	1	127	0.06	< 1	< 2	< 10	21	11	3	17	0.28	2.22
1228012196	247	2.62	< 10	< 1	0.27	14	1.00	0.167	0.040	2.24	< 2	1	58	0.04	< 1	< 2	< 10	17	69	3	21	0.19	2.21
v845077	10	1.98	< 10	< 1	0.19	20	0.26	0.220	0.035	0.02	< 2	2	35	0.33	4	< 2	< 10	44	< 10	17	32	< 0.01	0.05
1228012018	257	3.14	< 10	< 1	0.21	13	1.04	0.351	0.038	1.76	2	1	121	< 0.01	< 1	< 2	< 10	15	< 10	3	13	0.20	1.85
1229024027	250	2.80	< 10	< 1	0.32	16	1.74	0.184	0.050	0.98	< 2	1	73	0.03	2	< 2	< 10	19	< 10	3	10	0.18	1.00
1228012104	354	2.73	< 10	< 1	0.23	14	0.85	0.117	0.039	1.93	< 2	2	37	0.06	2	< 2	< 10	21	< 10	4	20	0.16	1.70
1230041028	283	3.98	< 10	< 1	0.35	< 10	0.68	0.074	0.031	2.20	2	< 1	41	0.04	< 1	< 2	< 10	10	< 10	2	22	0.11	2.33
1229024260	310	2.58	< 10	< 1	0.34	13	0.91	0.117	0.039	1.51	< 2	1	38	< 0.01	< 1	< 2	< 10	14	< 10	2	14	0.29	1.52
1228012120	154	4.75	< 10	3	0.07	< 10	1.87	0.678	0.022	0.24	< 2	5	61	0.23	< 1	< 2	< 10	140	< 10	4	4	0.11	0.26
1229024135	338	2.32	< 10	< 1	0.25	10	0.94	0.084	0.036	1.09	< 2	1	32	0.02	< 1	< 2	< 10	15	< 10	2	13	0.32	1.13
1229024209	328	3.59	< 10	< 1	0.84	41	1.95	0.079	0.119	1.06	< 2	7	89	0.09	< 1	< 2	< 10	62	< 10	5	9	0.70	1.16
1228012243	416	2.84	< 10	< 1	0.19	13	0.89	0.246	0.039	1.85	3	1	76	0.02	5	< 2	< 10	17	< 10	3	16	0.20	1.92
1229024309	255	2.72	< 10	< 1	0.39	13	1.08	0.111	0.040	1.91	2	1	57	< 0.01	< 1	< 2	< 10	13	< 10	2	15	0.36	1.98
v845078	13	3.89	< 10	< 1	0.45	29	0.84	0.235	0.093	0.08	< 2	6	53	0.48	5	2	< 10	130	< 10	26	13	0.09	0.10
1228009275	200	3.90	< 10	< 1	0.28	16	1.19	0.048	0.042	3.37	2	< 1	24	< 0.01	< 1	< 2	< 10	9	< 10	2	14	0.14	3.41
1228009288	268	2.32	< 10	< 1	0.21	14	1.07	0.182	0.042	2.13	< 2	1	66	< 0.01	< 1	< 2	< 10	12	< 10	2	16	0.23	2.20
1228009001	265	2.53	< 10	< 1	0.25	12	0.89	0.107	0.037	1.43	< 2	1	52	0.06	< 1	< 2	< 10	18	< 10	3	14	0.33	1.45
1228009089	138	5.06	< 10	< 1	0.03	< 10	2.28	0.645	0.021	0.09	3	6	75	0.25	3	< 2	< 10	145	< 10	4	4	0.10	0.12
1228009003	156	4.12	< 10	3	0.15	< 10	1.68	0.501	0.026	0.49	< 2	5	57	0.21	2	< 2	< 10	108	< 10	3	6	0.17	0.52
v845079	9	1.42	< 10	< 1	0.08	< 10	0.13	0.174	0.031	0.02	< 2	1	22	0.31	6	< 2	< 10	40	< 10	9	23	0.04	0.02
1231098026	180	2.77	< 10	< 1	0.39	23	1.23	0.167	0.062	0.99	< 2	3	82	0.11	3	< 2	< 10	38	< 10	4	14	0.09	1.08
1231098902	204	1.90	< 10	< 1	0.25	< 10	0.69	0.045	0.028	1.07	< 2	< 1	24	< 0.01	< 1	< 2	< 10	10	< 10	1	10	0.05	1.11
1231098332	264	2.26	< 10	< 1	0.28	< 10	0.50	0.048	0.038	1.98	< 2	< 1	15	< 0.01	1	< 2	< 10	8	< 10	2	15	0.05	1.98
1231098175	272	2.56	< 10	< 1	0.24	15	0.95	0.164	0.049	0.62	< 2	3	79	0.08	< 1	< 2	< 10	35	< 10	4	12	0.09	0.64
2136015157	151	2.05	< 10	< 1	0.26	20	0.50	0.205	0.043	0.32	< 2	2	185	0.10	2	< 2	< 10	22	< 10	5	16	0.36	0.35
2136015117	263	2.13	< 10	< 1	0.38	20	0.50	0.091	0.044	0.19	< 2	2	49	0.12	2	< 2	< 10	29	< 10	5	22	0.48	0.18
2136015001	316	2.07	< 10	1	0.29	17	0.80	0.348	0.044	0.11	< 2	3	262	0.08	4	< 2	< 10	30	< 10	3	10	0.02	0.11

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
2136015027	199	1.94	< 10	< 1	0.50	21	0.57	0.083	0.044	0.23	< 2	2	39	0.10	2	< 2	< 10	26	< 10	6	21	0.40	0.24
v845080	12	3.00	< 10	< 1	0.25	16	0.46	0.205	0.048	0.04	2	3	47	0.32	3	< 2	< 10	63	< 10	20	27	0.38	0.04
1229019143	189	2.64	< 10	< 1	0.26	12	0.78	0.094	0.038	1.64	< 2	< 1	63	0.03	5	< 2	< 10	10	< 10	2	15	0.13	1.70
1229008313	171	2.52	< 10	< 1	0.15	13	1.16	0.110	0.040	1.79	< 2	1	42	0.01	< 1	< 2	< 10	14	< 10	3	17	0.26	1.82
1229008124	232	2.13	< 10	< 1	0.14	14	0.93	0.154	0.039	1.05	< 2	1	63	< 0.01	< 1	< 2	< 10	14	< 10	3	10	0.30	1.08
1231026185	144	2.49	< 10	< 1	0.18	13	1.81	0.068	0.038	1.58	< 2	< 1	19	< 0.01	1	< 2	< 10	11	< 10	2	14	0.15	1.63
1229008282	159	2.11	< 10	< 1	0.16	14	1.50	0.090	0.045	2.03	2	1	28	< 0.01	5	< 2	< 10	11	< 10	2	16	0.10	2.01
1229019223	243	3.57	< 10	< 1	0.21	13	1.53	0.312	0.046	0.34	3	6	69	0.16	< 1	< 2	< 10	80	< 10	5	9	0.27	0.36
1231026229	177	2.20	< 10	< 1	0.14	16	1.46	0.169	0.041	0.99	3	1	49	0.01	1	< 2	< 10	16	< 10	2	14	0.13	0.96
1231026255	164	2.42	< 10	< 1	0.19	18	1.67	0.114	0.044	1.11	< 2	1	33	0.01	< 1	2	< 10	15	< 10	2	13	0.07	1.07
1231026301	121	3.17	< 10	< 1	0.20	10	2.37	0.033	0.036	2.21	< 2	< 1	8	< 0.01	3	< 2	< 10	10	< 10	2	11	0.03	2.29
1231026172	136	2.25	< 10	< 1	0.17	14	1.09	0.061	0.041	1.08	< 2	< 1	20	< 0.01	< 1	< 2	< 10	9	< 10	3	11	0.09	1.13
1231026346	124	1.95	< 10	< 1	0.21	13	1.54	0.036	0.044	1.24	< 2	< 1	14	< 0.01	2	< 2	< 10	7	< 10	2	6	< 0.01	1.24
1231026312	83	2.12	< 10	< 1	0.20	10	1.89	0.045	0.034	1.39	< 2	< 1	16	< 0.01	1	< 2	< 10	7	< 10	1	10	0.32	1.49
1228011028	136	2.51	< 10	1	0.16	19	1.10	0.183	0.053	2.51	3	< 1	104	< 0.01	5	< 2	< 10	10	< 10	3	15	0.21	2.63
1229008251	248	2.21	< 10	< 1	0.17	15	0.65	0.069	0.039	1.34	2	1	24	< 0.01	< 1	< 2	< 10	13	< 10	3	15	0.25	1.19
1229008191	175	2.50	< 10	< 1	0.17	20	1.03	0.107	0.065	1.49	< 2	2	58	< 0.01	< 1	< 2	< 10	18	< 10	4	3	0.36	1.55
1229019112	184	2.38	< 10	< 1	0.30	13	0.76	0.263	0.039	1.11	< 2	1	172	0.08	1	< 2	< 10	18	< 10	2	15	0.17	1.19
1231026412	123	2.53	< 10	1	0.17	13	1.21	0.085	0.037	1.89	< 2	< 1	38	< 0.01	3	< 2	< 10	9	< 10	2	15	0.27	1.98
1229008294	277	1.92	< 10	< 1	0.18	13	0.68	0.079	0.038	0.97	< 2	1	30	< 0.01	< 1	< 2	< 10	12	< 10	3	9	0.39	1.00
1229008235	203	3.44	< 10	< 1	0.20	14	0.91	0.103	0.039	2.56	2	1	35	< 0.01	< 1	< 2	< 10	13	< 10	3	20	0.24	2.59
v845081	9	1.43	< 10	< 1	0.08	< 10	0.13	0.171	0.031	0.02	< 2	1	21	0.29	4	< 2	< 10	39	< 10	9	22	0.03	0.02
1231030041	107	2.50	< 10	< 1	0.22	13	1.93	0.023	0.036	0.83	< 2	< 1	14	0.02	< 1	< 2	< 10	13	< 10	1	5	0.10	0.84
1231030106	116	2.69	< 10	< 1	0.22	14	1.66	0.022	0.037	1.25	< 2	< 1	13	< 0.01	1	< 2	< 10	12	< 10	1	5	0.07	1.34
1231030264	118	2.69	< 10	< 1	0.23	10	1.25	0.047	0.042	1.41	< 2	1	43	< 0.01	< 1	3	< 10	18	< 10	2	8	0.06	1.40
1231030023	121	2.87	< 10	< 1	0.23	13	1.39	0.055	0.043	1.82	< 2	< 1	19	< 0.01	< 1	< 2	< 10	14	< 10	2	14	0.13	1.85
1230041144	256	3.40	< 10	< 1	0.26	10	0.75	0.113	0.034	1.88	2	< 1	74	0.03	4	< 2	< 10	10	< 10	2	17	0.09	1.99
1231026003	58	2.84	< 10	< 1	0.19	13	1.58	0.041	0.041	1.50	2	< 1	13	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.17	1.53
1231026036	198	2.12	< 10	< 1	0.21	11	1.50	0.115	0.035	0.79	< 2	1	37	< 0.01	2	< 2	< 10	13	< 10	2	12	0.24	0.84
1231029263	204	2.75	< 10	< 1	0.21	14	1.74	0.090	0.044	0.89	< 2	1	31	0.02	< 1	< 2	< 10	19	193	3	12	0.16	0.87
1229024349	215	5.67	< 10	2	0.40	10	2.73	0.239	0.048	3.58	< 2	4	92	0.10	3	< 2	< 10	63	< 10	5	19	0.17	3.73
1229024305	160	2.62	< 10	< 1	0.36	13	1.16	0.081	0.038	2.04	< 2	< 1	34	0.03	1	< 2	< 10	11	< 10	2	25	0.11	2.10
1230041059	203	2.95	< 10	1	0.27	16	1.20	0.079	0.042	0.61	< 2	1	69	0.01	4	< 2	< 10	19	< 10	2	7	0.15	0.63
1230041014	132	2.66	< 10	< 1	0.26	15	1.20	0.080	0.038	0.43	< 2	1	73	< 0.01	3	< 2	< 10	15	< 10	2	6	0.26	0.43
v845082	13	3.85	< 10	< 1	0.44	29	0.84	0.228	0.092	0.08	< 2	6	52	0.46	4	< 2	< 10	127	< 10	25	11	0.10	0.08
1229024011	330	2.23	< 10	< 1	0.78	15	1.42	0.207	0.045	0.77	< 2	2	110	0.07	< 1	< 2	< 10	27	< 10	2	11	0.21	0.81
1230041087	255	3.30	< 10	< 1	0.29	10	0.63	0.047	0.032	1.92	< 2	< 1	22	0.03	4	< 2	< 10	8	< 10	2	16	0.15	2.01
1228012156	178	2.17	< 10	< 1	0.16	15	1.21	0.154	0.042	2.03	2	1	60	< 0.01	5	< 2	< 10	13	< 10	2	17	0.08	2.17
1231096198	211	2.63	< 10	< 1	0.33	19	1.50	0.290	0.054	0.54	< 2	2	146	0.07	< 1	< 2	< 10	25	< 10	3	10	0.10	0.59
1228012073	278	2.90	< 10	< 1	0.23	13	0.76	0.225	0.039	2.05	< 2	1	81	< 0.01	2	< 2	< 10	15	< 10	3	17	0.17	2.07
1228012001	215	2.51	< 10	< 1	0.25	17	1.36	0.121	0.048	2.28	2	2	55	< 0.01	< 1	< 2	< 10	15	< 10	3	13	0.58	2.34
1229024295	348	3.67	< 10	< 1	0.25	13	1.73	0.097	0.041	1.40	3	2	52	0.01	3	< 2	< 10	25	< 10	4	10	0.22	1.50
1231096017	209	3.33	< 10	< 1	0.51	25	1.65	0.117	0.061	0.23	< 2	6	82	0.12	3	< 2	< 10	79	< 10	8	6	0.94	0.23
1229024301	188	5.03	< 10	< 1	0.26	18	3.11	0.045	0.056	3.04	3	2	17	0.02	1	< 2	< 10	29	< 10	4	19	0.09	3.24
1229024256	222	3.21	< 10	< 1	0.30	24	1.28	0.079	0.065	1.50	< 2	3	41	0.01	< 1	< 2	< 10	28	< 10	3	9	0.33	1.61
1231096165	316	3.11	< 10	< 1	0.28	20	1.59	0.255	0.057	0.75	2	3	115	0.09	< 1	< 2	< 10	47	< 10	5	6	0.38	0.79
1228012056	269	2.30	< 10	< 1	0.30	12	0.84	0.077	0.038	1.79	< 2	1	27	0.01	< 1	< 2	< 10	13	< 10	2	16	0.42	1.85
v845083	13	3.51	< 10	< 1	0.24	10	0.58	0.306	0.060	0.06	< 2	4	38	0.48	3	< 2	< 10	101	< 10	18	22	0.03	0.06
1228006204	201	2.11	< 10	1	0.29	15	1.36	0.133	0.043	0.67	< 2	1	170	< 0.01	2	< 2	< 10	14	< 10	2	4	0.31	0.67
1230039180	213	2.73	< 10	< 1	0.26	13	1.37	0.155	0.040	1.30	3	1	117	0.01	< 1	< 2	< 10	14	< 10	2	13	0.10	1.24
1230039062	187	3.33	< 10	< 1	0.27	15	1.55	0.052	0.046	1.86	< 2	< 1	19	< 0.01	5	< 2	< 10	13	< 10	3	14	0.07	1.89

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
1115501356	232	2.43	< 10	< 1	0.32	14	0.45	0.031	0.041	2.36	4	< 1	17	< 0.01	< 1	< 2	< 10	6	< 10	3	17	0.25	2.29
1231096083	244	2.61	< 10	< 1	0.42	17	1.23	0.328	0.052	0.57	< 2	2	139	0.09	< 1	< 2	< 10	34	< 10	3	9	0.09	0.59
1230041219	226	2.72	< 10	< 1	0.18	13	1.08	0.258	0.038	0.87	2	1	148	< 0.01	2	< 2	< 10	15	< 10	2	7	0.10	0.90
1230039078	210	2.61	< 10	< 1	0.27	15	1.51	0.120	0.043	1.25	< 2	1	44	0.02	< 1	< 2	< 10	16	< 10	4	13	0.31	1.26
1228006086	138	2.75	< 10	< 1	0.22	11	1.16	0.115	0.042	0.96	< 2	1	160	< 0.01	3	< 2	< 10	13	< 10	1	10	0.14	1.01
1228006032	203	5.15	< 10	< 1	0.07	< 10	2.22	0.717	0.022	0.10	2	8	72	0.22	< 1	< 2	< 10	148	< 10	4	3	0.13	0.11
1228006138	239	2.42	< 10	< 1	0.36	13	1.17	0.125	0.039	0.61	< 2	1	130	0.05	2	< 2	< 10	15	< 10	2	10	0.39	0.61
1231029227	121	3.17	< 10	< 1	0.29	13	1.41	0.066	0.042	1.85	2	1	24	< 0.01	1	< 2	< 10	13	< 10	2	12	0.11	1.96
1228006072	157	2.34	< 10	< 1	0.31	17	1.30	0.101	0.052	0.76	< 2	1	106	0.02	< 1	< 2	< 10	15	< 10	2	6	0.10	0.77
1228006110	195	2.58	10	< 1	0.24	15	1.23	0.107	0.047	0.94	< 2	< 1	141	< 0.01	1	< 2	< 10	14	< 10	2	5	0.23	0.93
1230039144	237	2.00	< 10	< 1	0.24	11	1.17	0.211	0.043	0.46	< 2	1	152	0.01	< 1	< 2	< 10	15	< 10	2	8	0.17	0.46
1228006160	222	3.81	< 10	< 1	0.24	15	1.25	0.066	0.041	2.02	3	1	68	< 0.01	< 1	< 2	< 10	12	< 10	2	15	0.24	2.16
1231098032	216	2.36	< 10	< 1	0.39	26	1.13	0.171	0.062	0.86	< 2	2	84	0.05	2	< 2	< 10	23	< 10	4	6	0.16	0.89
1228006047	150	2.23	< 10	< 1	0.22	15	1.15	0.153	0.047	1.10	< 2	< 1	155	< 0.01	3	< 2	< 10	12	< 10	2	9	0.16	1.14
v845084	13	3.88	< 10	< 1	0.44	29	0.84	0.226	0.093	0.08	2	6	52	0.46	4	< 2	< 10	125	< 10	25	12	0.10	0.08
1229024046	261	2.19	< 10	< 1	0.25	16	1.26	0.253	0.049	0.99	< 2	1	92	0.02	< 1	< 2	< 10	17	< 10	3	10	0.10	1.02
1228012292	256	2.93	< 10	< 1	0.23	14	0.88	0.176	0.041	2.06	< 2	1	59	< 0.01	5	< 2	< 10	16	< 10	3	17	0.08	2.11
1228012370	278	2.99	< 10	< 1	0.24	26	1.13	0.139	0.059	3.10	3	1	47	0.01	4	< 2	< 10	14	< 10	3	19	0.13	2.99
1231028014	188	2.29	< 10	1	0.29	17	1.20	0.115	0.043	0.74	< 2	< 1	62	< 0.01	< 1	< 2	< 10	12	< 10	2	8	0.23	0.76
2136016162	265	2.21	< 10	< 1	0.55	18	0.87	0.266	0.045	0.03	2	2	123	0.11	5	< 2	< 10	30	< 10	4	13	0.17	0.03
1228012318	493	2.85	< 10	< 1	0.19	14	0.84	0.114	0.040	1.76	3	2	29	0.03	< 1	< 2	< 10	21	12	3	18	0.34	1.76
1228012169	284	3.34	< 10	< 1	0.24	14	0.93	0.215	0.042	2.08	3	1	71	0.01	6	< 2	< 10	15	< 10	3	17	0.07	2.01
1228012211	367	2.75	< 10	< 1	0.27	14	0.85	0.107	0.040	1.86	2	2	28	0.05	< 1	< 2	< 10	23	< 10	3	20	0.22	1.83
1229024165	202	2.41	< 10	< 1	0.24	24	1.26	0.162	0.054	0.88	< 2	1	82	< 0.01	< 1	< 2	< 10	18	< 10	3	3	0.22	0.93
1229024104	223	2.51	< 10	< 1	0.20	20	1.44	0.147	0.057	1.04	< 2	2	72	< 0.01	1	< 2	< 10	20	< 10	3	9	0.10	1.10
1229024108	145	2.27	< 10	< 1	0.32	19	1.02	0.147	0.053	1.39	< 2	1	69	0.01	2	< 2	< 10	14	< 10	3	9	0.05	1.39
1228012358	460	2.77	< 10	< 1	0.20	15	0.83	0.115	0.041	1.75	2	2	32	0.02	< 1	< 2	< 10	19	< 10	3	18	0.31	1.73
1228012336	453	2.58	< 10	< 1	0.24	13	0.95	0.089	0.041	1.90	2	2	25	0.02	2	< 2	< 10	18	< 10	3	20	0.27	1.85
v845085	9	1.50	< 10	< 1	0.09	< 10	0.13	0.178	0.032	0.02	< 2	1	22	0.30	7	< 2	< 10	40	< 10	9	22	0.05	0.02
2136015106	177	2.93	10	1	0.09	19	1.66	0.168	0.050	0.08	3	4	290	0.01	< 1	< 2	< 10	43	< 10	3	3	0.15	0.08
2136015267	171	1.94	< 10	< 1	0.52	20	0.45	0.109	0.045	0.16	< 2	2	46	0.10	< 1	< 2	< 10	29	< 10	5	18	0.35	0.15
2136015193	251	2.60	< 10	< 1	0.29	22	0.75	0.215	0.048	0.32	< 2	2	145	0.08	3	< 2	< 10	27	81	5	10	0.16	0.29
1115501279	319	3.55	< 10	< 1	0.39	17	0.39	0.032	0.042	3.34	7	< 1	12	0.01	2	< 2	< 10	8	< 10	3	29	0.08	3.22
2136016002	91	2.25	< 10	< 1	0.46	21	0.92	0.176	0.044	0.13	< 2	3	78	0.12	< 1	< 2	< 10	31	< 10	5	13	0.37	0.13
1229024028	236	2.64	< 10	1	0.44	18	1.72	0.151	0.046	1.13	2	< 1	65	0.03	1	< 2	< 10	13	< 10	2	11	0.20	1.12
1115501134	266	2.51	< 10	1	0.39	15	1.18	0.032	0.038	1.75	3	< 1	26	0.02	< 1	< 2	< 10	9	< 10	2	20	0.35	1.74
1229024122	172	2.49	< 10	1	0.37	15	1.18	0.137	0.044	2.07	2	< 1	47	< 0.01	1	< 2	< 10	11	< 10	2	14	0.27	1.96
1228006006	171	2.57	< 10	2	0.21	17	1.25	0.133	0.049	0.71	5	1	141	0.01	7	< 2	< 10	17	< 10	2	6	0.13	0.69

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas								0.3	0.5	74	1090	< 1	24	98	133	7.32	215	< 10	648	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.4	0.6	74	1080	1	23	96	131	7.29	238	< 10	656	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	73	1080	1	25	98	130	7.18	236	< 10	646	0.9	< 2	0.12	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	13.8
BaSO4 Meas																							
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SGR-1b Cert																							
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GS311-4 Cert																							
NBM-1 (slight fzz) Meas		42.6				8.39																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		43.2				8.51																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz)		42.0				8.15																	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas						8.79																	
NBM-1 (slight fzz) Cert						8.53																	
OREAS 922 (AQUA REGIA) Meas								1.8	< 0.5	2240	814	< 1	36	63	281	3.07	6		76	0.8	9	0.43	18
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	2260	793	< 1	35	60	264	2.99	6		78	0.8	8	0.42	18
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								1.5	0.5	4450	898	< 1	32	84	350	2.99	6		63	0.7	11	0.43	20
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								2.0	< 0.5	4290	874	< 1	32	79	339	2.93	8		63	0.7	12	0.42	19
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	0.7	4540	874	< 1	32	80	345	2.98	9		58	0.7	13	0.42	21
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								11.2		> 10000				86	448						29		46
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
OREAS 220 (Fire Assay) Meas							881																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							896																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							891																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							902																
OREAS 220 (Fire Assay) Cert							866																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Meas								63.6	260	3480	531	14	25	> 5000	> 10000	1.77	79			0.6	< 2	1.66	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								67.3	280	3730	542	14	28	> 5000	> 10000	1.88	79			0.6	< 2	1.71	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								65.6	278	3710	552	14	26	> 5000	> 10000	1.87	79			0.6	5	1.71	30
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
OREAS 238 (Fire Assay) Meas							3170																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							2920																
OREAS 238 (Fire Assay) Cert							3030																
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
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GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
2134003034 Orig							< 5																
2134003034 Dup							< 5																
2134003030 Orig								< 0.2	< 0.5	8	317	1	15	< 2	49	1.65	3	< 10	113	< 0.5	< 2	1.73	8

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2134003030 Dup								< 0.2	< 0.5	8	325	1	17	< 2	47	1.73	< 2	< 10	116	< 0.5	< 2	1.76	8
1231028199 Orig							99																
1231028199 Dup							103																
v845076 Orig																							
v845076 Dup																							
v845077 Orig								2.0	< 0.5	22	225	9	7	22	47	1.15	< 2	< 10	46	< 0.5	< 2	0.75	6
v845077 Dup								2.1	< 0.5	22	225	10	8	23	48	1.14	< 2	< 10	45	< 0.5	< 2	0.75	6
1228012104 Orig							377																
1228012104 Dup							290																
1230041028 Orig																							
1230041028 Dup																							
1228009288 Orig								0.6	< 0.5	166	410	4	13	5	101	2.00	11	< 10	22	< 0.5	5	1.11	7
1228009288 Dup								0.7	< 0.5	162	400	4	14	4	98	1.94	11	< 10	21	< 0.5	5	1.09	7
1228009001 Orig																							
1228009001 Dup																							
1231098026 Orig							76																
1231098026 Dup							80																
2136015027 Orig																							
2136015027 Dup																							
1229019143 Orig								0.6	< 0.5	127	565	2	9	8	94	2.19	14	< 10	25	< 0.5	2	1.18	8
1229019143 Dup								0.6	< 0.5	134	575	2	12	6	90	2.27	11	< 10	25	< 0.5	2	1.19	7
1229008313 Orig							86																
1229008313 Dup							82																
1231026301 Orig																							
1231026301 Dup																							
1231026312 Orig							50																
1231026312 Dup							49																
v845081 Orig																							
v845081 Dup																							
1231030264 Orig						8.56																	
1231030264 Dup						8.46																	
1231030023 Orig								0.9	< 0.5	86	526	< 1	14	3	105	1.70	27	< 10	19	< 0.5	3	0.55	7
1231030023 Dup								0.9	< 0.5	81	523	< 1	13	2	107	1.68	25	< 10	18	< 0.5	3	0.55	8
1231026036 Orig							87																
1231026036 Dup							60																
1229024305 Orig																							
1229024305 Dup																							
1231096198 Orig							33																
1231096198 Dup							31																
1228012073 Orig								0.6	< 0.5	189	475	5	14	< 2	68	2.05	12	< 10	14	< 0.5	3	0.91	9
1228012073 Dup								0.7	< 0.5	180	478	5	14	2	66	2.07	12	< 10	18	< 0.5	3	0.92	9
1231096017 Orig																							
1231096017 Dup																							
1228006204 Orig							69																
1228006204 Dup							68																
1230039180 Orig	34.5	11.0	-23.4	38.0	0.291																		
1230039180 Dup	34.5	11.1	-23.4	38.0	0.293																		
1231096083 Orig								< 0.2	< 0.5	46	468	2	25	2	77	3.31	8	< 10	60	< 0.5	< 2	1.75	10
1231096083 Dup								< 0.2	< 0.5	46	468	2	23	< 2	74	3.31	7	< 10	65	< 0.5	< 2	1.73	10

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231098032 Orig							62																
1231098032 Dup							67																
1229024046 Orig								0.7	1.7	41	646	< 1	13	3	542	2.62	6	< 10	49	< 0.5	< 2	1.23	7
1229024046 Dup								0.6	1.7	41	635	< 1	11	< 2	534	2.58	9	< 10	45	< 0.5	< 2	1.22	7
1228012211 Orig							134																
1228012211 Dup							193																
2136015193 Orig								0.2	< 0.5	28	350	2	18	< 2	57	2.38	< 2	< 10	85	< 0.5	< 2	1.15	25
2136015193 Dup								0.2	< 0.5	30	353	2	20	< 2	51	2.43	3	< 10	86	< 0.5	< 2	1.15	18
1115501279 Orig							734																
2136016002 Orig																							
2136016002 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								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 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
GXR-6 Meas	85	6.10	20	5	1.22	< 10	0.45	0.088	0.034	0.01	3	19	27		< 1	< 2	< 10	180	< 10	5	5		
GXR-6 Cert	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	83	5.99	20	2	1.21	< 10	0.45	0.088	0.035	0.01	5	19	27		< 1	< 2	< 10	185	< 10	5	11		
GXR-6 Cert	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	83	5.98	20	4	1.20	< 10	0.44	0.086	0.034	0.01	4	19	27		< 1	< 2	< 10	182	< 10	5	9		
GXR-6 Cert	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																							14.1
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.1
BaSO4 Cert																							14.0
BaSO4 Meas																							13.8
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
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BaSO4 Cert																							14.0
BaSO4 Meas																							14.1
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																							14.4
BaSO4 Cert																							14.0
SGR-1b Meas																						27.9	1.58
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.59
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.59
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.5	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.44
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.57
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.53
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.54

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
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.1	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.59
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.58
SGR-1b Cert																						28	1.53
GS311-4 Meas																						1.11	0.58
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.56
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.12	0.57
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.13	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																						1.11	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.12	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.54
GS311-4 Cert																						1.11	0.54
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	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
NBM-1 (slight fzz) Cert																							
OREAS 922 (AQUA REGIA) Meas	49	5.30	< 10		0.55	39	1.48	0.037	0.063	0.36	3	5	16			< 2	< 10	39	< 10	24	14		
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	47	5.31	< 10		0.55	38	1.44	0.036	0.062	0.35	< 2	4	17			< 2	< 10	39	< 10	23	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 923 (AQUA REGIA) Meas	43	5.89	< 10		0.46	36	1.53		0.060	0.64	< 2	4	14			< 2	< 10	38	< 10	22	29		
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	42	5.83	< 10		0.46	35	1.50		0.058	0.61	< 2	4	14			< 2	< 10	37	< 10	21	27		
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	42	5.99	< 10		0.45	36	1.55		0.061	0.64	3	4	15			< 2	< 10	38	< 10	21	32		
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										3.89	6												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas	32	3.29	10	3	0.40	19	0.47	0.194	0.032	4.31	95	3	18			< 2	< 10	14	< 10	8	62		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	38	3.51	10	4	0.42	21	0.49	0.216	0.034	4.59	115	3	21			< 2	< 10	14	< 10	9	67		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		

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 621 (Aqua Regia) Meas	35	3.48	10	4	0.41	20	0.49	0.206	0.034	4.57	101	3	19			< 2	< 10	14	< 10	9	66		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																						0.06	0.35
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	0.37
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.07	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																						0.03	0.31
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.03	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	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	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																						0.04	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																						0.04	0.32
GS316-3 Cert																						0.0600	0.340
2134003034 Orig																						0.44	0.08
2134003034 Dup																						0.43	0.08
2134003030 Orig	263	2.11	< 10	1	0.74	20	0.79	0.152	0.044	0.03	< 2	3	57	0.13	5	< 2	< 10	34	< 10	5	24		
2134003030 Dup	271	2.20	< 10	< 1	0.77	21	0.81	0.159	0.045	0.03	< 2	3	59	0.14	5	< 2	< 10	35	< 10	6	25		
1231028199 Orig																							
1231028199 Dup																							
v845076 Orig																						< 0.01	0.08
v845076 Dup																						0.01	0.08
v845077 Orig	10	1.99	< 10	< 1	0.19	20	0.26	0.222	0.035	0.02	< 2	2	36	0.33	4	< 2	< 10	44	< 10	18	33		
v845077 Dup	10	1.97	< 10	< 1	0.18	19	0.25	0.218	0.034	0.02	< 2	2	35	0.32	4	< 2	< 10	43	< 10	17	32		
1228012104 Orig																							
1228012104 Dup																							
1230041028 Orig																						0.12	2.35

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
1230041028 Dup																						0.10	2.31
1228009288 Orig	268	2.31	< 10	< 1	0.21	14	1.08	0.183	0.042	2.15	< 2	1	66	< 0.01	< 1	< 2	< 10	12	< 10	2	16		
1228009288 Dup	268	2.33	< 10	< 1	0.21	14	1.07	0.181	0.043	2.11	< 2	1	65	< 0.01	1	< 2	< 10	12	< 10	2	17		
1228009001 Orig																						0.33	1.46
1228009001 Dup																						0.32	1.44
1231098026 Orig																							
1231098026 Dup																							
2136015027 Orig																						0.40	0.23
2136015027 Dup																						0.39	0.24
1229019143 Orig	189	2.59	< 10	< 1	0.25	12	0.77	0.092	0.037	1.63	3	< 1	62	0.03	6	< 2	< 10	10	< 10	2	14		
1229019143 Dup	189	2.68	< 10	< 1	0.26	12	0.79	0.096	0.038	1.65	< 2	< 1	64	0.03	3	< 2	< 10	10	< 10	2	15		
1229008313 Orig																							
1229008313 Dup																							
1231026301 Orig																						0.04	2.27
1231026301 Dup																						0.03	2.32
1231026312 Orig																							
1231026312 Dup																							
v845081 Orig																						0.03	0.02
v845081 Dup																						0.03	0.02
1231030264 Orig																							
1231030264 Dup																							
1231030023 Orig	121	2.87	< 10	< 1	0.23	13	1.40	0.055	0.044	1.79	< 2	1	19	< 0.01	< 1	< 2	< 10	14	< 10	2	13		
1231030023 Dup	121	2.87	< 10	< 1	0.23	14	1.39	0.054	0.043	1.85	< 2	< 1	19	< 0.01	< 1	< 2	< 10	14	< 10	2	14		
1231026036 Orig																							
1231026036 Dup																							
1229024305 Orig																						0.10	2.10
1229024305 Dup																						0.11	2.11
1231096198 Orig																							
1231096198 Dup																							
1228012073 Orig	277	2.88	< 10	< 1	0.23	13	0.76	0.222	0.039	2.02	< 2	1	80	< 0.01	1	< 2	< 10	15	< 10	3	17		
1228012073 Dup	278	2.92	< 10	< 1	0.23	14	0.76	0.227	0.040	2.09	< 2	1	82	< 0.01	2	< 2	< 10	15	< 10	3	17		
1231096017 Orig																						0.95	0.22
1231096017 Dup																						0.94	0.24
1228006204 Orig																							
1228006204 Dup																							
1230039180 Orig																							
1230039180 Dup																							
1231096083 Orig	244	2.63	< 10	< 1	0.42	17	1.23	0.330	0.052	0.59	< 2	2	139	0.08	< 1	< 2	< 10	34	< 10	3	8	0.09	0.62
1231096083 Dup	243	2.59	< 10	< 1	0.42	17	1.22	0.327	0.051	0.56	2	2	139	0.09	2	< 2	< 10	34	< 10	3	10	0.10	0.57
1231098032 Orig																						0.16	0.88
1231098032 Dup																						0.16	0.90
1229024046 Orig	264	2.22	< 10	< 1	0.25	16	1.28	0.258	0.050	1.00	< 2	1	93	0.02	3	< 2	< 10	17	< 10	3	12		
1229024046 Dup	258	2.17	< 10	< 1	0.25	16	1.25	0.248	0.049	0.98	< 2	1	92	0.02	< 1	< 2	< 10	17	< 10	3	8		
1228012211 Orig																						0.22	1.81
1228012211 Dup																						0.22	1.85
2136015193 Orig	255	2.56	< 10	< 1	0.29	22	0.74	0.213	0.047	0.31	< 2	2	146	0.08	4	< 2	< 10	26	90	5	11		
2136015193 Dup	247	2.63	< 10	1	0.30	21	0.76	0.218	0.049	0.32	3	2	145	0.08	2	< 2	< 10	27	73	5	9		
1115501279 Orig																							
2136016002 Orig																						0.36	0.13
2136016002 Dup																						0.37	0.13
Method Blank																							

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
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	0.014	< 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	0.015	< 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	0.014	< 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	0.013	< 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	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-13635**
Report Date:	**02-Dec-19**
Date Submitted:	**07-Oct-19**
Your Reference:	**2019 Q3 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

152 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-11-25 11:24:30
4F-C, S	Infrared	2019-11-12 23:25:49

REPORT **A19-13635**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A19-13635**
Report Date: **02-Dec-19**
Date Submitted: **07-Oct-19**
Your Reference: **2019 Q3 Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

152 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)	2019-10-23 19:30:01
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-11-01 12:30:39

REPORT **A19-13635**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2136015187	5.63	23.6	18.0	5.51	4.28	8.61	12	0.2	0.5	13	501	1	34	10	176	4.78	< 2	< 10	110	< 0.5	< 2	2.15	12
1115501113	49.2	35.6	-13.5	56.0	0.636	8.66	1410	1.8	7.7	76	1120	< 1	13	63	2010	1.86	62	< 10	25	< 0.5	< 2	1.71	7
1229024056	46.6	20.4	-26.1	53.6	0.381	8.55	183	0.8	5.8	106	1180	1	27	14	1620	3.29	26	< 10	24	< 0.5	< 2	1.70	13
1229024127	44.6	13.7	-30.9	48.1	0.285	8.72	102	0.4	< 0.5	73	642	2	17	5	79	1.71	11	< 10	21	< 0.5	< 2	1.22	7
1115501040	29.6	24.9	-4.68	33.7	0.739	8.71	222	0.6	1.5	36	915	< 1	13	36	394	2.38	39	< 10	39	< 0.5	< 2	1.47	34
2136016178	1.88	8.45	6.58	1.84	4.60	9.15	< 5	< 0.2	< 0.5	13	303	1	17	2	25	3.79	3	< 10	84	< 0.5	< 2	1.82	8
2136016028	0.510	19.9	19.4	7.66	2.60	9.33	< 5	0.2	< 0.5	19	355	< 1	23	10	64	3.69	5	< 10	114	0.5	< 2	2.53	10
v845086							1570	9.4	< 0.5	52	350	21	14	7	56	1.59	< 2	< 10	75	< 0.5	< 2	1.17	14
1228005209	47.1	94.4	47.3	52.7	1.79	8.70	113	0.8	< 0.5	23	1200	< 1	11	18	174	1.04	39	< 10	34	< 0.5	< 2	3.83	6
1228005192	50.5	88.7	38.2	55.7	1.59	8.61	152	0.7	0.6	17	1200	< 1	13	16	207	1.16	58	< 10	31	< 0.5	< 2	3.75	7
1228005171	46.9	82.6	35.7	53.3	1.55	8.59	37	0.8	< 0.5	18	1400	< 1	14	14	127	1.00	70	< 10	34	< 0.5	< 2	3.25	8
1228005110	49.2	79.6	30.5	55.1	1.44	8.63	78	1.6	1.0	28	1230	< 1	12	54	326	1.19	66	< 10	29	< 0.5	< 2	2.95	7
1228005137	67.1	56.5	-10.6	72.9	0.775	8.39	77	0.8	< 0.5	26	940	1	15	12	106	1.10	46	< 10	24	< 0.5	< 2	2.34	9
1228005154	47.4	40.7	-6.71	52.1	0.781	8.38	144	0.6	< 0.5	32	927	2	16	17	183	2.70	24	< 10	29	< 0.5	< 2	2.48	7
1228005227	10.3	11.5	1.14	10.1	1.13	8.26	20	0.2	< 0.5	9	225	1	22	3	37	1.40	7	< 10	23	< 0.5	< 2	0.61	8
1115501273	47.1	41.3	-5.81	51.8	0.797	8.45	1120	1.1	3.5	57	1080	< 1	13	37	984	1.08	112	< 10	23	< 0.5	< 2	1.71	6
1228005039	4.38	0.839	-3.54	4.29	0.196	7.68	9	< 0.2	< 0.5	13	128	1	16	5	38	0.99	4	< 10	27	< 0.5	< 2	0.12	6
1228005031	68.7	33.5	-35.2	78.1	0.429	8.34	324	5.8	14.3	101	553	< 1	10	71	3480	0.99	75	< 10	18	< 0.5	< 2	1.41	6
1228005064	34.7	6.39	-28.3	34.0	0.188	8.50	81	0.4	< 0.5	42	281	< 1	42	9	165	1.88	29	< 10	37	< 0.5	< 2	0.37	16
1228005068	0.722	1.68	0.963	5.21	0.324	7.30	6	< 0.2	< 0.5	11	181	1	17	3	35	1.00	6	< 10	14	< 0.5	< 2	0.11	7
1228005005	53.2	3.06	-50.2	56.7	0.0540	8.42	310	3.2	2.0	46	374	< 1	13	237	613	1.21	75	< 10	21	< 0.5	< 2	0.26	10
1228005022	56.8	16.3	-40.5	62.5	0.260	7.65	212	1.0	1.8	28	1130	< 1	16	52	494	1.00	55	< 10	19	< 0.5	< 2	0.75	8
1228005082	87.8	31.7	-56.1	94.9	0.334	8.42	319	4.1	3.8	196	495	1	15	18	870	0.73	94	< 10	17	< 0.5	3	1.40	8
1228005104	87.7	47.7	-40.0	96.5	0.495	8.40	277	3.9	2.0	78	907	1	15	273	609	1.47	78	< 10	12	< 0.5	< 2	2.13	8
1230048009	40.1	4.59	-35.5	43.2	0.106	8.67	63	0.6	< 0.5	30	334	1	14	< 2	102	3.06	11	< 10	32	< 0.5	< 2	0.57	6
v845087							768	2.9	< 0.5	32	269	16	9	16	45	1.27	< 2	< 10	55	< 0.5	< 2	2.00	8
1230039244	22.5	10.1	-12.4	26.3	0.384	8.48	277	0.6	< 0.5	232	337	2	12	< 2	57	3.10	5	< 10	38	< 0.5	< 2	1.27	5
1230039036	55.9	8.30	-47.6	62.2	0.133	8.39	800	3.0	< 0.5	690	622	1	24	< 2	198	1.89	15	< 10	15	< 0.5	< 2	0.51	14
1231030039	25.5	19.7	-5.79	28.2	0.700	8.68	906	1.0	< 0.5	21	385	1	14	3	168	2.33	19	< 10	33	< 0.5	< 2	0.88	6
1230039191	47.0	9.59	-37.4	51.1	0.188	8.50	161	0.9	0.9	131	552	1	18	< 2	330	2.30	15	< 10	33	< 0.5	2	0.86	9
1230039206	46.0	4.75	-41.3	49.3	0.0963	8.39	194	1.5	1.8	368	389	< 1	12	3	365	1.83	21	< 10	26	< 0.5	8	0.26	8
1230041277	31.6	11.5	-20.0	30.9	0.373	8.64	393	0.6	< 0.5	165	315	2	11	8	60	1.91	12	10	36	< 0.5	< 2	0.90	8
1230039091	25.3	12.4	-12.9	24.8	0.501	8.89	80	0.3	< 0.5	44	264	1	13	3	126	2.46	8	< 10	36	< 0.5	< 2	1.11	7
1230041182	41.8	12.1	-29.7	45.3	0.266	8.21	322	0.4	0.9	79	351	5	13	25	91	2.11	20	11	25	< 0.5	3	0.72	7
1231030299	48.0	9.49	-38.5	51.1	0.186	8.24	263	0.6	< 0.5	361	460	< 1	13	3	61	2.43	21	< 10	27	< 0.5	3	1.04	10
1230039006	56.5	5.35	-51.1	60.3	0.0886	8.37	2020	2.4	< 0.5	419	516	< 1	15	2	139	1.83	24	< 10	22	< 0.5	7	0.26	7
1230039205	59.1	3.85	-55.2	62.5	0.0616	8.14	98	0.9	< 0.5	78	353	< 1	11	< 2	118	1.81	21	< 10	14	< 0.5	6	0.23	7
1230039147	32.8	15.6	-17.2	32.2	0.486	8.80	59	< 0.2	< 0.5	44	361	2	13	< 2	95	2.19	11	< 10	43	< 0.5	< 2	0.98	8
1230039034	37.6	5.04	-32.6	41.0	0.123	8.63	214	1.8	< 0.5	493	578	1	14	< 2	196	1.95	9	< 10	35	< 0.5	3	0.30	8
1115501225	62.0	24.2	-37.8	68.6	0.353	8.26	979	2.6	8.2	104	978	< 1	16	33	2130	1.08	98	< 10	23	< 0.5	< 2	1.73	7
1228005242	41.2	16.0	-25.2	45.0	0.356	8.25	220	0.7	0.9	56	568	1	16	10	1090	2.80	15	10	32	< 0.5	< 2	1.65	8
1228005259	42.9	87.7	44.8	48.4	1.81	8.88	58	0.6	< 0.5	18	1410	< 1	11	15	184	0.93	50	< 10	40	< 0.5	< 2	3.05	7
v845088							258	2.8	< 0.5	62	453	< 1	19	8	69	1.72	< 2	< 10	88	< 0.5	< 2	1.58	16
1230041173	8.13	2.86	-5.26	7.96	0.360	8.91	198	0.3	< 0.5	123	296	2	12	10	52	2.60	5	< 10	30	< 0.5	2	0.78	6
1115501294	51.0	-12.4	-63.4	57.6	-0.215	8.40	516	1.4	4.5	66	592	< 1	16	19	1280	1.43	89	< 10	22	< 0.5	< 2	0.73	8
1115501142	50.6	14.1	-36.5	57.0	0.248	8.40	356	1.4	8.0	51	635	1	12	49	2330	1.32	70	< 10	30	< 0.5	< 2	0.68	6
1230041241	15.6	17.4	1.74	15.3	1.13	8.85	256	0.2	< 0.5	87	429	8	17	3	111	3.28	12	< 10	36	< 0.5	< 2	1.69	6
1230041019	15.9	12.6	-3.31	15.6	0.808	8.72	81	< 0.2	< 0.5	34	447	2	16	3	56	3.09	8	11	29	< 0.5	< 2	1.04	3
1230041131	29.9	25.1	-4.78	33.7	0.745	8.67	282	0.9	< 0.5	123	399	4	15	4	72	2.30	16	< 10	35	< 0.5	2	1.23	6

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230041286	14.7	12.3	-2.36	17.5	0.706	8.82	137	0.3	< 0.5	178	419	7	19	< 2	84	2.55	9	11	45	< 0.5	< 2	0.97	8
1115501357	78.0	3.87	-74.1	86.1	0.0449	7.85	783	2.3	9.7	129	351	3	15	84	2760	1.03	174	< 10	20	< 0.5	< 2	0.26	7
1115501528	31.3	18.1	-13.3	37.1	0.487	8.56	398	2.2	6.3	65	829	1	16	43	1510	2.58	25	< 10	35	< 0.5	< 2	1.43	7
1230041155	72.8	3.98	-68.8	77.8	0.0511	8.02	3200	2.3	< 0.5	1150	284	3	8	3	78	1.32	15	< 10	23	< 0.5	5	0.39	5
1115501486	58.8	9.97	-48.9	66.2	0.151	8.41	1330	1.6	9.0	186	933	< 1	16	31	2290	1.93	72	< 10	27	< 0.5	< 2	0.58	6
1115501381	62.1	-1.12	-63.2	66.2	-0.0169	7.65	2170	3.4	4.2	36	86	1	14	29	1060	0.62	246	< 10	24	< 0.5	4	0.14	7
1230041140	64.7	8.35	-56.3	68.6	0.122	8.38	673	0.4	< 0.5	234	239	< 1	8	< 2	22	2.22	10	< 10	29	< 0.5	5	0.98	4
1230041080	50.2	13.9	-36.3	54.8	0.254	8.38	665	0.7	< 0.5	384	328	3	11	6	53	1.89	16	< 10	33	< 0.5	3	0.72	5
v845089							1150	3.8	< 0.5	24	147	8	6	< 2	27	0.70	< 2	< 10	22	< 0.5	4	0.63	5
1115501060	46.2	38.8	-7.43	52.1	0.745	8.77	573	1.2	5.9	74	967	< 1	14	87	1630	1.75	52	< 10	38	< 0.5	< 2	1.69	7
1115501065	43.4	23.2	-20.3	49.6	0.467	8.53	1280	1.2	5.7	75	902	2	18	65	1700	2.08	53	< 10	37	< 0.5	< 2	1.06	7
1115501416	75.8	8.47	-67.4	83.9	0.101	8.36	909	5.7	9.3	99	903	1	15	50	2640	1.80	84	< 10	30	< 0.5	2	0.42	6
1230048147	29.7	11.8	-17.9	29.1	0.407	8.84	53	0.4	< 0.5	112	297	1	24	< 2	75	2.03	11	< 10	45	< 0.5	< 2	0.62	6
1230048023	53.0	12.2	-40.8	57.3	0.213	8.41	112	0.4	1.5	105	378	2	17	< 2	509	2.73	10	< 10	30	< 0.5	< 2	1.26	8
1231096213	18.0	15.6	-2.40	21.4	0.728	8.70	36	< 0.2	< 0.5	30	517	1	32	7	129	3.06	8	< 10	61	< 0.5	< 2	2.01	12
1115501183	32.6	24.9	-7.68	38.6	0.646	8.61	271	0.9	6.2	39	950	< 1	17	55	1730	1.99	28	< 10	47	< 0.5	< 2	1.07	7
1230048088	76.2	24.5	-51.7	82.7	0.296	8.38	14	0.7	< 0.5	85	350	4	15	< 2	143	2.24	13	< 10	29	< 0.5	< 2	1.47	7
1115501324	79.2	45.7	-33.5	85.8	0.532	8.59	1080	1.2	3.9	32	832	< 1	18	96	1090	1.17	68	< 10	26	< 0.5	< 2	1.80	8
1115501451	56.3	50.3	-6.09	63.7	0.789	8.74	911	1.9	8.1	77	1510	2	17	65	1980	1.79	61	< 10	28	< 0.5	< 2	1.97	7
1230048048	56.4	11.0	-45.5	60.9	0.180	8.52	989	1.6	< 0.5	193	1150	3	21	27	242	2.21	52	< 10	32	< 0.5	< 2	0.57	6
1230048178	41.3	11.5	-29.9	44.7	0.256	8.60	69	0.6	< 0.5	61	530	< 1	16	< 2	164	2.61	12	< 10	38	< 0.5	< 2	0.73	6
1230048104	38.2	13.2	-25.0	41.3	0.320	8.59	75	0.6	< 0.5	115	431	2	19	< 2	113	2.21	9	< 10	40	< 0.5	< 2	0.88	5
1230048189	37.9	10.6	-27.3	41.3	0.256	8.78	102	0.5	< 0.5	61	383	< 1	16	< 2	138	2.56	12	< 10	37	< 0.5	< 2	0.65	7
1230048219	50.4	28.0	-22.4	57.0	0.492	8.73	131	0.8	0.5	44	563	< 1	11	2	256	2.33	28	< 10	29	< 0.5	< 2	1.18	5
1230048246	40.3	4.36	-35.9	44.1	0.0988	8.66	119	0.6	< 0.5	39	395	< 1	14	3	149	2.22	25	< 10	36	< 0.5	< 2	0.20	7
1115501010	69.5	20.2	-49.3	75.3	0.268	8.46	2230	2.0	1.6	86	1000	< 1	15	69	449	2.49	61	< 10	32	< 0.5	4	1.00	8
1115501323	59.4	57.3	-2.07	64.3	0.891	8.50	886	0.8	2.6	47	1040	< 1	21	77	723	1.36	61	< 10	28	< 0.5	< 2	2.30	8
1228013003	80.2	11.9	-68.3	86.7	0.138	8.33	55	0.6	< 0.5	25	483	1	18	3	144	1.86	8	< 10	29	< 0.5	< 2	0.79	9
1230048225	43.1	24.6	-18.5	46.5	0.529	8.70	53	0.3	1.6	34	559	< 1	9	< 2	556	1.81	26	< 10	24	< 0.5	< 2	1.05	5
v845090							1620	10.4	< 0.5	50	340	23	13	6	55	1.57	2	< 10	71	< 0.5	< 2	1.18	14
2136013066	3.44	6.61	3.18	3.37	1.96	9.35	< 5	< 0.2	< 0.5	34	356	1	31	< 2	41	3.19	2	< 10	143	< 0.5	< 2	1.25	11
1231097400	17.2	16.6	-0.611	16.8	0.984	8.98	47	2.8	< 0.5	34	702	< 1	15	26	159	3.65	21	< 10	54	< 0.5	< 2	2.31	6
1331028235	23.1	14.7	-8.40	26.3	0.559	8.50	387	0.6	< 0.5	90	554	< 1	21	< 2	101	2.91	7	10	53	< 0.5	< 2	1.14	11
1231097186	29.6	33.8	4.25	34.0	0.995	8.68	55	3.1	3.2	85	723	< 1	20	25	899	2.56	23	< 10	40	< 0.5	4	2.17	8
1239098029	19.9	20.3	0.449	23.6	0.862	9.10	72	0.6	< 0.5	23	738	< 1	17	15	86	3.57	22	< 10	66	0.6	< 2	2.59	8
2136013068	6.56	14.3	7.78	6.43	2.23	9.33	5	0.2	< 0.5	20	369	1	19	3	58	3.24	< 2	< 10	92	< 0.5	< 2	1.82	10
2136013002	10.3	18.7	8.35	10.1	1.85	9.00	5	< 0.2	< 0.5	19	336	1	26	3	60	1.70	3	< 10	47	< 0.5	< 2	1.10	9
1231028121	37.7	22.2	-15.5	41.0	0.540	8.49	97	0.5	< 0.5	31	600	< 1	12	6	201	1.81	15	< 10	45	< 0.5	< 2	1.12	7
1231029197	38.3	9.59	-28.7	41.3	0.232	8.51	82	0.5	< 0.5	37	401	< 1	14	< 2	131	3.57	11	< 10	32	< 0.5	< 2	1.28	6
1231028286	104	12.1	-92.4	111	0.108	8.12	114	1.1	< 0.5	174	352	< 1	12	< 2	94	1.36	13	< 10	15	< 0.5	2	0.62	6
1228009134	102	5.98	-95.6	108	0.0553	7.74	155	0.3	< 0.5	25	365	< 1	14	3	52	2.25	13	< 10	21	< 0.5	3	0.92	6
1231029350	24.4	81.1	56.7	28.8	2.82	8.72	100	< 0.2	< 0.5	37	503	1	178	3	94	2.90	10	< 10	50	0.5	< 2	3.41	22
1231029245	65.4	17.8	-47.6	70.1	0.254	8.31	19	0.3	0.5	67	414	4	13	< 2	186	2.15	8	< 10	29	< 0.5	< 2	1.30	7
1231097373	9.69	12.3	2.66	9.49	1.30	9.12	8	0.3	< 0.5	24	448	1	14	9	88	3.43	4	< 10	44	< 0.5	< 2	1.84	6
1231028041	29.1	-6.35	-35.4	28.5	-0.223	8.55	83	0.3	< 0.5	25	651	< 1	10	11	200	1.70	14	< 10	44	< 0.5	< 2	0.39	7
1231028217	25.6	3.12	-22.5	25.1	0.124	8.83	30	< 0.2	< 0.5	13	676	< 1	12	3	134	1.40	14	< 10	58	< 0.5	< 2	0.22	9
1231028201	10.3	2.99	-7.32	13.2	0.227	8.83	32	< 0.2	< 0.5	12	730	< 1	11	4	161	1.36	10	< 10	52	< 0.5	< 2	0.27	7
1231028100	41.9	8.49	-33.4	44.7	0.190	8.51	136	0.5	< 0.5	28	336	< 1	14	3	187	1.38	19	< 10	34	< 0.5	< 2	0.35	8
2136013028	7.81	27.0	19.2	7.66	3.52	9.48	6	0.2	< 0.5	53	443	2	19	< 2	71	3.01	< 2	< 10	84	< 0.5	< 2	2.26	9

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
v845091							654	2.0	< 0.5	22	227	9	7	24	47	1.24	< 2	< 10	44	< 0.5	< 2	0.82	6
1228009015	46.7	17.2	-29.4	51.1	0.337	8.84	278	0.3	0.6	100	400	3	14	12	126	1.77	5	< 10	34	0.5	2	1.76	10
1228009078	56.8	36.5	-20.2	61.9	0.590	8.68	64	0.5	< 0.5	114	503	4	13	2	225	1.77	12	< 10	32	< 0.5	< 2	1.91	8
1228009230	53.9	16.0	-38.0	59.1	0.270	8.41	104	0.6	1.0	103	587	4	12	5	239	2.28	10	< 10	35	< 0.5	< 2	1.79	8
1231098027	30.9	13.0	-18.0	34.0	0.381	8.76	74	0.3	< 0.5	27	703	1	27	18	130	4.22	15	< 10	54	0.5	< 2	2.63	11
1231098095	37.8	7.48	-30.3	41.3	0.181	8.65	65	0.6	< 0.5	29	658	1	19	40	172	3.86	24	< 10	47	< 0.5	< 2	2.42	9
1228009108	80.0	3.74	-76.2	86.1	0.0435	8.36	186	0.6	1.5	126	462	5	12	4	511	2.02	14	< 10	15	< 0.5	3	0.52	8
1228009094	13.8	8.72	-5.03	13.5	0.647	8.88	58	0.2	< 0.5	130	535	< 1	46	< 2	126	5.13	< 2	< 10	21	< 0.5	< 2	3.40	22
1228009258	70.8	15.6	-55.2	78.7	0.198	8.32	378	1.4	2.3	250	457	4	15	4	706	2.02	11	< 10	23	< 0.5	4	1.14	8
1231029155	35.0	12.5	-22.5	38.3	0.325	8.85	96	0.6	2.1	70	593	< 1	16	< 2	707	3.56	16	< 10	43	< 0.5	2	1.75	6
1231029193	45.1	12.0	-33.1	48.7	0.246	8.80	112	0.8	1.7	103	544	< 1	16	< 2	646	3.09	14	< 10	36	< 0.5	4	1.22	8
1228009038	71.1	13.5	-57.7	76.9	0.175	8.39	69	0.4	< 0.5	65	272	3	14	3	38	2.18	10	< 10	27	< 0.5	3	1.17	8
1228009053	116	7.22	-109	123	0.0589	7.99	569	0.3	< 0.5	26	445	1	17	3	54	2.86	30	< 10	12	< 0.5	6	1.28	6
1228009175	77.6	21.5	-56.1	85.4	0.251	8.23	194	1.0	< 0.5	182	435	5	15	5	145	1.88	14	< 10	22	< 0.5	3	1.31	8
1231098069	16.2	41.5	25.3	19.6	2.12	9.05	36	< 0.2	< 0.5	17	622	< 1	12	13	122	1.70	12	< 10	89	< 0.5	< 2	2.06	7
1228009122	71.9	10.1	-61.8	77.5	0.130	8.10	153	0.4	< 0.5	46	475	< 1	15	5	81	2.90	26	< 10	27	< 0.5	3	1.42	7
1228009192	71.2	11.3	-59.9	76.3	0.149	8.14	47	< 0.2	< 0.5	12	409	< 1	15	4	45	2.96	8	< 10	24	< 0.5	< 2	1.51	6
1231029127	39.2	15.8	-23.3	44.1	0.359	8.75	138	0.7	3.1	97	677	< 1	17	< 2	1040	3.87	17	< 10	33	< 0.5	< 2	1.91	9
v845092							1160	3.7	< 0.5	22	147	7	6	< 2	26	0.70	< 2	< 10	23	< 0.5	< 2	0.65	5
1231097358	36.2	13.2	-23.0	40.1	0.329	8.35	72	0.7	< 0.5	21	577	< 1	22	14	82	2.44	26	< 10	42	< 0.5	< 2	1.45	11
1231097284	38.1	10.6	-27.5	41.0	0.259	8.43	34	0.3	< 0.5	16	446	< 1	11	14	88	3.75	23	< 10	39	< 0.5	< 2	2.13	6
1231097196	31.1	19.5	-11.7	35.2	0.553	8.70	54	1.2	< 0.5	19	461	1	14	11	75	2.13	16	< 10	39	< 0.5	< 2	1.49	6
1231097468	49.3	18.6	-30.7	55.4	0.335	8.61	69	0.7	< 0.5	69	779	1	15	8	84	1.05	40	< 10	27	< 0.5	< 2	0.89	10
1231028189	39.7	5.87	-33.8	45.9	0.128	8.25	225	0.6	< 0.5	111	608	4	18	< 2	288	2.51	10	< 10	32	< 0.5	< 2	0.47	9
1231097432	14.7	12.6	-2.12	14.4	0.873	8.76	18	< 0.2	< 0.5	32	463	< 1	18	6	81	2.66	6	< 10	48	< 0.5	< 2	1.59	8
1231097421	17.0	13.7	-3.26	21.1	0.649	8.86	12	0.6	< 0.5	70	763	1	16	7	151	2.13	11	< 10	41	< 0.5	< 2	1.15	8
1231097394	32.6	44.3	11.7	37.4	1.19	8.79	36	0.6	< 0.5	47	739	3	18	8	92	1.40	44	< 10	35	< 0.5	< 2	1.99	9
1231097082	11.8	17.1	5.35	14.7	1.16	9.03	14	0.2	< 0.5	14	388	< 1	11	8	92	2.49	4	< 10	48	< 0.5	< 2	1.63	6
1231097012	8.44	18.4	10.00	8.27	2.23	9.09	47	0.8	< 0.5	10	427	< 1	11	21	241	2.36	4	< 10	47	< 0.5	< 2	1.41	8
1231028140	41.2	32.0	-9.22	48.4	0.662	8.22	266	2.6	< 0.5	75	596	1	14	4	196	2.12	36	< 10	22	< 0.5	< 2	1.49	6
1231097496	52.0	17.9	-34.1	55.7	0.321	8.60	165	1.0	< 0.5	164	309	< 1	17	3	206	1.84	10	< 10	33	< 0.5	10	1.23	5
1228011238	64.3	13.6	-50.7	68.9	0.197	8.31	84	0.7	1.0	30	495	1	12	5	321	2.22	9	< 10	23	< 0.5	< 2	1.09	8
1228011215	57.8	53.6	-4.21	64.3	0.833	8.50	113	0.5	6.2	90	703	1	24	< 2	1670	2.23	9	< 10	32	< 0.5	< 2	2.75	12
1228009209	59.5	12.6	-46.9	64.0	0.197	8.30	78	0.3	< 0.5	42	454	< 1	10	< 2	117	2.92	12	< 10	25	< 0.5	< 2	1.36	6
1228009149	69.6	12.5	-57.1	75.6	0.165	8.23	152	0.6	< 0.5	97	444	2	18	6	156	2.04	15	11	22	< 0.5	3	0.97	8
1231097531	27.2	15.7	-11.5	26.6	0.589	8.55	36	0.3	< 0.5	21	415	1	18	11	72	2.56	16	< 10	36	< 0.5	< 2	1.49	7
1231097480	15.3	17.6	2.24	15.0	1.17	8.72	11	0.3	< 0.5	26	684	1	16	11	79	2.69	17	< 10	42	< 0.5	< 2	1.78	7
1231026136	56.9	6.10	-50.8	62.8	0.0972	8.02	145	0.9	6.9	49	629	< 1	12	8	1780	2.02	34	< 10	22	< 0.5	2	0.29	7
v845093							1130	3.9	< 0.5	22	150	7	7	< 2	26	0.70	< 2	< 10	22	< 0.5	< 2	0.65	5
1231097033	53.6	5.87	-47.8	57.6	0.102	8.31	85	1.4	1.5	35	973	2	20	23	520	1.54	99	< 10	22	< 0.5	< 2	0.43	12
1228011171	62.7	10.2	-52.5	67.1	0.153	8.30	303	1.2	< 0.5	184	412	4	11	4	79	3.11	8	< 10	23	< 0.5	3	1.46	7
1228011019	56.2	16.6	-39.7	60.3	0.275	8.36	143	0.5	< 0.5	105	505	5	13	7	114	2.91	11	< 10	27	< 0.5	< 2	1.89	8
1231026466	50.6	14.5	-36.2	54.2	0.267	8.43	39	0.7	< 0.5	124	295	3	12	< 2	69	2.95	7	< 10	26	< 0.5	< 2	1.30	6
1228011256	57.0	8.34	-48.6	60.9	0.137	8.22	728	1.1	< 0.5	320	541	4	13	4	58	3.13	11	< 10	28	< 0.5	3	1.36	7
1231097132	59.5	36.9	-22.5	65.5	0.563	8.36	87	3.5	0.5	35	1330	1	18	36	172	1.74	48	< 10	25	< 0.5	< 2	2.03	9
1231097067	53.2	26.8	-26.4	61.3	0.438	8.45	211	4.4	0.6	45	1370	< 1	21	46	252	1.50	77	< 10	28	< 0.5	< 2	1.21	10
1231097162	48.1	53.1	5.02	54.2	0.980	8.64	98	3.2	< 0.5	42	1410	1	15	40	140	1.47	54	< 10	28	< 0.5	< 2	2.21	8
1231097215	46.1	25.7	-20.5	50.8	0.505	8.52	59	0.8	< 0.5	29	1090	< 1	13	15	172	1.36	33	< 10	31	< 0.5	< 2	1.21	7
1231097007	18.6	28.3	9.68	21.7	1.30	8.93	29	0.3	< 0.5	15	599	< 1	14	21	181	2.63	16	< 10	47	< 0.5	< 2	2.04	7

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231097104	15.8	15.4	-0.382	19.0	0.813	8.92	26	0.5	< 0.5	25	488	1	13	9	111	3.00	10	< 10	44	< 0.5	< 2	1.82	7
1231097338	57.6	57.9	0.279	63.1	0.917	8.57	82	1.2	0.6	39	989	1	18	66	157	1.38	89	< 10	29	< 0.5	< 2	2.61	7
1231097266	5.94	11.3	5.39	5.82	1.95	9.12	6	< 0.2	< 0.5	25	567	< 1	15	19	144	3.83	5	< 10	43	< 0.5	< 2	2.06	5
1231028035	10.6	24.5	13.9	10.4	2.35	8.36	21	0.3	< 0.5	108	764	< 1	48	< 2	75	5.06	5	< 10	22	< 0.5	< 2	3.60	24
v845094							769	2.8	< 0.5	32	268	16	12	17	45	1.32	< 2	< 10	53	< 0.5	< 2	2.04	9

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
2136015187	275	3.11	10	< 1	0.08	18	1.82	0.119	0.050	0.18	< 2	4	193	0.01	6	< 2	< 10	45	< 10	3	2	0.29	0.18
1115501113	232	2.61	< 10	< 1	0.42	16	1.29	0.036	0.038	1.89	3	< 1	52	0.02	< 1	< 2	< 10	9	< 10	2	20	0.42	1.83
1229024056	369	4.12	< 10	< 1	0.36	14	2.02	0.144	0.050	1.75	4	3	60	0.10	2	< 2	< 10	46	< 10	4	17	0.30	1.75
1229024127	362	2.49	< 10	< 1	0.29	14	1.02	0.098	0.045	1.60	< 2	2	31	0.06	1	< 2	< 10	24	< 10	3	18	0.22	1.57
1115501040	277	2.01	< 10	< 1	0.45	16	1.58	0.062	0.040	1.09	< 2	< 1	56	0.02	3	< 2	< 10	12	200	3	10	0.26	1.10
2136016178	315	2.40	< 10	< 1	0.31	18	0.79	0.403	0.047	0.07	< 2	2	274	0.05	2	< 2	< 10	28	< 10	3	7	0.13	0.06
2136016028	267	2.19	< 10	< 1	0.54	21	0.80	0.388	0.055	0.28	< 2	2	346	0.10	4	< 2	< 10	34	< 10	3	9	0.24	0.25
v845086	13	3.52	< 10	< 1	0.24	11	0.58	0.302	0.059	0.06	< 2	4	37	0.47	4	< 2	< 10	102	< 10	18	18	0.03	0.06
1228005209	162	1.93	< 10	< 1	0.23	15	0.59	0.047	0.041	1.75	3	< 1	49	< 0.01	< 1	< 2	< 10	5	< 10	3	7	1.16	1.72
1228005192	185	1.98	< 10	< 1	0.24	14	0.67	0.051	0.040	1.81	< 2	< 1	45	< 0.01	< 1	< 2	< 10	6	< 10	3	4	1.38	1.82
1228005171	182	2.22	< 10	< 1	0.27	13	1.04	0.055	0.046	1.85	< 2	< 1	45	< 0.01	< 1	< 2	< 10	5	< 10	2	7	1.25	1.74
1228005110	136	1.92	< 10	< 1	0.26	13	0.78	0.047	0.044	1.84	3	< 1	40	< 0.01	< 1	< 2	< 10	6	< 10	2	7	0.88	1.80
1228005137	182	2.65	< 10	< 1	0.22	11	0.91	0.041	0.046	2.40	< 2	< 1	33	< 0.01	< 1	< 2	< 10	6	< 10	2	10	0.76	2.38
1228005154	277	2.48	< 10	< 1	0.22	13	1.70	0.076	0.037	1.66	2	1	61	< 0.01	< 1	< 2	< 10	14	< 10	2	11	0.53	1.70
1228005227	266	1.04	< 10	< 1	0.09	< 10	0.45	0.039	0.044	0.32	< 2	1	41	< 0.01	< 1	< 2	< 10	11	< 10	< 1	3	0.19	0.33
1115501273	233	2.38	< 10	< 1	0.30	15	0.80	0.027	0.038	1.68	3	< 1	27	< 0.01	1	< 2	< 10	6	< 10	2	14	0.57	1.69
1228005039	403	0.79	< 10	< 1	0.03	< 10	0.08	0.022	0.036	0.15	3	< 1	10	< 0.01	2	< 2	< 10	7	< 10	< 1	7	< 0.01	0.14
1228005031	168	2.33	< 10	< 1	0.41	15	0.36	0.041	0.040	2.61	6	< 1	37	< 0.01	< 1	< 2	< 10	6	< 10	2	11	0.39	2.55
1228005064	376	2.55	< 10	< 1	0.31	16	1.05	0.049	0.075	1.10	2	6	33	< 0.01	4	< 2	< 10	39	< 10	3	5	0.07	1.11
1228005068	450	0.91	< 10	< 1	0.04	< 10	0.09	0.022	0.038	0.18	3	1	12	< 0.01	< 1	< 2	< 10	8	< 10	< 1	4	< 0.01	0.17
1228005005	192	1.87	< 10	< 1	0.38	15	0.44	0.051	0.047	1.87	< 2	< 1	28	< 0.01	2	< 2	< 10	7	< 10	2	15	< 0.01	1.85
1228005022	284	2.35	< 10	< 1	0.31	15	0.49	0.041	0.053	2.10	2	< 1	30	< 0.01	< 1	< 2	< 10	7	< 10	2	9	0.21	2.04
1228005082	298	2.97	< 10	< 1	0.30	14	0.29	0.032	0.043	3.07	10	< 1	26	< 0.01	< 1	< 2	< 10	6	< 10	2	11	0.55	3.10
1228005104	188	3.24	< 10	< 1	0.25	15	0.92	0.057	0.046	3.26	4	< 1	44	< 0.01	< 1	< 2	< 10	8	< 10	2	14	0.57	3.15
1230048009	260	2.76	< 10	< 1	0.27	< 10	2.35	0.113	0.035	1.41	< 2	< 1	40	< 0.01	5	< 2	< 10	12	< 10	1	12	0.08	1.41
v845087	12	3.05	< 10	< 1	0.25	16	0.47	0.200	0.047	0.04	< 2	3	48	0.31	3	< 2	< 10	62	< 10	20	19	0.40	0.04
1230039244	294	2.81	< 10	< 1	0.19	< 10	1.26	0.234	0.032	0.85	2	< 1	155	< 0.01	1	< 2	< 10	12	< 10	2	11	0.11	0.86
1230039036	338	3.82	< 10	< 1	0.35	13	1.47	0.073	0.052	1.97	3	3	37	0.07	1	< 2	< 10	45	< 10	6	14	0.10	2.03
1231030039	150	3.05	< 10	< 1	0.21	15	2.38	0.023	0.036	0.89	< 2	< 1	14	0.02	< 1	< 2	< 10	14	< 10	2	7	0.21	0.92
1230039191	234	2.94	< 10	< 1	0.30	13	1.43	0.161	0.039	1.57	< 2	1	56	0.03	1	< 2	< 10	16	< 10	2	15	0.10	1.67
1230039206	219	3.07	< 10	< 1	0.22	14	1.45	0.035	0.040	1.58	< 2	< 1	14	< 0.01	6	< 2	< 10	10	< 10	2	14	0.03	1.61
1230041277	233	2.04	< 10	< 1	0.27	15	0.87	0.144	0.038	0.91	3	< 1	65	< 0.01	< 1	< 2	< 10	11	< 10	2	7	0.15	1.01
1230039091	240	1.48	< 10	< 1	0.24	15	1.17	0.199	0.050	0.81	< 2	1	115	< 0.01	1	< 2	< 10	13	< 10	2	5	0.13	0.81
1230041182	249	3.62	< 10	< 1	0.29	< 10	1.18	0.041	0.041	1.50	3	1	26	0.02	< 1	< 2	< 10	14	< 10	1	9	0.16	1.48
1231030299	164	3.32	< 10	< 1	0.22	24	1.31	0.144	0.108	1.62	< 2	2	108	0.02	< 1	< 2	< 10	27	< 10	4	7	0.08	1.67
1230039006	247	3.39	< 10	< 1	0.26	12	1.32	0.059	0.040	1.97	< 2	< 1	23	< 0.01	3	< 2	< 10	11	< 10	2	16	0.11	1.97
1230039205	189	3.36	< 10	< 1	0.26	14	1.32	0.041	0.039	2.02	3	< 1	16	< 0.01	2	< 2	< 10	10	< 10	3	16	0.04	2.04
1230039147	203	2.35	< 10	< 1	0.33	12	1.44	0.073	0.040	1.03	3	1	53	0.02	2	< 2	< 10	14	< 10	2	17	0.18	1.05
1230039034	247	2.93	< 10	< 1	0.29	14	1.58	0.057	0.045	1.33	< 2	1	19	< 0.01	3	< 2	< 10	14	< 10	3	12	0.06	1.34
1115501225	248	2.69	< 10	< 1	0.27	16	0.78	0.025	0.041	2.29	4	< 1	20	< 0.01	2	< 2	< 10	6	< 10	3	19	0.50	2.24
1228005242	262	2.65	< 10	< 1	0.22	20	1.09	0.096	0.048	1.53	2	1	99	< 0.01	4	< 2	< 10	14	< 10	3	12	0.16	1.47
1228005259	130	1.94	< 10	< 1	0.28	12	0.95	0.045	0.043	1.59	< 2	< 1	39	< 0.01	< 1	< 2	< 10	5	< 10	2	7	1.20	1.58
v845088	13	3.90	< 10	< 1	0.45	30	0.85	0.223	0.095	0.08	< 2	6	51	0.46	5	< 2	< 10	124	< 10	25	12	0.09	0.08
1230041173	205	2.67	< 10	< 1	0.17	11	1.05	0.089	0.039	0.57	< 2	1	76	< 0.01	< 1	< 2	< 10	15	< 10	1	4	< 0.01	0.26
1115501294	274	2.67	< 10	< 1	0.39	18	0.72	0.035	0.040	1.88	4	< 1	26	0.02	< 1	< 2	< 10	8	< 10	3	21	0.12	1.88
1115501142	212	2.46	< 10	< 1	0.35	17	0.84	0.031	0.040	1.87	4	< 1	15	0.02	< 1	< 2	< 10	7	< 10	2	26	0.15	1.86
1230041241	241	1.77	< 10	< 1	0.22	11	1.40	0.188	0.038	0.49	3	2	137	< 0.01	< 1	< 2	< 10	24	< 10	2	8	0.24	0.50
1230041019	225	3.83	< 10	< 1	0.22	11	1.58	0.057	0.038	0.47	3	2	56	0.04	1	< 2	< 10	27	< 10	1	10	0.15	0.51
1230041131	248	3.56	< 10	< 1	0.30	11	1.44	0.057	0.044	1.04	< 2	1	36	0.01	< 1	< 2	< 10	21	< 10	2	8	0.28	1.10
1230041286	221	1.85	< 10	< 1	0.31	12	1.40	0.071	0.042	0.56	< 2	2	58	< 0.01	< 1	< 2	< 10	24	< 10	2	10	0.13	0.57
1115501357	263	3.07	< 10	< 1	0.30	13	0.53	0.030	0.039	2.77	5	< 1	10	< 0.01	2	< 2	< 10	6	< 10	2	21	0.06	2.81

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
1115501528	195	2.37	< 10	< 1	0.32	15	1.32	0.100	0.041	1.17	< 2	< 1	45	0.02	2	< 2	< 10	11	< 10	2	12	0.19	1.21
1230041155	214	3.88	< 10	< 1	0.29	13	0.68	0.026	0.034	2.56	3	< 1	13	< 0.01	< 1	< 2	< 10	7	< 10	2	8	0.10	2.54
1115501486	267	4.20	< 10	< 1	0.31	15	1.26	0.026	0.040	2.11	3	1	14	0.03	5	< 2	< 10	11	< 10	3	13	0.12	2.16
1115501381	222	2.05	< 10	< 1	0.30	10	0.11	0.031	0.031	2.11	5	< 1	8	< 0.01	2	< 2	< 10	4	< 10	2	21	0.02	2.16
1230041140	210	3.33	< 10	< 1	0.27	10	0.56	0.115	0.033	2.11	< 2	< 1	78	0.04	3	< 2	< 10	8	< 10	2	17	0.10	2.24
1230041080	227	3.68	< 10	< 1	0.31	12	1.08	0.034	0.036	1.66	3	1	21	< 0.01	2	< 2	< 10	14	< 10	1	8	0.18	1.79
v845089	9	1.52	< 10	< 1	0.09	< 10	0.13	0.189	0.032	0.02	< 2	1	23	0.31	4	< 2	< 10	40	< 10	9	21	0.05	0.03
1115501060	248	2.57	< 10	< 1	0.38	15	1.11	0.046	0.042	1.63	2	< 1	34	< 0.01	2	< 2	< 10	10	< 10	3	18	0.46	1.70
1115501065	344	2.96	< 10	< 1	0.31	14	1.25	0.058	0.040	1.56	3	1	36	< 0.01	2	< 2	< 10	11	< 10	2	20	0.28	1.62
1115501416	286	4.19	< 10	< 1	0.38	13	1.05	0.028	0.040	2.56	5	1	13	0.01	5	< 2	< 10	12	< 10	2	14	0.11	2.74
1230048147	419	2.56	< 10	< 1	0.22	12	1.57	0.077	0.043	0.95	< 2	1	34	< 0.01	< 1	< 2	< 10	14	< 10	2	14	0.17	0.95
1230048023	318	3.12	< 10	< 1	0.28	12	1.14	0.187	0.042	1.83	< 2	1	77	< 0.01	< 1	< 2	< 10	13	< 10	2	17	0.17	1.87
1231096213	443	2.98	< 10	< 1	0.29	20	1.26	0.213	0.057	0.65	< 2	3	96	0.10	< 1	< 2	< 10	44	< 10	5	11	0.30	0.70
1115501183	190	2.73	< 10	< 1	0.41	15	1.39	0.034	0.046	1.19	< 2	1	37	0.02	< 1	< 2	< 10	13	< 10	3	15	0.30	1.26
1230048088	277	3.17	< 10	< 1	0.34	14	1.25	0.130	0.040	2.61	3	1	47	< 0.01	3	< 2	< 10	11	< 10	3	21	0.28	2.70
1115501324	245	2.80	< 10	< 1	0.31	< 10	0.82	0.034	0.039	2.64	2	< 1	24	< 0.01	< 1	< 2	< 10	7	< 10	2	11	0.58	2.80
1115501451	251	3.11	< 10	< 1	0.42	14	1.18	0.036	0.041	1.94	2	< 1	30	< 0.01	1	< 2	< 10	10	< 10	2	15	0.62	2.08
1230048048	372	4.67	< 10	< 1	0.41	15	1.28	0.032	0.043	1.80	3	2	24	0.04	4	< 2	< 10	16	< 10	3	13	0.17	1.99
1230048178	352	2.78	< 10	< 1	0.21	11	2.14	0.114	0.035	1.44	< 2	< 1	33	< 0.01	2	< 2	< 10	11	< 10	2	17	0.14	1.46
1230048104	431	2.94	< 10	< 1	0.22	11	1.49	0.127	0.035	1.24	2	< 1	47	0.01	< 1	< 2	< 10	11	< 10	2	17	0.18	1.35
1230048189	330	2.47	< 10	< 1	0.23	15	2.18	0.113	0.039	1.33	3	< 1	32	< 0.01	2	< 2	< 10	13	< 10	2	17	0.18	1.35
1230048219	214	2.77	< 10	< 1	0.27	11	1.98	0.070	0.035	1.85	< 2	< 1	24	< 0.01	3	< 2	< 10	10	< 10	2	15	0.36	1.86
1230048246	172	2.54	< 10	< 1	0.27	12	2.04	0.046	0.047	1.36	2	< 1	16	< 0.01	< 1	< 2	< 10	10	< 10	1	8	0.05	1.44
1115501010	222	4.34	< 10	< 1	0.37	16	1.54	0.056	0.047	2.42	5	1	29	< 0.01	1	< 2	< 10	14	< 10	3	21	0.21	2.46
1115501323	369	2.80	< 10	< 1	0.31	< 10	1.10	0.033	0.041	2.10	3	< 1	31	< 0.01	< 1	< 2	< 10	8	< 10	3	9	0.72	2.10
1228013003	394	2.86	< 10	< 1	0.18	27	1.15	0.149	0.057	2.71	2	2	48	< 0.01	5	< 2	< 10	15	< 10	3	25	0.22	2.83
1230048225	104	2.29	< 10	< 1	0.17	11	1.78	0.043	0.034	1.48	< 2	< 1	16	< 0.01	1	< 2	< 10	7	< 10	2	13	0.40	1.52
v845090	12	3.40	< 10	< 1	0.23	10	0.56	0.303	0.059	0.05	< 2	4	37	0.46	6	< 2	< 10	99	< 10	17	21	0.02	0.07
2136013066	269	2.67	< 10	< 1	0.58	19	1.28	0.310	0.049	0.10	2	4	172	0.11	< 1	< 2	< 10	44	< 10	4	13	0.06	0.11
1231097400	203	2.09	< 10	< 1	0.25	11	0.95	0.275	0.032	0.57	< 2	1	119	0.04	1	< 2	< 10	15	< 10	2	12	0.18	0.55
1331028235	161	2.79	< 10	< 1	0.34	12	1.84	0.104	0.041	0.84	< 2	4	31	0.02	< 1	< 2	< 10	36	< 10	2	9	0.16	0.86
1231097186	208	2.26	< 10	< 1	0.33	15	1.46	0.086	0.040	1.04	< 2	2	43	0.03	< 1	< 2	< 10	21	< 10	3	10	0.44	1.11
1239098029	225	2.44	10	< 1	0.43	23	1.31	0.180	0.056	0.71	< 2	2	90	0.09	2	< 2	< 10	30	< 10	3	9	0.21	0.77
2136013068	251	2.37	< 10	< 1	0.44	19	1.12	0.326	0.045	0.20	3	3	139	0.10	< 1	< 2	< 10	32	< 10	4	12	0.18	0.21
2136013002	314	2.27	< 10	< 1	0.30	19	0.92	0.108	0.052	0.31	< 2	3	46	0.08	< 1	< 2	< 10	29	< 10	4	12	0.26	0.33
1231028121	167	2.29	< 10	< 1	0.23	17	1.24	0.114	0.044	1.28	< 2	< 1	40	< 0.01	< 1	< 2	< 10	10	< 10	2	14	0.28	1.34
1231029197	169	2.54	< 10	< 1	0.21	11	2.03	0.226	0.034	1.27	< 2	< 1	85	< 0.01	< 1	2	< 10	11	< 10	2	13	0.13	1.35
1231028286	180	4.17	< 10	< 1	0.26	< 10	0.87	0.066	0.034	3.50	< 2	1	25	0.02	3	< 2	< 10	13	< 10	2	13	0.16	3.64
1228009134	293	3.79	< 10	< 1	0.28	16	1.16	0.151	0.042	3.48	3	< 1	76	< 0.01	1	< 2	< 10	9	< 10	2	19	0.34	3.53
1231029350	454	3.84	< 10	1	0.18	39	3.57	0.053	0.199	0.91	2	6	49	0.01	< 1	< 2	< 10	47	< 10	6	2	0.91	0.94
1231029245	150	2.70	< 10	< 1	0.31	12	1.04	0.127	0.043	2.29	< 2	< 1	52	0.01	< 1	< 2	< 10	9	< 10	2	21	0.18	2.29
1231097373	239	1.97	< 10	< 1	0.22	11	0.79	0.312	0.035	0.29	< 2	1	141	0.03	< 1	< 2	< 10	15	< 10	2	10	0.15	0.31
1231028041	162	2.11	< 10	< 1	0.19	16	1.01	0.121	0.041	0.90	< 2	< 1	47	< 0.01	1	< 2	< 10	11	< 10	2	14	0.09	0.93
1231028217	134	2.27	< 10	< 1	0.21	19	0.87	0.069	0.058	0.80	< 2	1	19	< 0.01	< 1	< 2	< 10	13	< 10	2	9	0.04	0.82
1231028201	150	1.91	< 10	< 1	0.18	18	0.82	0.060	0.049	0.40	< 2	< 1	24	0.01	< 1	< 2	< 10	11	< 10	2	6	0.08	0.43
1231028100	201	2.30	< 10	< 1	0.21	17	0.82	0.065	0.047	1.42	< 2	1	26	0.02	< 1	< 2	< 10	17	< 10	3	11	0.05	1.46
2136013028	252	2.46	< 10	< 1	0.64	18	1.11	0.247	0.047	0.22	< 2	3	173	0.12	2	< 2	< 10	34	< 10	5	16	0.29	0.25
v845091	10	2.02	< 10	< 1	0.19	20	0.25	0.233	0.034	0.02	< 2	2	38	0.33	6	< 2	< 10	43	< 10	17	30	< 0.01	0.03
1228009015	220	2.46	< 10	< 1	0.32	12	0.76	0.080	0.039	1.70	< 2	2	41	0.10	< 1	5	< 10	19	< 10	3	16	0.23	1.67
1228009078	208	2.63	< 10	1	0.28	12	0.94	0.105	0.040	1.94	< 2	1	35	0.04	< 1	< 2	< 10	16	< 10	3	18	0.37	2.02
1228009230	274	2.45	< 10	< 1	0.25	13	0.84	0.241	0.038	1.88	< 2	1	114	0.06	1	< 2	< 10	16	< 10	2	16	0.23	1.93

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
1231098027	230	2.96	10	< 1	0.54	23	1.37	0.220	0.061	1.02	< 2	3	107	0.11	< 1	< 2	< 10	41	< 10	4	9	0.08	1.11
1231098095	248	2.66	10	< 1	0.41	22	1.27	0.216	0.057	1.25	< 2	2	91	0.06	3	< 2	< 10	27	< 10	3	11	0.15	1.35
1228009108	187	2.97	< 10	< 1	0.26	16	1.29	0.139	0.045	2.82	3	1	44	< 0.01	< 1	< 2	< 10	12	< 10	2	20	0.05	2.81
1228009094	166	4.48	< 10	< 1	0.08	< 10	1.94	0.631	0.023	0.36	< 2	6	70	0.19	< 1	< 2	< 10	119	< 10	4	5	0.10	0.44
1228009258	320	2.76	< 10	< 1	0.22	16	1.15	0.201	0.042	2.55	3	1	67	< 0.01	3	< 2	< 10	13	< 10	2	19	0.26	2.57
1231029155	237	2.37	< 10	< 1	0.27	11	1.22	0.302	0.037	1.20	2	< 1	103	< 0.01	3	< 2	< 10	12	< 10	2	12	0.11	1.25
1231029193	205	2.85	< 10	1	0.25	12	1.38	0.310	0.035	1.51	< 2	1	95	< 0.01	< 1	< 2	< 10	12	< 10	2	15	0.10	1.59
1228009038	250	2.79	< 10	< 1	0.24	14	1.05	0.250	0.040	2.52	< 2	< 1	124	0.02	3	< 2	< 10	12	< 10	2	18	0.17	2.51
1228009053	225	4.67	< 10	< 1	0.27	17	1.15	0.144	0.046	3.98	3	1	120	< 0.01	1	2	< 10	12	< 10	3	21	0.07	4.00
1228009175	259	3.09	< 10	< 1	0.27	15	1.12	0.123	0.042	2.71	< 2	1	40	0.02	< 1	< 2	< 10	13	< 10	2	19	0.32	2.79
1231098069	162	1.91	< 10	< 1	0.37	38	0.84	0.071	0.069	0.65	2	1	79	0.03	< 1	< 2	< 10	15	< 10	4	4	0.47	0.64
1228009122	300	3.13	< 10	< 1	0.30	16	1.22	0.207	0.044	2.49	< 2	1	123	0.03	2	< 2	< 10	11	< 10	3	21	0.18	2.53
1228009192	364	2.77	< 10	< 1	0.23	15	1.18	0.284	0.042	2.42	< 2	< 1	143	< 0.01	< 1	< 2	< 10	9	< 10	2	15	0.37	2.49
1231029127	241	2.74	< 10	< 1	0.28	12	1.31	0.328	0.035	1.38	< 2	1	105	< 0.01	7	< 2	< 10	14	< 10	2	11	0.14	1.44
v845092	9	1.48	< 10	< 1	0.09	< 10	0.13	0.188	0.031	0.01	< 2	1	23	0.30	5	< 2	< 10	40	< 10	9	19	0.05	0.02
1231097358	261	2.67	< 10	< 1	0.33	16	1.20	0.138	0.050	1.27	< 2	2	64	0.06	1	2	< 10	29	< 10	3	14	0.17	1.31
1231097284	191	2.19	< 10	< 1	0.22	17	0.82	0.333	0.045	1.29	< 2	< 1	161	< 0.01	3	< 2	< 10	12	< 10	2	11	0.12	1.34
1231097196	201	2.17	< 10	< 1	0.25	13	0.79	0.160	0.035	1.13	< 2	1	66	0.04	< 1	< 2	< 10	14	< 10	2	17	0.23	1.15
1231097468	189	2.16	< 10	< 1	0.30	14	0.64	0.057	0.044	1.78	2	< 1	14	< 0.01	1	< 2	< 10	12	< 10	3	8	0.23	1.81
1231028189	269	3.18	< 10	< 1	0.44	14	1.79	0.080	0.046	1.39	2	2	26	0.01	< 1	< 2	< 10	20	< 10	2	12	0.06	1.50
1231097432	209	2.14	< 10	< 1	0.25	15	0.85	0.194	0.045	0.43	< 2	2	93	0.07	< 1	< 2	< 10	31	< 10	3	9	0.14	0.47
1231097421	210	2.28	< 10	< 1	0.23	15	0.83	0.215	0.041	0.69	< 2	1	87	0.06	< 1	< 2	< 10	15	< 10	2	13	0.16	0.69
1231097394	240	2.39	< 10	< 1	0.27	16	1.04	0.078	0.045	1.26	< 2	2	20	0.03	< 1	< 2	< 10	23	< 10	3	10	0.53	1.22
1231097082	195	2.03	< 10	< 1	0.24	22	0.82	0.244	0.049	0.45	< 2	1	116	0.04	< 1	< 2	< 10	16	< 10	3	6	0.17	0.48
1231097012	180	2.00	< 10	< 1	0.26	21	0.82	0.183	0.047	0.24	< 2	1	82	0.05	1	2	< 10	16	< 10	3	6	0.19	0.27
1231028140	153	3.72	< 10	< 1	0.21	15	1.41	0.113	0.041	2.40	< 2	1	47	< 0.01	1	< 2	< 10	14	< 10	2	14	0.27	1.58
1231097496	215	3.08	< 10	< 1	0.26	14	0.95	0.119	0.042	1.78	< 2	2	48	0.04	< 1	< 2	< 10	26	< 10	3	18	0.23	1.82
1228011238	176	2.22	< 10	< 1	0.17	17	1.13	0.218	0.046	2.24	< 2	1	80	< 0.01	< 1	< 2	< 10	11	< 10	3	20	0.17	2.25
1228011215	132	3.12	< 10	< 1	0.17	20	1.46	0.172	0.053	1.98	< 2	2	55	0.06	< 1	< 2	< 10	38	< 10	4	16	0.64	2.10
1228009209	176	2.27	< 10	< 1	0.22	15	1.12	0.235	0.043	2.07	< 2	< 1	117	< 0.01	< 1	< 2	< 10	9	< 10	2	13	0.19	2.09
1228009149	318	3.06	< 10	< 1	0.23	11	1.26	0.137	0.037	2.40	2	1	46	0.02	1	< 2	< 10	15	< 10	2	22	0.22	2.47
1231097531	253	1.74	< 10	< 1	0.22	12	0.99	0.134	0.037	0.82	< 2	< 1	77	< 0.01	1	< 2	< 10	10	< 10	2	10	0.19	0.87
1231097480	269	1.91	< 10	< 1	0.21	< 10	0.74	0.287	0.034	0.46	< 2	1	136	0.05	< 1	< 2	< 10	17	< 10	2	5	0.29	0.49
1231026136	216	3.12	< 10	< 1	0.18	12	2.03	0.033	0.044	2.03	2	< 1	10	< 0.01	< 1	< 2	< 10	9	< 10	2	11	0.07	2.05
v845093	9	1.48	< 10	< 1	0.08	< 10	0.13	0.184	0.029	0.02	< 2	1	23	0.29	4	< 2	< 10	38	< 10	9	16	0.04	0.02
1231097033	110	2.34	< 10	< 1	0.33	23	1.04	0.068	0.063	1.84	< 2	1	16	0.01	2	< 2	< 10	15	< 10	3	8	0.09	1.88
1228011171	202	3.09	< 10	< 1	0.19	14	1.05	0.284	0.040	2.04	3	< 1	143	< 0.01	3	< 2	< 10	12	< 10	3	15	0.11	2.19
1228011019	176	2.94	< 10	< 1	0.21	13	0.94	0.213	0.040	1.87	< 2	< 1	123	0.02	6	< 2	< 10	12	< 10	3	14	0.20	1.97
1231026466	216	2.77	< 10	< 1	0.24	12	1.36	0.206	0.038	1.72	3	< 1	83	< 0.01	1	< 2	< 10	12	< 10	2	13	0.15	1.77
1228011256	226	3.31	< 10	< 1	0.20	13	0.97	0.363	0.040	1.98	< 2	< 1	130	< 0.01	2	< 2	< 10	13	< 10	3	14	0.11	1.99
1231097132	184	2.42	< 10	< 1	0.29	16	0.95	0.189	0.042	2.23	2	< 1	50	< 0.01	< 1	< 2	< 10	9	< 10	3	14	0.53	2.14
1231097067	148	2.54	< 10	< 1	0.30	21	1.25	0.067	0.056	2.00	3	1	24	< 0.01	< 1	< 2	< 10	14	< 10	3	16	0.35	2.00
1231097162	167	2.23	< 10	< 1	0.29	15	1.12	0.082	0.049	1.77	3	1	36	< 0.01	< 1	< 2	< 10	12	< 10	3	10	0.65	1.77
1231097215	161	2.11	< 10	< 1	0.31	15	1.06	0.083	0.051	1.57	< 2	1	17	0.02	< 1	< 2	< 10	18	< 10	3	16	0.29	1.66
1231097007	206	1.88	< 10	< 1	0.41	12	1.11	0.143	0.035	0.66	< 2	2	59	0.03	< 1	< 2	< 10	17	< 10	2	10	0.34	0.71
1231097104	203	2.00	< 10	< 1	0.28	15	0.77	0.220	0.039	0.61	< 2	1	107	0.04	< 1	< 2	< 10	13	< 10	2	5	0.20	0.62
1231097338	131	2.11	< 10	< 1	0.34	14	0.67	0.118	0.045	2.05	5	< 1	49	< 0.01	1	< 2	< 10	8	< 10	3	11	0.70	2.06
1231097266	357	1.88	< 10	< 1	0.20	10	0.72	0.333	0.033	0.18	< 2	1	157	0.04	< 1	< 2	< 10	13	< 10	2	4	0.15	0.19
1231028035	156	5.23	< 10	5	0.08	< 10	2.14	0.579	0.026	0.30	< 2	9	74	0.21	< 1	< 2	< 10	138	< 10	4	5	0.27	0.34
v845094	12	3.07	< 10	< 1	0.25	16	0.47	0.211	0.045	0.04	< 2	3	48	0.30	7	< 2	< 10	60	< 10	19	13	0.40	0.04

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas								0.3	0.5	74	1090	< 1	24	98	133	7.32	215	< 10	648	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.4	0.6	74	1080	1	23	96	131	7.29	238	< 10	656	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	73	1080	1	25	98	130	7.18	236	< 10	646	0.9	< 2	0.12	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	13.8
BaSO4 Meas																							
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SGR-1b Cert																							
SGR-1b Meas																							
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SGR-1b Meas																							
SGR-1b Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
NBM-1 (slight fzz) Meas		42.4				8.39																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		43.1				8.51																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz)		42.7				8.15																	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.6				8.79																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		43.2																					
NBM-1 (slight fzz) Cert		46.6																					
NBM-1 (slight fzz) Meas		42.0																					
NBM-1 (slight fzz) Cert		46.6																					
OREAS 922 (AQUA REGIA) Meas								1.8	< 0.5	2240	814	< 1	36	63	281	3.07	6		76	0.8	9	0.43	18
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	2260	793	< 1	35	60	264	2.99	6		78	0.8	8	0.42	18
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								1.5	0.5	4450	898	< 1	32	84	350	2.99	6		63	0.7	11	0.43	20
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								2.0	< 0.5	4290	874	< 1	32	79	339	2.93	8		63	0.7	12	0.42	19
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	0.7	4540	874	< 1	32	80	345	2.98	9		58	0.7	13	0.42	21
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								11.2		> 10000				86	448						29		46
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
OREAS 220 (Fire Assay) Meas							897																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							895																
OREAS 220 (Fire Assay) Cert							866																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 220 (Fire Assay) Meas							883																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							882																
OREAS 220 (Fire Assay) Cert							866																
Oreas 621 (Aqua Regia) Meas								63.6	260	3480	531	14	25	> 5000	> 10000	1.77	79			0.6	< 2	1.66	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								67.3	280	3730	542	14	28	> 5000	> 10000	1.88	79			0.6	< 2	1.71	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								65.6	278	3710	552	14	26	> 5000	> 10000	1.87	79			0.6	5	1.71	30
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
OREAS 238 (Fire Assay) Meas							3020																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3160																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3130																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3180																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3160																
OREAS 238 (Fire Assay) Cert							3030																
GS316-3 Meas																							
GS316-3 Cert																							
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GS316-3 Meas																							
GS316-3 Cert																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
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																							
2136016178 Orig																							
2136016178 Dup																							
v845086 Orig								9.6	< 0.5	52	351	21	15	7	57	1.59	< 2	< 10	73	< 0.5	< 2	1.17	14
v845086 Dup								9.3	< 0.5	53	349	21	13	7	55	1.58	< 2	< 10	76	< 0.5	< 2	1.17	14
1228005192 Orig	50.5	88.4	37.9	55.7	1.59		129																
1228005192 Dup	50.5	89.0	38.5	55.7	1.60		174																
1228005171 Orig						8.58																	
1228005171 Dup						8.59																	
1228005039 Orig																							
1228005039 Dup																							
1228005068 Orig							6																
1228005068 Dup							6																
1228005005 Orig								3.3	2.0	47	387	< 1	13	238	617	1.26	75	< 10	20	< 0.5	< 2	0.26	9
1228005005 Dup								3.2	2.0	46	361	< 1	13	236	609	1.16	74	< 10	23	< 0.5	< 2	0.26	10
1230039244 Orig																							
1230039244 Dup																							
1230039191 Orig							136																
1230039191 Dup							185																
1231030299 Orig								0.6	< 0.5	354	458	2	13	4	59	2.39	20	< 10	25	< 0.5	3	1.03	10
1231030299 Dup								0.6	< 0.5	369	463	< 1	13	2	63	2.47	21	10	30	< 0.5	3	1.05	10
1230039147 Orig																							
1230039147 Dup																							
1230041019 Orig																							
1230041019 Dup																							
v845089 Orig								3.7	< 0.5	25	148	8	6	< 2	27	0.71	< 2	< 10	22	< 0.5	3	0.64	5
v845089 Dup								3.9	< 0.5	22	145	7	6	< 2	27	0.69	< 2	< 10	21	< 0.5	4	0.63	5
1115501060 Orig	46.2	38.8	-7.44	52.1	0.745																		
1115501060 Dup	46.2	38.8	-7.43	52.1	0.745																		
1115501183 Orig							231																
1115501183 Dup							310																
1230048048 Orig																							
1230048048 Dup																							
1230048189 Orig								0.5	< 0.5	62	379	< 1	16	< 2	138	2.54	13	< 10	37	< 0.5	< 2	0.64	7
1230048189 Dup								0.5	< 0.5	61	387	< 1	15	< 2	138	2.57	12	< 10	37	< 0.5	< 2	0.65	6
2136013066 Orig							< 5																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2136013066 Dup							< 5																
2136013068 Orig						9.34		0.3	< 0.5	21	374	1	18	3	58	3.29	3	< 10	94	< 0.5	< 2	1.84	10
2136013068 Dup						9.31		0.2	< 0.5	20	365	2	20	3	57	3.20	< 2	< 10	91	< 0.5	< 2	1.79	10
1228009134 Orig							155																
1228009134 Dup							154																
v845091 Orig								2.1	< 0.5	22	227	9	7	25	47	1.24	< 2	< 10	45	< 0.5	< 2	0.82	6
v845091 Dup								2.0	< 0.5	22	227	8	8	22	47	1.23	2	< 10	44	< 0.5	< 2	0.81	6
1228009015 Orig							256																
1228009015 Dup							300																
1228009078 Orig																							
1228009078 Dup																							
1228009258 Orig	70.8	15.6	-55.2	78.7	0.198																		
1228009258 Dup	70.8	15.6	-55.2	78.7	0.198																		
1228009053 Orig																							
1228009053 Dup																							
1228009192 Orig							43	< 0.2	< 0.5	12	410	< 1	15	4	43	2.95	9	< 10	24	< 0.5	< 2	1.50	6
1228009192 Dup							50	< 0.2	< 0.5	12	408	< 1	16	4	46	2.97	8	< 10	24	< 0.5	3	1.51	6
1231028189 Orig																							
1231028189 Dup																							
1231097394 Orig							32																
1231097394 Dup							40																
1231097496 Orig								0.9	0.6	165	304	< 1	18	4	211	1.84	8	< 10	31	< 0.5	8	1.23	5
1231097496 Dup								1.1	< 0.5	163	313	< 1	16	2	201	1.84	12	< 10	36	< 0.5	12	1.24	5
1228009209 Orig																							
1228009209 Dup																							
1231097480 Orig							10																
1231097480 Dup							12																
1228011256 Orig								0.9	< 0.5	329	543	4	13	3	59	3.12	11	< 10	29	< 0.5	3	1.37	8
1228011256 Dup								1.3	< 0.5	312	539	4	13	4	57	3.14	11	< 10	28	< 0.5	3	1.36	7
1231097132 Orig																							
1231097132 Dup																							
1231097266 Orig						9.13	6																
1231097266 Dup						9.11	6																
1231028035 Orig	10.6	24.5	13.9	10.4	2.35																		
1231028035 Dup	10.6	24.5	13.9	10.4	2.35																		
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	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 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
GXR-6 Meas	85	6.10	20	5	1.22	< 10	0.45	0.088	0.034	0.01	3	19	27		< 1	< 2	< 10	180	< 10	5	5		
GXR-6 Cert	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	83	5.99	20	2	1.21	< 10	0.45	0.088	0.035	0.01	5	19	27		< 1	< 2	< 10	185	< 10	5	11		
GXR-6 Cert	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	83	5.98	20	4	1.20	< 10	0.44	0.086	0.034	0.01	4	19	27		< 1	< 2	< 10	182	< 10	5	9		
GXR-6 Cert	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																							14.1
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.1
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
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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																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.3
BaSO4 Cert																							14.0
BaSO4 Meas																							14.4
BaSO4 Cert																							14.0
SGR-1b Meas																						27.9	1.58
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.59
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.59
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.5	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.44
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.57
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.53
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.54

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
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.1	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.59
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.58
SGR-1b Cert																						28	1.53
GS311-4 Meas																						1.11	0.58
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.56
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.12	0.57
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.13	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																						1.11	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.12	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.54
GS311-4 Cert																						1.11	0.54
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	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
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	49	5.30	< 10		0.55	39	1.48	0.037	0.063	0.36	3	5	16			< 2	< 10	39	< 10	24	14		
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	47	5.31	< 10		0.55	38	1.44	0.036	0.062	0.35	< 2	4	17			< 2	< 10	39	< 10	23	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 923 (AQUA REGIA) Meas	43	5.89	< 10		0.46	36	1.53		0.060	0.64	< 2	4	14			< 2	< 10	38	< 10	22	29		
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	42	5.83	< 10		0.46	35	1.50		0.058	0.61	< 2	4	14			< 2	< 10	37	< 10	21	27		
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	42	5.99	< 10		0.45	36	1.55		0.061	0.64	3	4	15			< 2	< 10	38	< 10	21	32		
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										3.89	6												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							

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 621 (Aqua Regia) Meas	32	3.29	10	3	0.40	19	0.47	0.194	0.032	4.31	95	3	18			< 2	< 10	14	< 10	8	62		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	38	3.51	10	4	0.42	21	0.49	0.216	0.034	4.59	115	3	21			< 2	< 10	14	< 10	9	67		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	35	3.48	10	4	0.41	20	0.49	0.206	0.034	4.57	101	3	19			< 2	< 10	14	< 10	9	66		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
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																						0.06	0.35
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	0.37
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.07	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																						0.03	0.31
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.03	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	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	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																						0.04	0.32

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
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	0.32
GS316-3 Cert																						0.0600	0.340
2136016178 Orig																						0.14	0.07
2136016178 Dup																						0.13	0.06
v845086 Orig	14	3.54	< 10	< 1	0.24	11	0.59	0.304	0.060	0.06	3	4	37	0.48	1	< 2	< 10	102	< 10	18	19		
v845086 Dup	13	3.50	< 10	< 1	0.24	11	0.58	0.299	0.058	0.06	< 2	4	37	0.47	6	< 2	< 10	102	< 10	18	17		
1228005192 Orig																							
1228005192 Dup																							
1228005171 Orig																							
1228005171 Dup																							
1228005039 Orig																						< 0.01	0.14
1228005039 Dup																						< 0.01	0.14
1228005068 Orig																							
1228005068 Dup																							
1228005005 Orig	194	1.88	< 10	< 1	0.40	15	0.45	0.055	0.046	1.89	2	< 1	30	< 0.01	2	< 2	< 10	7	< 10	2	14		
1228005005 Dup	191	1.85	< 10	< 1	0.36	15	0.43	0.047	0.047	1.85	< 2	< 1	27	< 0.01	1	< 2	< 10	6	< 10	2	15		
1230039244 Orig																						0.12	0.86
1230039244 Dup																						0.11	0.86
1230039191 Orig																							
1230039191 Dup																							
1231030299 Orig	164	3.28	< 10	< 1	0.22	24	1.29	0.141	0.108	1.61	< 2	2	106	0.02	< 1	< 2	< 10	26	< 10	4	7		
1231030299 Dup	163	3.35	< 10	< 1	0.23	25	1.32	0.147	0.108	1.63	< 2	2	110	0.02	< 1	< 2	< 10	27	< 10	4	8		
1230039147 Orig																						0.18	1.02
1230039147 Dup																						0.18	1.08
1230041019 Orig																						0.15	0.52
1230041019 Dup																						0.14	0.51
v845089 Orig	9	1.55	< 10	< 1	0.09	< 10	0.14	0.193	0.032	0.02	< 2	1	23	0.30	4	< 2	< 10	41	< 10	9	21		
v845089 Dup	9	1.49	< 10	< 1	0.08	< 10	0.13	0.185	0.032	0.02	< 2	1	23	0.31	4	< 2	< 10	40	< 10	9	21		
1115501060 Orig																						0.46	1.71
1115501060 Dup																						0.47	1.70
1115501183 Orig																							
1115501183 Dup																							
1230048048 Orig																						0.18	1.99
1230048048 Dup																						0.17	2.00
1230048189 Orig	331	2.45	< 10	< 1	0.23	15	2.17	0.114	0.039	1.31	2	1	32	< 0.01	2	< 2	< 10	13	< 10	2	17		
1230048189 Dup	329	2.49	< 10	< 1	0.23	15	2.18	0.112	0.039	1.34	3	< 1	32	< 0.01	2	< 2	< 10	13	< 10	2	17		
2136013066 Orig																						0.06	0.10
2136013066 Dup																						0.07	0.11
2136013068 Orig	257	2.41	< 10	< 1	0.45	19	1.13	0.335	0.046	0.20	3	3	141	0.10	< 1	< 2	< 10	33	< 10	4	11		
2136013068 Dup	244	2.34	< 10	< 1	0.43	19	1.11	0.316	0.045	0.20	4	3	136	0.10	2	< 2	< 10	32	< 10	4	14		
1228009134 Orig																						0.35	3.47
1228009134 Dup																						0.33	3.60
v845091 Orig	10	2.03	< 10	< 1	0.19	20	0.25	0.232	0.033	0.02	< 2	2	38	0.33	8	< 2	< 10	43	< 10	17	28		
v845091 Dup	10	2.01	< 10	< 1	0.19	20	0.25	0.235	0.034	0.02	< 2	2	38	0.33	3	< 2	< 10	43	< 10	17	31		
1228009015 Orig																							
1228009015 Dup																							
1228009078 Orig																						0.37	2.02
1228009078 Dup																						0.37	2.02

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
1228009258 Orig																							
1228009258 Dup																							
1228009053 Orig																						0.07	3.98
1228009053 Dup																						0.07	4.02
1228009192 Orig	367	2.77	< 10	< 1	0.23	16	1.18	0.282	0.042	2.43	< 2	< 1	143	< 0.01	< 1	< 2	< 10	9	< 10	2	15		
1228009192 Dup	361	2.78	< 10	< 1	0.23	15	1.18	0.285	0.042	2.40	< 2	< 1	143	< 0.01	2	< 2	< 10	9	< 10	2	15		
1231028189 Orig																						0.06	1.52
1231028189 Dup																						0.05	1.48
1231097394 Orig																							
1231097394 Dup																							
1231097496 Orig	210	3.06	< 10	< 1	0.25	14	0.94	0.117	0.041	1.78	< 2	2	48	0.04	2	< 2	< 10	25	< 10	3	17		
1231097496 Dup	221	3.10	< 10	< 1	0.26	14	0.95	0.121	0.042	1.78	< 2	2	48	0.04	< 1	< 2	< 10	26	< 10	3	18		
1228009209 Orig																						0.19	2.10
1228009209 Dup																						0.19	2.08
1231097480 Orig																							
1231097480 Dup																							
1228011256 Orig	227	3.33	< 10	< 1	0.20	13	0.98	0.365	0.040	1.94	2	1	129	< 0.01	2	< 2	< 10	13	< 10	3	14		
1228011256 Dup	226	3.29	< 10	< 1	0.20	13	0.97	0.361	0.040	2.02	< 2	< 1	131	< 0.01	2	< 2	< 10	13	< 10	3	14		
1231097132 Orig																						0.52	2.15
1231097132 Dup																						0.53	2.12
1231097266 Orig																							
1231097266 Dup																							
1231028035 Orig																							
1231028035 Dup																							
Method Blank																							
Method Blank																							
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	0.014	< 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	0.015	< 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	0.014	< 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	0.013	< 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	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-14270**
Report Date:	**13-Nov-19**
Date Submitted:	**22-Oct-19**
Your Reference:	**RC Grade Control**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

376 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-11-04 09:20:48
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-11-06 17:41:26
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-11-06 09:59:21

REPORT **A19-14270**

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:

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.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841251	273	0.6	< 0.5	33	1110	< 1	14	12	97	1.75	81	< 10	31	< 0.5	< 2	2.40	8	8	2.51	< 10	< 1	0.15	12
V841252	1020	1.0	< 0.5	44	1090	< 1	10	11	78	1.53	89	< 10	27	< 0.5	< 2	2.27	6	7	2.44	< 10	< 1	0.19	11
V841253	213	1.0	< 0.5	33	792	< 1	11	6	132	1.85	42	< 10	33	< 0.5	< 2	2.16	7	10	2.54	< 10	< 1	0.14	11
V841254	36	1.2	< 0.5	20	521	< 1	11	6	97	1.42	34	< 10	38	< 0.5	< 2	2.57	7	6	2.19	< 10	< 1	0.20	11
V841255	25	0.4	< 0.5	30	470	< 1	10	6	140	1.44	40	< 10	40	< 0.5	< 2	2.39	7	6	2.20	< 10	< 1	0.21	< 10
B19-2610-5 DP	24	0.4	< 0.5	28	460	< 1	10	6	142	1.45	36	< 10	38	< 0.5	< 2	2.36	7	6	2.11	< 10	< 1	0.20	< 10
V841256	71	0.3	< 0.5	11	519	< 1	11	8	93	1.24	53	< 10	29	< 0.5	< 2	2.15	7	6	2.20	< 10	< 1	0.16	11
V841257	79	0.6	< 0.5	26	683	< 1	10	9	81	1.12	182	< 10	32	< 0.5	< 2	2.57	7	5	2.36	< 10	< 1	0.19	12
V841258	54	0.8	< 0.5	35	645	< 1	9	8	78	0.94	79	< 10	27	< 0.5	< 2	2.45	7	4	2.41	< 10	< 1	0.18	12
V841259	70	0.5	< 0.5	19	620	< 1	10	10	84	1.37	58	< 10	34	< 0.5	< 2	2.20	6	6	2.11	< 10	< 1	0.19	11
V841260	110	0.6	< 0.5	23	613	< 1	12	12	90	1.41	125	< 10	25	< 0.5	< 2	2.13	7	6	2.46	< 10	< 1	0.16	10
V841261	67	0.6	< 0.5	25	652	< 1	12	11	91	1.54	163	< 10	29	< 0.5	< 2	2.07	7	8	2.39	< 10	< 1	0.18	< 10
V841262	640	0.7	< 0.5	18	752	< 1	12	14	84	1.38	129	< 10	25	< 0.5	< 2	2.12	7	6	2.20	< 10	< 1	0.19	< 10
V841263	138	0.8	< 0.5	28	783	< 1	12	16	115	1.38	181	< 10	23	< 0.5	< 2	1.97	7	7	2.35	< 10	< 1	0.19	< 10
V841264	290	0.4	< 0.5	13	894	< 1	12	13	109	1.08	114	< 10	19	< 0.5	< 2	1.87	7	5	2.04	< 10	< 1	0.13	< 10
V841265	338	1.3	< 0.5	41	1000	< 1	13	16	188	1.21	88	< 10	22	< 0.5	< 2	1.84	7	8	2.20	< 10	< 1	0.17	< 10
V841266	398	1.0	< 0.5	29	1370	< 1	10	24	82	0.79	71	< 10	21	< 0.5	< 2	2.07	8	4	2.06	< 10	< 1	0.17	< 10
V841267	345	1.2	< 0.5	35	1690	< 1	12	20	133	0.86	77	< 10	20	< 0.5	< 2	2.35	7	5	2.18	< 10	< 1	0.24	< 10
V841268	251	1.2	< 0.5	45	1300	< 1	11	14	243	1.24	65	< 10	21	< 0.5	< 2	1.97	7	6	2.43	< 10	< 1	0.18	12
V841269	476	2.9	0.9	37	1520	1	12	26	379	1.36	74	< 10	15	< 0.5	< 2	1.90	8	7	2.83	< 10	< 1	0.19	< 10
V841270	< 5	< 0.2	< 0.5	2	107	< 1	2	< 2	4	0.02	< 2	< 10	16	< 0.5	< 2	> 10.0	< 1	< 1	0.13	< 10	< 1	< 0.01	< 10
V841619	1390	14.5	4.0	161	60	3	9	376	1210	0.36	75	< 10	< 10	< 0.5	< 2	0.13	7	3	2.19	< 10	< 1	0.18	< 10
V841620	449	5.7	7.2	142	169	< 1	8	295	2130	0.48	67	< 10	< 10	< 0.5	< 2	0.24	6	3	1.97	< 10	1	0.21	< 10
V841621	361	8.9	9.7	343	726	2	7	580	2740	0.71	148	< 10	< 10	< 0.5	< 2	0.65	7	4	2.21	< 10	2	0.23	< 10
V841622	2000	18.3	1.7	80	1570	3	8	211	490	0.88	42	< 10	13	< 0.5	2	1.42	7	4	2.51	< 10	< 1	0.21	< 10
V841623	1350	12.8	1.3	68	1810	2	8	101	386	0.80	40	< 10	15	< 0.5	< 2	1.63	6	3	2.33	< 10	< 1	0.18	< 10
B19-2626-5 DP	1340	13.1	1.2	72	1820	3	8	103	357	1.04	42	< 10	13	< 0.5	< 2	1.65	6	4	2.55	< 10	< 1	0.26	< 10
V841624	587	6.2	1.3	71	1160	2	9	67	429	0.61	42	< 10	13	< 0.5	< 2	1.15	7	3	2.25	< 10	< 1	0.13	< 10
V841626	319	4.7	0.8	52	694	< 1	10	25	272	0.59	36	< 10	11	< 0.5	< 2	0.76	7	3	2.00	< 10	< 1	0.18	< 10
V841627	317	4.0	0.6	19	919	< 1	11	104	198	0.80	13	< 10	11	< 0.5	< 2	1.21	7	4	2.13	< 10	< 1	0.21	< 10
V841628	109	1.9	0.5	13	990	< 1	9	32	193	0.81	11	< 10	11	< 0.5	< 2	1.40	6	4	2.06	< 10	< 1	0.22	< 10
V841629	523	19.8	23.7	639	953	3	11	743	6120	0.91	226	< 10	11	< 0.5	4	1.49	7	4	2.27	< 10	5	0.19	< 10
V841631	112	4.2	2.4	72	613	3	8	150	664	1.10	28	< 10	10	< 0.5	6	1.26	8	4	3.27	< 10	< 1	0.19	< 10
V841632	47	2.5	0.9	51	973	< 1	8	68	281	1.23	22	< 10	13	< 0.5	3	1.78	6	3	2.30	< 10	< 1	0.21	10
V841633	1750	8.7	1.9	114	819	< 1	5	57	487	1.13	50	< 10	11	< 0.5	4	1.38	7	3	2.38	< 10	< 1	0.16	< 10
V841634	100	1.8	0.7	42	1170	< 1	6	41	261	1.32	14	< 10	18	< 0.5	2	1.94	6	4	2.04	< 10	< 1	0.17	12
V841635	74	1.6	1.5	70	1300	< 1	7	71	442	0.83	19	< 10	13	< 0.5	2	1.67	6	6	2.01	< 10	< 1	0.14	< 10
V841636	46	2.0	2.8	57	1040	< 1	7	164	771	0.81	28	< 10	< 10	< 0.5	< 2	1.26	7	4	2.28	< 10	< 1	0.22	< 10
V841637	61	2.3	2.8	53	1500	< 1	6	270	815	0.89	29	< 10	11	< 0.5	< 2	1.90	5	5	2.26	< 10	< 1	0.25	< 10
V841638	47	0.7	< 0.5	28	1240	< 1	7	17	141	0.77	9	< 10	15	< 0.5	< 2	1.99	6	3	2.06	< 10	< 1	0.16	11
V841639	82	1.3	< 0.5	41	1170	< 1	6	13	175	1.05	18	< 10	14	< 0.5	< 2	1.93	6	4	2.07	< 10	< 1	0.24	11
V841363	132	2.3	< 0.5	26	1490	< 1	16	32	171	1.40	66	< 10	29	< 0.5	< 2	2.07	8	8	2.46	< 10	2	0.21	10
V841372	113	0.8	0.9	63	1600	2	7	92	313	1.10	30	< 10	16	< 0.5	< 2	1.59	6	4	2.36	< 10	< 1	0.22	12
V841370	146	3.8	3.3	87	1510	3	9	430	930	1.06	46	< 10	11	< 0.5	< 2	1.44	7	6	2.64	< 10	< 1	0.20	< 10
V841371	156	3.8	2.4	175	923	3	9	193	701	1.04	83	< 10	11	< 0.5	< 2	0.99	6	4	2.33	< 10	< 1	0.20	< 10
V841369	67	3.5	1.2	101	1390	3	8	169	363	1.14	45	< 10	15	< 0.5	< 2	1.65	6	4	2.47	< 10	< 1	0.19	< 10
B19-2572-5 DP	112	3.3	1.4	96	1380	3	9	205	434	1.29	45	< 10	15	< 0.5	< 2	1.66	6	5	2.53	< 10	< 1	0.23	< 10
V841368	144	2.9	1.9	83	1280	7	11	99	555	1.01	46	< 10	15	< 0.5	< 2	1.62	7	4	2.52	< 10	< 1	0.18	< 10
V841379	60	1.2	< 0.5	101	937	4	8	30	124	1.56	12	< 10	19	< 0.5	< 2	1.95	6	5	2.46	< 10	< 1	0.16	< 10
V841377	135	1.1	1.7	82	1240	3	9	59	492	1.24	12	< 10	20	< 0.5	< 2	1.86	7	4	2.34	< 10	< 1	0.14	10
V841378	63	1.7	0.5	87	968	4	10	58	223	1.41	14	< 10	16	< 0.5	< 2	1.69	8	5	2.53	< 10	< 1	0.18	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841376	2380	1.3	4.7	101	1200	< 1	7	33	1290	1.46	21	< 10	39	< 0.5	< 2	1.54	6	6	1.94	< 10	< 1	0.22	< 10
V841373	102	< 0.2	1.3	31	1140	< 1	7	16	442	1.00	18	< 10	31	< 0.5	< 2	1.16	7	4	1.65	< 10	< 1	0.17	10
V841374	143	0.4	2.5	163	1300	< 1	8	27	759	1.21	25	< 10	23	< 0.5	< 2	1.35	6	4	1.88	< 10	< 1	0.17	10
V841651	159	0.4	< 0.5	14	803	< 1	12	17	211	1.21	103	< 10	19	< 0.5	< 2	2.06	7	7	2.45	< 10	< 1	0.19	13
V841652	319	0.4	0.8	17	799	< 1	12	14	298	1.31	102	< 10	21	< 0.5	< 2	2.10	7	7	2.29	< 10	< 1	0.18	12
V841653	230	0.8	< 0.5	44	764	< 1	18	15	162	1.63	85	< 10	25	< 0.5	< 2	1.93	8	10	2.45	< 10	< 1	0.19	11
V841654	84	0.4	< 0.5	20	794	< 1	12	9	98	0.95	60	< 10	18	< 0.5	< 2	1.98	8	5	2.07	< 10	< 1	0.12	< 10
V841655	215	2.4	< 0.5	60	1170	< 1	10	33	180	0.47	82	< 10	15	< 0.5	< 2	2.21	7	3	1.98	< 10	< 1	0.10	< 10
B19-2540-5 DP	254	2.0	< 0.5	52	1140	< 1	11	35	215	0.67	77	< 10	20	< 0.5	< 2	2.19	7	4	2.05	< 10	< 1	0.16	< 10
V841675	712	3.3	< 0.5	36	287	13	11	22	45	1.21	< 2	< 10	61	< 0.5	< 2	2.11	8	13	3.32	< 10	< 1	0.26	17
V841670	< 5	< 0.2	< 0.5	< 1	104	< 1	< 1	< 2	< 2	0.02	< 2	< 10	19	< 0.5	< 2	> 10.0	< 1	< 1	0.06	< 10	< 1	< 0.01	< 10
V841656	756	3.1	1.4	53	1760	< 1	10	132	455	0.84	92	< 10	22	< 0.5	< 2	2.19	7	4	2.17	< 10	< 1	0.25	< 10
V841657	1000	10.7	3.2	151	1440	< 1	11	739	1020	0.80	225	< 10	19	< 0.5	< 2	1.29	7	5	2.08	< 10	< 1	0.23	< 10
V841658	1520	26.0	18.6	483	1110	< 1	11	2050	5210	0.98	300	< 10	13	< 0.5	< 2	1.22	6	6	2.64	< 10	1	0.25	< 10
V841659	646	4.7	1.4	86	1430	< 1	10	170	462	0.97	118	< 10	22	< 0.5	< 2	1.86	7	5	2.30	< 10	< 1	0.24	< 10
V841660	110	2.7	0.7	55	1350	1	11	115	263	1.26	57	< 10	19	< 0.5	< 2	2.35	7	6	2.36	< 10	< 1	0.24	< 10
V841661	170	2.9	0.6	96	1650	1	10	182	221	1.20	54	< 10	23	< 0.5	2	1.57	7	6	2.19	< 10	< 1	0.19	< 10
V841662	206	0.8	2.3	64	1120	< 1	8	44	685	1.30	45	< 10	34	< 0.5	< 2	1.15	6	5	1.91	< 10	< 1	0.18	10
V841321	370	1.4	< 0.5	18	588	3	3	19	34	0.52	15	< 10	29	< 0.5	< 2	0.80	3	30	1.42	< 10	< 1	0.15	< 10
V841322	391	3.3	1.3	81	967	3	7	97	382	0.66	49	< 10	17	< 0.5	< 2	1.03	6	12	2.01	< 10	< 1	0.22	< 10
V841323	389	8.9	3.7	304	1010	3	8	504	1070	0.76	132	< 10	11	< 0.5	< 2	1.11	6	6	2.29	< 10	1	0.24	< 10
V841324	223	2.0	< 0.5	40	1630	3	9	20	140	1.02	25	< 10	16	< 0.5	< 2	2.14	7	5	2.32	< 10	< 1	0.25	11
V841326	753	8.5	0.9	90	1550	5	11	29	304	0.88	72	< 10	11	< 0.5	< 2	1.58	9	7	2.85	< 10	< 1	0.25	< 10
B19-2609-5 DP	757	8.4	0.8	71	1580	3	10	24	261	0.91	67	< 10	12	< 0.5	< 2	1.60	8	6	2.62	< 10	< 1	0.27	< 10
V841327	605	7.2	1.1	22	880	< 1	8	108	376	0.50	25	< 10	11	< 0.5	< 2	0.77	7	4	1.84	< 10	< 1	0.17	< 10
V841328	356	4.0	0.8	17	1060	1	8	194	271	0.87	14	< 10	11	< 0.5	< 2	0.85	6	4	2.17	< 10	< 1	0.28	< 10
V841329	1630	13.9	0.7	36	112	2	11	327	233	0.49	22	< 10	< 10	< 0.5	< 2	0.17	7	3	2.03	< 10	< 1	0.18	10
V841330	586	6.5	2.9	81	231	< 1	9	392	868	0.80	43	< 10	11	0.5	< 2	0.38	7	4	1.98	< 10	< 1	0.28	14
V841331	550	6.5	0.8	113	565	< 1	10	70	261	0.39	69	< 10	< 10	< 0.5	< 2	0.62	8	3	2.07	< 10	< 1	0.11	< 10
V841332	263	3.1	0.8	64	1400	2	9	51	276	0.96	32	< 10	14	< 0.5	< 2	1.86	7	5	2.42	< 10	< 1	0.21	< 10
V841333	218	4.5	5.0	173	1220	3	9	58	1280	1.09	74	< 10	12	< 0.5	< 2	1.79	7	5	2.50	< 10	1	0.20	< 10
V841334	296	3.8	< 0.5	23	1050	< 1	10	31	121	1.07	12	< 10	13	< 0.5	< 2	1.50	6	4	2.01	< 10	< 1	0.23	< 10
V841335	186	2.8	< 0.5	19	790	< 1	11	32	111	0.87	12	< 10	11	< 0.5	< 2	1.08	7	4	1.99	< 10	< 1	0.20	< 10
V841336	204	2.9	< 0.5	15	782	2	10	92	131	1.01	14	< 10	21	< 0.5	2	1.28	6	5	1.63	< 10	< 1	0.22	16
V841337	423	8.3	7.4	272	1190	2	10	279	1830	0.95	121	< 10	10	< 0.5	4	1.67	8	4	3.06	< 10	1	0.22	< 10
V841338	80	1.7	0.8	20	756	< 1	7	85	281	1.25	10	< 10	13	< 0.5	3	1.36	6	3	2.12	< 10	< 1	0.18	11
V841339	103	1.9	0.6	20	828	< 1	6	72	234	1.32	9	< 10	16	< 0.5	2	1.50	5	4	2.28	< 10	< 1	0.17	11
V841340	120	1.5	1.4	37	1170	< 1	6	34	416	1.01	21	< 10	21	< 0.5	2	1.70	6	3	2.10	< 10	< 1	0.19	12
V841401	44	0.4	< 0.5	23	757	< 1	9	9	76	1.36	67	< 10	31	< 0.5	< 2	2.69	7	5	2.36	< 10	< 1	0.18	16
V841402	73	0.7	< 0.5	21	624	< 1	10	12	96	1.11	70	< 10	21	< 0.5	< 2	1.77	8	5	2.42	< 10	< 1	0.12	17
V841403	149	2.0	< 0.5	13	795	< 1	10	9	86	1.44	59	< 10	27	< 0.5	< 2	2.25	7	6	2.41	< 10	< 1	0.16	16
V841404	370	2.4	0.8	22	852	< 1	12	27	331	1.28	152	< 10	26	< 0.5	< 2	2.08	7	7	2.29	< 10	< 1	0.18	< 10
V841405	221	0.9	0.8	32	841	< 1	12	28	294	1.17	101	< 10	24	< 0.5	< 2	2.03	7	7	2.05	< 10	< 1	0.16	11
B19-2552-5 DP	246	1.0	0.8	34	882	< 1	13	33	306	1.22	108	< 10	25	< 0.5	< 2	2.07	7	8	2.19	< 10	< 1	0.18	11
V841425	727	3.2	< 0.5	34	282	14	12	15	45	1.19	< 2	< 10	60	< 0.5	< 2	2.08	8	12	3.19	< 10	< 1	0.26	17
V841430	< 5	< 0.2	< 0.5	2	99	< 1	2	< 2	2	0.03	< 2	< 10	18	< 0.5	< 2	> 10.0	< 1	< 1	0.08	< 10	< 1	< 0.01	< 10
V814406	159	0.6	< 0.5	20	843	< 1	12	31	171	1.31	142	< 10	23	< 0.5	< 2	1.92	8	6	2.19	< 10	< 1	0.20	10
V841407	159	0.7	< 0.5	25	1030	< 1	12	23	151	1.12	72	< 10	18	< 0.5	< 2	2.03	7	5	2.13	< 10	< 1	0.21	10
V841408	374	2.6	2.0	78	1140	< 1	10	43	602	0.73	106	< 10	18	< 0.5	< 2	1.76	7	5	2.13	< 10	< 1	0.21	11
V841409	568	8.0	1.3	196	1270	< 1	12	176	404	0.34	164	< 10	13	< 0.5	< 2	1.95	7	3	2.12	< 10	< 1	0.08	< 10
V841410	3710	2.3	0.8	58	1290	< 1	9	97	274	0.86	89	< 10	16	< 0.5	< 2	2.09	7	4	2.31	< 10	< 1	0.27	11

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841411	493	1.8	< 0.5	41	1430	< 1	9	69	221	0.85	73	< 10	14	< 0.5	< 2	2.08	7	3	2.14	< 10	< 1	0.28	11
V841412	902	1.8	0.7	42	1140	< 1	10	59	241	0.76	78	< 10	13	< 0.5	< 2	1.56	8	5	2.58	< 10	< 1	0.24	15
V841413	1310	1.3	0.6	42	1450	< 1	10	36	242	0.85	94	< 10	17	< 0.5	< 2	2.05	8	4	2.55	< 10	< 1	0.24	14
V841414	351	0.6	< 0.5	28	1260	< 1	10	15	89	0.99	85	< 10	21	< 0.5	< 2	2.36	7	4	2.37	< 10	< 1	0.15	13
V841415	451	1.2	0.7	37	1250	< 1	10	30	228	0.61	71	< 10	15	< 0.5	< 2	2.21	8	3	2.26	< 10	< 1	0.08	12
V841416	104	1.3	< 0.5	46	938	2	10	17	167	1.28	46	< 10	15	< 0.5	< 2	1.86	7	5	2.39	< 10	< 1	0.23	10
V841417	206	1.2	< 0.5	60	1170	3	10	16	195	0.92	42	< 10	17	< 0.5	< 2	1.55	8	5	2.25	< 10	< 1	0.08	13
V841418	4240	56.0	2.7	39	1450	< 1	10	58	837	1.05	39	< 10	14	< 0.5	< 2	1.34	7	4	2.20	< 10	< 1	0.29	12
V841701	746	1.9	< 0.5	38	1090	< 1	13	30	106	0.90	112	< 10	22	< 0.5	< 2	2.20	7	6	2.35	< 10	< 1	0.16	10
V841702	162	0.6	< 0.5	21	842	< 1	11	19	119	1.42	93	< 10	27	< 0.5	< 2	1.81	7	7	2.19	< 10	< 1	0.21	< 10
V841703	230	1.3	< 0.5	16	801	< 1	11	27	100	0.98	78	< 10	16	< 0.5	< 2	1.64	7	6	1.98	< 10	< 1	0.09	11
V841704	200	1.2	2.5	34	758	< 1	11	231	837	0.96	196	< 10	15	< 0.5	< 2	1.62	7	6	1.83	< 10	< 1	0.08	11
V841705	389	0.7	< 0.5	23	1060	< 1	11	44	97	0.77	82	< 10	16	< 0.5	< 2	2.05	7	5	1.91	< 10	< 1	0.10	11
B19-2591-5 DP	417	0.8	< 0.5	24	1060	< 1	14	44	99	1.32	84	< 10	27	< 0.5	< 2	2.05	7	7	2.27	< 10	< 1	0.26	12
V841725	1200	4.3	< 0.5	23	153	7	6	< 2	26	0.66	< 2	< 10	23	< 0.5	< 2	0.66	5	10	1.50	< 10	< 1	0.09	< 10
V841710	< 5	< 0.2	< 0.5	2	105	< 1	1	< 2	< 2	0.02	< 2	< 10	17	< 0.5	< 2	> 10.0	< 1	< 1	0.08	< 10	< 1	< 0.01	< 10
V841706	2420	3.0	1.1	97	886	< 1	13	73	391	0.80	105	< 10	20	< 0.5	< 2	1.65	7	4	2.14	< 10	< 1	0.20	11
V841707	108	1.3	1.3	42	1050	< 1	13	72	475	0.95	65	< 10	21	< 0.5	< 2	2.03	7	5	2.28	< 10	< 1	0.22	< 10
V841708	301	1.2	< 0.5	32	1070	< 1	10	72	164	1.11	81	< 10	20	< 0.5	< 2	2.12	7	4	2.37	< 10	< 1	0.22	15
V841709	317	0.5	< 0.5	20	1040	< 1	11	23	63	0.89	77	< 10	19	< 0.5	< 2	2.15	7	4	2.19	< 10	< 1	0.17	16
V841711	514	1.0	< 0.5	28	1230	< 1	10	37	245	1.00	90	< 10	18	< 0.5	< 2	2.24	7	4	2.32	< 10	< 1	0.24	14
V841712	655	1.9	< 0.5	35	1250	< 1	9	42	190	1.05	80	< 10	16	< 0.5	< 2	2.17	7	4	2.42	< 10	< 1	0.26	16
V841713	521	1.1	0.9	32	1280	< 1	10	43	348	1.17	94	< 10	21	< 0.5	< 2	2.40	8	4	2.26	< 10	< 1	0.23	14
V841714	196	0.9	0.5	29	1510	< 1	10	51	239	1.26	76	< 10	25	< 0.5	< 2	2.54	8	5	2.25	< 10	< 1	0.24	12
V841715	130	0.8	0.8	29	1340	< 1	12	67	283	1.20	86	< 10	21	< 0.5	< 2	2.01	7	7	2.44	< 10	< 1	0.20	< 10
V841716	153	1.2	1.0	56	1470	< 1	12	59	363	1.55	77	< 10	27	< 0.5	< 2	2.13	7	8	2.45	< 10	< 1	0.21	12
V841717	201	2.4	0.5	46	1050	1	8	54	220	1.60	32	< 10	29	< 0.5	< 2	1.65	6	6	2.24	< 10	< 1	0.23	11
V841718	4320	7.1	3.0	45	1600	< 1	7	126	866	1.12	26	< 10	28	< 0.5	< 2	1.49	5	7	1.89	< 10	< 1	0.24	10
V841719	882	18.4	4.0	244	1420	3	9	237	1090	1.03	123	< 10	12	< 0.5	3	1.64	7	6	2.14	< 10	1	0.17	< 10
V841663	1150	1.0	5.6	135	1840	< 1	7	194	1560	0.96	30	< 10	24	< 0.5	< 2	1.61	6	5	1.73	< 10	< 1	0.19	11
V841664	785	2.6	5.0	164	2000	< 1	7	538	1410	0.90	35	< 10	25	< 0.5	< 2	1.49	6	4	1.85	< 10	< 1	0.19	< 10
V841665	608	1.3	2.1	91	1760	< 1	8	123	632	1.09	27	< 10	29	< 0.5	< 2	1.50	6	5	1.88	< 10	< 1	0.20	< 10
V841666	4170	64.3	3.8	59	1580	1	7	125	1060	0.82	26	< 10	14	< 0.5	3	1.32	7	3	2.18	< 10	< 1	0.17	< 10
V841667	401	4.2	1.1	81	2010	2	8	60	318	0.72	46	< 10	13	< 0.5	< 2	1.75	6	4	2.24	< 10	< 1	0.18	< 10
B19-2526-5 DP	388	4.1	0.9	79	2030	3	8	58	297	0.70	45	< 10	14	< 0.5	< 2	1.79	6	3	2.15	< 10	< 1	0.17	< 10
V841668	339	5.1	1.5	74	1390	4	9	85	444	0.78	39	< 10	11	< 0.5	< 2	1.46	7	4	2.22	< 10	< 1	0.17	< 10
V841669	374	7.7	0.6	81	1560	3	9	77	197	0.82	43	< 10	12	< 0.5	< 2	1.79	7	4	2.21	< 10	< 1	0.17	< 10
V841671	454	7.7	1.2	82	819	1	10	140	387	0.70	48	< 10	11	< 0.5	< 2	0.89	7	4	2.12	< 10	< 1	0.20	< 10
V841672	345	5.9	1.0	70	1770	2	10	359	284	0.81	37	< 10	15	< 0.5	2	2.21	6	5	2.52	< 10	< 1	0.16	< 10
V841673	50	1.9	< 0.5	23	1600	3	9	114	136	1.24	10	< 10	22	< 0.5	2	2.66	7	6	1.84	< 10	< 1	0.14	< 10
V841674	13	1.6	< 0.5	56	787	3	10	38	64	1.20	25	< 10	11	< 0.5	< 2	2.10	7	5	2.70	< 10	< 1	0.14	< 10
V841676	179	3.9	2.3	50	923	1	9	91	615	0.98	19	< 10	12	< 0.5	4	1.76	7	5	2.35	< 10	< 1	0.17	12
V841677	41	1.9	1.6	22	664	< 1	7	87	457	1.08	10	< 10	< 10	< 0.5	3	1.04	7	4	2.27	< 10	< 1	0.15	13
V841101	< 5	< 0.2	< 0.5	21	216	1	11	< 2	18	0.92	35	< 10	< 10	< 0.5	< 2	0.11	10	17	1.07	< 10	< 1	< 0.01	14
V841102	5	< 0.2	< 0.5	17	180	1	9	< 2	15	0.70	21	< 10	< 10	< 0.5	< 2	0.11	8	20	0.90	< 10	< 1	< 0.01	13
V841103	6	< 0.2	< 0.5	19	150	1	11	< 2	18	0.62	30	< 10	< 10	< 0.5	< 2	0.11	9	17	0.99	< 10	< 1	< 0.01	12
V841104	30	< 0.2	< 0.5	17	209	1	11	< 2	20	0.81	63	< 10	< 10	< 0.5	< 2	0.11	8	22	1.50	< 10	< 1	< 0.01	12
V841105	123	0.4	< 0.5	14	179	< 1	10	< 2	43	1.09	348	< 10	28	< 0.5	< 2	0.15	9	9	1.43	< 10	< 1	0.13	15
B19-2468-5 DP	118	0.3	< 0.5	13	168	< 1	12	3	41	0.98	405	< 10	28	< 0.5	< 2	0.14	8	10	1.41	< 10	< 1	0.12	14
V841106	70	0.6	< 0.5	37	625	< 1	12	5	106	1.77	48	< 10	37	< 0.5	< 2	1.93	8	11	2.58	< 10	< 1	0.16	13
V841107	23	0.4	< 0.5	14	507	< 1	10	3	73	1.60	40	< 10	40	< 0.5	< 2	2.15	7	7	2.37	< 10	< 1	0.19	14

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841108	57	0.9	< 0.5	29	526	< 1	10	6	79	1.46	57	< 10	33	< 0.5	< 2	2.01	8	6	2.42	< 10	< 1	0.18	15
V841109	137	0.9	< 0.5	25	498	1	11	18	111	1.32	96	< 10	28	< 0.5	< 2	1.82	8	8	2.27	< 10	< 1	0.15	16
V841110	114	0.5	< 0.5	27	713	< 1	11	11	172	1.73	64	< 10	28	< 0.5	< 2	2.39	7	7	2.50	< 10	< 1	0.16	14
V841111	197	0.6	< 0.5	26	623	< 1	12	11	174	1.87	345	< 10	27	< 0.5	< 2	1.79	7	9	2.44	< 10	1	0.15	12
V841112	522	0.5	< 0.5	15	825	< 1	13	17	130	1.50	269	< 10	24	< 0.5	< 2	2.15	7	8	2.29	< 10	< 1	0.16	< 10
V857281	< 5	< 0.2	< 0.5	2	121	< 1	2	< 2	< 2	0.04	< 2	< 10	17	< 0.5	< 2	> 10.0	< 1	2	0.16	< 10	< 1	0.01	< 10
V841113	185	1.5	1.1	29	961	< 1	12	28	406	1.34	105	< 10	22	< 0.5	< 2	2.00	7	7	2.19	< 10	< 1	0.17	< 10
V841114	225	6.6	1.5	23	796	< 1	12	25	529	1.37	54	< 10	27	< 0.5	< 2	1.20	8	8	2.36	< 10	< 1	0.18	10
V841115	148	2.4	0.8	24	1110	< 1	13	32	334	1.63	52	< 10	28	< 0.5	< 2	1.52	8	8	2.34	< 10	< 1	0.17	11
V841116	152	2.1	0.5	28	1070	< 1	12	47	278	1.42	56	< 10	20	< 0.5	< 2	1.59	8	8	2.39	< 10	< 1	0.12	< 10
B19-2469-5 DP	136	2.6	2.4	40	1510	1	12	138	753	1.38	66	< 10	24	< 0.5	< 2	2.27	7	7	2.55	< 10	< 1	0.17	< 10
V841117	148	2.8	2.4	42	1570	< 1	12	163	705	1.33	70	< 10	22	< 0.5	< 2	2.33	7	7	2.68	< 10	< 1	0.17	< 10
V841118	136	1.1	2.7	43	1630	< 1	12	30	796	1.18	80	< 10	27	< 0.5	< 2	2.15	8	8	2.30	< 10	< 1	0.18	< 10
V841119	139	0.9	< 0.5	44	1060	3	10	11	216	1.35	30	< 10	26	< 0.5	< 2	1.78	6	5	2.32	< 10	< 1	0.16	11
V841120	72	2.0	< 0.5	116	1160	3	9	31	183	1.41	52	< 10	20	< 0.5	< 2	1.92	6	7	2.50	< 10	< 1	0.16	< 10
V841121	72	1.4	< 0.5	52	982	3	8	30	97	1.35	25	< 10	13	< 0.5	< 2	1.78	7	4	2.34	< 10	< 1	0.15	< 10
V841122	52	1.5	0.6	50	1030	3	9	78	210	1.22	20	< 10	13	< 0.5	< 2	1.52	7	5	2.49	< 10	< 1	0.16	< 10
V841123	66	2.4	0.6	64	958	3	9	126	200	1.26	28	< 10	11	< 0.5	< 2	1.44	7	4	2.43	< 10	< 1	0.17	< 10
V841124	128	2.0	1.0	76	1470	2	8	48	299	1.29	36	< 10	18	< 0.5	< 2	2.11	6	5	2.38	< 10	< 1	0.17	< 10
V841125	1580	10.5	< 0.5	53	360	19	13	6	55	1.50	< 2	< 10	77	< 0.5	< 2	1.26	13	13	3.53	< 10	< 1	0.23	11
V841271	1770	1.2	1.5	27	1670	1	12	17	516	0.98	65	< 10	24	< 0.5	< 2	2.26	8	7	2.31	< 10	< 1	0.19	< 10
V841272	291	1.5	1.0	57	1530	3	13	20	382	1.05	62	< 10	27	< 0.5	< 2	2.26	8	8	2.51	< 10	< 1	0.18	< 10
V841273	449	1.7	1.3	98	1030	1	10	15	481	1.22	62	< 10	27	< 0.5	< 2	1.75	7	8	2.20	< 10	< 1	0.16	10
V841274	440	1.3	3.4	117	653	< 1	8	12	991	0.90	59	< 10	34	< 0.5	< 2	0.85	7	5	1.55	< 10	< 1	0.20	12
V841275	1420	10.5	< 0.5	54	362	19	13	5	54	1.49	< 2	< 10	77	< 0.5	< 2	1.25	13	13	3.51	< 10	< 1	0.24	11
B19-2527-5 DP	329	0.9	< 0.5	30	1780	1	8	10	130	0.97	18	< 10	35	< 0.5	< 2	2.21	6	6	1.99	< 10	< 1	0.19	12
V841276	328	0.8	< 0.5	26	1560	< 1	7	11	119	1.01	19	< 10	35	< 0.5	< 2	1.95	6	7	1.86	< 10	< 1	0.19	12
V841277	256	0.5	7.0	200	700	1	8	11	1910	1.18	16	< 10	30	< 0.5	< 2	0.84	7	6	1.92	< 10	1	0.19	13
V841278	> 5000	8.4	5.6	146	889	< 1	8	17	1550	1.19	18	< 10	25	< 0.5	< 2	1.03	7	6	2.00	< 10	1	0.18	10
V841279	2590	44.2	3.0	56	1580	2	7	26	815	0.70	25	< 10	16	< 0.5	< 2	1.66	6	4	2.39	< 10	< 1	0.17	10
V841280	3560	61.7	3.9	157	522	2	8	200	1140	0.69	71	< 10	11	< 0.5	< 2	0.60	7	6	2.12	< 10	1	0.24	< 10
V841281	267	8.2	7.9	238	74	< 1	9	616	2250	0.53	102	< 10	11	< 0.5	< 2	0.12	7	5	2.09	< 10	2	0.26	< 10
V841282	323	4.8	1.1	125	613	4	8	160	327	0.93	52	< 10	11	< 0.5	< 2	0.75	7	5	2.54	< 10	< 1	0.23	10
V841283	370	12.9	5.8	413	1160	4	9	525	1500	0.83	170	< 10	12	< 0.5	3	1.28	7	5	2.41	< 10	2	0.24	< 10
V841284	590	14.2	4.8	454	507	2	9	280	1240	0.70	199	< 10	11	0.5	2	0.60	7	8	2.29	< 10	2	0.24	< 10
V841285	981	11.9	1.9	76	726	< 1	10	20	575	0.74	52	< 10	17	0.6	< 2	0.85	7	5	2.04	< 10	< 1	0.26	< 10
V841286	262	3.2	< 0.5	28	882	< 1	9	12	135	0.82	27	< 10	17	< 0.5	< 2	1.19	7	6	2.10	< 10	< 1	0.24	< 10
V841287	320	4.7	< 0.5	65	784	2	11	13	142	0.85	26	< 10	14	< 0.5	< 2	1.23	8	5	2.31	< 10	< 1	0.22	14
V841288	259	3.2	< 0.5	17	1140	1	11	11	81	0.85	16	< 10	17	< 0.5	< 2	1.79	7	6	2.21	< 10	< 1	0.22	14
V841289	126	1.6	< 0.5	22	1190	3	10	22	118	1.16	13	< 10	17	< 0.5	< 2	1.68	7	7	2.14	< 10	< 1	0.23	11
V841290	136	2.2	1.3	61	1760	1	9	39	389	0.92	28	< 10	15	< 0.5	2	2.68	6	5	2.47	< 10	< 1	0.22	< 10
V841301	159	1.9	< 0.5	16	349	< 1	12	9	97	1.93	40	< 10	27	< 0.5	< 2	1.77	7	10	2.47	< 10	< 1	0.15	12
V841302	23	0.5	< 0.5	19	511	< 1	11	9	113	1.46	35	< 10	24	< 0.5	< 2	2.62	7	6	2.54	< 10	< 1	0.17	11
V841303	34	0.4	< 0.5	21	491	< 1	10	10	89	1.31	60	< 10	23	< 0.5	< 2	2.18	7	6	2.43	< 10	< 1	0.20	11
V841304	39	0.5	< 0.5	24	520	< 1	10	13	122	1.26	63	< 10	37	< 0.5	< 2	2.05	8	5	2.30	< 10	< 1	0.21	13
V841305	67	0.6	< 0.5	26	666	< 1	12	16	123	1.18	78	< 10	32	< 0.5	< 2	2.47	7	6	2.29	< 10	< 1	0.20	13
B19-2539-5 DP	76	0.9	< 0.5	39	705	< 1	10	16	145	1.25	104	< 10	33	< 0.5	< 2	2.57	7	5	2.30	< 10	< 1	0.20	14
V841306	124	0.6	< 0.5	28	566	1	10	15	120	1.74	1160	< 10	33	< 0.5	< 2	1.67	8	7	2.64	< 10	< 1	0.18	14
V841307	80	0.6	< 0.5	28	633	1	11	13	104	1.65	390	< 10	32	< 0.5	< 2	1.81	8	7	2.59	< 10	< 1	0.19	13
V841308	298	0.6	< 0.5	19	713	< 1	11	22	165	1.48	340	< 10	27	< 0.5	< 2	1.86	7	8	2.23	< 10	< 1	0.19	< 10
V841309	164	0.6	0.7	18	869	< 1	12	26	223	1.14	248	< 10	21	< 0.5	< 2	2.05	7	6	2.13	< 10	< 1	0.14	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841310	< 5	< 0.2	< 0.5	2	112	< 1	2	< 2	< 2	0.03	< 2	< 10	18	< 0.5	< 2	> 10.0	< 1	< 1	0.12	< 10	< 1	0.01	< 10
V841311	214	0.6	< 0.5	19	911	< 1	13	33	216	1.20	96	< 10	24	< 0.5	< 2	2.03	7	7	2.26	< 10	< 1	0.19	< 10
V841312	165	1.0	< 0.5	31	1100	< 1	13	37	198	0.73	80	< 10	17	< 0.5	< 2	2.00	7	4	2.01	< 10	< 1	0.12	< 10
V841313	4740	4.2	1.5	66	1670	< 1	12	78	454	0.58	110	< 10	16	< 0.5	< 2	2.67	7	3	2.31	< 10	< 1	0.12	< 10
V841314	348	2.0	< 0.5	57	1750	< 1	11	70	123	0.50	92	< 10	16	< 0.5	< 2	2.49	7	4	2.11	< 10	< 1	0.14	< 10
V841315	384	1.0	0.5	22	1480	< 1	10	24	224	0.61	84	< 10	18	< 0.5	< 2	2.20	7	4	2.09	< 10	< 1	0.14	< 10
V841316	712	3.5	1.5	103	826	< 1	9	139	505	0.46	93	< 10	10	< 0.5	< 2	1.09	7	3	2.21	< 10	< 1	0.14	11
V841317	516	2.2	1.1	62	1570	< 1	10	66	398	0.52	75	< 10	13	< 0.5	< 2	2.07	7	3	2.15	< 10	< 1	0.14	< 10
V841318	1110	1.7	0.7	51	1090	1	10	38	267	0.52	90	< 10	15	< 0.5	< 2	1.48	8	3	2.16	< 10	< 1	0.13	< 10
V841319	181	1.6	< 0.5	87	859	5	12	11	181	1.44	57	< 10	21	< 0.5	< 2	1.44	8	7	2.31	< 10	< 1	0.12	11
V841320	112	1.0	< 0.5	50	1200	2	11	14	126	1.10	44	< 10	21	< 0.5	< 2	2.21	8	5	2.35	< 10	< 1	0.12	12
V841151	< 5	< 0.2	< 0.5	4	184	< 1	8	< 2	16	0.73	15	< 10	< 10	< 0.5	< 2	0.11	7	13	0.91	< 10	< 1	< 0.01	< 10
V841152	6	< 0.2	< 0.5	13	170	1	7	2	15	0.65	24	< 10	< 10	< 0.5	< 2	0.12	6	20	0.90	< 10	< 1	< 0.01	19
V841153	6	< 0.2	< 0.5	16	172	1	15	< 2	14	0.67	534	< 10	< 10	< 0.5	< 2	0.11	10	19	1.14	< 10	< 1	< 0.01	12
V841154	917	2.4	< 0.5	161	109	3	26	3	28	0.59	156	< 10	< 10	< 0.5	< 2	0.13	23	12	2.75	< 10	< 1	0.06	10
V841155	322	0.5	< 0.5	41	380	< 1	12	3	162	1.61	68	< 10	29	< 0.5	< 2	0.85	8	9	2.25	< 10	< 1	0.12	13
B19-2487-5 DP	228	0.4	< 0.5	30	401	< 1	11	4	146	1.53	55	< 10	27	< 0.5	< 2	0.92	8	8	2.16	< 10	< 1	0.11	13
V841156	38	0.3	< 0.5	14	687	< 1	9	4	86	1.07	31	< 10	27	< 0.5	< 2	2.78	6	6	2.05	< 10	< 1	0.12	12
V841157	26	0.4	< 0.5	22	509	< 1	10	6	110	1.15	49	< 10	29	< 0.5	< 2	2.26	7	5	2.14	< 10	< 1	0.13	12
V841158	72	0.7	< 0.5	21	653	< 1	11	8	92	1.34	72	< 10	23	< 0.5	< 2	2.44	7	6	2.33	< 10	< 1	0.10	11
V841159	58	0.6	< 0.5	31	532	< 1	11	8	107	1.50	169	< 10	24	< 0.5	< 2	1.91	8	6	2.52	< 10	< 1	0.11	15
V841160	56	0.5	< 0.5	28	527	< 1	11	10	92	1.58	138	< 10	22	< 0.5	< 2	1.78	8	7	2.44	< 10	< 1	0.11	16
V841161	188	0.3	< 0.5	17	674	< 1	12	9	101	1.59	341	< 10	24	< 0.5	< 2	1.89	7	8	2.15	< 10	< 1	0.12	11
V841162	502	0.8	< 0.5	22	765	< 1	12	17	111	1.54	267	< 10	21	< 0.5	< 2	1.77	8	9	2.17	< 10	< 1	0.12	< 10
V841163	764	1.0	< 0.5	15	1010	< 1	12	19	143	1.12	271	< 10	19	< 0.5	< 2	2.18	8	6	2.54	< 10	< 1	0.12	< 10
V841164	382	1.1	0.6	22	1060	< 1	12	19	230	1.14	99	< 10	20	< 0.5	< 2	1.97	8	6	2.24	< 10	< 1	0.12	< 10
V841165	157	2.6	0.8	35	1240	< 1	12	48	295	1.33	71	< 10	20	< 0.5	< 2	1.47	8	8	2.32	< 10	< 1	0.12	< 10
V841166	369	6.4	1.2	165	1490	< 1	14	140	430	0.98	112	< 10	16	< 0.5	< 2	1.89	7	5	2.51	< 10	< 1	0.13	< 10
V841167	170	1.2	< 0.5	24	1430	< 1	10	108	157	0.90	46	< 10	20	< 0.5	< 2	2.47	7	5	1.94	< 10	< 1	0.14	< 10
V841168	1020	4.5	4.8	60	1500	< 1	9	95	1460	0.69	72	< 10	16	< 0.5	< 2	2.01	7	3	2.10	< 10	< 1	0.15	< 10
V841169	132	0.7	< 0.5	48	1120	2	9	14	110	1.26	34	< 10	21	< 0.5	< 2	1.91	6	8	2.13	< 10	< 1	0.12	11
V841170	92	1.0	< 0.5	84	771	3	10	8	115	1.42	50	< 10	18	< 0.5	< 2	1.51	7	6	2.39	< 10	< 1	0.12	10
V841171	51	1.8	0.5	51	1070	3	10	92	163	1.10	26	< 10	13	< 0.5	< 2	1.82	7	5	2.23	< 10	< 1	0.12	< 10
V841172	61	1.8	0.5	52	1110	3	10	80	217	1.01	23	< 10	13	< 0.5	< 2	1.67	7	4	2.37	< 10	< 1	0.12	< 10
V841173	52	0.9	< 0.5	31	1190	3	7	47	102	1.01	14	< 10	11	< 0.5	< 2	1.59	7	4	2.19	< 10	< 1	0.12	< 10
B19-2488-5 DP	103	1.6	< 0.5	74	1230	2	9	24	79	1.12	31	< 10	13	< 0.5	< 2	1.70	7	4	2.20	< 10	< 1	0.12	< 10
V841174	52	1.1	< 0.5	35	1250	3	10	57	109	1.10	15	< 10	12	< 0.5	< 2	1.66	7	4	2.28	< 10	< 1	0.13	< 10
V841175	774	3.4	< 0.5	36	293	16	11	18	46	1.22	3	< 10	62	< 0.5	< 2	2.15	9	13	3.28	< 10	< 1	0.27	18
V841176	181	1.3	2.3	126	1270	2	9	107	719	0.74	31	< 10	< 10	< 0.5	< 2	1.40	7	5	2.15	< 10	< 1	0.14	11
V841177	223	0.6	5.5	102	1650	< 1	9	21	1460	1.68	21	< 10	22	< 0.5	< 2	1.86	6	5	1.91	< 10	< 1	0.26	10
V841178	397	0.3	2.8	70	1210	< 1	8	20	797	1.73	15	< 10	34	< 0.5	< 2	1.52	6	7	1.82	< 10	< 1	0.25	11
V841179	411	0.5	4.0	97	1340	1	8	24	1090	1.57	19	< 10	22	< 0.5	< 2	1.70	6	5	1.98	< 10	< 1	0.22	< 10
V841180	153	1.6	0.7	122	1250	4	10	56	239	1.30	10	< 10	11	< 0.5	< 2	2.04	7	5	2.29	< 10	< 1	0.22	< 10
V841181	80	1.4	< 0.5	96	939	4	10	42	115	1.48	14	< 10	15	< 0.5	< 2	1.88	7	5	2.37	< 10	< 1	0.20	< 10
V841182	125	3.0	1.4	101	1010	3	9	34	400	1.25	46	< 10	12	< 0.5	< 2	2.06	7	5	2.27	< 10	< 1	0.25	11
V841183	190	3.0	1.3	72	975	3	11	28	376	1.43	37	< 10	13	< 0.5	< 2	2.15	8	5	2.35	< 10	< 1	0.24	< 10
V841184	141	1.8	< 0.5	13	975	2	10	39	131	1.32	10	< 10	19	< 0.5	< 2	1.98	7	6	1.77	< 10	< 1	0.23	< 10
V841185	153	4.6	0.8	146	1040	3	12	51	243	1.36	58	< 10	11	< 0.5	5	1.90	8	9	2.29	< 10	< 1	0.22	< 10
V841201	9	< 0.2	< 0.5	12	68	2	14	< 2	9	0.41	24	< 10	13	< 0.5	< 2	0.08	8	20	0.75	< 10	< 1	0.04	12
V841202	8	< 0.2	< 0.5	10	61	2	9	< 2	7	0.34	11	< 10	12	< 0.5	< 2	0.11	6	28	0.49	< 10	< 1	0.03	13
V841203	15	< 0.2	< 0.5	15	225	2	6	< 2	21	0.89	9	< 10	12	< 0.5	< 2	0.13	6	21	0.85	< 10	< 1	0.04	12

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841204	9	< 0.2	< 0.5	18	212	2	11	< 2	24	1.08	12	< 10	11	< 0.5	< 2	0.12	9	23	1.16	< 10	< 1	0.03	12
V841205	47	< 0.2	< 0.5	11	169	< 1	11	2	56	1.31	20	< 10	35	< 0.5	< 2	0.18	8	17	1.30	< 10	< 1	0.16	12
B19-2512-5 DP	41	< 0.2	< 0.5	10	167	< 1	12	2	50	1.31	20	< 10	38	< 0.5	< 2	0.16	8	15	1.22	< 10	< 1	0.17	13
V841206	63	0.4	< 0.5	8	726	< 1	10	7	120	1.95	18	< 10	44	0.7	< 2	2.10	7	9	2.26	< 10	< 1	0.23	13
V841207	215	0.5	< 0.5	29	754	< 1	10	8	118	1.73	45	< 10	37	< 0.5	< 2	2.80	6	8	2.08	< 10	< 1	0.19	< 10
V841208	104	0.5	< 0.5	25	539	< 1	12	10	94	1.34	64	< 10	21	< 0.5	< 2	2.29	7	7	2.20	< 10	< 1	0.21	< 10
V841209	240	0.7	< 0.5	47	562	< 1	10	11	97	1.34	83	< 10	25	< 0.5	< 2	2.27	7	6	2.01	< 10	< 1	0.28	11
V841210	83	0.7	< 0.5	22	506	< 1	10	8	92	1.24	59	< 10	31	< 0.5	< 2	2.26	7	6	2.31	< 10	< 1	0.23	13
V841211	41	0.7	< 0.5	22	460	< 1	10	7	57	1.21	58	< 10	30	< 0.5	< 2	2.36	7	5	2.20	< 10	< 1	0.26	13
V841212	92	1.4	< 0.5	30	541	< 1	11	13	64	1.35	194	< 10	28	< 0.5	< 2	2.40	7	6	2.22	< 10	< 1	0.24	10
V841213	587	2.5	0.7	74	573	< 1	13	21	154	1.56	257	< 10	22	< 0.5	< 2	2.01	8	8	2.17	< 10	< 1	0.20	< 10
V841214	496	0.8	< 0.5	21	767	< 1	11	12	109	1.33	96	< 10	21	< 0.5	< 2	2.01	7	7	2.12	< 10	< 1	0.20	< 10
V841215	251	0.6	< 0.5	25	816	< 1	12	9	112	1.56	78	< 10	25	< 0.5	< 2	1.99	8	8	2.13	< 10	< 1	0.21	< 10
V841216	267	0.6	< 0.5	29	775	1	13	12	124	1.44	85	< 10	25	< 0.5	< 2	1.70	7	8	2.03	< 10	< 1	0.21	< 10
V841217	2500	1.3	< 0.5	42	1350	< 1	12	15	64	0.85	71	< 10	21	< 0.5	< 2	1.93	8	6	2.04	< 10	< 1	0.24	< 10
V841218	807	0.7	< 0.5	24	1940	< 1	13	15	55	0.84	52	< 10	19	< 0.5	< 2	3.07	11	5	2.89	< 10	< 1	0.34	39
V841219	316	0.3	< 0.5	16	1470	< 1	11	9	119	1.02	36	< 10	20	< 0.5	< 2	2.48	9	6	2.28	< 10	< 1	0.26	23
V841220	344	0.7	< 0.5	21	1250	< 1	11	14	159	1.26	44	< 10	16	< 0.5	< 2	1.97	7	7	2.33	< 10	< 1	0.24	10
V841221	361	1.0	< 0.5	23	1300	< 1	12	18	214	1.37	43	< 10	19	< 0.5	< 2	2.06	8	8	2.37	< 10	< 1	0.24	< 10
V841222	501	2.3	0.8	54	1520	< 1	11	34	231	1.02	53	< 10	17	< 0.5	< 2	2.60	7	7	2.18	< 10	< 1	0.25	< 10
V841223	782	17.2	18.4	1140	1220	3	7	2840	4890	0.79	96	< 10	10	< 0.5	< 2	1.72	6	7	2.11	< 10	3	0.23	< 10
V841224	352	1.4	3.0	137	1020	4	9	204	884	0.91	24	< 10	19	< 0.5	< 2	1.28	7	6	1.81	< 10	< 1	0.25	< 10
V841091	1630	10.2	< 0.5	53	370	19	13	6	57	1.47	< 2	< 10	78	< 0.5	< 2	1.22	14	13	3.68	< 10	< 1	0.24	11
B19-2513-5 DP	269	0.5	1.1	65	1280	< 1	7	14	394	1.19	16	< 10	38	< 0.5	< 2	1.57	6	6	1.68	< 10	< 1	0.25	13
V841226	393	0.3	1.3	67	1240	< 1	8	11	410	1.17	14	< 10	43	< 0.5	< 2	1.53	6	6	1.60	< 10	< 1	0.25	12
V841227	216	0.3	< 0.5	58	961	1	8	9	149	1.29	10	< 10	40	< 0.5	< 2	1.19	7	7	1.59	< 10	< 1	0.24	13
V841228	214	0.4	< 0.5	42	1410	< 1	7	10	161	1.13	11	< 10	33	< 0.5	< 2	1.61	6	6	1.57	< 10	< 1	0.26	15
V841229	1090	8.6	2.5	64	1140	< 1	8	14	623	1.32	11	< 10	19	< 0.5	< 2	1.26	7	8	1.80	< 10	< 1	0.23	11
V841230	< 5	< 0.2	< 0.5	1	108	< 1	2	< 2	3	0.03	< 2	< 10	28	< 0.5	< 2	> 10.0	< 1	< 1	0.08	< 10	< 1	0.01	< 10
V841231	210	0.7	1.1	46	1350	< 1	8	10	307	1.37	11	< 10	39	0.6	< 2	1.57	7	6	1.90	< 10	< 1	0.26	12
V841232	164	1.3	< 0.5	27	2130	1	11	9	294	1.86	7	< 10	23	0.6	< 2	4.39	14	6	4.12	< 10	< 1	0.32	62
V841233	388	1.4	< 0.5	52	1030	3	12	11	110	1.04	6	< 10	14	0.6	< 2	1.71	7	6	2.27	< 10	< 1	0.26	10
V841234	142	1.1	< 0.5	79	1300	4	9	12	113	1.00	7	< 10	15	< 0.5	< 2	2.16	7	4	2.18	< 10	< 1	0.25	< 10
V841235	120	1.5	0.6	104	1370	3	10	16	232	1.02	11	< 10	15	< 0.5	< 2	2.29	7	5	2.24	< 10	< 1	0.27	10
V841236	160	1.4	< 0.5	93	1170	3	9	15	161	0.92	10	< 10	13	< 0.5	< 2	2.05	6	4	2.11	< 10	< 1	0.26	< 10
V841237	41	0.7	< 0.5	52	1150	2	9	12	111	1.13	16	< 10	17	< 0.5	< 2	2.21	6	5	2.40	< 10	< 1	0.21	< 10
V841238	190	3.2	1.2	99	997	3	10	12	337	1.16	37	< 10	12	< 0.5	3	1.91	8	5	2.25	< 10	< 1	0.22	< 10
V841239	236	3.7	< 0.5	90	785	3	9	20	149	0.93	33	< 10	12	< 0.5	3	1.23	7	4	2.02	< 10	< 1	0.25	12
V841240	87	2.1	< 0.5	35	1140	2	9	19	85	0.91	13	< 10	17	< 0.5	2	1.65	8	4	1.86	< 10	< 1	0.26	15
V841351	115	0.3	< 0.5	26	479	< 1	12	6	106	1.92	52	< 10	39	< 0.5	< 2	1.35	8	10	2.32	< 10	< 1	0.16	12
V841352	26	0.2	< 0.5	14	605	< 1	11	5	82	1.46	27	< 10	44	< 0.5	< 2	2.84	7	8	2.22	< 10	< 1	0.20	12
V841353	42	0.3	< 0.5	21	528	< 1	11	5	85	1.39	44	< 10	40	< 0.5	< 2	2.54	8	7	2.11	< 10	< 1	0.19	13
V841354	137	1.1	< 0.5	41	590	1	11	10	81	1.31	276	< 10	26	< 0.5	< 2	2.53	7	6	2.39	< 10	< 1	0.19	10
V841355	90	1.3	< 0.5	36	512	< 1	10	9	69	1.55	73	< 10	21	< 0.5	< 2	1.95	8	6	2.42	< 10	< 1	0.18	10
B19-2551-5 DP	88	1.3	< 0.5	36	516	< 1	11	11	69	1.56	71	< 10	19	< 0.5	2	1.95	8	6	2.46	< 10	< 1	0.17	11
V841356	108	0.9	< 0.5	31	649	1	11	12	80	1.33	65	< 10	21	< 0.5	< 2	2.05	7	6	2.46	< 10	< 1	0.11	13
V841357	70	0.4	< 0.5	21	638	< 1	13	10	138	1.34	83	< 10	22	< 0.5	< 2	1.95	8	7	2.16	< 10	< 1	0.12	11
V841358	218	0.5	< 0.5	20	712	< 1	13	15	107	1.17	102	< 10	23	< 0.5	< 2	1.95	7	7	2.07	< 10	< 1	0.13	10
V841359	124	0.5	< 0.5	36	728	< 1	13	15	117	1.24	116	< 10	20	< 0.5	< 2	2.00	7	8	2.04	< 10	< 1	0.11	< 10
V841360	355	0.4	1.3	16	640	< 1	12	13	328	1.21	422	< 10	19	< 0.5	< 2	1.69	7	7	2.14	< 10	< 1	0.12	11
V841361	263	2.0	< 0.5	19	731	< 1	13	12	131	1.15	81	< 10	17	< 0.5	< 2	1.70	8	6	2.33	< 10	< 1	0.12	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841362	102	3.2	0.7	19	960	< 1	13	15	252	1.28	56	< 10	18	< 0.5	< 2	1.32	9	7	2.26	< 10	< 1	0.12	< 10
V841375	1240	4.1	< 0.5	23	151	7	6	< 2	27	0.58	< 2	< 10	22	< 0.5	< 2	0.62	5	9	1.50	< 10	< 1	0.09	< 10
V841364	349	1.7	< 0.5	26	1300	< 1	11	65	232	1.51	53	< 10	19	< 0.5	< 2	1.59	7	9	2.26	< 10	< 1	0.12	10
V841365	204	1.7	< 0.5	29	987	< 1	10	47	219	1.74	42	< 10	24	< 0.5	< 2	1.37	7	8	2.26	< 10	< 1	0.15	11
V841366	76	1.4	< 0.5	61	1010	2	11	25	85	1.23	43	< 10	21	< 0.5	< 2	1.71	7	5	2.24	< 10	< 1	0.15	< 10
V841367	104	3.0	< 0.5	117	1260	2	9	31	116	1.22	60	< 10	17	< 0.5	< 2	1.97	7	6	2.32	< 10	< 1	0.15	< 10
V841419	1160	15.4	2.4	40	262	< 1	9	174	745	0.64	39	< 10	11	< 0.5	< 2	0.34	7	4	1.82	< 10	< 1	0.21	11
V841420	1040	10.6	11.4	294	46	< 1	9	388	3420	0.40	148	< 10	< 10	< 0.5	< 2	0.11	6	4	1.87	< 10	4	0.21	< 10
V841421	387	3.5	3.8	124	116	2	9	383	1160	0.49	70	< 10	< 10	< 0.5	< 2	0.18	7	4	2.02	< 10	1	0.19	< 10
V841422	528	2.6	5.3	103	754	2	7	215	1510	0.61	63	< 10	13	< 0.5	< 2	0.68	7	3	2.13	< 10	2	0.19	< 10
V841423	353	3.4	6.2	164	1170	2	8	353	1750	0.57	82	< 10	11	< 0.5	< 2	1.08	6	3	2.14	< 10	1	0.19	< 10
B19-2573-5 DP	375	3.7	6.4	150	1150	2	7	358	1800	0.61	77	< 10	12	< 0.5	< 2	1.06	7	3	2.17	< 10	2	0.20	< 10
V841424	405	4.0	3.8	212	1150	2	6	382	1060	0.51	99	< 10	10	< 0.5	< 2	1.12	6	4	2.04	< 10	1	0.18	< 10
V841426	96	1.5	1.3	75	1520	2	10	124	392	0.61	35	< 10	14	< 0.5	< 2	1.58	7	3	2.10	< 10	< 1	0.19	< 10
V841427	82	3.2	1.7	94	1050	4	9	190	464	0.87	42	< 10	11	< 0.5	2	1.65	7	4	2.31	< 10	< 1	0.18	< 10
V841428	551	4.5	< 0.5	83	1640	3	9	55	162	0.87	32	< 10	18	< 0.5	< 2	2.14	6	4	2.24	< 10	< 1	0.20	< 10
V841429	273	2.6	4.0	70	1120	4	9	93	1040	0.83	35	< 10	15	< 0.5	< 2	1.66	7	4	2.22	< 10	< 1	0.18	< 10
V841431	221	2.0	0.6	57	1110	4	10	48	244	0.84	32	< 10	14	< 0.5	< 2	1.58	8	4	2.35	< 10	< 1	0.19	12
V841432	92	2.8	1.4	99	1030	2	10	131	390	0.87	43	< 10	< 10	< 0.5	3	1.73	7	3	2.95	< 10	< 1	0.16	< 10
V841433	151	4.1	0.6	43	737	4	8	158	209	0.77	20	< 10	< 10	< 0.5	5	1.27	9	4	2.24	< 10	< 1	0.15	< 10
V841434	167	2.0	2.1	25	777	1	7	56	574	1.06	14	< 10	< 10	< 0.5	< 2	1.41	7	3	2.39	< 10	< 1	0.16	< 10
V841435	37	1.2	0.8	14	897	< 1	7	61	250	1.12	8	< 10	16	< 0.5	2	1.75	7	4	2.15	< 10	< 1	0.16	< 10
V841436	62	0.8	0.7	44	1050	< 1	7	25	260	1.10	14	< 10	15	< 0.5	< 2	1.83	6	4	2.19	< 10	< 1	0.16	13
V841437	93	1.1	< 0.5	51	1150	< 1	7	23	165	1.10	11	< 10	13	< 0.5	< 2	1.82	6	3	2.06	< 10	< 1	0.19	11
V841438	74	0.9	1.0	58	1390	< 1	7	46	329	0.88	11	< 10	13	< 0.5	< 2	1.95	6	3	2.13	< 10	< 1	0.18	< 10
V841439	278	2.0	3.5	97	1550	< 1	7	64	1110	0.54	18	< 10	10	< 0.5	< 2	1.59	7	3	2.24	< 10	< 1	0.20	< 10
V841440	110	1.1	13.0	259	1950	< 1	6	23	3560	0.57	14	< 10	17	< 0.5	< 2	2.41	6	3	1.88	< 10	< 1	0.20	12
V841601	41	0.4	< 0.5	34	584	< 1	11	5	86	1.15	35	< 10	29	< 0.5	< 2	2.57	6	7	2.04	< 10	< 1	0.16	12
V841602	84	0.5	< 0.5	28	722	1	9	8	87	1.27	55	< 10	27	< 0.5	< 2	2.33	7	7	2.23	< 10	< 1	0.14	16
V841603	105	0.4	< 0.5	27	567	1	12	7	136	1.68	58	< 10	29	< 0.5	< 2	1.62	8	8	2.46	< 10	< 1	0.17	15
V841604	327	0.7	< 0.5	16	849	< 1	13	8	113	1.19	69	< 10	25	< 0.5	< 2	2.16	8	7	2.18	< 10	< 1	0.15	11
V841605	199	1.0	0.9	41	996	< 1	12	13	346	1.19	98	< 10	23	< 0.5	< 2	2.72	7	7	2.39	< 10	< 1	0.16	< 10
B19-2590-5 DP	175	1.0	1.0	40	965	< 1	13	13	358	1.14	96	< 10	22	< 0.5	< 2	2.65	7	7	2.30	< 10	< 1	0.15	< 10
V841625	1200	4.2	< 0.5	22	151	7	5	< 2	26	0.59	< 2	< 10	23	< 0.5	3	0.63	5	9	1.46	< 10	< 1	0.09	< 10
V841630	8	< 0.2	< 0.5	1	128	< 1	2	< 2	< 2	0.03	< 2	< 10	16	< 0.5	< 2	> 10.0	< 1	< 1	0.11	< 10	< 1	0.02	< 10
V841606	183	0.6	< 0.5	22	779	< 1	12	20	168	0.84	61	< 10	19	< 0.5	< 2	1.95	7	4	2.01	< 10	< 1	0.14	< 10
V841607	188	0.5	< 0.5	17	967	< 1	10	17	145	0.98	60	< 10	21	< 0.5	< 2	2.11	7	5	1.99	< 10	< 1	0.15	< 10
V841608	113	1.0	< 0.5	33	1020	< 1	13	20	166	0.94	67	< 10	19	< 0.5	< 2	2.05	7	5	2.06	< 10	< 1	0.15	< 10
V841609	393	2.6	< 0.5	63	1050	< 1	11	15	112	0.64	79	< 10	18	< 0.5	< 2	1.82	7	4	2.00	< 10	< 1	0.17	< 10
V841610	381	1.1	0.8	25	1510	< 1	11	37	238	0.52	59	< 10	20	< 0.5	< 2	2.49	7	3	1.95	< 10	< 1	0.17	< 10
V841611	636	2.6	1.4	53	1270	< 1	10	147	432	0.47	94	< 10	13	< 0.5	< 2	1.53	7	3	2.16	< 10	< 1	0.18	< 10
V841612	757	2.3	0.9	44	1920	< 1	9	195	264	0.53	67	< 10	15	< 0.5	< 2	2.25	7	4	2.22	< 10	< 1	0.17	< 10
V841613	575	4.4	4.4	98	1540	1	9	584	1230	0.45	98	< 10	18	< 0.5	< 2	1.64	7	4	1.96	< 10	< 1	0.14	< 10
V841614	485	3.0	2.1	100	1550	< 1	13	190	652	0.94	101	< 10	21	< 0.5	< 2	1.88	8	7	2.42	< 10	< 1	0.17	< 10
V841615	937	2.4	1.2	101	1420	< 1	13	113	370	0.88	104	< 10	18	< 0.5	< 2	2.15	8	5	2.35	< 10	< 1	0.14	< 10
V841616	164	1.6	< 0.5	59	1140	2	11	47	131	1.08	44	< 10	20	< 0.5	< 2	2.19	7	5	2.24	< 10	< 1	0.14	< 10
V841617	583	4.7	3.4	233	943	2	9	74	951	0.80	115	< 10	14	< 0.5	< 2	1.19	6	4	2.17	< 10	< 1	0.15	< 10
V841618	369	4.9	3.7	150	624	4	9	304	1120	0.45	82	< 10	< 10	< 0.5	< 2	0.58	7	5	2.26	< 10	< 1	0.15	< 10
V841720	137	3.2	0.8	84	1450	5	9	100	273	0.76	46	< 10	14	< 0.5	< 2	1.71	7	7	2.23	< 10	< 1	0.14	< 10
V841721	675	9.2	7.2	131	689	< 1	8	472	2060	0.52	76	< 10	11	< 0.5	< 2	0.73	6	3	1.99	< 10	2	0.16	< 10
V841722	404	4.7	4.4	172	358	2	8	223	1280	0.39	91	< 10	13	< 0.5	< 2	0.36	7	3	2.03	< 10	1	0.15	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841723	401	4.7	2.7	234	1260	2	7	203	758	0.64	114	< 10	19	< 0.5	< 2	1.47	6	4	2.19	< 10	< 1	0.16	11
V841724	447	11.1	17.9	680	502	2	7	621	5070	0.46	299	< 10	12	< 0.5	< 2	0.56	6	3	2.17	< 10	5	0.16	11
B19-2629-5 DP	393	13.6	17.4	609	533	2	7	610	4980	0.46	279	< 10	14	< 0.5	< 2	0.59	6	3	2.26	< 10	5	0.15	11
V841726	212	3.1	5.0	188	433	3	6	136	1450	0.52	92	< 10	15	< 0.5	< 2	0.47	7	3	2.12	< 10	1	0.18	10
V841727	76	4.9	8.6	226	454	3	9	456	2470	0.63	107	< 10	12	< 0.5	2	0.49	7	4	2.38	< 10	2	0.18	< 10
V841728	277	4.4	5.3	162	715	3	9	582	1470	0.55	79	< 10	13	< 0.5	2	0.87	8	4	2.48	< 10	< 1	0.16	< 10
V841729	160	2.2	0.7	107	954	3	9	94	241	0.91	45	< 10	20	< 0.5	2	1.51	8	4	2.13	< 10	< 1	0.14	< 10
V841730	107	1.9	< 0.5	55	1020	3	9	77	113	1.07	21	< 10	14	< 0.5	2	1.89	7	4	2.61	< 10	< 1	0.13	< 10
V841731	132	3.0	3.4	130	598	2	8	87	900	0.94	55	< 10	12	< 0.5	2	1.09	8	4	2.35	< 10	1	0.16	< 10
V841732	48	2.0	1.0	27	1070	< 1	7	234	328	0.79	16	< 10	17	< 0.5	3	1.46	6	3	2.17	< 10	< 1	0.16	< 10
V841733	81	2.7	1.2	140	973	< 1	7	287	339	0.71	66	< 10	18	< 0.5	< 2	1.29	7	4	1.96	< 10	< 1	0.15	< 10
V841734	254	2.0	4.3	109	975	< 1	7	155	1210	0.70	27	< 10	16	< 0.5	< 2	1.18	6	3	2.21	< 10	< 1	0.17	< 10
V841735	235	1.3	1.9	66	1180	< 1	5	63	589	0.75	21	< 10	17	< 0.5	< 2	1.41	6	3	2.21	< 10	< 1	0.17	< 10
V841736	77	0.4	< 0.5	37	1260	< 1	6	30	166	0.91	21	< 10	25	< 0.5	< 2	1.73	5	4	1.92	< 10	< 1	0.15	11
V841737	139	1.2	1.4	93	1510	< 1	6	97	463	0.66	18	< 10	26	< 0.5	< 2	1.89	5	3	1.77	< 10	< 1	0.16	11
V841738	116	1.5	5.8	127	1160	< 1	7	137	1710	0.71	18	< 10	21	< 0.5	< 2	1.49	5	2	1.69	< 10	< 1	0.15	10
V841739	60	0.6	1.4	47	1210	1	6	42	450	0.81	16	< 10	23	< 0.5	< 2	1.73	7	3	1.90	< 10	< 1	0.17	11
V841740	44	0.4	1.2	29	1290	< 1	9	23	401	0.73	10	< 10	27	< 0.5	< 2	1.81	7	3	1.51	< 10	< 1	0.14	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
V841251	1.40	0.083	0.051	1.35	< 2	1	98	< 0.01	3	< 2	< 10	9	< 10	1	5	
V841252	1.13	0.084	0.047	1.52	2	1	88	< 0.01	2	< 2	< 10	8	< 10	3	7	
V841253	1.58	0.076	0.047	1.07	< 2	1	88	< 0.01	< 1	< 2	< 10	10	< 10	1	6	
V841254	1.50	0.071	0.048	0.95	< 2	1	114	< 0.01	6	< 2	< 10	7	< 10	2	3	
V841255	1.45	0.070	0.046	0.93	< 2	1	112	< 0.01	3	< 2	< 10	8	< 10	2	4	
B19-2610-5 DP	1.47	0.071	0.047	0.86	< 2	1	108	< 0.01	2	< 2	< 10	8	< 10	2	2	
V841256	1.33	0.066	0.048	1.11	< 2	< 1	86	< 0.01	5	< 2	< 10	7	< 10	2	4	
V841257	1.40	0.069	0.048	1.09	< 2	< 1	103	< 0.01	< 1	2	< 10	7	< 10	2	4	
V841258	1.19	0.057	0.049	1.43	< 2	< 1	100	< 0.01	< 1	< 2	< 10	5	< 10	2	5	
V841259	1.35	0.070	0.047	0.92	< 2	< 1	87	< 0.01	< 1	< 2	< 10	7	< 10	1	3	
V841260	1.48	0.060	0.047	1.24	< 2	< 1	75	< 0.01	< 1	< 2	< 10	8	< 10	1	3	
V841261	1.49	0.062	0.045	1.03	< 2	< 1	74	< 0.01	2	< 2	< 10	8	< 10	1	3	
V841262	1.35	0.062	0.045	1.28	< 2	< 1	76	< 0.01	< 1	< 2	< 10	7	< 10	1	3	
V841263	1.32	0.060	0.038	1.50	< 2	< 1	68	< 0.01	< 1	< 2	< 10	7	< 10	1	7	
V841264	1.30	0.042	0.043	1.37	< 2	< 1	51	< 0.01	< 1	< 2	< 10	5	< 10	2	6	
V841265	1.34	0.046	0.039	1.48	< 2	< 1	54	< 0.01	4	< 2	< 10	6	< 10	1	9	
V841266	1.09	0.039	0.038	1.74	< 2	< 1	45	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841267	1.26	0.041	0.036	1.92	2	< 1	49	< 0.01	< 1	< 2	< 10	5	< 10	2	10	
V841268	1.68	0.036	0.048	1.81	2	< 1	43	< 0.01	< 1	< 2	< 10	7	< 10	2	7	
V841269	1.92	0.037	0.048	2.29	3	< 1	51	< 0.01	< 1	< 2	< 10	7	< 10	2	9	
V841270	1.27	0.017	0.007	0.02	< 2	< 1	55	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1	
V841619	0.07	0.028	0.036	2.71	13	< 1	11	< 0.01	7	< 2	< 10	3	< 10	< 1	11	
V841620	0.16	0.030	0.030	2.34	12	< 1	13	< 0.01	3	< 2	< 10	3	< 10	1	14	
V841621	0.44	0.033	0.034	2.47	28	< 1	22	< 0.01	2	< 2	< 10	4	< 10	1	11	
V841622	0.96	0.035	0.038	2.40	7	< 1	34	< 0.01	11	< 2	< 10	4	< 10	1	8	
V841623	0.98	0.032	0.035	2.18	5	< 1	35	< 0.01	7	< 2	< 10	4	< 10	1	8	
B19-2626-5 DP	1.02	0.042	0.036	2.26	6	< 1	39	< 0.01	8	< 2	< 10	5	< 10	1	9	
V841624	0.75	0.028	0.044	2.50	7	< 1	27	< 0.01	3	< 2	< 10	3	< 10	1	9	
V841626	0.47	0.031	0.038	2.32	4	< 1	23	< 0.01	4	< 2	< 10	3	< 10	1	15	
V841627	0.68	0.037	0.038	2.23	< 2	< 1	31	< 0.01	3	< 2	< 10	4	< 10	2	14	
V841628	0.77	0.037	0.038	2.23	< 2	< 1	33	< 0.01	< 1	< 2	< 10	5	< 10	2	13	
V841629	0.85	0.039	0.038	2.64	44	< 1	37	< 0.01	8	< 2	< 10	4	< 10	1	12	
V841631	0.63	0.044	0.038	3.57	5	< 1	38	< 0.01	2	< 2	< 10	4	< 10	1	11	
V841632	0.98	0.046	0.041	2.24	4	< 1	45	< 0.01	2	< 2	< 10	4	< 10	2	9	
V841633	0.89	0.042	0.040	2.44	8	< 1	37	< 0.01	6	< 2	< 10	4	< 10	1	11	
V841634	1.10	0.045	0.042	1.70	2	< 1	42	< 0.01	3	< 2	< 10	5	< 10	2	8	
V841635	1.02	0.033	0.042	1.87	2	< 1	30	< 0.01	< 1	< 2	< 10	4	< 10	2	8	
V841636	0.81	0.036	0.044	2.38	5	< 1	25	< 0.01	< 1	< 2	< 10	4	< 10	2	12	
V841637	1.05	0.039	0.038	2.28	5	< 1	36	< 0.01	< 1	< 2	< 10	5	< 10	2	10	
V841638	1.07	0.034	0.043	1.89	< 2	< 1	32	< 0.01	< 1	< 2	< 10	3	< 10	2	8	
V841639	1.07	0.043	0.041	1.85	< 2	< 1	39	< 0.01	< 1	< 2	< 10	4	< 10	2	8	
V841363	1.68	0.039	0.039	1.24	< 2	< 1	45	< 0.01	3	< 2	< 10	7	< 10	2	7	
V841372	0.88	0.043	0.039	1.90	< 2	< 1	37	< 0.01	1	< 2	< 10	5	< 10	2	8	
V841370	0.88	0.042	0.038	2.54	10	< 1	38	< 0.01	< 1	< 2	< 10	5	< 10	1	9	
V841371	0.62	0.041	0.039	2.25	9	< 1	33	< 0.01	4	< 2	< 10	5	< 10	1	8	
V841369	1.03	0.045	0.041	2.22	13	< 1	44	< 0.01	1	< 2	< 10	5	< 10	2	9	
B19-2572-5 DP	1.03	0.050	0.039	2.22	13	< 1	47	< 0.01	1	< 2	< 10	6	< 10	2	9	
V841368	1.04	0.040	0.039	2.33	9	< 1	41	< 0.01	2	< 2	< 10	5	< 10	2	9	
V841379	1.24	0.052	0.039	2.04	2	< 1	50	< 0.01	2	< 2	< 10	7	< 10	1	7	
V841377	1.09	0.041	0.040	1.88	< 2	< 1	41	< 0.01	2	< 2	< 10	5	< 10	1	7	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
V841378	1.08	0.050	0.042	2.26	< 2	< 1	44	< 0.01	4	< 2	< 10	6	< 10	1	8	
V841376	0.83	0.047	0.038	1.00	< 2	< 1	40	< 0.01	2	< 2	< 10	6	< 10	2	7	
V841373	0.72	0.036	0.038	1.05	< 2	< 1	29	< 0.01	3	< 2	< 10	4	< 10	1	7	
V841374	0.80	0.041	0.039	1.12	< 2	< 1	34	< 0.01	< 1	< 2	< 10	5	< 10	1	6	
V841651	1.33	0.055	0.040	1.74	< 2	< 1	62	< 0.01	< 1	< 2	< 10	6	< 10	2	7	
V841652	1.32	0.051	0.043	1.59	< 2	< 1	58	< 0.01	6	< 2	< 10	6	< 10	2	7	
V841653	1.35	0.055	0.039	1.42	< 2	< 1	63	< 0.01	< 1	< 2	< 10	8	< 10	2	8	
V841654	1.22	0.032	0.042	1.47	< 2	< 1	40	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
V841655	1.12	0.025	0.039	1.74	5	< 1	32	< 0.01	< 1	< 2	< 10	3	< 10	2	8	
B19-2540-5 DP	1.11	0.033	0.037	1.74	3	< 1	38	< 0.01	< 1	< 2	< 10	4	< 10	2	8	
V841675	0.47	0.186	0.047	0.04	< 2	3	53	0.31	8	< 2	< 10	62	< 10	18	14	
V841670	1.08	0.017	0.009	< 0.01	< 2	< 1	58	< 0.01	1	< 2	< 10	< 1	< 10	2	< 1	
V841656	1.19	0.037	0.042	1.84	3	< 1	41	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
V841657	0.85	0.033	0.036	1.86	12	< 1	28	< 0.01	< 1	< 2	< 10	5	< 10	2	15	
V841658	0.90	0.038	0.035	2.60	28	< 1	31	< 0.01	< 1	< 2	< 10	6	< 10	1	16	
V841659	1.09	0.039	0.037	1.81	5	< 1	41	< 0.01	2	< 2	< 10	5	< 10	2	14	
V841660	1.24	0.047	0.039	1.94	4	< 1	52	< 0.01	< 1	< 2	< 10	7	< 10	2	11	
V841661	1.00	0.043	0.039	1.46	< 2	< 1	43	< 0.01	< 1	< 2	< 10	6	< 10	2	9	
V841662	0.85	0.040	0.037	0.89	< 2	< 1	34	< 0.01	< 1	< 2	< 10	5	< 10	1	8	
V841321	0.32	0.035	0.015	0.85	< 2	< 1	29	< 0.01	< 1	< 2	< 10	3	< 10	< 1	5	
V841322	0.55	0.032	0.026	1.81	4	< 1	31	< 0.01	3	< 2	< 10	4	< 10	1	8	
V841323	0.65	0.034	0.030	2.19	14	< 1	34	< 0.01	< 1	< 2	< 10	5	< 10	1	9	
V841324	1.11	0.039	0.037	1.99	3	< 1	50	< 0.01	2	< 2	< 10	6	< 10	2	8	
V841326	0.99	0.035	0.040	2.85	7	< 1	39	< 0.01	8	< 2	< 10	5	< 10	2	11	
B19-2609-5 DP	0.98	0.037	0.039	2.57	6	< 1	40	< 0.01	6	< 2	< 10	6	< 10	2	12	
V841327	0.46	0.027	0.040	2.08	< 2	< 1	22	< 0.01	4	< 2	< 10	3	< 10	1	14	
V841328	0.58	0.037	0.037	2.28	2	< 1	31	< 0.01	3	< 2	< 10	5	< 10	1	14	
V841329	0.16	0.027	0.032	2.39	3	< 1	16	< 0.01	9	< 2	< 10	3	< 10	< 1	16	
V841330	0.30	0.034	0.037	2.34	6	< 1	25	< 0.01	5	< 2	< 10	4	< 10	1	17	
V841331	0.40	0.023	0.042	2.57	9	< 1	19	< 0.01	5	< 2	< 10	2	< 10	1	14	
V841332	1.17	0.038	0.038	2.42	5	< 1	49	< 0.01	3	< 2	< 10	5	< 10	2	12	
V841333	1.17	0.041	0.037	2.51	11	< 1	49	< 0.01	4	< 2	< 10	5	< 10	2	10	
V841334	0.98	0.043	0.038	2.04	2	< 1	45	< 0.01	2	< 2	< 10	5	< 10	1	13	
V841335	0.70	0.038	0.040	2.12	2	< 1	36	< 0.01	3	< 2	< 10	4	< 10	1	13	
V841336	0.77	0.041	0.044	1.61	< 2	< 1	41	< 0.01	2	< 2	< 10	5	< 10	2	10	
V841337	1.03	0.039	0.035	3.29	20	< 1	41	< 0.01	5	< 2	< 10	5	< 10	2	14	
V841338	0.85	0.048	0.043	2.15	2	< 1	47	< 0.01	< 1	< 2	< 10	4	< 10	1	11	
V841339	1.03	0.047	0.040	2.17	< 2	< 1	45	< 0.01	< 1	< 2	< 10	5	< 10	1	9	
V841340	1.06	0.038	0.041	1.94	3	< 1	38	< 0.01	1	< 2	< 10	4	< 10	2	11	
V841401	1.36	0.055	0.050	1.39	< 2	< 1	77	< 0.01	< 1	< 2	< 10	7	< 10	2	6	
V841402	1.27	0.045	0.052	1.76	2	< 1	56	< 0.01	1	< 2	< 10	6	< 10	2	9	
V841403	1.49	0.055	0.046	1.40	< 2	< 1	68	< 0.01	3	< 2	< 10	8	< 10	2	6	
V841404	1.46	0.052	0.041	1.48	2	< 1	65	< 0.01	1	< 2	< 10	6	< 10	1	8	
V841405	1.32	0.048	0.043	1.31	2	< 1	58	< 0.01	2	< 2	< 10	6	< 10	1	7	
B19-2552-5 DP	1.37	0.049	0.044	1.40	2	< 1	60	< 0.01	< 1	< 2	< 10	6	< 10	2	8	
V841425	0.46	0.180	0.049	0.04	2	3	52	0.33	5	< 2	< 10	62	< 10	18	21	
V841430	1.45	0.015	0.007	< 0.01	< 2	< 1	56	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1	
V814406	1.29	0.056	0.039	1.64	2	< 1	63	< 0.01	< 1	< 2	< 10	7	< 10	2	9	
V841407	1.19	0.052	0.040	1.78	< 2	< 1	60	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
V841408	0.97	0.041	0.034	2.07	6	< 1	46	< 0.01	< 1	< 2	< 10	4	< 10	2	12	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
V841409	1.05	0.022	0.043	2.35	17	< 1	37	< 0.01	< 1	< 2	< 10	2	< 10	2	9	
V841410	1.12	0.042	0.045	2.17	4	< 1	52	< 0.01	< 1	< 2	< 10	6	< 10	2	10	
V841411	1.11	0.042	0.050	2.26	4	< 1	51	< 0.01	< 1	< 2	< 10	5	< 10	2	8	
V841412	0.84	0.039	0.052	2.69	2	< 1	41	< 0.01	< 1	< 2	< 10	5	< 10	2	14	
V841413	1.04	0.042	0.049	2.43	3	< 1	47	< 0.01	< 1	< 2	< 10	5	< 10	2	13	
V841414	1.30	0.040	0.050	1.85	2	< 1	53	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
V841415	1.20	0.028	0.048	2.12	< 2	< 1	45	< 0.01	< 1	< 2	< 10	3	< 10	2	10	
V841416	1.07	0.052	0.042	1.97	2	< 1	61	< 0.01	2	< 2	< 10	6	< 10	2	10	
V841417	1.17	0.030	0.041	1.89	< 2	< 1	35	< 0.01	1	< 2	< 10	5	< 10	1	7	
V841418	0.83	0.048	0.038	2.15	3	< 1	41	< 0.01	33	< 2	< 10	5	< 10	1	14	
V841701	1.22	0.040	0.036	1.96	3	< 1	54	< 0.01	2	< 2	< 10	5	< 10	2	10	
V841702	1.47	0.053	0.042	1.58	3	< 1	63	< 0.01	3	< 2	< 10	7	< 10	1	10	
V841703	1.31	0.032	0.038	1.51	< 2	< 1	40	< 0.01	1	< 2	< 10	5	< 10	1	8	
V841704	1.19	0.031	0.039	1.39	3	< 1	38	< 0.01	< 1	< 2	< 10	5	< 10	1	7	
V841705	1.30	0.030	0.039	1.57	< 2	< 1	41	< 0.01	6	< 2	< 10	4	< 10	2	8	
B19-2591-5 DP	1.30	0.057	0.039	1.58	< 2	< 1	63	< 0.01	2	< 2	< 10	7	< 10	2	10	
V841725	0.13	0.165	0.032	0.02	< 2	1	25	0.31	5	< 2	< 10	39	< 10	8	22	
V841710	1.16	0.017	0.008	< 0.01	< 2	< 1	58	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1	
V841706	0.93	0.041	0.034	2.08	7	< 1	48	< 0.01	1	< 2	< 10	5	< 10	2	11	
V841707	1.22	0.042	0.039	2.03	3	< 1	53	< 0.01	< 1	< 2	< 10	5	< 10	2	11	
V841708	1.31	0.047	0.048	2.05	3	< 1	57	< 0.01	< 1	< 2	< 10	6	< 10	2	9	
V841709	1.26	0.040	0.050	1.91	< 2	< 1	51	< 0.01	< 1	< 2	< 10	5	< 10	2	6	
V841711	1.13	0.048	0.050	2.14	< 2	< 1	58	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
V841712	1.02	0.050	0.049	2.16	< 2	< 1	61	< 0.01	< 1	< 2	< 10	6	< 10	2	7	
V841713	1.17	0.052	0.051	1.79	< 2	< 1	66	< 0.01	< 1	< 2	< 10	6	< 10	2	5	
V841714	1.29	0.052	0.044	1.54	< 2	< 1	65	< 0.01	2	< 2	< 10	6	< 10	2	6	
V841715	1.04	0.046	0.041	1.73	< 2	< 1	55	< 0.01	2	< 2	< 10	6	< 10	2	11	
V841716	1.31	0.050	0.040	1.51	< 2	< 1	59	< 0.01	< 1	< 2	< 10	7	< 10	2	10	
V841717	1.11	0.053	0.046	1.38	< 2	< 1	59	< 0.01	2	< 2	< 10	7	< 10	2	8	
V841718	0.97	0.043	0.035	1.29	< 2	< 1	40	< 0.01	4	< 2	< 10	5	< 10	1	9	
V841719	1.11	0.038	0.040	2.01	13	< 1	43	< 0.01	5	< 2	< 10	5	< 10	2	8	
V841663	0.77	0.037	0.039	1.13	< 2	< 1	32	< 0.01	< 1	< 2	< 10	4	< 10	1	5	
V841664	0.82	0.034	0.038	1.24	< 2	< 1	30	< 0.01	< 1	< 2	< 10	4	< 10	1	7	
V841665	0.93	0.036	0.039	1.15	< 2	< 1	30	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
V841666	0.66	0.032	0.038	2.04	< 2	< 1	29	< 0.01	40	< 2	< 10	4	< 10	2	10	
V841667	0.99	0.032	0.036	2.20	6	< 1	33	< 0.01	< 1	< 2	< 10	4	< 10	2	8	
B19-2526-5 DP	1.00	0.031	0.036	2.11	5	< 1	33	< 0.01	< 1	< 2	< 10	4	< 10	2	8	
V841668	0.92	0.033	0.039	2.27	6	< 1	31	< 0.01	3	< 2	< 10	4	< 10	1	9	
V841669	1.09	0.033	0.039	2.16	7	< 1	34	< 0.01	3	< 2	< 10	4	< 10	2	9	
V841671	0.57	0.032	0.042	2.33	7	< 1	24	< 0.01	4	< 2	< 10	4	< 10	1	14	
V841672	1.29	0.035	0.034	2.65	6	< 1	50	< 0.01	2	< 2	< 10	4	< 10	3	9	
V841673	1.43	0.047	0.039	1.65	< 2	< 1	53	< 0.01	1	< 2	< 10	5	< 10	3	6	
V841674	1.16	0.044	0.040	2.72	4	< 1	46	< 0.01	2	< 2	< 10	5	< 10	2	8	
V841676	0.97	0.037	0.039	2.42	4	< 1	39	< 0.01	< 1	< 2	< 10	4	< 10	2	10	
V841677	0.72	0.037	0.042	2.41	< 2	< 1	30	< 0.01	< 1	< 2	< 10	4	< 10	1	10	
V841101	0.11	0.019	0.046	0.22	< 2	2	12	< 0.01	< 1	< 2	< 10	10	< 10	1	1	
V841102	0.07	0.017	0.047	0.22	< 2	2	14	< 0.01	< 1	< 2	< 10	9	< 10	1	< 1	
V841103	0.06	0.020	0.047	0.49	< 2	1	13	< 0.01	< 1	< 2	< 10	8	< 10	1	1	
V841104	0.10	0.020	0.046	0.82	< 2	2	12	< 0.01	< 1	< 2	< 10	10	< 10	1	2	
V841105	0.33	0.050	0.053	0.60	< 2	< 1	30	< 0.01	5	< 2	< 10	7	< 10	2	1	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
B19-2468-5 DP	0.30	0.045	0.051	0.63	< 2	< 1	27	< 0.01	4	< 2	< 10	7	< 10	2	3	
V841106	1.29	0.096	0.049	0.99	< 2	1	96	< 0.01	< 1	< 2	< 10	11	< 10	2	4	
V841107	1.29	0.091	0.049	0.90	< 2	1	93	< 0.01	< 1	< 2	< 10	9	< 10	2	4	
V841108	1.29	0.068	0.051	0.88	< 2	< 1	76	< 0.01	< 1	< 2	< 10	8	< 10	2	3	
V841109	1.12	0.056	0.063	0.98	< 2	< 1	71	< 0.01	< 1	< 2	< 10	7	< 10	2	2	
V841110	1.46	0.069	0.050	0.87	< 2	1	76	< 0.01	< 1	< 2	< 10	10	< 10	3	3	
V841111	1.49	0.065	0.045	0.81	< 2	1	70	< 0.01	< 1	< 2	< 10	10	< 10	2	3	
V841112	1.43	0.057	0.037	1.22	< 2	< 1	64	< 0.01	< 1	< 2	< 10	7	< 10	2	6	
V857281	1.23	0.019	0.007	0.02	< 2	< 1	55	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1	
V841113	1.33	0.049	0.040	1.47	< 2	< 1	53	< 0.01	1	< 2	< 10	6	< 10	2	6	
V841114	1.11	0.043	0.040	1.52	< 2	< 1	39	< 0.01	4	< 2	< 10	7	< 10	1	10	
V841115	1.46	0.043	0.041	1.16	< 2	< 1	40	< 0.01	4	< 2	< 10	8	< 10	1	8	
V841116	1.57	0.034	0.041	1.50	2	< 1	31	< 0.01	2	< 2	< 10	7	< 10	1	9	
B19-2469-5 DP	1.35	0.047	0.044	1.83	2	< 1	46	< 0.01	< 1	< 2	< 10	7	< 10	2	10	
V841117	1.35	0.045	0.041	1.88	< 2	< 1	46	< 0.01	5	< 2	< 10	7	< 10	2	10	
V841118	1.14	0.043	0.045	1.56	2	< 1	45	< 0.01	4	< 2	< 10	6	< 10	2	8	
V841119	1.25	0.042	0.041	1.52	< 2	< 1	44	< 0.01	< 1	< 2	< 10	7	< 10	1	7	
V841120	1.31	0.045	0.039	1.95	6	< 1	48	< 0.01	3	< 2	< 10	7	< 10	1	7	
V841121	1.16	0.045	0.038	2.19	6	< 1	47	< 0.01	< 1	< 2	< 10	6	< 10	1	8	
V841122	1.01	0.042	0.039	2.49	5	< 1	41	< 0.01	3	< 2	< 10	6	< 10	1	8	
V841123	0.97	0.044	0.038	2.43	7	< 1	40	< 0.01	< 1	< 2	< 10	6	< 10	1	8	
V841124	1.15	0.044	0.036	2.09	7	< 1	45	< 0.01	3	< 2	< 10	6	< 10	2	7	
V841125	0.55	0.263	0.059	0.06	3	4	41	0.48	7	< 2	< 10	100	< 10	17	22	
V841271	1.65	0.032	0.041	1.75	3	< 1	46	< 0.01	< 1	< 2	< 10	6	< 10	2	9	
V841272	1.55	0.035	0.040	1.86	< 2	< 1	47	< 0.01	4	< 2	< 10	6	< 10	2	13	
V841273	1.29	0.039	0.041	1.50	< 2	< 1	51	< 0.01	1	< 2	< 10	6	< 10	1	10	
V841274	0.60	0.035	0.054	1.14	< 2	< 1	34	< 0.01	< 1	< 2	< 10	4	< 10	1	7	
V841275	0.56	0.264	0.061	0.06	< 2	4	40	0.48	5	< 2	< 10	101	< 10	17	23	
B19-2527-5 DP	1.13	0.040	0.044	1.11	< 2	< 1	49	< 0.01	2	< 2	< 10	4	< 10	2	6	
V841276	1.05	0.040	0.045	1.01	< 2	< 1	47	< 0.01	< 1	< 2	< 10	4	< 10	2	5	
V841277	0.81	0.037	0.038	1.21	< 2	< 1	34	< 0.01	3	< 2	< 10	5	< 10	1	9	
V841278	0.88	0.039	0.038	1.35	< 2	< 1	36	< 0.01	< 1	< 2	< 10	5	< 10	1	9	21.6
V841279	0.90	0.031	0.037	2.21	< 2	< 1	36	< 0.01	29	< 2	< 10	3	< 10	2	9	
V841280	0.32	0.034	0.051	2.24	11	< 1	27	< 0.01	36	< 2	< 10	4	< 10	1	10	
V841281	0.11	0.031	0.030	2.40	20	< 1	15	< 0.01	3	< 2	< 10	4	< 10	1	16	
V841282	0.57	0.038	0.041	2.58	10	< 1	33	< 0.01	< 1	< 2	< 10	5	< 10	1	11	
V841283	0.83	0.036	0.038	2.48	33	< 1	36	< 0.01	1	< 2	< 10	5	< 10	2	12	
V841284	0.39	0.033	0.035	2.41	37	< 1	27	< 0.01	7	< 2	< 10	4	< 10	1	14	
V841285	0.57	0.035	0.040	2.08	6	< 1	31	< 0.01	8	< 2	< 10	4	< 10	1	15	
V841286	0.80	0.036	0.039	2.05	2	< 1	37	< 0.01	4	< 2	< 10	4	< 10	2	15	
V841287	0.74	0.035	0.037	2.31	4	< 1	41	< 0.01	5	< 2	< 10	5	< 10	2	14	
V841288	0.93	0.035	0.039	2.15	< 2	< 1	44	< 0.01	3	< 2	< 10	4	< 10	2	13	
V841289	1.07	0.045	0.043	1.93	2	< 1	52	< 0.01	< 1	< 2	< 10	5	< 10	2	11	
V841290	1.63	0.038	0.038	2.36	4	< 1	55	< 0.01	1	< 2	< 10	5	< 10	2	10	
V841301	1.34	0.083	0.052	1.51	< 2	< 1	92	< 0.01	< 1	< 2	< 10	10	< 10	1	6	
V841302	1.41	0.077	0.051	1.65	< 2	< 1	104	< 0.01	3	< 2	< 10	8	< 10	2	5	
V841303	1.26	0.072	0.052	1.47	< 2	< 1	102	< 0.01	2	< 2	< 10	7	< 10	2	4	
V841304	1.21	0.065	0.049	1.29	< 2	< 1	100	< 0.01	1	< 2	< 10	7	< 10	2	7	
V841305	1.34	0.065	0.051	1.30	2	< 1	91	< 0.01	< 1	< 2	< 10	7	< 10	2	6	
B19-2539-5 DP	1.39	0.067	0.050	1.23	< 2	< 1	93	< 0.01	5	< 2	< 10	7	< 10	3	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
V841306	1.40	0.066	0.050	1.08	2	< 1	78	< 0.01	2	< 2	< 10	10	< 10	2	6	
V841307	1.34	0.065	0.047	1.30	2	< 1	71	< 0.01	< 1	< 2	< 10	9	< 10	2	7	
V841308	1.30	0.064	0.043	1.33	< 2	< 1	70	< 0.01	< 1	< 2	< 10	7	< 10	2	6	
V841309	1.36	0.050	0.040	1.48	2	< 1	63	< 0.01	< 1	< 2	< 10	6	< 10	1	6	
V841310	1.30	0.017	0.007	< 0.01	< 2	< 1	55	< 0.01	1	< 2	< 10	< 1	< 10	2	< 1	
V841311	1.24	0.055	0.037	1.56	< 2	< 1	62	< 0.01	2	< 2	< 10	6	< 10	2	10	
V841312	1.16	0.033	0.037	1.71	2	< 1	47	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841313	1.44	0.029	0.038	2.26	5	< 1	60	< 0.01	< 1	< 2	< 10	3	< 10	2	9	
V841314	1.30	0.028	0.039	2.08	5	< 1	42	< 0.01	< 1	< 2	< 10	3	< 10	2	9	
V841315	1.24	0.030	0.038	2.02	< 2	< 1	41	< 0.01	< 1	< 2	< 10	4	< 10	2	10	
V841316	0.63	0.029	0.039	2.58	7	< 1	27	< 0.01	< 1	< 2	< 10	3	< 10	2	13	
V841317	1.15	0.029	0.045	2.28	4	< 1	38	< 0.01	< 1	< 2	< 10	3	< 10	2	7	
V841318	0.88	0.026	0.046	2.27	3	< 1	31	< 0.01	< 1	< 2	< 10	3	< 10	2	12	
V841319	1.58	0.035	0.041	1.47	4	< 1	39	< 0.01	4	< 2	< 10	7	< 10	1	9	
V841320	1.46	0.037	0.047	1.73	< 2	< 1	48	< 0.01	< 1	< 2	< 10	6	< 10	2	8	
V841151	0.07	0.017	0.047	0.27	< 2	2	10	< 0.01	< 1	< 2	< 10	9	< 10	< 1	1	
V841152	0.06	0.020	0.054	0.26	< 2	2	12	< 0.01	< 1	< 2	< 10	8	< 10	1	1	
V841153	0.06	0.017	0.047	0.57	< 2	2	13	< 0.01	< 1	< 2	< 10	8	< 10	1	3	
V841154	0.13	0.031	0.057	2.88	2	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	2	6	
V841155	1.04	0.069	0.051	0.71	< 2	1	56	< 0.01	< 1	< 2	< 10	10	< 10	1	4	
B19-2487-5 DP	1.04	0.064	0.050	0.65	< 2	< 1	55	< 0.01	< 1	< 2	< 10	10	< 10	1	4	
V841156	1.42	0.057	0.045	0.58	< 2	1	78	< 0.01	< 1	< 2	< 10	6	< 10	2	3	
V841157	1.37	0.059	0.049	0.79	< 2	< 1	75	< 0.01	< 1	< 2	< 10	7	< 10	2	4	
V841158	1.61	0.059	0.054	0.99	< 2	1	66	< 0.01	2	< 2	< 10	9	< 10	1	3	
V841159	1.41	0.055	0.051	0.96	< 2	< 1	66	< 0.01	1	< 2	< 10	9	< 10	2	5	
V841160	1.44	0.054	0.051	0.98	< 2	< 1	60	< 0.01	< 1	< 2	< 10	9	< 10	2	4	
V841161	1.63	0.049	0.044	0.70	2	< 1	61	< 0.01	2	< 2	< 10	9	< 10	1	5	
V841162	1.69	0.043	0.039	0.82	< 2	< 1	55	< 0.01	< 1	< 2	< 10	8	< 10	1	6	
V841163	1.48	0.040	0.053	1.81	< 2	< 1	53	< 0.01	< 1	< 2	< 10	5	< 10	1	6	
V841164	1.52	0.035	0.041	1.35	< 2	< 1	42	< 0.01	3	< 2	< 10	6	< 10	1	7	
V841165	1.56	0.029	0.040	1.14	3	< 1	33	< 0.01	3	< 2	< 10	7	< 10	1	7	
V841166	1.47	0.026	0.037	2.01	9	< 1	33	< 0.01	< 1	< 2	< 10	5	< 10	2	10	
V841167	1.38	0.032	0.041	1.64	2	< 1	37	< 0.01	< 1	< 2	< 10	5	< 10	2	6	
V841168	1.10	0.031	0.039	2.03	6	< 1	35	< 0.01	1	< 2	< 10	3	< 10	2	7	
V841169	1.24	0.041	0.041	1.56	< 2	< 1	43	< 0.01	< 1	< 2	< 10	6	< 10	2	6	
V841170	1.23	0.041	0.041	1.85	4	< 1	40	< 0.01	< 1	< 2	< 10	7	< 10	1	7	
V841171	1.21	0.039	0.039	2.11	5	< 1	44	< 0.01	< 1	< 2	< 10	5	< 10	1	7	
V841172	1.09	0.035	0.039	2.45	6	< 1	39	< 0.01	< 1	< 2	< 10	5	< 10	1	7	
V841173	1.06	0.036	0.040	2.31	3	< 1	37	< 0.01	< 1	< 2	< 10	4	< 10	1	7	
B19-2488-5 DP	1.06	0.038	0.039	2.09	5	< 1	39	< 0.01	< 1	< 2	< 10	5	< 10	1	6	
V841174	1.10	0.038	0.041	2.25	4	< 1	40	< 0.01	2	< 2	< 10	5	< 10	1	7	
V841175	0.48	0.184	0.049	0.05	< 2	3	53	0.32	4	< 2	< 10	63	< 10	19	17	
V841176	0.67	0.033	0.039	2.30	< 2	< 1	30	< 0.01	< 1	< 2	< 10	3	< 10	2	8	
V841177	0.98	0.058	0.037	1.08	< 2	< 1	49	< 0.01	< 1	< 2	< 10	6	< 10	1	5	
V841178	0.85	0.057	0.038	0.96	< 2	< 1	50	< 0.01	5	< 2	< 10	6	< 10	1	6	
V841179	1.02	0.051	0.037	1.23	< 2	< 1	47	< 0.01	< 1	< 2	< 10	6	< 10	1	7	
V841180	1.17	0.047	0.039	2.11	< 2	< 1	49	< 0.01	2	< 2	< 10	6	< 10	2	8	
V841181	1.20	0.052	0.041	2.18	< 2	< 1	51	< 0.01	< 1	< 2	< 10	6	< 10	1	7	
V841182	1.15	0.048	0.040	2.21	5	< 1	48	< 0.01	4	< 2	< 10	6	< 10	2	7	
V841183	1.19	0.051	0.041	2.29	5	< 1	51	< 0.01	6	< 2	< 10	7	< 10	2	8	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
V841184	1.13	0.051	0.040	1.74	< 2	< 1	49	< 0.01	2	< 2	< 10	6	< 10	2	8	
V841185	1.11	0.053	0.041	2.37	7	< 1	50	< 0.01	1	< 2	< 10	6	< 10	2	9	
V841201	0.03	0.028	0.033	0.60	< 2	< 1	18	< 0.01	1	< 2	< 10	4	< 10	1	5	
V841202	0.02	0.022	0.047	0.31	< 2	< 1	17	< 0.01	< 1	< 2	< 10	3	< 10	1	2	
V841203	0.11	0.023	0.054	0.16	< 2	2	16	< 0.01	< 1	< 2	< 10	9	< 10	1	< 1	
V841204	0.19	0.032	0.049	0.31	< 2	2	14	< 0.01	< 1	< 2	< 10	12	< 10	1	< 1	
V841205	0.33	0.068	0.048	0.50	< 2	1	44	< 0.01	< 1	< 2	< 10	10	< 10	1	1	
B19-2512-5 DP	0.30	0.075	0.049	0.49	< 2	1	46	< 0.01	3	< 2	< 10	10	< 10	2	1	
V841206	1.44	0.097	0.048	0.84	< 2	1	111	< 0.01	< 1	< 2	< 10	10	< 10	1	3	
V841207	1.58	0.096	0.045	0.91	< 2	1	103	< 0.01	< 1	< 2	< 10	9	< 10	2	3	
V841208	1.21	0.098	0.045	1.44	2	1	101	< 0.01	< 1	< 2	< 10	7	< 10	2	4	
V841209	1.19	0.103	0.046	1.12	2	1	127	< 0.01	< 1	< 2	< 10	8	< 10	2	3	
V841210	1.19	0.084	0.051	1.25	3	1	114	< 0.01	< 1	< 2	< 10	9	< 10	2	3	
V841211	1.20	0.075	0.051	1.28	< 2	1	104	< 0.01	< 1	< 2	< 10	7	< 10	2	4	
V841212	1.37	0.075	0.046	1.26	3	1	96	< 0.01	1	2	< 10	8	< 10	2	3	
V841213	1.26	0.073	0.041	1.26	3	< 1	85	< 0.01	< 1	< 2	< 10	8	< 10	1	5	
V841214	1.23	0.063	0.037	1.56	< 2	< 1	73	< 0.01	< 1	< 2	< 10	7	< 10	1	8	
V841215	1.46	0.063	0.036	1.24	< 2	< 1	70	< 0.01	< 1	< 2	< 10	7	< 10	2	6	
V841216	1.24	0.057	0.039	1.26	< 2	< 1	65	< 0.01	< 1	< 2	< 10	7	< 10	1	8	
V841217	1.03	0.044	0.038	1.85	2	< 1	52	< 0.01	< 1	< 2	< 10	5	< 10	2	10	
V841218	1.38	0.040	0.168	2.51	2	2	81	< 0.01	< 1	< 2	< 10	9	< 10	5	2	
V841219	1.51	0.032	0.096	1.68	3	1	58	< 0.01	< 1	< 2	< 10	8	< 10	3	1	
V841220	1.64	0.038	0.046	1.76	< 2	< 1	45	< 0.01	< 1	< 2	< 10	7	< 10	2	6	
V841221	1.74	0.041	0.039	1.92	< 2	< 1	48	< 0.01	< 1	< 2	< 10	7	< 10	2	8	
V841222	1.47	0.044	0.040	2.02	5	< 1	67	< 0.01	< 1	< 2	< 10	6	< 10	2	7	
V841223	0.91	0.041	0.030	2.29	13	< 1	66	< 0.01	4	< 2	< 10	5	< 10	1	8	
V841224	0.73	0.039	0.033	1.47	< 2	< 1	35	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841091	0.56	0.253	0.060	0.06	< 2	4	40	0.47	< 1	< 2	< 10	100	< 10	17	18	
B19-2513-5 DP	0.95	0.044	0.038	0.87	< 2	< 1	45	< 0.01	< 1	< 2	< 10	5	< 10	2	5	
V841226	0.93	0.046	0.037	0.85	< 2	< 1	44	< 0.01	< 1	< 2	< 10	5	< 10	2	7	
V841227	0.80	0.045	0.038	0.81	< 2	< 1	42	< 0.01	< 1	< 2	< 10	5	< 10	1	6	
V841228	0.79	0.044	0.041	0.87	< 2	< 1	45	< 0.01	< 1	< 2	< 10	5	< 10	2	4	
V841229	0.78	0.048	0.037	1.09	< 2	< 1	45	< 0.01	6	< 2	< 10	5	< 10	1	6	
V841230	1.25	0.019	0.007	< 0.01	< 2	< 1	58	< 0.01	< 1	2	< 10	< 1	< 10	2	< 1	
V841231	1.00	0.049	0.038	0.97	< 2	< 1	50	< 0.01	< 1	< 2	< 10	5	< 10	1	6	
V841232	1.87	0.037	0.333	1.85	2	3	89	< 0.01	< 1	< 2	< 10	30	< 10	7	2	
V841233	1.02	0.040	0.040	2.15	< 2	< 1	46	< 0.01	< 1	< 2	< 10	6	< 10	2	10	
V841234	1.27	0.039	0.041	1.98	< 2	< 1	56	< 0.01	< 1	< 2	< 10	5	< 10	2	9	
V841235	1.27	0.040	0.042	2.05	< 2	< 1	53	< 0.01	< 1	< 2	< 10	6	< 10	2	8	
V841236	1.18	0.036	0.039	1.97	< 2	< 1	47	< 0.01	< 1	< 2	< 10	5	< 10	2	8	
V841237	1.40	0.043	0.036	2.25	< 2	< 1	54	< 0.01	2	< 2	< 10	5	< 10	2	8	
V841238	1.18	0.045	0.041	2.28	9	< 1	52	< 0.01	3	< 2	< 10	6	< 10	2	10	
V841239	0.74	0.041	0.042	2.23	7	< 1	39	< 0.01	3	< 2	< 10	5	< 10	2	11	
V841240	0.91	0.038	0.038	1.98	< 2	< 1	39	< 0.01	< 1	< 2	< 10	5	< 10	3	11	
V841351	1.24	0.096	0.048	0.69	< 2	1	90	< 0.01	2	< 2	< 10	12	< 10	1	3	
V841352	1.56	0.096	0.047	0.53	< 2	1	120	< 0.01	2	< 2	< 10	8	< 10	2	2	
V841353	1.32	0.087	0.047	0.60	< 2	1	129	< 0.01	6	< 2	< 10	7	< 10	2	2	
V841354	1.34	0.076	0.047	1.22	4	1	88	< 0.01	2	< 2	< 10	7	< 10	2	3	
V841355	1.21	0.076	0.051	1.40	< 2	< 1	75	< 0.01	2	< 2	< 10	8	< 10	2	2	
B19-2551-5 DP	1.23	0.078	0.053	1.38	< 2	1	76	< 0.01	< 1	< 2	< 10	9	< 10	2	2	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
V841356	1.38	0.051	0.048	1.24	< 2	1	56	< 0.01	2	2	< 10	8	< 10	2	5	
V841357	1.52	0.044	0.043	0.77	2	< 1	54	< 0.01	< 1	< 2	< 10	7	< 10	1	4	
V841358	1.44	0.041	0.038	0.95	< 2	< 1	50	< 0.01	< 1	< 2	< 10	6	< 10	1	6	
V841359	1.42	0.040	0.038	0.97	< 2	< 1	49	< 0.01	4	< 2	< 10	6	< 10	1	5	
V841360	1.27	0.040	0.042	1.19	2	< 1	45	< 0.01	3	< 2	< 10	6	< 10	2	6	
V841361	1.31	0.037	0.037	1.50	< 2	< 1	39	< 0.01	2	< 2	< 10	6	< 10	1	7	
V841362	1.35	0.033	0.040	1.34	< 2	< 1	32	< 0.01	< 1	< 2	< 10	6	< 10	1	6	
V841375	0.13	0.145	0.031	0.02	< 2	1	22	0.30	2	< 2	< 10	38	< 10	8	20	
V841364	1.83	0.028	0.045	1.16	2	< 1	31	< 0.01	3	< 2	< 10	7	< 10	1	5	
V841365	1.71	0.037	0.039	1.21	2	< 1	33	< 0.01	3	< 2	< 10	8	< 10	1	9	
V841366	1.13	0.043	0.045	1.79	3	< 1	42	< 0.01	< 1	< 2	< 10	6	< 10	2	9	
V841367	1.22	0.041	0.041	1.89	7	< 1	48	< 0.01	< 1	< 2	< 10	6	< 10	2	8	
V841419	0.30	0.031	0.043	2.12	< 2	< 1	21	< 0.01	8	< 2	< 10	3	< 10	1	13	
V841420	0.11	0.026	0.037	2.37	19	< 1	11	< 0.01	4	< 2	< 10	3	< 10	1	13	
V841421	0.20	0.027	0.041	2.38	7	< 1	14	< 0.01	1	< 2	< 10	3	< 10	< 1	12	
V841422	0.51	0.027	0.037	2.40	5	< 1	23	< 0.01	2	< 2	< 10	4	< 10	< 1	8	
V841423	0.71	0.027	0.029	2.35	8	< 1	26	< 0.01	< 1	< 2	< 10	3	< 10	1	8	
B19-2573-5 DP	0.71	0.029	0.030	2.44	7	< 1	27	< 0.01	2	< 2	< 10	4	< 10	1	8	
V841424	0.69	0.026	0.033	2.28	9	< 1	24	< 0.01	3	< 2	< 10	3	< 10	1	8	
V841426	0.94	0.028	0.040	2.09	3	< 1	31	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841427	1.06	0.036	0.039	2.51	8	< 1	41	< 0.01	1	4	< 10	4	< 10	2	9	
V841428	1.30	0.034	0.038	2.00	3	< 1	42	< 0.01	3	< 2	< 10	5	< 10	2	8	
V841429	1.06	0.036	0.041	2.34	4	< 1	41	< 0.01	< 1	< 2	< 10	4	< 10	2	10	
V841431	0.99	0.034	0.041	2.42	4	< 1	37	< 0.01	4	< 2	< 10	5	< 10	2	9	
V841432	1.12	0.035	0.041	3.27	7	< 1	40	< 0.01	2	< 2	< 10	4	< 10	2	10	
V841433	0.77	0.032	0.042	2.45	3	< 1	31	< 0.01	1	< 2	< 10	4	< 10	1	12	
V841434	0.85	0.041	0.041	2.47	2	< 1	38	< 0.01	2	< 2	< 10	4	< 10	2	10	
V841435	0.96	0.042	0.040	2.10	< 2	< 1	40	< 0.01	< 1	< 2	< 10	4	< 10	2	10	
V841436	1.00	0.041	0.041	1.93	< 2	< 1	40	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841437	1.02	0.043	0.041	1.82	< 2	< 1	41	< 0.01	2	< 2	< 10	4	< 10	2	9	
V841438	1.13	0.036	0.042	1.90	< 2	< 1	37	< 0.01	< 1	< 2	< 10	4	< 10	2	7	
V841439	0.78	0.028	0.041	2.37	< 2	< 1	27	< 0.01	< 1	< 2	< 10	3	< 10	2	12	
V841440	1.07	0.028	0.040	1.87	< 2	< 1	36	< 0.01	2	< 2	< 10	3	< 10	2	8	
V841601	1.59	0.050	0.047	0.86	< 2	< 1	82	< 0.01	< 1	< 2	< 10	6	< 10	2	4	
V841602	1.46	0.056	0.049	0.99	< 2	< 1	76	< 0.01	2	< 2	< 10	7	< 10	2	5	
V841603	1.44	0.061	0.055	1.04	< 2	< 1	69	< 0.01	1	< 2	< 10	9	< 10	2	4	
V841604	1.49	0.045	0.045	1.11	< 2	< 1	61	< 0.01	< 1	< 2	< 10	7	< 10	2	4	
V841605	1.86	0.043	0.039	1.46	< 2	< 1	67	< 0.01	< 1	< 2	< 10	7	< 10	2	7	
B19-2590-5 DP	1.76	0.042	0.038	1.44	2	< 1	65	< 0.01	2	< 2	< 10	6	< 10	2	8	
V841625	0.12	0.146	0.031	0.02	< 2	1	22	0.30	3	< 2	< 10	38	< 10	8	20	
V841630	0.99	0.016	0.008	0.02	< 2	< 1	57	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1	
V841606	1.03	0.039	0.038	1.74	< 2	< 1	48	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841607	1.26	0.040	0.038	1.50	< 2	< 1	50	< 0.01	< 1	< 2	< 10	5	< 10	2	8	
V841608	1.24	0.040	0.037	1.66	2	< 1	53	< 0.01	< 1	< 2	< 10	5	< 10	2	9	
V841609	0.99	0.036	0.042	1.94	5	< 1	40	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841610	1.22	0.031	0.035	1.85	2	< 1	38	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841611	0.80	0.030	0.046	2.33	4	< 1	33	< 0.01	< 1	< 2	< 10	3	< 10	2	12	
V841612	1.24	0.030	0.041	2.18	4	< 1	43	< 0.01	< 1	< 2	< 10	4	< 10	2	6	
V841613	0.89	0.025	0.035	2.01	8	< 1	32	< 0.01	< 1	< 2	< 10	3	< 10	2	15	
V841614	1.31	0.032	0.041	1.92	4	< 1	38	< 0.01	< 1	< 2	< 10	5	< 10	2	9	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
V841615	1.23	0.034	0.041	1.90	2	< 1	42	< 0.01	< 1	< 2	< 10	5	< 10	2	9	
V841616	1.29	0.038	0.041	1.78	< 2	< 1	51	< 0.01	2	< 2	< 10	6	< 10	2	8	
V841617	0.77	0.032	0.037	1.96	4	< 1	29	< 0.01	< 1	< 2	< 10	4	< 10	1	9	
V841618	0.31	0.028	0.037	2.59	9	< 1	18	< 0.01	< 1	< 2	< 10	3	< 10	1	9	
V841720	1.20	0.028	0.036	2.19	5	< 1	47	< 0.01	< 1	< 2	< 10	4	< 10	1	8	
V841721	0.45	0.027	0.071	2.40	8	< 1	24	< 0.01	3	< 2	< 10	3	< 10	1	8	
V841722	0.29	0.024	0.019	2.43	8	< 1	15	< 0.01	4	< 2	< 10	2	< 10	< 1	11	
V841723	0.88	0.026	0.052	2.39	10	< 1	33	< 0.01	5	< 2	< 10	4	< 10	2	8	
V841724	0.37	0.024	0.024	2.78	30	< 1	17	< 0.01	< 1	< 2	< 10	2	< 10	< 1	8	
B19-2629-5 DP	0.39	0.025	0.025	2.90	29	< 1	17	< 0.01	< 1	< 2	< 10	2	< 10	1	8	
V841726	0.38	0.027	0.026	2.46	9	< 1	18	< 0.01	4	< 2	< 10	3	< 10	< 1	9	
V841727	0.42	0.028	0.031	2.83	10	< 1	21	< 0.01	3	< 2	< 10	3	< 10	< 1	11	
V841728	0.61	0.027	0.025	2.86	9	< 1	23	< 0.01	2	< 2	< 10	3	< 10	< 1	10	
V841729	1.00	0.034	0.042	2.17	5	< 1	44	< 0.01	4	< 2	< 10	4	< 10	1	9	
V841730	1.24	0.038	0.040	2.66	4	< 1	43	< 0.01	< 1	< 2	< 10	5	< 10	2	9	
V841731	0.69	0.037	0.060	2.59	8	< 1	33	< 0.01	< 1	< 2	< 10	4	< 10	1	10	
V841732	0.87	0.033	0.038	2.30	< 2	< 1	34	< 0.01	1	< 2	< 10	3	< 10	2	9	
V841733	0.73	0.030	0.041	2.04	10	< 1	26	< 0.01	< 1	< 2	< 10	3	< 10	2	10	
V841734	0.71	0.030	0.043	2.31	< 2	< 1	26	< 0.01	< 1	< 2	< 10	3	< 10	1	12	
V841735	0.87	0.031	0.041	2.10	< 2	< 1	30	< 0.01	< 1	< 2	< 10	3	< 10	1	12	
V841736	1.02	0.034	0.038	1.60	< 2	< 1	30	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841737	0.99	0.028	0.039	1.57	< 2	< 1	28	< 0.01	< 1	< 2	< 10	3	< 10	2	9	
V841738	0.86	0.029	0.038	1.57	< 2	< 1	27	< 0.01	< 1	< 2	< 10	3	< 10	1	8	
V841739	0.94	0.033	0.038	1.78	< 2	< 1	29	< 0.01	4	< 2	< 10	4	< 10	2	9	
V841740	0.97	0.030	0.040	1.31	< 2	< 1	30	< 0.01	3	< 2	< 10	4	< 10	2	8	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	72	1120	1	26	90	128	6.35	209	< 10	744	0.8	< 2	0.14	12	82	5.83	20	2	1.17	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	0.5	74	1100	< 1	24	93	130	6.49	230	< 10	760	0.8	< 2	0.14	12	84	6.11	20	< 1	1.19	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	75	1090	1	24	89	126	6.50	231	< 10	779	0.8	< 2	0.15	11	84	5.89	20	1	1.19	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	75	1070	1	23	91	124	6.43	239	< 10	782	0.8	< 2	0.14	9	83	6.13	20	2	1.20	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2300	804	< 1	34	64	268	2.66	6		78	0.8	8	0.43	18	48	5.28	< 10		0.52	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2250	793	< 1	33	58	264	2.59	9		77	0.8	3	0.42	18	47	5.11	< 10		0.51	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	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.1	< 0.5	2350	803	< 1	35	59	269	2.69	6		79	0.8	7	0.43	18	49	5.24	< 10		0.52	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	0.6	2360	802	< 1	35	53	268	2.70	6		86	0.8	7	0.43	16	49	5.31	< 10		0.55	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4370	906	1	32	77	356	2.59	8		47	0.7	21	0.43	19	44	5.89	< 10		0.43	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	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4710	919	< 1	31	75	347	2.66	6		55	0.7	16	0.43	20	45	6.21	< 10		0.45	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	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4710	914	< 1	34	81	350	2.72	8		52	0.7	12	0.43	20	45	6.17	< 10		0.45	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	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4710	920	< 1	33	77	360	2.74	10		61	0.7	20	0.44	21	46	6.29	< 10		0.47	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	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		11.4		> 10000				84	438						7		40						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Meas		11.6		> 10000				84	438						14		42						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.7		> 10000				86	438						13		42						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.4		> 10000				85	437						27		42						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
OREAS 220 (Fire Assay) Meas	875																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	856																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	878																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	869																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	891																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	875																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	861																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	883																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	892																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	891																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas		68.2	274	3530	559	13	25	> 5000	> 10000	1.60	75			0.6	< 2	1.72	28	32	3.33	10	5	0.39	20

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		71.3	281	3690	572	14	23	> 5000	> 10000	1.62	76			0.6	2	1.73	28	30	3.52	< 10	4	0.40	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.6	273	3630	553	13	26	> 5000	> 10000	1.62	77			0.6	3	1.70	27	34	3.38	10	3	0.40	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		71.8	283	3740	569	15	26	> 5000	> 10000	1.66	81			0.6	2	1.76	28	36	3.48	10	3	0.41	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas	3160																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3180																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3190																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3160																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2970																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3180																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3170																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3030																						
OREAS 238 (Fire Assay) Cert	3030																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Meas	3170																						
OREAS 238 (Fire Assay) Cert	3030																						
V841259 Orig	68																						
V841259 Dup	71																						
V841262 Orig		0.8	< 0.5	18	743	< 1	12	14	83	1.37	126	< 10	25	< 0.5	< 2	2.11	7	6	2.17	< 10	< 1	0.18	< 10
V841262 Dup		0.5	< 0.5	18	760	< 1	13	14	85	1.39	132	< 10	26	< 0.5	< 2	2.13	7	7	2.23	< 10	< 1	0.19	< 10
V841269 Orig	480																						
V841269 Dup	471																						
B19-2626-5 DP Orig		12.9	1.2	72	1810	3	7	103	352	1.02	43	< 10	12	< 0.5	< 2	1.65	6	4	2.52	< 10	< 1	0.26	< 10
B19-2626-5 DP Dup		13.2	1.2	72	1830	2	8	104	362	1.06	42	< 10	14	< 0.5	< 2	1.65	6	4	2.58	< 10	< 1	0.27	< 10
V841628 Orig	108																						
V841628 Dup	110																						
V841638 Orig		0.6	< 0.5	28	1250	< 1	7	17	144	0.81	10	< 10	14	< 0.5	< 2	2.01	6	3	2.05	< 10	< 1	0.17	11
V841638 Dup		0.8	< 0.5	28	1230	< 1	7	18	137	0.73	9	< 10	16	< 0.5	< 2	1.96	6	3	2.07	< 10	< 1	0.16	11
V841371 Orig	154																						
V841371 Dup	157																						
V841377 Split Orig PREP DUP	135	1.1	1.7	82	1240	3	9	59	492	1.24	12	< 10	20	< 0.5	< 2	1.86	7	4	2.34	< 10	< 1	0.14	10
V841377 Split PREP DUP	93	1.1	1.7	79	1220	3	9	57	502	1.27	12	< 10	25	< 0.5	< 2	1.84	6	4	2.33	< 10	< 1	0.15	10
V841373 Orig		0.2	1.2	30	1140	< 1	8	17	426	1.01	17	< 10	33	< 0.5	< 2	1.17	7	4	1.65	< 10	< 1	0.17	11
V841373 Dup		< 0.2	1.4	31	1130	< 1	6	15	457	0.99	19	< 10	29	< 0.5	< 2	1.15	7	4	1.65	< 10	< 1	0.17	10
V841374 Orig	155																						
V841374 Dup	131																						
V841657 Orig	1000																						
V841657 Dup	998																						
V841327 Orig		7.1	1.1	21	886	< 1	9	107	375	0.49	24	< 10	11	< 0.5	< 2	0.77	7	4	1.82	< 10	< 1	0.17	< 10
V841327 Dup		7.2	1.1	22	873	< 1	8	109	378	0.50	27	< 10	11	< 0.5	< 2	0.77	7	4	1.86	< 10	< 1	0.17	< 10
V841330 Orig	578																						
V841330 Dup	594																						
V841340 Orig	120																						
V841340 Dup	120																						
V841401 Orig		0.4	< 0.5	23	762	< 1	9	8	76	1.37	67	< 10	31	< 0.5	< 2	2.70	7	5	2.40	< 10	< 1	0.18	17
V841401 Dup		0.4	< 0.5	23	752	< 1	9	10	75	1.35	66	< 10	31	< 0.5	< 2	2.67	7	5	2.32	< 10	< 1	0.18	16
V841407 Orig	159																						
V841407 Dup	158																						
V841408 Split Orig PREP DUP	374	2.6	2.0	78	1140	< 1	10	43	602	0.73	106	< 10	18	< 0.5	< 2	1.76	7	5	2.13	< 10	< 1	0.21	11
V841408 Split PREP DUP	378	2.8	1.9	79	1160	< 1	11	46	609	0.74	107	< 10	20	< 0.5	< 2	1.78	7	5	2.17	< 10	< 1	0.22	11
V841410 Orig		2.4	0.8	58	1290	< 1	9	96	275	0.89	89	< 10	15	< 0.5	< 2	2.10	7	4	2.32	< 10	< 1	0.27	11
V841410 Dup		2.2	0.9	59	1290	< 1	10	97	273	0.84	89	< 10	17	< 0.5	< 2	2.08	7	4	2.30	< 10	< 1	0.26	11
V841703 Orig	229																						
V841703 Dup	231																						
B19-2591-5 DP Orig		0.8	< 0.5	24	1060	< 1	13	45	100	1.34	86	< 10	21	< 0.5	< 2	2.07	7	7	2.29	< 10	< 1	0.26	12
B19-2591-5 DP Dup		0.7	< 0.5	25	1050	< 1	15	44	98	1.31	82	< 10	33	< 0.5	< 2	2.04	7	7	2.25	< 10	< 1	0.26	12
V841711 Orig	540																						
V841711 Dup	487																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841663 Orig		1.2	5.7	135	1840	< 1	7	192	1570	0.97	30	< 10	25	< 0.5	< 2	1.62	6	5	1.74	< 10	< 1	0.19	11
V841663 Dup		0.8	5.6	136	1830	< 1	7	196	1550	0.95	30	< 10	22	< 0.5	< 2	1.61	6	5	1.72	< 10	< 1	0.19	10
V841664 Orig	797																						
V841664 Dup	773																						
V841101 Orig		< 0.2	< 0.5	22	218	1	12	< 2	18	0.94	36	< 10	< 10	< 0.5	< 2	0.11	10	17	1.08	< 10	< 1	< 0.01	15
V841101 Dup		< 0.2	< 0.5	21	213	1	11	< 2	18	0.91	34	< 10	< 10	< 0.5	< 2	0.11	10	18	1.05	< 10	< 1	< 0.01	14
V841103 Orig	6																						
V841103 Dup	6																						
V841105 Split Orig PREP DUP	123	0.4	< 0.5	14	179	< 1	10	< 2	43	1.09	348	< 10	28	< 0.5	< 2	0.15	9	9	1.43	< 10	< 1	0.13	15
V841105 Split PREP DUP	122	0.3	< 0.5	13	165	< 1	10	< 2	42	0.98	332	< 10	28	< 0.5	< 2	0.14	8	8	1.39	< 10	< 1	0.12	14
V841111 Orig	193																						
V841111 Dup	200																						
V841112 Orig		0.5	< 0.5	15	835	< 1	13	16	129	1.52	275	< 10	24	< 0.5	< 2	2.17	7	8	2.33	< 10	< 1	0.16	< 10
V841112 Dup		0.4	< 0.5	15	814	< 1	13	18	130	1.47	262	< 10	24	< 0.5	< 2	2.12	7	8	2.25	< 10	< 1	0.15	< 10
V841119 Orig	129																						
V841119 Dup	148																						
V841124 Orig		2.0	1.0	75	1490	2	8	48	304	1.29	36	< 10	18	< 0.5	< 2	2.13	6	5	2.40	< 10	< 1	0.17	< 10
V841124 Dup		2.1	1.0	76	1460	2	9	47	294	1.29	35	< 10	18	< 0.5	< 2	2.08	6	5	2.36	< 10	< 1	0.17	< 10
V841278 Orig	> 5000																						
V841278 Dup	> 5000																						
V841288 Orig	261																						
V841288 Dup	256																						
V841301 Orig		1.9	< 0.5	16	351	< 1	12	9	97	1.97	40	< 10	27	< 0.5	< 2	1.77	7	10	2.48	< 10	< 1	0.16	12
V841301 Dup		1.9	< 0.5	16	347	< 1	11	9	97	1.89	40	< 10	27	< 0.5	< 2	1.76	7	10	2.45	< 10	< 1	0.15	12
B19-2539-5 DP Split Orig PREP DUP	76	0.9	< 0.5	39	705	< 1	10	16	145	1.25	104	< 10	33	< 0.5	< 2	2.57	7	5	2.30	< 10	< 1	0.20	14
B19-2539-5 DP Split PREP DUP	70	0.9	< 0.5	38	713	< 1	10	16	145	1.27	104	< 10	35	< 0.5	< 2	2.58	7	5	2.37	< 10	< 1	0.20	14
V841306 Orig	118																						
V841306 Dup	130																						
V841313 Orig		4.2	1.4	66	1640	< 1	12	74	424	0.58	111	< 10	15	< 0.5	< 2	2.66	7	3	2.26	< 10	< 1	0.12	< 10
V841313 Dup		4.1	1.6	66	1690	< 1	12	82	484	0.59	109	< 10	16	< 0.5	< 2	2.68	7	3	2.37	< 10	< 1	0.12	< 10
V841151 Orig	< 5																						
V841151 Dup	< 5																						
B19-2487-5 DP Orig		0.4	< 0.5	31	407	< 1	12	4	148	1.58	59	< 10	28	< 0.5	< 2	0.94	8	8	2.22	< 10	< 1	0.11	13
B19-2487-5 DP Dup		0.4	< 0.5	30	395	< 1	10	4	145	1.48	51	< 10	26	< 0.5	< 2	0.91	8	8	2.10	< 10	< 1	0.10	13
V841160 Orig	61																						
V841160 Dup	51																						
V841169 Orig		0.7	< 0.5	48	1120	2	9	15	112	1.26	34	< 10	21	< 0.5	< 2	1.92	7	6	2.14	< 10	< 1	0.12	11
V841169 Dup		0.7	< 0.5	47	1130	3	9	14	108	1.26	33	< 10	21	< 0.5	< 2	1.90	6	9	2.13	< 10	< 1	0.12	11
V841170 Orig	94																						
V841170 Dup	89																						
V841182 Orig	123																						
V841182 Dup	127																						
V841183 Split Orig PREP DUP	190	3.0	1.3	72	975	3	11	28	376	1.43	37	< 10	13	< 0.5	< 2	2.15	8	5	2.35	< 10	< 1	0.24	< 10
V841183 Split PREP DUP	202	3.2	1.3	70	963	3	12	26	379	1.41	35	< 10	14	< 0.5	< 2	2.11	8	5	2.36	< 10	< 1	0.24	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V841183 Split PREP DUP		3.2	1.3	70	963	3	12	26	379	1.41	35	< 10	14	< 0.5	< 2	2.11	8	5	2.36	< 10	< 1	0.24	< 10
V841207 Orig	246																						
V841207 Dup	183																						
V841211 Orig		0.7	< 0.5	22	460	< 1	10	7	57	1.23	58	< 10	33	< 0.5	< 2	2.35	7	5	2.21	< 10	< 1	0.26	13
V841211 Dup		0.7	< 0.5	22	461	< 1	10	7	57	1.19	57	< 10	27	< 0.5	< 2	2.37	7	5	2.19	< 10	< 1	0.25	13
V841217 Orig	2600																						
V841217 Dup	2400																						
V841224 Orig		1.4	3.1	139	1030	4	8	203	907	0.92	23	< 10	16	< 0.5	< 2	1.29	7	5	1.82	< 10	< 1	0.25	< 10
V841224 Dup		1.5	2.9	134	1010	4	10	205	860	0.91	25	< 10	22	< 0.5	< 2	1.28	7	6	1.79	< 10	< 1	0.25	< 10
V841231 Orig	209																						
V841231 Dup	210																						
V841237 Orig		0.7	< 0.5	52	1150	2	8	12	110	1.12	15	< 10	15	< 0.5	< 2	2.21	6	5	2.38	< 10	< 1	0.21	< 10
V841237 Dup		0.7	< 0.5	52	1160	2	9	12	113	1.14	16	< 10	19	< 0.5	< 2	2.22	6	5	2.43	< 10	< 1	0.21	< 10
V841351 Orig	121																						
V841351 Dup	109																						
B19-2551-5 DP Split Orig PREP DUP	88	1.3	< 0.5	36	516	< 1	11	11	69	1.56	71	< 10	19	< 0.5	2	1.95	8	6	2.46	< 10	< 1	0.17	11
B19-2551-5 DP Split PREP DUP	89	1.3	< 0.5	40	521	< 1	11	9	71	1.60	73	< 10	23	< 0.5	< 2	1.97	8	6	2.49	< 10	< 1	0.18	12
V841359 Orig	133																						
V841359 Dup	115																						
V841419 Orig		15.9	2.4	42	264	< 1	9	176	754	0.65	40	< 10	11	< 0.5	< 2	0.34	8	4	1.85	< 10	< 1	0.21	12
V841419 Dup		14.8	2.3	38	260	< 1	9	172	737	0.63	37	< 10	11	< 0.5	< 2	0.33	7	4	1.78	< 10	1	0.20	11
V841424 Orig	398																						
V841424 Dup	412																						
V841434 Orig		2.1	2.1	26	783	1	7	57	577	1.04	14	< 10	11	< 0.5	3	1.41	7	3	2.40	< 10	< 1	0.15	< 10
V841434 Dup		2.0	2.1	24	771	1	7	54	570	1.08	14	< 10	< 10	< 0.5	< 2	1.41	7	3	2.38	< 10	< 1	0.16	< 10
V841436 Orig	61																						
V841436 Dup	62																						
B19-2590-5 DP Orig	177																						
B19-2590-5 DP Dup	173																						
V841625 Orig		4.3	< 0.5	23	153	7	6	< 2	26	0.61	< 2	< 10	23	< 0.5	3	0.65	5	9	1.48	< 10	< 1	0.09	< 10
V841625 Dup		4.1	< 0.5	22	149	7	5	< 2	26	0.57	< 2	< 10	22	< 0.5	3	0.61	5	9	1.44	< 10	< 1	0.08	< 10
V841614 Split Orig PREP DUP	485	3.0	2.1	100	1550	< 1	13	190	652	0.94	101	< 10	21	< 0.5	< 2	1.88	8	7	2.42	< 10	< 1	0.17	< 10
V841614 Split PREP DUP	503	3.6	2.0	127	1550	< 1	12	195	606	0.84	114	< 10	20	< 0.5	< 2	1.90	8	6	2.24	< 10	< 1	0.15	< 10
V841617 Orig	582	4.8	3.5	242	950	2	9	74	963	0.81	118	< 10	11	< 0.5	< 2	1.21	6	4	2.19	< 10	1	0.15	< 10
V841617 Dup	583	4.5	3.3	224	936	3	9	75	940	0.79	112	< 10	17	< 0.5	< 2	1.18	6	4	2.14	< 10	< 1	0.15	< 10
V841728 Orig	267																						
V841728 Dup	287																						
V841734 Orig		2.1	4.3	108	981	< 1	8	153	1200	0.70	28	< 10	17	< 0.5	< 2	1.18	6	3	2.23	< 10	< 1	0.18	< 10
V841734 Dup		2.0	4.4	110	969	< 1	7	157	1220	0.70	26	< 10	14	< 0.5	< 2	1.18	6	3	2.19	< 10	< 1	0.17	< 10
V841738 Orig	118																						
V841738 Dup	114																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

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

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
GXR-6 Meas	0.42	0.080	0.033	0.01	3	18	29		< 1	2	< 10	171	< 10	4	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.43	0.079	0.034	0.01	3	18	30		< 1	< 2	< 10	177	< 10	4	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.43	0.082	0.034	0.01	3	18	31		< 1	< 2	< 10	173	< 10	4	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.43	0.081	0.034	0.01	2	17	30		< 1	< 2	< 10	172	< 10	4	9	
GXR-6 Cert	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	
OREAS 922 (AQUA REGIA) Meas	1.37	0.028	0.063	0.38	< 2	4	16			< 2	< 10	38	< 10	21	11	
OREAS 922 (AQUA REGIA) Cert	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	1.33	0.027	0.061	0.37	3	4	16			< 2	< 10	37	< 10	21	13	
OREAS 922 (AQUA REGIA) Cert	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	1.39	0.029	0.064	0.38	< 2	4	17			< 2	< 10	38	< 10	22	23	
OREAS 922 (AQUA REGIA) Cert	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	1.38	0.030	0.064	0.38	< 2	4	17			< 2	< 10	38	< 10	22	18	
OREAS 922 (AQUA REGIA) Cert	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	1.43		0.059	0.67	4	4	14			< 2	< 10	36	< 10	19	19	
OREAS 923 (AQUA REGIA) Cert	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	1.48		0.060	0.70	3	4	15			< 2	< 10	37	< 10	20	23	
OREAS 923 (AQUA REGIA) Cert	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	1.50		0.062	0.70	3	4	15			< 2	< 10	37	< 10	20	30	
OREAS 923 (AQUA REGIA) Cert	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	1.50		0.062	0.70	3	4	15			< 2	< 10	38	< 10	20	24	
OREAS 923 (AQUA REGIA) Cert	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				4.01	6											
Oreas 96 (Aqua				4.38	4.53											

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
Regia) Cert																
Oreas 96 (Aqua Regia) Meas				4.03	3											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				4.02	7											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				3.85	7											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 220 (Fire Assay) Meas																
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OREAS 220 (Fire Assay) Cert																
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 229 (Fire Assay) Meas																11.8
OREAS 229 (Fire Assay) Cert																12.1

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
Oreas 621 (Aqua Regia) Meas	0.44	0.164	0.032	4.68	104	2	19			< 2	< 10	13	< 10	8	59	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	0.46	0.167	0.033	4.83	105	3	18			< 2	< 10	13	< 10	8	53	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	0.44	0.167	0.033	4.63	113	2	20			< 2	< 10	13	< 10	8	60	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	0.46	0.172	0.033	4.87	113	3	19			< 2	< 10	14	< 10	8	54	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0	
OREAS 229b (Fire Assay) Meas																11.8
OREAS 229b (Fire Assay) Cert																11.9
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																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
V841259 Orig																
V841259 Dup																
V841262 Orig	1.34	0.061	0.045	1.27	< 2	< 1	75	< 0.01	< 1	< 2	< 10	7	< 10	1	3	
V841262 Dup	1.37	0.063	0.045	1.29	< 2	< 1	77	< 0.01	< 1	< 2	< 10	7	< 10	1	3	
V841269 Orig																
V841269 Dup																
B19-2626-5 DP Orig	1.01	0.041	0.035	2.23	6	< 1	39	< 0.01	8	< 2	< 10	5	< 10	1	9	
B19-2626-5 DP Dup	1.02	0.042	0.036	2.28	6	< 1	40	< 0.01	9	< 2	< 10	5	< 10	1	9	
V841628 Orig																
V841628 Dup																
V841638 Orig	1.08	0.035	0.043	1.85	< 2	< 1	33	< 0.01	< 1	< 2	< 10	4	< 10	2	7	
V841638 Dup	1.06	0.033	0.043	1.92	< 2	< 1	31	< 0.01	< 1	< 2	< 10	3	< 10	2	8	
V841371 Orig																
V841371 Dup																
V841377 Split Orig PREP DUP	1.09	0.041	0.040	1.88	< 2	< 1	41	< 0.01	2	< 2	< 10	5	< 10	1	7	
V841377 Split PREP DUP	1.07	0.044	0.039	1.84	< 2	< 1	42	< 0.01	1	< 2	< 10	6	< 10	1	7	
V841373 Orig	0.73	0.037	0.038	1.05	< 2	< 1	29	< 0.01	4	< 2	< 10	4	< 10	1	7	
V841373 Dup	0.72	0.036	0.038	1.05	< 2	< 1	29	< 0.01	2	< 2	< 10	4	< 10	1	7	
V841374 Orig																
V841374 Dup																
V841657 Orig																
V841657 Dup																
V841327 Orig	0.46	0.026	0.039	2.01	2	< 1	22	< 0.01	4	< 2	< 10	3	< 10	1	14	
V841327 Dup	0.46	0.027	0.040	2.15	< 2	< 1	23	< 0.01	4	< 2	< 10	3	< 10	1	14	
V841330 Orig																
V841330 Dup																
V841340 Orig																
V841340 Dup																
V841401 Orig	1.37	0.055	0.050	1.41	< 2	< 1	77	< 0.01	< 1	< 2	< 10	7	< 10	2	6	
V841401 Dup	1.35	0.055	0.049	1.38	< 2	< 1	77	< 0.01	< 1	< 2	< 10	7	< 10	2	7	
V841407 Orig																
V841407 Dup																
V841408 Split Orig PREP DUP	0.97	0.041	0.034	2.07	6	< 1	46	< 0.01	< 1	< 2	< 10	4	< 10	2	12	
V841408 Split PREP DUP	0.97	0.043	0.034	2.07	6	< 1	46	< 0.01	< 1	< 2	< 10	4	< 10	2	12	
V841410 Orig	1.12	0.043	0.045	2.13	4	< 1	52	< 0.01	< 1	< 2	< 10	6	< 10	2	9	
V841410 Dup	1.11	0.041	0.045	2.22	4	< 1	52	< 0.01	< 1	< 2	< 10	5	< 10	2	12	
V841703 Orig																
V841703 Dup																
B19-2591-5 DP Orig	1.31	0.057	0.039	1.60	< 2	< 1	64	< 0.01	2	< 2	< 10	7	< 10	2	8	
B19-2591-5 DP	1.28	0.056	0.039	1.56	< 2	< 1	63	< 0.01	3	< 2	< 10	7	< 10	2	11	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
Dup																
V841711 Orig																
V841711 Dup																
V841663 Orig	0.77	0.037	0.039	1.13	< 2	< 1	33	< 0.01	< 1	< 2	< 10	4	< 10	1	5	
V841663 Dup	0.76	0.037	0.038	1.12	< 2	< 1	32	< 0.01	< 1	< 2	< 10	4	< 10	1	5	
V841664 Orig																
V841664 Dup																
V841101 Orig	0.11	0.018	0.046	0.23	< 2	2	12	< 0.01	< 1	< 2	< 10	10	< 10	1	2	
V841101 Dup	0.11	0.019	0.045	0.22	< 2	2	13	< 0.01	< 1	< 2	< 10	10	< 10	1	1	
V841103 Orig																
V841103 Dup																
V841105 Split Orig PREP DUP	0.33	0.050	0.053	0.60	< 2	< 1	30	< 0.01	5	< 2	< 10	7	< 10	2	1	
V841105 Split PREP DUP	0.32	0.044	0.052	0.59	< 2	< 1	26	< 0.01	3	< 2	< 10	7	< 10	1	5	
V841111 Orig																
V841111 Dup																
V841112 Orig	1.45	0.059	0.037	1.23	< 2	< 1	65	< 0.01	< 1	< 2	< 10	7	< 10	2	4	
V841112 Dup	1.41	0.056	0.037	1.22	< 2	< 1	63	< 0.01	< 1	< 2	< 10	7	< 10	2	8	
V841119 Orig																
V841119 Dup																
V841124 Orig	1.16	0.044	0.036	2.08	7	< 1	46	< 0.01	3	< 2	< 10	6	< 10	2	7	
V841124 Dup	1.15	0.045	0.036	2.09	8	< 1	45	< 0.01	3	< 2	< 10	6	< 10	2	7	
V841278 Orig																21.5
V841278 Dup																21.7
V841288 Orig																
V841288 Dup																
V841301 Orig	1.35	0.084	0.052	1.51	< 2	< 1	93	< 0.01	< 1	< 2	< 10	10	< 10	1	6	
V841301 Dup	1.34	0.082	0.052	1.51	2	< 1	91	< 0.01	1	< 2	< 10	10	< 10	1	6	
B19-2539-5 DP Split Orig PREP DUP	1.39	0.067	0.050	1.23	< 2	< 1	93	< 0.01	5	< 2	< 10	7	< 10	3	6	
B19-2539-5 DP Split PREP DUP	1.40	0.067	0.050	1.23	< 2	< 1	94	< 0.01	< 1	< 2	< 10	7	< 10	2	6	
V841306 Orig																
V841306 Dup																
V841313 Orig	1.44	0.028	0.039	2.27	5	< 1	59	< 0.01	< 1	< 2	< 10	3	< 10	2	9	
V841313 Dup	1.44	0.029	0.037	2.25	5	< 1	60	< 0.01	< 1	< 2	< 10	3	< 10	2	10	
V841151 Orig																
V841151 Dup																
B19-2487-5 DP Orig	1.04	0.068	0.050	0.67	2	1	57	< 0.01	4	< 2	< 10	10	< 10	1	3	
B19-2487-5 DP Dup	1.05	0.060	0.049	0.63	< 2	< 1	52	< 0.01	< 1	< 2	< 10	10	< 10	1	5	
V841160 Orig																
V841160 Dup																
V841169 Orig	1.24	0.041	0.041	1.59	< 2	< 1	43	< 0.01	2	< 2	< 10	6	< 10	2	6	
V841169 Dup	1.23	0.041	0.041	1.53	< 2	< 1	43	< 0.01	< 1	< 2	< 10	6	< 10	2	6	
V841170 Orig																
V841170 Dup																
V841182 Orig																
V841182 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
V841183 Split Orig PREP DUP	1.19	0.051	0.041	2.29	5	< 1	51	< 0.01	6	< 2	< 10	7	< 10	2	8	
V841183 Split PREP DUP	1.18	0.052	0.042	2.32	5	< 1	51	< 0.01	< 1	< 2	< 10	7	< 10	2	8	
V841183 Split PREP DUP	1.18	0.052	0.042	2.32	5	< 1	51	< 0.01	< 1	< 2	< 10	7	< 10	2	8	
V841207 Orig																
V841207 Dup																
V841211 Orig	1.20	0.076	0.051	1.28	< 2	1	105	< 0.01	< 1	< 2	< 10	7	< 10	2	5	
V841211 Dup	1.20	0.073	0.051	1.28	3	1	103	< 0.01	< 1	< 2	< 10	7	< 10	2	3	
V841217 Orig																
V841217 Dup																
V841224 Orig	0.74	0.040	0.033	1.49	2	< 1	35	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841224 Dup	0.73	0.038	0.033	1.44	< 2	< 1	35	< 0.01	< 1	< 2	< 10	4	< 10	2	9	
V841231 Orig																
V841231 Dup																
V841237 Orig	1.39	0.042	0.036	2.23	< 2	< 1	53	< 0.01	3	< 2	< 10	5	< 10	2	8	
V841237 Dup	1.41	0.043	0.036	2.26	< 2	< 1	55	< 0.01	1	< 2	< 10	5	< 10	2	8	
V841351 Orig																
V841351 Dup																
B19-2551-5 DP Split Orig PREP DUP	1.23	0.078	0.053	1.38	< 2	1	76	< 0.01	< 1	< 2	< 10	9	< 10	2	2	
B19-2551-5 DP Split PREP DUP	1.24	0.081	0.052	1.41	< 2	1	77	< 0.01	< 1	< 2	< 10	9	< 10	2	3	
V841359 Orig																
V841359 Dup																
V841419 Orig	0.30	0.031	0.043	2.17	3	< 1	21	< 0.01	9	< 2	< 10	4	< 10	1	13	
V841419 Dup	0.29	0.031	0.042	2.08	< 2	< 1	21	< 0.01	8	< 2	< 10	3	< 10	1	13	
V841424 Orig																
V841424 Dup																
V841434 Orig	0.85	0.040	0.041	2.51	2	< 1	37	< 0.01	4	< 2	< 10	4	< 10	2	10	
V841434 Dup	0.85	0.042	0.040	2.44	2	< 1	38	< 0.01	1	< 2	< 10	4	< 10	2	10	
V841436 Orig																
V841436 Dup																
B19-2590-5 DP Orig																
B19-2590-5 DP Dup																
V841625 Orig	0.13	0.150	0.031	0.02	< 2	1	22	0.30	3	< 2	< 10	38	< 10	8	20	
V841625 Dup	0.12	0.141	0.031	0.02	< 2	1	22	0.29	3	< 2	< 10	38	< 10	8	21	
V841614 Split Orig PREP DUP	1.31	0.032	0.041	1.92	4	< 1	38	< 0.01	< 1	< 2	< 10	5	< 10	2	9	
V841614 Split PREP DUP	1.27	0.028	0.041	1.85	6	< 1	35	< 0.01	< 1	< 2	< 10	4	< 10	2	11	
V841617 Orig	0.78	0.032	0.037	1.95	4	< 1	29	< 0.01	5	< 2	< 10	4	< 10	1	9	
V841617 Dup	0.76	0.032	0.037	1.97	5	< 1	30	< 0.01	< 1	< 2	< 10	4	< 10	1	9	
V841728 Orig																
V841728 Dup																
V841734 Orig	0.71	0.030	0.043	2.34	< 2	< 1	26	< 0.01	< 1	< 2	< 10	3	< 10	1	11	
V841734 Dup	0.71	0.030	0.043	2.29	< 2	< 1	26	< 0.01	< 1	< 2	< 10	3	< 10	1	12	
V841738 Orig																
V841738 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
Method Blank																
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Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																< 0.02

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-15601**
Report Date:	**23-Dec-19**
Date Submitted:	**18-Nov-19**
Your Reference:	**2019 Sept_Oct Check assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

187 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)	2019-11-24 12:41:05
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-11-27 13:05:39
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-12-03 14:08:27

REPORT **A19-15601**

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Notes:

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

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

Footnote: Sample 1228014081 not received

Sample V842451, V842452, V842455, V842457, V842458, and V842462 are insufficient for 1E3.

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A19-15601**
Report Date: **23-Dec-19**
Date Submitted: **18-Nov-19**
Your Reference: **2019 Sept_Oct Check assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

187 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-12-05 22:15:28
4F-C, S	Infrared	2019-12-04 22:01:25

REPORT **A19-15601**

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Notes:

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

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

Footnote: Sample 1228014081 not received

Sample V842451, V842452, V842455, V842457, V842458, and V842462 are insufficient for 1E3.

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1115501006	99.4	31.0	-68.3	109	0.284	8.06	3480	2.5	2.5	99	742	< 1	19	130	620	1.81	98	< 10	24	< 0.5	9	1.52	7
1115501342	75.8	55.8	-20.0	86.1	0.648	8.56	1780	1.6	7.8	93	1040	< 1	27	104	1930	1.59	67	< 10	23	< 0.5	3	2.25	9
1115501257	63.0	54.5	-8.53	70.1	0.777	8.33	492	0.8	6.2	59	803	< 1	23	85	1510	1.04	78	< 10	34	< 0.5	< 2	2.27	8
1230048002	34.0	15.4	-18.6	37.4	0.412	8.94	180	1.6	1.0	40	619	< 1	15	< 2	327	1.93	19	< 10	50	< 0.5	< 2	0.96	7
1115501160	47.0	60.1	13.1	52.7	1.14	8.95	658	1.5	4.0	47	1090	< 1	16	208	903	1.25	68	< 10	39	< 0.5	< 2	2.36	7
1230048083	43.1	5.39	-37.7	46.2	0.117	8.71	46	0.5	< 0.5	39	302	2	15	< 2	139	2.47	16	< 10	43	< 0.5	3	0.20	6
1230048116	34.8	17.5	-17.3	38.0	0.460	8.90	80	1.2	< 0.5	124	451	< 1	16	2	86	2.34	11	< 10	42	< 0.5	< 2	1.11	7
1228013070	44.4	17.8	-26.6	47.5	0.375	8.56	40	0.4	< 0.5	113	522	4	30	< 2	53	1.16	9	< 10	51	< 0.5	< 2	0.95	7
1230048245	47.0	3.95	-43.0	49.9	0.0791	8.62	163	0.7	< 0.5	70	450	1	15	< 2	157	2.05	34	< 10	37	< 0.5	2	0.18	7
1115501246	86.1	27.3	-58.8	96.5	0.283	8.58	> 5000	4.5	16.2	326	890	1	15	326	3760	1.15	212	< 10	21	< 0.5	2	1.10	7
1228013036	36.8	14.9	-21.8	41.3	0.361	8.35	200	0.4	4.7	85	677	< 1	19	< 2	1200	1.68	12	< 10	55	< 0.5	3	1.02	7
1228013095	65.7	7.35	-58.4	70.4	0.104	8.37	207	0.7	< 0.5	149	362	3	21	< 2	54	1.41	13	< 10	36	< 0.5	7	0.57	8
1231029143	51.7	20.3	-31.4	56.0	0.362	8.64	257	1.8	< 0.5	413	679	1	17	6	114	1.77	16	< 10	58	< 0.5	< 2	1.16	8
1231030211	60.5	6.19	-54.3	64.9	0.0953	8.41	2080	1.1	< 0.5	111	431	1	10	< 2	129	1.49	15	< 10	36	< 0.5	9	0.28	6
1231030225	34.6	9.39	-25.2	40.7	0.231	8.59	1030	1.0	12.2	176	552	< 1	13	2	2260	1.60	11	< 10	35	< 0.5	5	0.60	7
1231029358	56.5	8.98	-47.5	60.6	0.148	8.21	147	0.7	< 0.5	104	349	< 1	14	< 2	115	2.00	28	< 10	39	< 0.5	9	0.35	6
1231029081	32.4	15.9	-16.5	35.8	0.443	8.73	111	0.8	2.4	61	629	< 1	15	3	655	3.08	20	< 10	58	< 0.5	< 2	1.81	6
1228013013	64.1	7.88	-56.2	68.9	0.114	8.40	504	1.1	< 0.5	330	366	3	23	< 2	56	1.48	15	< 10	35	< 0.5	4	0.59	8
V842451							747																
1228014304	59.8	18.1	-41.7	64.0	0.283	8.66	138	0.8	0.6	53	604	< 1	11	3	235	1.99	30	< 10	37	< 0.5	< 2	1.24	8
1231029364	47.0	13.1	-33.9	50.8	0.258	8.62	124	1.1	0.5	121	565	< 1	19	4	196	2.01	33	< 10	43	< 0.5	6	0.69	11
1228006282	32.3	22.5	-9.78	35.2	0.639	8.99	129	2.2	< 0.5	51	692	1	17	15	196	1.35	24	< 10	48	< 0.5	< 2	1.18	8
1228014381	70.3	14.3	-56.0	75.0	0.191	8.66	198	1.2	0.7	157	459	1	14	3	273	2.04	20	< 10	31	< 0.5	13	1.11	9
1229029244	42.7	27.9	-14.8	46.2	0.604	8.83	562	0.3	< 0.5	73	400	2	12	8	69	1.40	8	< 10	44	< 0.5	< 2	1.23	6
1229029124	55.8	25.5	-30.3	62.2	0.410	8.35	72	0.6	4.6	171	432	3	15	3	1260	0.84	9	< 10	30	< 0.5	2	1.09	8
1231096670	22.3	22.7	0.367	25.7	0.881	8.22	29	< 0.2	2.4	39	855	< 1	9	3	796	2.18	9	< 10	40	< 0.5	< 2	1.19	7
1228014495	142	6.66	-135	151	0.0442	7.66	1410	0.7	< 0.5	60	398	< 1	11	3	63	1.30	33	< 10	17	< 0.5	32	0.28	6
1229029063	58.6	16.5	-42.2	64.3	0.256	8.34	52	0.6	5.2	172	314	3	16	3	1410	0.85	7	< 10	28	< 0.5	3	0.79	8
1228014529	115	11.4	-104	119	0.0951	8.07	97	0.4	< 0.5	20	321	3	11	4	53	1.20	7	< 10	27	< 0.5	11	0.53	7
1231096619	29.1	13.8	-15.3	28.5	0.484	8.56	37	< 0.2	< 0.5	51	699	2	10	< 2	168	2.84	9	< 10	62	< 0.5	< 2	1.69	8
1229029105	51.5	18.8	-32.7	55.1	0.341	8.27	527	0.3	< 0.5	35	298	< 1	12	13	67	1.11	12	< 10	48	< 0.5	2	0.84	8
1228014528	70.4	12.3	-58.1	73.8	0.167	8.54	190	0.3	< 0.5	22	451	2	10	< 2	59	1.74	11	< 10	32	< 0.5	3	0.87	7
1228014373	77.8	15.4	-62.4	84.5	0.183	8.43	517	4.1	6.0	529	635	< 1	13	2	1610	1.64	19	< 10	29	< 0.5	2	0.94	9
1228014566	74.9	13.3	-61.6	78.4	0.170	8.56	286	0.6	< 0.5	216	432	1	12	< 2	62	2.06	16	< 10	28	< 0.5	6	0.96	7
1228014367	54.7	10.6	-44.0	59.4	0.179	8.58	485	1.1	2.3	257	609	< 1	11	3	646	2.22	16	< 10	34	< 0.5	4	1.05	7
1228014337	63.3	10.0	-53.3	69.8	0.144	8.26	666	2.6	7.8	168	612	1	14	2	2130	1.52	16	< 10	34	< 0.5	5	0.77	9
V842452							117																
1228013098	48.7	6.51	-42.2	52.4	0.124	8.63	61	0.7	< 0.5	113	459	4	19	< 2	55	1.11	9	< 10	49	< 0.5	< 2	0.57	8
1228013288	55.8	15.7	-40.2	60.6	0.258	8.63	196	0.3	0.5	120	496	4	16	< 2	206	1.16	10	< 10	34	< 0.5	< 2	0.86	8
1228013240	47.6	12.0	-35.6	50.8	0.235	8.82	313	0.4	< 0.5	127	497	4	17	< 2	59	0.98	12	< 10	42	< 0.5	< 2	0.67	8
1231096661	13.4	15.5	2.09	13.2	1.18	8.66	14	< 0.2	< 0.5	67	920	1	62	5	105	2.44	10	< 10	159	< 0.5	< 2	1.14	23
1231096408	20.6	9.72	-10.9	23.6	0.412	8.72	62	< 0.2	< 0.5	25	784	2	17	2	172	3.37	7	< 10	63	< 0.5	2	1.76	9
1228014577	67.9	16.7	-51.2	72.9	0.230	8.65	91	< 0.2	< 0.5	37	610	< 1	23	2	70	3.04	21	< 10	37	< 0.5	< 2	1.55	10
1231029094	41.0	26.8	-14.2	45.6	0.587	8.48	605	3.3	0.7	234	635	2	16	5	166	2.02	21	< 10	60	< 0.5	< 2	1.66	8
1228014452	81.9	6.01	-75.9	87.6	0.0686	8.56	281	0.8	4.2	127	409	< 1	16	4	1130	1.64	14	< 10	31	< 0.5	11	0.51	9
1231096511	25.6	14.4	-11.2	25.1	0.573	8.50	54	0.2	0.6	79	576	< 1	16	< 2	215	3.12	13	< 10	53	< 0.5	< 2	1.80	8
1229029199	59.5	12.9	-46.6	65.5	0.197	8.21	134	0.8	1.9	272	356	3	19	3	560	0.85	10	< 10	34	< 0.5	2	0.70	7
V842453							1580	9.8	< 0.5	51	341	20	11	5	52	1.42	< 2	< 10	74	< 0.5	3	1.18	12
1231096021	9.16	24.4	15.2	12.6	1.94	9.02	43	< 0.2	< 0.5	23	457	1	22	< 2	53	3.41	5	< 10	107	< 0.5	< 2	2.49	8

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228006176	24.6	14.8	-9.74	27.9	0.532	8.67	47	0.5	< 0.5	22	612	< 1	22	12	143	2.69	23	12	54	< 0.5	< 2	1.76	8
1228006193	50.6	15.7	-34.9	54.8	0.287	8.53	67	0.3	< 0.5	41	394	< 1	15	3	60	2.47	18	< 10	45	< 0.5	3	1.30	6
1231030169	48.5	3.69	-44.8	52.1	0.0709	8.37	100	0.7	< 0.5	96	500	< 1	13	< 2	99	1.91	24	< 10	35	< 0.5	4	0.23	8
1231030093	67.3	7.05	-60.2	72.3	0.0976	8.27	975	2.7	0.7	508	562	< 1	16	3	222	1.58	33	< 10	34	< 0.5	6	0.41	10
1231096409	20.2	4.73	-15.5	23.0	0.206	8.67	55	< 0.2	< 0.5	24	606	1	16	< 2	120	2.95	9	< 10	61	< 0.5	< 2	1.48	6
1227001015	14.7	28.9	14.2	14.4	2.01	8.34	48	0.3	< 0.5	47	478	< 1	24	6	107	2.61	5	18	79	< 0.5	< 2	1.84	12
1231029116	26.9	13.2	-13.6	30.0	0.441	8.56	71	0.3	0.9	26	681	1	12	< 2	359	3.03	15	< 10	48	< 0.5	< 2	1.80	7
1231029021	74.4	27.6	-46.7	81.5	0.339	8.26	314	0.8	< 0.5	142	709	3	12	< 2	72	2.15	23	< 10	25	< 0.5	6	1.91	7
1228013280	23.5	6.77	-16.8	27.0	0.251	9.23	39	< 0.2	0.6	20	502	< 1	16	< 2	227	1.46	5	< 10	57	< 0.5	< 2	0.78	7
1228013218	53.1	10.6	-42.6	57.6	0.183	8.67	104	0.4	< 0.5	115	484	4	19	< 2	85	1.30	9	< 10	37	< 0.5	< 2	0.81	8
V842454							260	2.8	< 0.5	62	461	2	19	3	67	1.59	2	< 10	90	< 0.5	2	1.68	16
1228013101	42.5	19.6	-22.9	47.8	0.411	8.71	180	0.4	< 0.5	88	517	3	19	< 2	60	1.16	18	< 10	51	< 0.5	< 2	1.07	7
1231096020	9.58	8.68	-0.897	12.9	0.675	9.31	7	< 0.2	< 0.5	29	496	1	25	2	58	3.84	7	< 10	134	< 0.5	< 2	2.25	9
1228013144	52.8	12.9	-39.9	57.0	0.227	8.63	189	0.3	< 0.5	92	494	4	17	< 2	58	1.11	8	< 10	40	< 0.5	< 2	0.84	8
1231030142	54.6	4.22	-50.4	59.4	0.0711	8.26	1530	2.0	0.5	504	636	< 1	13	< 2	240	1.69	13	< 10	36	< 0.5	2	0.30	8
1231030072	49.9	17.5	-32.3	53.6	0.327	8.37	81	0.7	< 0.5	61	583	3	13	3	51	1.62	14	< 10	49	< 0.5	2	1.47	7
1228013208	24.8	21.7	-3.11	27.9	0.778	8.67	56	0.4	0.7	85	787	< 1	14	< 2	223	1.83	7	< 10	61	< 0.5	6	1.37	6
1228013197	51.2	17.5	-33.7	55.4	0.316	8.52	92	0.5	0.6	96	380	5	17	< 2	201	1.05	12	< 10	38	< 0.5	2	0.94	8
V842455							939																
1231029422	43.8	11.1	-32.8	47.2	0.235	8.41	73	0.3	< 0.5	62	332	< 1	11	< 2	49	2.58	10	< 10	37	< 0.5	< 2	0.87	5
1231096367	26.3	8.41	-17.8	25.7	0.327	8.55	39	< 0.2	< 0.5	37	557	3	17	8	102	3.23	5	< 10	56	< 0.5	< 2	1.71	7
1229029170	78.1	12.9	-65.2	83.3	0.155	8.03	115	0.6	0.9	222	340	3	21	45	300	0.93	7	< 10	26	< 0.5	< 2	0.70	8
1229029117	44.6	13.9	-30.7	48.7	0.285	8.92	40	0.5	1.4	115	531	4	17	< 2	431	1.37	12	< 10	39	< 0.5	< 2	0.99	8
1229029024	49.2	10.5	-38.6	53.9	0.195	8.45	38	0.4	0.7	114	498	4	25	< 2	254	1.18	8	< 10	47	< 0.5	< 2	0.78	8
1228014446	63.7	8.25	-55.5	68.3	0.121	8.56	127	0.6	< 0.5	92	440	1	20	3	73	1.77	22	< 10	29	< 0.5	5	0.72	7
1228014397	84.9	18.3	-66.6	93.1	0.197	8.26	310	1.4	2.9	148	641	1	23	2	762	2.31	26	< 10	31	< 0.5	7	1.54	14
1231096314	8.44	9.22	0.782	8.27	1.12	9.35	32	< 0.2	< 0.5	18	658	2	16	4	107	3.34	5	< 10	86	< 0.5	< 2	2.18	8
1231026369	32.3	14.9	-17.3	34.9	0.428	8.60	79	0.7	< 0.5	71	501	< 1	16	< 2	174	2.67	32	< 10	44	< 0.5	< 2	1.29	6
1228014407	63.1	11.5	-51.6	68.9	0.167	8.46	500	1.7	4.0	161	556	< 1	15	3	1160	1.82	31	< 10	35	< 0.5	3	1.07	7
V842456							1140	4.2	< 0.5	23	143	7	6	< 2	24	0.60	< 2	< 10	21	< 0.5	< 2	0.64	4
1228013015	47.0	9.23	-37.7	50.2	0.184	8.58	110	0.4	< 0.5	104	483	4	27	< 2	70	1.65	11	< 10	44	< 0.5	< 2	1.04	7
1228013044	46.1	15.9	-30.2	50.2	0.317	8.66	248	0.9	1.4	165	442	4	33	< 2	421	1.02	10	< 10	44	< 0.5	2	0.83	8
1228013165	68.2	6.61	-61.6	72.6	0.0910	8.06	830	0.6	< 0.5	179	373	4	22	3	49	1.52	10	< 10	33	< 0.5	4	0.69	8
1228006332	115	3.15	-111	121	0.0260	8.11	501	0.9	< 0.5	278	421	< 1	11	4	71	1.52	35	< 10	22	< 0.5	8	0.73	5
1228006317	4.38	17.5	13.1	4.29	4.08	8.77	9	0.3	< 0.5	129	650	< 1	53	< 2	65	4.42	< 2	< 10	24	< 0.5	< 2	3.68	24
1231029415	46.0	15.0	-31.0	50.2	0.299	8.61	118	1.0	2.8	131	429	< 1	16	< 2	671	1.96	16	< 10	40	< 0.5	5	1.00	8
1228006265	46.6	23.7	-22.9	51.1	0.463	8.43	76	1.7	2.7	53	639	2	11	29	983	2.41	16	11	41	< 0.5	< 2	1.62	9
1228006253	16.9	48.3	31.5	19.9	2.43	9.02	36	0.7	0.7	30	1180	< 1	16	15	332	1.85	25	< 10	45	< 0.5	< 2	2.29	7
1228006170	2.81	11.0	8.19	2.76	3.99	8.76	5	< 0.2	< 0.5	125	554	< 1	48	< 2	50	5.22	< 2	< 10	18	< 0.5	< 2	4.15	22
1228006221	2.81	11.5	8.64	2.76	4.16	8.96	7	< 0.2	< 0.5	120	638	< 1	58	< 2	64	4.31	< 2	< 10	17	< 0.5	< 2	3.31	26
1228013130	44.7	26.8	-17.9	49.0	0.547	8.55	217	0.6	0.5	169	453	3	25	< 2	187	0.94	13	< 10	43	< 0.5	3	0.92	7
1228013191	56.7	28.5	-28.1	62.8	0.454	8.62	109	0.9	< 0.5	173	299	3	18	< 2	56	1.16	12	< 10	40	< 0.5	3	1.23	6
V842457							119																
1228015204	32.0	45.8	13.8	35.5	1.29	8.66	47	< 0.2	< 0.5	33	567	1	13	< 2	101	1.18	12	< 10	45	< 0.5	< 2	1.99	6
1228015054	41.9	12.2	-29.7	45.6	0.268	8.87	52	0.3	0.6	83	445	3	11	< 2	221	1.18	5	< 10	38	< 0.5	< 2	0.78	7
1228015049	58.3	11.7	-46.6	62.8	0.187	8.70	49	0.4	0.8	130	456	4	13	6	317	1.05	10	< 10	37	< 0.5	< 2	0.67	9
1229031275	38.2	14.0	-24.2	42.0	0.334	8.71	71	< 0.2	< 0.5	71	306	2	13	< 2	31	2.20	6	12	34	< 0.5	8	1.00	8
1228015060	40.1	14.9	-25.2	45.0	0.331	8.72	66	< 0.2	< 0.5	90	342	< 1	13	< 2	45	1.19	4	< 10	39	< 0.5	< 2	0.89	6
1228015286	24.6	15.6	-8.98	27.6	0.566	8.88	57	< 0.2	0.5	48	621	1	12	7	241	1.63	9	< 10	47	< 0.5	< 2	1.09	6

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231095102	37.4	9.46	-27.9	41.0	0.231	8.52	247	0.5	0.6	169	389	2	15	5	171	1.73	13	< 10	42	< 0.5	< 2	0.76	9
V842458							943																
1228014135	41.6	17.9	-23.7	45.9	0.389	8.66	211	0.8	2.3	42	1180	< 1	16	10	577	3.21	20	< 10	44	< 0.5	< 2	2.13	10
1228014162	68.3	4.95	-63.4	74.4	0.0665	8.28	252	2.3	5.8	45	763	< 1	13	7	1550	2.09	30	< 10	32	< 0.5	3	1.04	8
1231096192	38.0	8.44	-29.6	40.7	0.207	8.46	61	0.2	< 0.5	59	214	< 1	11	< 2	46	2.91	11	< 10	36	< 0.5	2	1.47	7
1228014031	50.9	18.3	-32.6	55.7	0.328	8.47	78	0.4	1.4	37	501	< 1	12	18	406	2.00	29	< 10	33	< 0.5	< 2	1.51	6
1228014266	57.4	4.22	-53.2	61.6	0.0686	8.47	254	0.5	1.2	30	490	< 1	17	4	393	1.57	16	< 10	27	< 0.5	4	0.48	12
1228014030	58.6	9.53	-49.1	63.4	0.150	8.46	81	0.8	1.3	78	303	3	12	18	434	1.32	23	< 10	30	< 0.5	4	0.77	8
1231096421	8.75	6.02	-2.73	8.57	0.703	9.00	81	0.3	< 0.5	91	205	1	13	< 2	73	2.28	6	< 10	32	< 0.5	< 2	0.91	4
1231096659	24.8	7.54	-17.2	28.2	0.268	8.55	44	0.6	< 0.5	217	714	1	25	3	62	1.40	27	< 10	46	< 0.5	< 2	0.57	11
1228014267	70.1	6.93	-63.2	75.9	0.0913	8.47	458	1.7	2.5	190	591	< 1	16	3	759	1.67	27	< 10	29	< 0.5	5	0.47	12
1231096381	17.7	13.2	-4.49	20.5	0.644	8.73	73	1.2	0.5	174	271	1	14	< 2	161	1.68	7	< 10	35	< 0.5	3	1.02	6
V842459							717	3.1	< 5	32	308	15	< 9	< 20	46	1.13	< 20	< 93	119	< 5	< 20	2.11	< 9
1231096932	31.5	13.9	-17.6	35.8	0.388	8.61	58	0.4	1.8	57	650	1	12	7	573	1.48	15	< 10	51	< 0.5	< 2	0.95	8
1231096238	12.4	28.6	16.2	15.3	1.87	8.56	26	< 0.2	< 0.5	28	232	4	16	< 2	46	2.33	7	< 10	44	< 0.5	< 2	1.66	9
1231096499	9.69	45.1	35.4	9.49	4.75	8.94	16	< 0.2	< 0.5	24	806	< 1	46	8	106	2.30	6	< 10	214	< 0.5	< 2	2.37	17
1231096807	49.5	1.96	-47.5	53.0	0.0371	8.24	96	1.1	< 0.5	17	338	1	11	9	90	0.92	76	< 10	27	< 0.5	< 2	0.27	7
1231096827	45.9	6.11	-39.8	48.7	0.125	8.63	1300	1.2	< 0.5	31	213	< 1	12	8	60	1.31	80	< 10	26	< 0.5	2	0.66	9
1231096859	71.1	2.21	-68.9	74.4	0.0296	7.97	86	1.1	0.6	73	351	< 1	14	21	289	1.07	59	< 10	26	< 0.5	2	0.16	9
1231096233	25.9	8.20	-17.7	25.4	0.322	8.74	32	< 0.2	< 0.5	28	151	2	11	< 2	33	2.25	6	< 10	46	< 0.5	< 2	1.13	8
1231096880	29.7	13.0	-16.6	32.2	0.406	8.73	82	0.3	0.6	29	426	< 1	11	24	254	1.48	18	< 10	28	< 0.5	< 2	0.91	6
1231096882	71.9	11.6	-60.2	75.3	0.154	8.35	299	1.1	0.5	45	637	< 1	23	68	225	1.60	40	< 10	29	< 0.5	< 2	0.74	14
1231095318	36.3	8.15	-28.1	35.5	0.229	8.68	35	< 0.2	< 0.5	22	236	1	14	< 2	39	1.51	4	< 10	34	< 0.5	2	0.76	10
1228014037	55.6	15.2	-40.4	61.3	0.249	8.34	182	1.3	5.8	113	1120	2	19	46	1440	2.28	66	< 10	32	< 0.5	5	0.96	12
1231096463	19.4	7.62	-11.8	19.0	0.401	8.89	27	< 0.2	< 0.5	99	244	1	12	< 2	39	2.21	6	< 10	32	< 0.5	< 2	0.91	7
1231096567	27.2	12.6	-14.6	26.6	0.471	8.64	129	0.3	< 0.5	75	612	6	27	< 2	176	2.82	11	< 10	59	< 0.5	< 2	1.51	7
1231096876	43.8	17.3	-26.6	49.6	0.348	8.52	62	0.6	7.1	107	446	1	11	28	2180	1.83	13	< 10	34	< 0.5	2	1.26	7
1231095283	22.2	14.5	-7.65	21.7	0.669	8.91	36	0.3	< 0.5	63	295	1	15	< 2	45	1.82	3	< 10	40	< 0.5	< 2	1.17	10
V842460							1070	3.7	< 2	23	160	7	8	< 8	27	0.62	< 8	< 38	41	< 2	< 8	0.68	5
1231095359	39.1	12.4	-26.6	41.7	0.299	8.61	38	0.4	< 0.5	15	354	< 1	13	5	199	1.77	8	< 10	41	< 0.5	2	1.07	8
1231096294	27.8	8.64	-19.2	27.3	0.317	8.62	37	< 0.2	< 0.5	17	183	1	8	10	38	3.08	5	< 10	37	< 0.5	2	1.64	9
1231096370	28.1	6.09	-22.0	27.6	0.221	8.73	69	< 0.2	< 0.5	30	243	1	11	< 2	58	3.12	4	< 10	38	< 0.5	< 2	1.62	8
1231096531	30.2	9.71	-20.5	33.1	0.293	8.62	148	0.3	1.3	32	343	2	11	< 2	335	2.15	8	< 10	41	< 0.5	4	0.90	8
1231096428	27.0	36.7	9.76	29.7	1.24	8.90	165	0.5	< 0.5	79	342	1	12	< 2	112	1.86	8	< 10	43	< 0.5	5	1.93	6
1229031203	27.2	11.2	-16.0	26.6	0.422	8.57	265	0.5	< 0.5	60	452	3	12	5	52	2.13	7	< 10	34	< 0.5	7	0.74	5
1229031142	56.8	9.29	-47.5	59.7	0.155	8.52	331	1.1	< 0.5	114	278	1	13	14	33	1.11	22	< 10	31	< 0.5	7	0.53	7
1229031033	47.1	6.36	-40.7	50.2	0.127	8.55	566	0.7	< 0.5	233	330	< 1	13	< 2	163	2.21	19	< 10	31	< 0.5	4	0.97	6
1231095390	29.0	12.9	-16.0	31.5	0.410	8.49	162	0.5	< 0.5	17	447	< 1	11	2	169	2.20	11	11	43	< 0.5	< 2	1.09	7
1231095437	40.0	8.57	-31.4	42.3	0.203	8.48	55	< 0.2	0.9	11	183	< 1	13	< 2	223	1.47	13	< 10	26	< 0.5	< 2	0.57	13
V842461							247	2.9	< 0.5	59	443	2	18	6	64	1.52	3	< 10	88	< 0.5	< 2	1.66	16
1228015305	25.2	26.6	1.37	27.9	0.954	9.09	80	< 0.2	0.6	61	501	< 1	12	7	193	1.04	10	< 10	45	< 0.5	< 2	1.29	7
1231095379	15.6	9.94	-5.69	15.3	0.649	8.74	178	< 0.2	< 0.5	33	361	< 1	19	< 2	58	1.76	4	< 10	46	< 0.5	< 2	1.05	8
1231095109	27.8	5.82	-22.0	27.3	0.214	8.28	96	< 0.2	< 0.5	67	273	< 1	10	2	58	1.34	7	< 10	39	< 0.5	< 2	0.53	7
1229031331	44.9	13.7	-31.2	48.1	0.285	8.48	793	1.1	< 0.5	414	294	< 1	10	5	54	1.47	12	< 10	44	< 0.5	5	0.71	3
1231095126	8.13	24.2	16.1	7.96	3.04	8.79	7	< 0.2	< 0.5	25	366	3	15	< 2	81	1.98	< 2	13	68	< 0.5	< 2	1.58	6
1231095080	30.3	5.75	-24.6	33.4	0.172	8.59	458	0.7	< 0.5	176	302	2	12	7	46	1.71	14	< 10	39	< 0.5	< 2	0.82	5
1231095213	37.1	14.5	-22.6	41.7	0.348	8.62	100	0.2	< 0.5	6	257	< 1	10	8	207	2.17	6	10	36	< 0.5	< 2	1.31	7
1231095446	26.0	25.9	-0.180	29.4	0.879	8.85	94	0.3	< 0.5	26	739	< 1	21	4	80	2.58	21	< 10	59	< 0.5	< 2	2.24	10
1231095182	31.1	9.39	-21.7	34.3	0.274	8.65	163	0.4	< 0.5	88	243	< 1	12	4	53	1.45	8	< 10	37	< 0.5	< 2	0.79	6

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231095403	26.7	24.5	-2.12	30.0	0.818	8.70	54	0.3	< 0.5	26	814	< 1	19	3	93	2.52	18	< 10	58	< 0.5	< 2	2.00	10
1231095519	19.1	8.95	-10.1	18.7	0.479	8.92	49	0.3	< 0.5	15	611	< 1	7	3	62	2.06	13	< 10	53	< 0.5	< 2	1.27	6
1231095552	17.5	40.1	22.6	17.1	2.34	8.48	25	< 0.2	< 0.5	40	425	< 1	17	7	130	1.86	5	< 10	59	< 0.5	< 2	1.92	7
1231095110	27.8	2.84	-25.0	27.3	0.104	8.75	1300	0.6	< 0.5	156	285	1	11	2	43	1.35	10	< 10	50	< 0.5	< 2	0.65	6
1231095169	23.4	13.0	-10.5	23.0	0.565	8.70	68	< 0.2	< 0.5	10	271	1	11	< 2	50	1.78	7	< 10	35	< 0.5	< 2	1.07	8
1228015317	53.1	29.6	-23.5	58.8	0.503	8.31	116	0.5	4.3	120	726	< 1	21	2	1070	1.87	8	< 10	40	< 0.5	10	1.54	9
1229031348	24.1	11.2	-12.9	23.6	0.474	8.70	237	0.6	< 0.5	60	415	2	12	8	44	3.01	7	< 10	29	< 0.5	8	1.23	3
1231095452	39.4	20.1	-19.2	42.3	0.476	8.65	68	0.4	0.5	22	795	< 1	18	4	171	2.39	34	< 10	57	< 0.5	< 2	1.90	10
V842462							735																
1229031002	33.2	12.1	-21.1	35.8	0.337	8.74	250	0.4	< 0.5	67	405	2	11	6	100	2.27	11	< 10	31	< 0.5	< 2	1.11	7
1229031087	52.7	6.67	-46.0	56.0	0.119	8.62	131	0.6	< 0.5	52	299	< 1	12	3	49	1.80	18	< 10	41	< 0.5	4	0.97	8
1229031125	35.9	13.0	-23.0	38.3	0.339	8.53	219	0.4	< 0.5	118	358	< 1	10	< 2	55	1.77	8	< 10	32	< 0.5	4	0.83	5
1229031068	54.8	10.9	-43.8	57.9	0.189	8.51	1210	1.1	< 0.5	321	366	1	14	4	62	1.62	11	< 10	31	< 0.5	5	0.64	8
1229031085	56.9	5.19	-51.7	59.7	0.0868	8.64	112	0.6	< 0.5	82	349	1	10	3	72	1.69	28	< 10	35	< 0.5	3	0.53	8
1229031051	27.2	15.2	-12.0	30.0	0.505	8.72	346	1.3	< 0.5	310	435	1	14	5	65	2.47	7	12	49	< 0.5	4	1.31	6
1229031096	31.9	6.60	-25.3	34.3	0.193	8.80	144	0.2	< 0.5	21	414	< 1	10	< 2	71	2.27	8	< 10	56	< 0.5	< 2	1.13	7
1229031163	47.0	18.6	-28.3	50.5	0.369	8.65	187	0.3	< 0.5	119	433	3	13	< 2	45	1.95	4	< 10	31	< 0.5	3	1.66	8
1229031222	45.6	12.3	-33.3	48.1	0.256	8.39	651	0.6	< 0.5	308	286	1	9	< 2	29	1.72	7	< 10	28	< 0.5	10	0.90	5
1230098240	39.2	6.93	-32.2	43.2	0.161	8.46	533	0.7	0.8	147	550	1	21	< 2	328	2.94	12	< 10	57	< 0.5	< 2	1.14	12
1229031316	52.6	3.68	-48.9	55.1	0.0667	8.12	356	0.7	< 0.5	250	264	13	11	< 2	35	2.25	7	< 10	26	< 0.5	3	0.84	7
1229031299	61.5	6.75	-54.7	65.2	0.103	8.11	191	0.2	< 0.5	101	273	14	14	< 2	32	2.63	9	< 10	20	< 0.5	7	1.24	4
1229031248	31.2	25.8	-5.43	34.9	0.739	8.73	436	0.5	< 0.5	274	486	4	14	< 2	48	2.78	13	< 10	59	< 0.5	4	2.26	6
1228015222	46.2	21.5	-24.8	50.5	0.425	8.70	52	0.6	1.4	72	310	1	12	3	400	1.35	8	< 10	29	< 0.5	3	1.14	6
1228015025	60.5	16.7	-43.9	65.5	0.254	8.52	20	0.3	0.7	37	375	1	9	< 2	219	1.30	8	< 10	34	< 0.5	4	0.90	8
V842463							920	2.0	< 1	56	439	12	16	5	58	1.53	< 5	< 26	91	< 1	< 5	1.57	14
1231096701	26.9	9.96	-16.9	26.3	0.378	8.60	74	0.3	1.3	59	587	2	13	< 2	387	3.03	6	< 10	55	0.5	< 2	1.74	7
1231096684	28.8	5.19	-23.6	28.2	0.184	8.58	97	< 0.2	< 0.5	113	314	7	11	< 2	39	1.79	8	< 10	29	< 0.5	< 2	0.75	5
1229029060	61.9	10.4	-51.5	66.5	0.156	8.68	104	0.4	2.9	124	340	3	10	< 2	809	1.04	8	< 10	30	< 0.5	< 2	0.63	7
1228014152	30.5	27.1	-3.43	33.4	0.811	8.41	127	0.4	0.7	91	570	2	11	5	200	2.20	13	< 10	53	< 0.5	< 2	2.04	8
1231096643	39.4	9.83	-29.5	38.6	0.255	8.71	615	0.8	< 0.5	55	383	4	12	4	126	2.33	9	< 10	54	< 0.5	4	1.21	7
1228014246	75.8	5.54	-70.3	81.5	0.0680	8.61	1470	0.8	< 0.5	137	374	< 1	14	9	190	1.95	17	< 10	35	< 0.5	8	0.64	7
1231096592	26.6	9.10	-17.5	26.0	0.349	8.11	100	< 0.2	0.5	46	534	2	10	< 2	219	2.37	11	< 10	51	< 0.5	< 2	1.00	7
1228014272	47.9	10.9	-37.0	53.9	0.203	8.62	1570	21.4	7.6	154	786	1	12	3	1920	2.08	18	11	31	< 0.5	5	1.23	9
1228014193	38.1	8.87	-29.3	37.4	0.237	8.55	161	1.0	0.8	42	633	1	12	< 2	279	2.72	19	< 10	40	< 0.5	< 2	1.72	8
1228014192	57.0	7.43	-49.5	61.6	0.121	8.27	191	1.4	3.3	97	840	< 1	14	< 2	962	2.42	21	< 10	39	< 0.5	2	1.20	10
1228014062	58.0	5.18	-52.8	61.3	0.0846	8.35	186	0.4	< 0.5	50	503	1	14	4	191	1.53	14	< 10	32	< 0.5	3	0.33	8
1228014105	37.2	11.7	-25.5	39.8	0.294	8.58	140	0.9	1.6	21	605	< 1	9	18	514	1.83	9	< 10	40	< 0.5	< 2	1.32	6
1228014080	54.1	8.61	-45.4	58.5	0.147	8.66	488	1.0	3.1	59	932	< 1	19	177	890	2.67	46	< 10	31	< 0.5	5	1.54	13
1228014245	73.9	5.79	-68.2	78.7	0.0736	8.19	168	0.5	1.6	95	420	< 1	13	< 2	452	1.89	13	< 10	32	< 0.5	8	0.64	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
1115501006	287	4.23	< 10	< 1	0.42	19	1.07	0.063	0.051	3.71	4	1	46	0.03	< 1	< 2	< 10	16	< 10	3	20	0.38	3.57
1115501342	303	3.98	< 10	< 1	0.53	13	1.30	0.030	0.059	3.09	4	3	55	0.02	< 1	< 2	< 10	24	< 10	3	16	0.68	2.81
1115501257	375	2.58	< 10	< 1	0.33	< 10	0.73	0.029	0.039	2.41	< 2	< 1	28	< 0.01	< 1	< 2	< 10	7	< 10	2	12	0.71	2.29
1230048002	282	2.44	< 10	< 1	0.27	14	1.01	0.119	0.042	1.33	3	< 1	48	< 0.01	< 1	< 2	< 10	11	< 10	2	11	0.23	1.22
1115501160	273	2.13	< 10	< 1	0.36	< 10	1.03	0.033	0.038	1.79	3	< 1	35	< 0.01	< 1	< 2	< 10	7	< 10	2	9	0.86	1.72
1230048083	207	2.77	< 10	< 1	0.24	12	2.53	0.042	0.037	1.55	2	< 1	16	< 0.01	< 1	< 2	< 10	11	< 10	1	10	0.05	1.51
1230048116	287	2.40	< 10	< 1	0.25	16	1.53	0.146	0.041	1.32	< 2	< 1	58	< 0.01	< 1	< 2	< 10	12	< 10	2	15	0.18	1.24
1228013070	717	2.79	< 10	< 1	0.19	15	0.71	0.102	0.040	1.64	5	2	37	0.05	3	< 2	< 10	23	< 10	3	16	0.24	1.55
1230048245	238	2.94	< 10	< 1	0.24	13	2.05	0.034	0.045	1.74	< 2	< 1	16	< 0.01	2	< 2	< 10	10	< 10	1	7	0.05	1.63
1115501246	181	3.54	< 10	< 1	0.21	< 10	1.05	0.022	0.036	3.43	5	< 1	16	< 0.01	8	< 2	< 10	6	< 10	2	10	0.37	3.15
1228013036	355	2.27	< 10	< 1	0.21	15	0.77	0.158	0.040	1.40	4	1	68	< 0.01	< 1	< 2	< 10	14	< 10	2	16	0.19	1.35
1228013095	452	2.96	< 10	< 1	0.15	15	0.87	0.110	0.041	2.30	3	1	48	< 0.01	3	< 2	< 10	14	< 10	3	15	0.21	2.30
1231029143	229	2.83	< 10	< 1	0.29	17	1.16	0.109	0.050	1.87	< 2	1	47	0.03	2	< 2	< 10	16	< 10	2	14	0.52	1.83
1231030211	117	3.31	< 10	< 1	0.20	10	1.35	0.038	0.042	2.18	2	< 1	18	< 0.01	< 1	< 2	< 10	13	< 10	2	18	0.07	2.12
1231030225	120	2.47	< 10	< 1	0.18	14	1.22	0.082	0.047	1.32	< 2	1	44	0.01	1	< 2	< 10	15	< 10	2	9	0.10	1.33
1231029358	165	3.22	< 10	< 1	0.27	13	1.52	0.029	0.038	2.07	< 2	< 1	16	< 0.01	< 1	< 2	< 10	11	< 10	2	11	0.09	1.98
1231029081	255	2.38	< 10	< 1	0.26	12	1.15	0.222	0.037	1.20	3	< 1	110	< 0.01	< 1	< 2	< 10	11	< 10	2	12	0.19	1.17
1228013013	467	3.27	< 10	< 1	0.16	15	0.83	0.114	0.043	2.48	3	2	53	< 0.01	10	< 2	< 10	16	< 10	3	16	0.12	2.25
V842451																							
1228014304	114	3.01	< 10	< 1	0.22	18	1.25	0.105	0.048	2.23	3	< 1	48	0.03	1	< 2	< 10	12	< 10	2	15	0.19	2.09
1231029364	118	3.19	< 10	< 1	0.25	14	1.70	0.030	0.043	1.66	2	1	18	0.02	< 1	< 2	< 10	23	< 10	2	9	0.15	1.66
1228006282	169	1.84	< 10	< 1	0.35	13	0.73	0.039	0.039	1.23	2	< 1	44	0.02	< 1	< 2	< 10	10	< 10	2	14	0.28	1.15
1228014381	112	2.98	< 10	< 1	0.22	19	1.26	0.138	0.052	2.73	< 2	< 1	53	< 0.01	1	< 2	< 10	11	< 10	3	15	0.14	2.45
1229029244	129	2.41	< 10	< 1	0.16	17	1.37	0.058	0.042	1.63	< 2	< 1	39	< 0.01	< 1	< 2	< 10	12	< 10	2	15	0.35	1.51
1229029124	155	2.45	< 10	< 1	0.11	14	0.76	0.059	0.040	2.19	< 2	1	23	< 0.01	2	< 2	< 10	14	< 10	3	15	0.34	2.03
1231096670	61	2.64	< 10	< 1	0.19	22	1.25	0.031	0.055	1.04	< 2	1	23	0.04	2	< 2	< 10	16	< 10	2	9	0.28	0.84
1228014495	122	5.82	< 10	< 1	0.19	14	1.11	0.023	0.039	5.74	4	< 1	10	< 0.01	3	< 2	< 10	6	< 10	2	14	0.07	4.92
1229029063	163	2.45	< 10	< 1	0.11	14	0.82	0.052	0.042	2.46	< 2	1	19	< 0.01	2	< 2	< 10	14	< 10	3	16	0.21	2.10
1228014529	116	4.01	< 10	< 1	0.21	16	1.03	0.027	0.044	4.11	< 2	< 1	22	< 0.01	7	< 2	< 10	6	< 10	2	16	0.12	3.90
1231096619	81	2.41	< 10	< 1	0.21	20	1.21	0.134	0.049	0.99	< 2	1	108	0.05	< 1	< 2	< 10	21	< 10	2	11	0.18	0.93
1229029105	146	2.42	< 10	< 1	0.18	20	0.95	0.060	0.047	1.98	< 2	1	28	< 0.01	< 1	< 2	< 10	15	< 10	3	18	0.29	1.80
1228014528	93	2.61	< 10	< 1	0.21	16	1.22	0.110	0.041	2.49	< 2	< 1	52	< 0.01	< 1	< 2	< 10	7	< 10	2	17	0.11	2.41
1228014373	77	3.18	< 10	< 1	0.19	19	1.36	0.073	0.045	2.85	< 2	1	42	0.02	2	< 2	< 10	14	< 10	3	20	0.18	2.76
1228014566	98	3.61	< 10	< 1	0.19	14	1.12	0.072	0.038	2.88	2	< 1	64	< 0.01	2	< 2	< 10	9	< 10	2	16	0.14	2.56
1228014367	120	2.76	< 10	< 1	0.19	16	1.34	0.140	0.040	2.08	2	< 1	55	< 0.01	10	< 2	< 10	10	< 10	2	17	0.10	1.94
1228014337	109	2.92	< 10	< 1	0.20	17	1.24	0.070	0.047	2.68	< 2	2	43	0.03	1	< 2	< 10	18	< 10	4	21	0.11	2.28
V842452																							
1228013098	363	2.62	< 10	< 1	0.14	15	0.76	0.088	0.040	1.83	3	1	34	0.05	5	< 2	< 10	18	< 10	3	16	0.11	1.71
1228013288	237	2.55	< 10	< 1	0.12	14	0.89	0.084	0.041	2.17	< 2	2	37	0.01	1	< 2	< 10	15	< 10	3	15	0.16	1.98
1228013240	260	2.39	< 10	< 1	0.12	14	0.73	0.072	0.040	1.83	3	1	26	0.03	< 1	< 2	< 10	15	< 10	3	15	0.11	1.66
1231096661	216	4.31	< 10	< 1	0.39	73	2.58	0.057	0.213	0.47	< 2	8	107	0.07	< 1	< 2	< 10	89	< 10	7	2	0.18	0.43
1231096408	99	3.33	10	< 1	0.27	23	1.37	0.207	0.060	0.88	< 2	2	132	0.10	4	< 2	< 10	33	< 10	3	13	0.07	0.77
1228014577	224	3.63	< 10	< 1	0.24	24	1.54	0.323	0.053	2.62	< 2	2	119	0.02	< 1	< 2	< 10	20	< 10	3	15	0.16	2.38
1231029094	281	2.64	< 10	< 1	0.32	19	1.03	0.188	0.048	1.64	3	1	118	0.04	1	< 2	< 10	18	< 10	2	14	0.36	1.49
1228014452	193	3.04	< 10	< 1	0.22	15	1.30	0.076	0.040	2.82	< 2	< 1	29	< 0.01	< 1	< 2	< 10	9	< 10	2	19	0.10	2.86
1231096511	212	2.64	10	< 1	0.20	21	1.25	0.158	0.053	0.93	2	1	133	0.04	< 1	< 2	< 10	22	< 10	2	10	0.16	0.82
1229029199	376	2.63	< 10	< 1	0.16	14	0.74	0.057	0.041	2.27	2	1	23	< 0.01	9	< 2	< 10	15	< 10	3	16	0.21	2.14
V842453	14	3.37	< 10	< 1	0.23	11	0.53	0.242	0.059	0.06	< 2	4	39	0.48	3	< 2	< 10	98	< 10	17	19	0.02	0.06
1231096021	324	2.51	10	< 1	0.70	21	1.19	0.385	0.059	0.45	3	2	260	0.10	5	< 2	< 10	34	< 10	3	8	0.32	0.41
1228006176	299	2.16	< 10	< 1	0.34	14	0.90	0.140	0.039	1.03	3	1	180	0.03	1	< 2	< 10	14	< 10	2	12	0.21	0.91
1228006193	235	2.38	< 10	< 1	0.32	14	1.06	0.257	0.042	1.98	3	< 1	132	< 0.01	< 1	< 2	< 10	9	< 10	2	17	0.23	1.79

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
1231030169	134	3.03	< 10	< 1	0.22	13	1.79	0.030	0.045	1.86	< 2	< 1	20	< 0.01	1	< 2	< 10	12	< 10	1	10	0.01	1.70
1231030093	161	3.67	< 10	< 1	0.22	14	1.23	0.045	0.046	2.66	3	1	19	< 0.01	< 1	< 2	< 10	15	< 10	2	14	0.09	2.36
1231096409	261	2.61	< 10	< 1	0.22	22	0.96	0.245	0.048	0.86	3	1	141	0.05	2	< 2	< 10	18	< 10	2	13	0.05	0.75
1227001015	242	2.76	10	< 1	0.43	13	1.64	0.129	0.047	0.55	< 2	5	65	0.04	< 1	< 2	< 10	43	< 10	2	9	0.29	0.47
1231029116	132	2.11	< 10	< 1	0.19	16	1.13	0.257	0.041	1.08	< 2	< 1	114	< 0.01	< 1	< 2	< 10	10	< 10	2	9	0.14	0.98
1231029021	199	3.29	< 10	< 1	0.29	17	1.20	0.230	0.051	2.85	3	2	94	0.03	< 1	< 2	< 10	21	< 10	2	20	0.36	2.66
1228013280	323	2.06	< 10	< 1	0.18	16	0.73	0.112	0.042	1.01	3	1	46	< 0.01	< 1	< 2	< 10	12	< 10	3	13	0.11	0.88
1228013218	393	2.60	< 10	< 1	0.13	16	0.81	0.125	0.042	2.03	3	2	52	0.02	1	< 2	< 10	17	< 10	3	15	0.13	1.88
V842454	14	3.93	< 10	< 1	0.45	30	0.80	0.194	0.096	0.08	5	6	55	0.46	7	< 2	< 10	123	< 10	24	8	0.10	0.08
1228013101	371	2.60	< 10	< 1	0.19	14	0.72	0.099	0.040	1.74	2	2	34	0.03	4	< 2	< 10	20	< 10	3	17	0.23	1.56
1231096020	526	2.69	10	< 1	0.73	20	1.17	0.454	0.053	0.46	3	2	379	0.11	2	< 2	< 10	33	< 10	3	9	0.11	0.42
1228013144	327	2.73	< 10	< 1	0.13	16	0.80	0.076	0.042	2.06	3	2	27	0.03	3	< 2	< 10	17	< 10	3	15	0.16	1.86
1231030142	138	3.41	< 10	< 1	0.20	15	1.60	0.036	0.047	2.11	< 2	< 1	15	< 0.01	2	< 2	< 10	14	< 10	3	9	0.06	1.94
1231030072	190	2.21	< 10	< 1	0.23	15	0.79	0.168	0.052	1.82	< 2	1	74	0.03	2	< 2	< 10	15	< 10	2	17	0.20	1.75
1228013208	284	2.69	< 10	< 1	0.14	14	0.89	0.189	0.039	1.04	< 2	1	62	< 0.01	< 1	< 2	< 10	14	< 10	2	12	0.29	0.91
1228013197	337	2.58	< 10	< 1	0.21	14	0.83	0.055	0.041	1.94	3	1	21	0.02	< 1	< 2	< 10	16	< 10	3	16	0.23	1.81
V842455																							
1231029422	120	2.70	< 10	< 1	0.21	11	1.25	0.072	0.039	1.68	< 2	< 1	59	< 0.01	< 1	< 2	< 10	12	< 10	1	9	0.13	1.54
1231096367	240	2.37	< 10	< 1	0.18	20	1.02	0.205	0.053	0.97	4	1	131	0.02	2	< 2	< 10	16	< 10	2	9	0.08	0.84
1229029170	439	2.99	< 10	< 1	0.18	13	0.78	0.054	0.039	2.78	3	1	21	0.01	< 1	< 2	< 10	15	< 10	3	17	0.20	2.72
1229029117	338	2.56	< 10	< 1	0.16	15	0.84	0.116	0.042	1.85	< 2	1	45	0.02	< 1	< 2	< 10	16	< 10	3	14	0.16	1.59
1229029024	498	2.58	< 10	< 1	0.17	15	0.91	0.081	0.042	1.88	3	2	30	0.03	< 1	< 2	< 10	17	< 10	3	18	0.19	1.76
1228014446	380	2.74	< 10	< 1	0.18	15	1.22	0.146	0.042	2.35	< 2	< 1	53	< 0.01	2	< 2	< 10	12	< 10	2	15	0.15	2.23
1228014397	226	3.75	< 10	< 1	0.26	15	1.50	0.137	0.055	3.32	< 2	2	56	0.06	3	< 2	< 10	31	< 10	5	15	0.21	3.04
1231096314	208	2.27	10	< 1	0.45	24	1.41	0.203	0.063	0.29	9	2	112	0.10	< 1	< 2	< 10	26	< 10	3	10	0.09	0.27
1231026369	220	2.44	< 10	< 1	0.25	14	1.69	0.143	0.038	1.24	< 2	< 1	63	< 0.01	1	< 2	< 10	12	< 10	2	10	0.20	1.14
1228014407	246	2.74	< 10	< 1	0.26	16	1.27	0.118	0.044	2.49	< 2	1	66	0.03	< 1	< 2	< 10	16	< 10	3	19	0.15	2.25
V842456	10	1.50	< 10	< 1	0.09	< 10	0.12	0.149	0.031	0.02	< 2	1	23	0.30	8	< 2	< 10	38	< 10	8	16		
1228013015	629	2.78	< 10	< 1	0.14	15	0.79	0.205	0.040	1.81	4	1	100	0.04	2	< 2	< 10	17	< 10	3	13	0.20	1.64
1228013044	802	2.76	< 10	< 1	0.23	13	0.76	0.073	0.038	1.81	3	2	23	0.02	3	< 2	< 10	19	< 10	3	16	0.23	1.64
1228013165	470	3.13	< 10	< 1	0.16	16	0.90	0.112	0.041	2.57	3	2	51	0.01	4	< 2	< 10	16	< 10	3	17	0.08	2.37
1228006332	160	4.51	< 10	< 1	0.28	15	1.08	0.032	0.041	4.28	< 2	< 1	30	< 0.01	2	< 2	< 10	8	< 10	1	14	0.18	3.96
1228006317	161	4.94	< 10	< 1	0.12	< 10	2.50	0.478	0.021	0.15	3	9	71	0.23	< 1	< 2	< 10	144	< 10	4	3	0.15	0.14
1231029415	235	2.92	< 10	< 1	0.25	15	1.39	0.130	0.043	1.72	< 2	1	60	0.01	< 1	< 2	< 10	14	< 10	3	10	0.17	1.64
1228006265	159	2.54	< 10	< 1	0.25	16	1.00	0.072	0.050	1.84	< 2	< 1	109	< 0.01	2	< 2	< 10	11	< 10	1	11	0.31	1.67
1228006253	111	1.79	< 10	< 1	0.35	11	1.08	0.053	0.033	0.72	< 2	< 1	72	0.03	< 1	< 2	< 10	9	< 10	1	12	0.57	0.65
1228006170	207	4.93	< 10	< 1	0.05	< 10	2.07	0.676	0.022	0.09	< 2	8	75	0.22	< 1	< 2	< 10	147	< 10	4	3	0.17	0.09
1228006221	189	5.34	< 10	< 1	0.07	< 10	2.56	0.380	0.021	0.09	2	8	76	0.26	1	< 2	< 10	148	< 10	4	3	0.15	0.09
1228013130	588	2.60	< 10	< 1	0.24	14	0.67	0.068	0.040	1.77	4	2	26	0.01	< 1	< 2	< 10	17	< 10	3	17	0.28	1.60
1228013191	347	2.77	< 10	< 1	0.25	15	0.74	0.085	0.042	2.25	3	1	37	< 0.01	< 1	< 2	< 10	14	< 10	3	19	0.35	2.05
V842457																							
1228015204	173	2.31	< 10	< 1	0.17	15	0.83	0.072	0.038	1.33	< 2	< 1	44	< 0.01	< 1	< 2	< 10	10	< 10	3	13	0.60	1.16
1228015054	183	2.17	< 10	< 1	0.12	13	0.89	0.077	0.039	1.64	< 2	1	34	< 0.01	< 1	< 2	< 10	15	< 10	3	13	0.13	1.49
1228015049	160	2.54	< 10	< 1	0.12	14	0.85	0.069	0.040	2.15	< 2	1	30	0.02	< 1	< 2	< 10	14	< 10	3	16	0.12	2.05
1229031275	113	3.35	< 10	< 1	0.19	14	1.14	0.102	0.035	1.43	3	1	87	0.02	2	< 2	< 10	14	< 10	1	11	0.16	1.37
1228015060	167	2.10	< 10	< 1	0.13	14	0.75	0.087	0.040	1.56	< 2	1	40	< 0.01	< 1	< 2	< 10	11	< 10	3	17	0.22	1.47
1228015286	182	2.23	< 10	< 1	0.14	14	0.97	0.146	0.041	0.99	< 2	1	58	0.03	< 1	< 2	< 10	16	< 10	3	14	0.18	0.90
1231095102	168	2.83	< 10	< 1	0.22	19	1.09	0.066	0.048	1.49	3	1	43	0.01	< 1	< 2	< 10	16	< 10	3	11	0.14	1.34
V842458																							
1228014135	130	3.29	< 10	< 1	0.53	14	1.87	0.158	0.048	1.53	< 2	3	78	0.11	< 1	< 2	< 10	44	< 10	4	14	0.21	1.50
1228014162	142	3.38	< 10	< 1	0.30	16	1.39	0.106	0.045	2.57	3	1	47	0.04	3	< 2	< 10	15	< 10	3	19	0.13	2.43

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
1231096192	162	2.26	< 10	< 1	0.12	19	1.07	0.166	0.048	1.44	< 2	< 1	122	< 0.01	< 1	< 2	< 10	13	< 10	2	12	0.10	1.33
1228014031	139	2.19	< 10	< 1	0.25	16	1.14	0.204	0.042	1.98	2	< 1	73	< 0.01	< 1	< 2	< 10	10	< 10	2	16	0.23	1.82
1228014266	140	2.51	< 10	< 1	0.18	17	1.29	0.050	0.048	2.04	< 2	< 1	26	< 0.01	< 1	< 2	< 10	13	< 10	3	16	0.07	2.01
1228014030	134	2.20	< 10	< 1	0.22	16	0.76	0.111	0.045	2.23	3	< 1	52	< 0.01	2	< 2	< 10	9	< 10	2	13	0.11	2.07
1231096421	187	1.40	< 10	< 1	0.12	10	0.95	0.173	0.039	0.30	3	1	91	< 0.01	< 1	8	< 10	13	< 10	2	4	0.11	0.28
1231096659	186	2.64	< 10	< 1	0.19	37	1.16	0.044	0.090	1.01	2	3	43	< 0.01	< 1	< 2	< 10	31	< 10	4	7	0.11	0.92
1228014267	126	3.22	< 10	< 1	0.20	17	1.52	0.050	0.051	2.75	2	1	25	< 0.01	< 1	< 2	< 10	16	< 10	3	20	0.07	2.48
1231096381	186	1.79	< 10	< 1	0.13	16	0.96	0.143	0.042	0.70	2	1	74	0.02	< 1	< 2	< 10	19	< 10	2	7	0.23	0.67
V842459	13	3.01	< 90	< 9	0.31	< 93	0.44	0.278	0.049	< 0.09	< 20	< 9	56	0.46	< 9	< 20	< 93	71	< 93	21	37		
1231096932	127	2.25	< 10	< 1	0.24	19	0.92	0.080	0.060	1.24	< 2	2	67	0.03	< 1	< 2	< 10	22	< 10	3	10	0.19	1.17
1231096238	211	1.67	< 10	< 1	0.16	17	1.12	0.178	0.040	0.52	< 2	1	98	0.01	4	< 2	< 10	19	< 10	2	7	0.44	0.50
1231096499	208	3.46	< 10	< 1	1.11	61	2.07	0.072	0.164	0.32	3	6	141	0.15	2	< 2	< 10	72	< 10	6	4	0.49	0.31
1231096807	124	2.04	< 10	< 1	0.20	15	0.39	0.047	0.044	1.96	< 2	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	2	13	0.03	1.73
1231096827	129	1.97	< 10	< 1	0.18	15	0.59	0.056	0.043	1.72	3	< 1	51	< 0.01	5	< 2	< 10	6	< 10	2	11	0.08	1.59
1231096859	71	2.70	< 10	< 1	0.23	14	0.61	0.023	0.017	2.71	< 2	< 1	30	< 0.01	2	< 2	< 10	11	< 10	2	10	0.03	2.43
1231096233	141	1.69	< 10	< 1	0.16	15	0.86	0.237	0.041	0.90	< 2	< 1	134	< 0.01	2	< 2	< 10	11	< 10	2	7	0.08	0.83
1231096880	107	1.71	< 10	< 1	0.15	14	0.81	0.074	0.041	1.16	< 2	< 1	51	< 0.01	< 1	< 2	< 10	11	< 10	2	9	0.14	1.05
1231096882	105	2.97	< 10	< 1	0.17	30	1.06	0.034	0.071	2.57	< 2	2	25	< 0.01	5	< 2	< 10	27	< 10	4	12	0.14	2.46
1231095318	197	2.22	< 10	< 1	0.15	17	0.98	0.107	0.044	1.29	< 2	2	65	0.02	4	< 2	< 10	21	< 10	2	13	0.10	1.16
1228014037	155	4.00	< 10	< 1	0.22	16	2.06	0.057	0.051	2.25	< 2	2	35	0.03	1	< 2	< 10	27	< 10	4	13	0.19	2.00
1231096463	163	1.71	< 10	< 1	0.12	18	1.09	0.156	0.041	0.68	< 2	1	89	< 0.01	7	< 2	< 10	13	< 10	2	5	0.10	0.62
1231096567	109	2.47	< 10	< 1	0.24	17	1.35	0.108	0.050	0.92	6	2	104	0.04	< 1	< 2	< 10	21	< 10	2	10	0.13	0.87
1231096876	133	2.29	< 10	< 1	0.18	16	0.98	0.064	0.043	1.86	< 2	< 1	60	< 0.01	< 1	< 2	< 10	10	< 10	2	10	0.22	1.62
1231095283	150	2.12	< 10	< 1	0.14	18	1.01	0.167	0.047	0.77	2	2	106	0.01	2	< 2	< 10	21	< 10	2	11	0.16	0.71
V842460	9	1.53	< 40	< 4	0.10	< 38	0.13	0.189	0.033	< 0.04	< 8	< 4	25	0.37	< 4	< 8	< 38	43	< 38	9	22		
1231095359	118	2.22	< 10	< 1	0.20	18	0.93	0.129	0.049	1.50	< 2	1	67	0.01	< 1	< 2	< 10	14	< 10	2	12	0.17	1.36
1231096294	81	1.83	< 10	< 1	0.13	21	1.11	0.194	0.055	1.03	< 2	1	140	< 0.01	4	< 2	< 10	14	< 10	2	8	0.09	0.89
1231096370	127	1.80	< 10	< 1	0.14	22	1.05	0.203	0.055	0.98	2	1	178	< 0.01	2	< 2	< 10	14	< 10	2	7	0.09	0.90
1231096531	101	2.29	< 10	< 1	0.20	15	1.23	0.104	0.046	1.28	< 2	1	76	< 0.01	< 1	2	< 10	13	< 10	2	11	0.12	1.08
1231096428	131	2.09	< 10	< 1	0.17	15	1.08	0.133	0.043	1.03	< 2	< 1	80	< 0.01	< 1	< 2	< 10	13	< 10	2	9	0.47	0.97
1229031203	131	4.12	< 10	< 1	0.20	12	1.02	0.049	0.035	1.00	< 2	1	43	0.03	9	< 2	< 10	14	< 10	1	11	0.17	0.87
1229031142	117	2.67	< 10	< 1	0.23	17	0.75	0.029	0.045	2.18	< 2	< 1	22	< 0.01	< 1	< 2	< 10	6	< 10	2	17	0.09	1.95
1229031033	111	2.81	< 10	< 1	0.18	13	1.11	0.082	0.051	1.76	< 2	< 1	67	< 0.01	7	< 2	< 10	10	< 10	2	18	0.09	1.64
1231095390	176	2.05	< 10	< 1	0.22	16	1.03	0.106	0.043	1.13	< 2	1	56	< 0.01	< 1	< 2	< 10	12	< 10	1	10	0.13	1.03
1231095437	98	2.03	< 10	< 1	0.12	14	1.00	0.041	0.030	1.50	< 2	< 1	26	< 0.01	< 1	< 2	< 10	12	< 10	1	12	0.11	1.38
V842461	14	3.75	< 10	< 1	0.45	31	0.78	0.196	0.097	0.08	2	6	55	0.46	4	< 2	< 10	123	< 10	23	9	0.10	0.08
1228015305	189	1.99	< 10	< 1	0.16	15	0.70	0.061	0.040	0.96	< 2	1	33	0.02	2	< 2	< 10	12	< 10	3	14	0.31	0.91
1231095379	218	2.00	< 10	< 1	0.17	15	0.94	0.141	0.045	0.58	< 2	2	77	0.05	2	< 2	< 10	29	< 10	3	10	0.08	0.50
1231095109	151	1.97	< 10	< 1	0.20	13	0.71	0.060	0.046	0.99	< 2	1	37	0.02	< 1	< 2	< 10	13	< 10	2	8	0.05	0.89
1229031331	112	3.42	< 10	< 1	0.26	11	0.73	0.045	0.033	1.71	< 2	< 1	25	0.03	4	< 2	< 10	8	< 10	2	17	0.16	1.57
1231095126	168	1.67	< 10	< 1	0.30	18	1.14	0.100	0.045	0.28	< 2	2	83	0.03	< 1	< 2	< 10	22	< 10	2	8	0.27	0.26
1231095080	195	2.03	< 10	< 1	0.19	12	0.82	0.152	0.039	1.17	2	1	99	< 0.01	5	< 2	< 10	16	< 10	2	8	0.06	1.09
1231095213	98	1.81	< 10	< 1	0.17	16	0.97	0.120	0.045	1.46	< 2	< 1	81	< 0.01	1	< 2	< 10	11	< 10	1	10	0.14	1.36
1231095446	158	2.67	10	< 1	0.28	28	1.45	0.182	0.071	1.03	< 2	3	129	0.08	< 1	< 2	< 10	37	< 10	3	11	0.28	0.96
1231095182	180	2.03	< 10	< 1	0.19	14	0.85	0.105	0.042	1.23	< 2	1	52	0.02	1	< 2	< 10	15	< 10	2	8	0.10	1.12
1231095403	156	2.34	< 10	< 1	0.42	24	1.25	0.214	0.064	1.13	< 2	1	66	0.07	4	< 2	< 10	25	< 10	3	11	0.20	0.98
1231095519	133	1.95	< 10	< 1	0.23	20	0.94	0.197	0.050	0.68	< 2	1	80	0.04	1	< 2	< 10	15	< 10	2	9	0.08	0.61
1231095552	135	2.18	< 10	< 1	0.24	17	1.03	0.099	0.039	0.55	< 2	2	55	0.03	< 1	< 2	< 10	23	< 10	3	9	0.58	0.56
1231095110	144	1.96	< 10	< 1	0.18	13	0.80	0.069	0.040	0.97	< 2	< 1	37	0.01	5	< 2	< 10	13	< 10	2	8	0.09	0.89
1231095169	139	1.57	< 10	< 1	0.18	15	0.83	0.123	0.057	0.82	< 2	1	85	0.01	3	< 2	< 10	14	< 10	2	7	0.14	0.75
1228015317	138	3.39	< 10	< 1	0.13	25	1.25	0.142	0.057	2.09	2	2	51	< 0.01	< 1	< 2	< 10	23	< 10	4	16	0.33	1.92

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
1229031348	139	3.96	10	< 1	0.19	14	1.50	0.084	0.037	0.84	< 2	2	92	0.05	5	< 2	< 10	24	< 10	2	14	0.15	0.77
1231095452	180	2.54	< 10	< 1	0.27	27	1.20	0.244	0.066	1.46	< 2	2	96	0.03	3	< 2	< 10	28	< 10	3	13	0.22	1.38
V842462																							
1229031002	133	2.37	< 10	< 1	0.16	17	1.85	0.137	0.043	1.25	< 2	1	94	0.03	< 1	< 2	< 10	15	< 10	2	15	0.13	1.17
1229031087	135	2.48	< 10	< 1	0.22	15	1.18	0.157	0.045	2.04	< 2	< 1	105	0.02	< 1	< 2	< 10	12	< 10	2	18	0.10	1.83
1229031125	128	3.40	< 10	< 1	0.19	11	0.91	0.037	0.035	1.34	< 2	< 1	35	0.02	6	< 2	< 10	11	< 10	1	9	0.16	1.25
1229031068	117	3.59	< 10	< 1	0.23	14	1.29	0.028	0.044	2.08	3	1	25	0.02	4	< 2	< 10	13	< 10	3	15	0.13	1.89
1229031085	109	2.70	< 10	< 1	0.21	13	1.60	0.062	0.039	2.07	2	< 1	31	0.02	< 1	< 2	< 10	9	< 10	2	16	0.07	1.95
1229031051	138	3.07	< 10	< 1	0.17	11	0.81	0.124	0.034	0.96	< 2	< 1	74	0.03	< 1	< 2	< 10	11	< 10	1	11	0.21	0.98
1229031096	81	2.42	< 10	< 1	0.26	16	1.84	0.128	0.048	1.29	< 2	1	85	0.05	< 1	< 2	< 10	14	< 10	2	18	0.15	1.12
1229031163	152	2.82	< 10	< 1	0.31	31	1.28	0.154	0.108	1.75	< 2	2	156	0.04	6	< 2	< 10	27	< 10	4	12	0.22	1.65
1229031222	143	3.38	< 10	< 1	0.17	11	1.00	0.055	0.034	1.60	< 2	< 1	42	< 0.01	< 1	< 2	< 10	7	< 10	2	9	0.17	1.57
1230098240	135	3.90	10	< 1	0.36	< 10	2.19	0.131	0.038	1.54	< 2	3	33	0.05	< 1	< 2	< 10	40	< 10	2	9	0.08	1.41
1229031316	175	2.69	< 10	< 1	0.08	14	0.75	0.156	0.040	1.95	< 2	< 1	100	< 0.01	3	< 2	< 10	11	< 10	2	13	0.03	1.80
1229031299	187	3.43	< 10	< 1	0.08	12	1.01	0.222	0.034	2.30	< 2	1	126	< 0.01	< 1	< 2	< 10	17	< 10	2	20	0.09	2.13
1229031248	187	3.42	< 10	< 1	0.27	39	1.36	0.203	0.167	1.20	< 2	3	213	0.06	5	< 2	< 10	39	< 10	5	5	0.31	1.14
1228015222	139	1.78	< 10	< 1	0.15	17	1.24	0.069	0.044	1.77	2	< 1	30	0.01	1	< 2	< 10	9	< 10	2	17	0.27	1.65
1228015025	130	2.32	< 10	< 1	0.15	28	1.28	0.077	0.058	2.50	< 2	1	29	< 0.01	< 1	< 2	< 10	10	< 10	3	21	0.19	2.14
V842463	15	3.79	< 30	< 3	0.33	< 26	0.68	0.210	0.073	0.07	< 5	6	38	0.67	11	< 5	< 26	139	< 26	20	26		
1231096701	76	2.31	10	< 1	0.23	20	1.13	0.226	0.051	0.92	< 2	1	199	0.04	2	< 2	< 10	23	< 10	2	9	0.14	0.86
1231096684	118	1.97	< 10	< 1	0.17	16	0.88	0.121	0.048	0.96	< 2	1	74	< 0.01	2	< 2	< 10	13	< 10	2	5	0.06	0.92
1229029060	153	2.46	< 10	< 1	0.16	15	1.11	0.049	0.042	2.28	< 2	1	23	0.02	< 1	< 2	< 10	13	< 10	3	15	0.17	2.17
1228014152	91	2.25	< 10	< 1	0.32	16	1.15	0.173	0.047	1.20	< 2	2	109	0.04	2	< 2	< 10	22	< 10	2	11	0.31	1.09
1231096643	119	2.42	< 10	2	0.17	20	0.90	0.115	0.045	1.26	2	1	100	< 0.01	< 1	< 2	< 10	12	< 10	2	14	0.16	1.26
1228014246	123	3.56	< 10	< 1	0.21	16	1.31	0.111	0.045	3.05	3	< 1	45	< 0.01	2	< 2	< 10	11	< 10	2	15	0.10	2.66
1231096592	104	2.31	< 10	< 1	0.22	17	1.30	0.060	0.047	0.86	< 2	1	56	0.02	< 1	< 2	< 10	18	< 10	2	10	0.15	0.85
1228014272	125	2.62	< 10	< 1	0.22	15	1.41	0.100	0.046	1.91	< 2	1	49	0.01	13	< 2	< 10	13	< 10	2	14	0.18	1.76
1228014193	135	2.17	< 10	< 1	0.22	18	1.31	0.248	0.054	1.37	2	< 1	111	0.03	< 1	< 2	< 10	15	< 10	2	12	0.13	1.22
1228014192	136	3.27	< 10	< 1	0.23	16	1.69	0.156	0.049	2.23	< 2	2	69	0.04	< 1	< 2	< 10	23	< 10	4	15	0.16	2.01
1228014062	183	3.14	< 10	< 1	0.14	13	1.44	0.045	0.038	2.10	< 2	< 1	26	< 0.01	< 1	< 2	< 10	10	< 10	2	13	0.04	2.00
1228014105	115	2.03	< 10	< 1	0.23	15	1.12	0.148	0.041	1.41	< 2	1	71	0.02	3	< 2	< 10	12	< 10	2	16	0.18	1.30
1228014080	118	3.34	< 10	< 1	0.28	14	1.72	0.137	0.049	2.05	< 2	2	58	0.05	< 1	< 2	< 10	32	< 10	4	16	0.14	1.91
1228014245	123	3.26	< 10	< 1	0.17	17	1.48	0.105	0.045	2.79	< 2	< 1	46	< 0.01	3	< 2	< 10	11	< 10	3	15	0.08	2.57

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1115501006	
1115501342	
1115501257	
1230048002	
1115501160	
1230048083	
1230048116	
1228013070	
1230048245	
1115501246	5.20
1228013036	
1228013095	
1231029143	
1231030211	
1231030225	
1231029358	
1231029081	
1228013013	
V842451	
1228014304	
1231029364	
1228006282	
1228014381	
1229029244	
1229029124	
1231096670	
1228014495	
1229029063	
1228014529	
1231096619	
1229029105	
1228014528	
1228014373	
1228014566	
1228014367	
1228014337	
V842452	
1228013098	
1228013288	
1228013240	
1231096661	
1231096408	
1228014577	
1231029094	
1228014452	
1231096511	
1229029199	
V842453	
1231096021	
1228006176	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1228006193	
1231030169	
1231030093	
1231096409	
1227001015	
1231029116	
1231029021	
1228013280	
1228013218	
V842454	
1228013101	
1231096020	
1228013144	
1231030142	
1231030072	
1228013208	
1228013197	
V842455	
1231029422	
1231096367	
1229029170	
1229029117	
1229029024	
1228014446	
1228014397	
1231096314	
1231026369	
1228014407	
V842456	
1228013015	
1228013044	
1228013165	
1228006332	
1228006317	
1231029415	
1228006265	
1228006253	
1228006170	
1228006221	
1228013130	
1228013191	
V842457	
1228015204	
1228015054	
1228015049	
1229031275	
1228015060	
1228015286	
1231095102	
V842458	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1228014135	
1228014162	
1231096192	
1228014031	
1228014266	
1228014030	
1231096421	
1231096659	
1228014267	
1231096381	
V842459	
1231096932	
1231096238	
1231096499	
1231096807	
1231096827	
1231096859	
1231096233	
1231096880	
1231096882	
1231095318	
1228014037	
1231096463	
1231096567	
1231096876	
1231095283	
V842460	
1231095359	
1231096294	
1231096370	
1231096531	
1231096428	
1229031203	
1229031142	
1229031033	
1231095390	
1231095437	
V842461	
1228015305	
1231095379	
1231095109	
1229031331	
1231095126	
1231095080	
1231095213	
1231095446	
1231095182	
1231095403	
1231095519	
1231095552	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1231095110	
1231095169	
1228015317	
1229031348	
1231095452	
V842462	
1229031002	
1229031087	
1229031125	
1229031068	
1229031085	
1229031051	
1229031096	
1229031163	
1229031222	
1230098240	
1229031316	
1229031299	
1229031248	
1228015222	
1228015025	
V842463	
1231096701	
1231096684	
1229029060	
1228014152	
1231096643	
1228014246	
1231096592	
1228014272	
1228014193	
1228014192	
1228014062	
1228014105	
1228014080	
1228014245	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas								0.3	< 0.5	73	1110	1	24	97	129	6.61	261	< 10	687	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.2	< 0.5	72	1070	1	24	92	127	6.26	254	< 10	661	0.9	5	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	72	1070	2	23	96	125	6.27	256	< 10	650	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	74	1100	1	25	94	129	6.51	242	< 10	679	0.9	4	0.12	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	13.8
BaSO4 Meas																							
BaSO4 Cert																							
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SGR-1b Meas																							
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GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
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																							
NBM-1 (slight fzz) Meas		42.3				8.56																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		43.3				8.32																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.4																					
NBM-1 (slight fzz) Cert		46.6																					
NBM-1 (slight fzz) Meas		43.3																					
NBM-1 (slight fzz) Cert		46.6																					
NBM-1 (slight fzz) Meas		42.2																					
NBM-1 (slight fzz) Cert		46.6																					
OREAS 922 (AQUA REGIA) Meas								0.7	< 0.5	2300	785	< 1	35	56	262	2.69	4		83	0.8	8	0.43	17
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								0.8	< 0.5	2280	762	2	34	56	254	2.56	18		76	0.8	7	0.42	17
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								0.8	< 0.5	2330	761	< 1	34	58	259	2.54	8		77	0.8	7	0.43	17
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								0.8	< 0.5	2300	766	< 1	34	55	258	2.60	9		71	0.8	< 2	0.41	17
OREAS 922								0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas								1.7	< 0.5	4470	892	< 1	33	76	340	2.68	8		66	0.7	13	0.44	20
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								1.7	< 0.5	4450	851	< 1	28	75	324	2.53	7		62	0.7	17	0.43	20
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								1.7	< 0.5	4470	893	< 1	32	84	344	2.66	7		58	0.7	10	0.42	20
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								11.0		> 10000				86	421						< 2		42
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.2		> 10000				85	420						< 2		42
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.5		> 10000				88	425						< 2		44
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.3		> 10000				87	425						< 2		43
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
OREAS 220 (Fire Assay) Meas							890																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							862																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							853																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							851																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							874																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire							851																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							846																
OREAS 220 (Fire Assay) Cert							866																
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas								68.3	269	3550	530	13	23	> 5000	> 10000	1.58	78			0.6	< 2	1.67	27
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								72.7	273	3750	540	14	23	> 5000	> 10000	1.53	87			0.6	< 2	1.75	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								73.8	278	3760	547	14	23	> 5000	> 10000	1.64	85			0.6	< 2	1.60	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								71.9	280	3700	545	14	23	> 5000	> 10000	1.59	84			0.6	< 2	1.73	28
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas							3120																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3050																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3060																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3020																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3090																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3030																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire							3090																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
OREAS 238 (Fire Assay) Cert							3030																
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																							
1230048245 Orig								0.7	< 0.5	69	455	1	15	2	159	2.06	34	< 10	37	< 0.5	2	0.19	7
1230048245 Dup								0.7	< 0.5	70	445	2	15	< 2	155	2.04	33	< 10	38	< 0.5	2	0.18	7
1115501246 Orig							> 5000																
1115501246 Dup																							
1228014304 Orig							136																
1228014304 Dup							140																
1229029244 Orig								0.4	< 0.5	77	404	2	12	8	71	1.40	8	< 10	44	< 0.5	< 2	1.24	6
1229029244 Dup								0.3	< 0.5	70	397	1	12	8	68	1.40	8	< 10	44	< 0.5	4	1.22	6
1231096619 Orig							38																
1231096619 Dup							36																
1229029105 Orig																							
1229029105 Dup																							
1228013098 Orig								0.3	< 0.5	110	451	4	19	< 2	55	1.10	8	< 10	48	< 0.5	< 2	0.55	8
1228013098 Dup								1.0	< 0.5	116	467	4	19	< 2	55	1.12	9	< 10	50	< 0.5	< 2	0.58	8
1231096661 Orig																							
1231096661 Dup																							
1231096021 Orig	9.16	24.0	14.8	12.6	1.91																		
1231096021 Dup	9.16	24.8	15.6	12.6	1.97																		
1228006193 Orig								0.3	< 0.5	43	400	< 1	16	2	59	2.51	18	< 10	42	< 0.5	4	1.31	6
1228006193 Dup								0.3	< 0.5	39	388	< 1	13	3	62	2.43	18	< 10	48	< 0.5	2	1.29	6
1231030169 Orig																							
1231030169 Dup																							
1227001015 Orig							44																
1227001015 Dup							51																
1231096020 Orig																							
1231096020 Dup																							
1231030072 Orig							78																
1231030072 Dup							83																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229029024 Orig								0.3	0.7	113	505	4	24	< 2	257	1.21	9	< 10	47	< 0.5	< 2	0.79	8
1229029024 Dup								0.4	0.6	114	491	4	25	< 2	251	1.15	8	< 10	48	< 0.5	< 2	0.78	8
1228013015 Orig							107																
1228013015 Dup							112																
1228006332 Orig																							
1228006332 Dup																							
1228006170 Orig								< 0.2	< 0.5	126	553	< 1	49	< 2	48	5.24	3	< 10	19	< 0.5	< 2	4.22	22
1228006170 Dup								< 0.2	< 0.5	124	555	< 1	47	< 2	51	5.20	< 2	< 10	17	< 0.5	< 2	4.08	22
1228013130 Orig							218																
1228013130 Dup							215																
1228015054 Orig																							
1228015054 Dup																							
1231095102 Orig	37.4	9.46	-27.9	41.0	0.230		241																
1231095102 Dup	37.4	9.47	-27.9	41.0	0.231		253																
1228014135 Orig								0.8	2.4	41	1180	1	16	11	577	3.23	21	< 10	44	< 0.5	7	2.12	10
1228014135 Dup								0.7	2.3	43	1180	< 1	16	8	577	3.19	20	< 10	44	< 0.5	< 2	2.13	10
1228014031 Orig																							
1228014031 Dup																							
1231096807 Orig						8.20	93	1.1	< 0.5	18	342	1	11	9	92	0.93	73	< 10	26	< 0.5	< 2	0.27	8
1231096807 Dup						8.28	98	1.0	< 0.5	17	334	1	12	9	88	0.90	80	< 10	29	< 0.5	< 2	0.27	7
1231096876 Orig							58																
1231096876 Dup							65																
1231095390 Orig																							
1231095390 Dup																							
1231095437 Orig								< 0.2	0.9	11	180	< 1	12	< 2	226	1.45	12	< 10	25	< 0.5	< 2	0.57	13
1231095437 Dup								< 0.2	0.9	10	186	< 1	13	< 2	219	1.49	15	< 10	27	< 0.5	< 2	0.57	13
1231095446 Orig																							
1231095446 Dup																							
1231095519 Orig	19.1	8.69	-10.4	18.7	0.465																		
1231095519 Dup	19.1	9.21	-9.85	18.7	0.493																		
1231095552 Orig							23																
1231095552 Dup							27																
1231095169 Orig								< 0.2	< 0.5	10	271	1	11	< 2	50	1.76	6	< 10	35	< 0.5	< 2	1.06	8
1231095169 Dup								< 0.2	< 0.5	10	271	1	10	< 2	50	1.80	8	< 10	36	< 0.5	< 2	1.08	8
1229031002 Orig																							
1229031002 Dup																							
1229031068 Orig							1150																
1229031068 Dup							1270																
1229031222 Orig								0.7	< 0.5	303	281	1	9	< 2	28	1.68	8	< 10	28	< 0.5	10	0.89	5
1229031222 Dup								0.5	< 0.5	312	291	1	9	< 2	30	1.76	6	< 10	28	< 0.5	11	0.90	5
1229031316 Orig																							
1229031316 Dup																							
1228015222 Orig							48																
1228015222 Dup							55																
1228014246 Orig																							
1228014246 Dup																							
1231096592 Orig								< 0.2	0.6	46	525	2	10	< 2	217	2.33	10	< 10	51	< 0.5	< 2	0.99	7
1231096592 Dup								0.3	0.5	46	542	2	11	2	221	2.40	13	< 10	50	< 0.5	< 2	1.02	7
1228014105 Orig							141																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228014105 Dup							138																
1228014080 Orig						8.67																	
1228014080 Dup						8.65																	
1228014245 Orig	73.9	6.13	-67.8	78.7	0.0779																		
1228014245 Dup	73.9	5.46	-68.5	78.7	0.0693																		
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																							
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 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
GXR-6 Meas	89	5.99	20	< 1	1.22	< 10	0.41	0.070	0.036	0.02	< 2	17	26		< 1	< 2	< 10	181	< 10	4	8		
GXR-6 Cert	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	88	5.77	20	< 1	1.21	< 10	0.41	0.070	0.036	0.01	4	18	27		< 1	< 2	< 10	182	< 10	5	7		
GXR-6 Cert	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	89	5.63	20	< 1	1.22	< 10	0.41	0.069	0.036	0.01	5	18	26		2	< 2	< 10	178	< 10	4	7		
GXR-6 Cert	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	90	5.93	20	< 1	1.24	< 10	0.42	0.072	0.036	0.01	4	18	27		< 1	< 2	< 10	183	< 10	4	5		
GXR-6 Cert	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																							13.8
BaSO4 Cert																							14.0
BaSO4 Meas																							14.2
BaSO4 Cert																							14.0
BaSO4 Meas																							14.2
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.2
BaSO4 Cert																							14.0
BaSO4 Meas																							14.4
BaSO4 Cert																							14.0
BaSO4 Meas																							14.3
BaSO4 Cert																							14.0
BaSO4 Meas																							14.1
BaSO4 Cert																							14.0
SGR-1b Meas																						28.3	1.57
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.52
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.53
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.4	1.52
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.50
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.2	1.53
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.52
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.52
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.59
SGR-1b Cert																						28	1.53
GS311-4 Meas																						1.11	0.55
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	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																						1.12	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.52
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.13	0.56
GS311-4 Cert																						1.11	0.54
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	50	5.36	< 10		0.53	40	1.38	0.030	0.065	0.39	2	4	16			< 2	< 10	38	< 10	22	19		
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	49	5.18	< 10		0.51	39	1.37	0.028	0.066	0.39	2	4	17			< 2	< 10	37	< 10	21	18		
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	51	5.06	< 10		0.53	40	1.39	0.028	0.064	0.40	2	4	17			< 2	< 10	38	< 10	22	10		
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	48	5.28	< 10		0.49	39	1.37	0.027	0.064	0.39	3	4	17			< 2	< 10	36	< 10	21	13		
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	46	6.09	< 10		0.46	37	1.47		0.063	0.71	3	4	15			< 2	< 10	37	< 10	20	29		

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 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	46	5.58	< 10		0.45	36	1.43		0.060	0.70	2	4	15			2	< 10	36	< 10	20	19		
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	46	6.02	< 10		0.42	36	1.43		0.062	0.70	2	4	15			< 2	< 10	36	< 10	19	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 96 (Aqua Regia) Meas										3.81	5												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.99	8												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										4.35	9												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										4.23	6												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
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OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							

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 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas	34	3.30	< 10	4	0.39	21	0.43	0.166	0.033	4.61	113	2	20			< 2	< 10	13	< 10	8	58		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	33	3.32	10	4	0.40	21	0.46	0.167	0.034	4.93	110	3	19			< 2	< 10	13	< 10	8	60		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	31	3.44	10	3	0.42	20	0.46	0.176	0.035	4.82	122	3	19			< 2	< 10	14	< 10	8	62		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	31	3.44	10	5	0.39	20	0.45	0.166	0.031	4.81	88	2	18			< 2	< 10	13	< 10	8	26		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
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OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																						0.05	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	0.33
GS316-3 Cert																						0.0600	0.340

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
GS316-3 Meas																						0.04	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.34
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	0.34
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.06	0.35
GS316-3 Cert																						0.0600	0.340
1230048245 Orig	242	2.94	< 10	< 1	0.24	13	2.05	0.034	0.045	1.75	3	< 1	16	< 0.01	2	< 2	< 10	10	< 10	1	7		
1230048245 Dup	233	2.93	< 10	< 1	0.24	13	2.05	0.035	0.045	1.72	< 2	< 1	16	< 0.01	1	< 2	< 10	10	< 10	1	7		
1115501246 Orig																						0.37	3.18
1115501246 Dup																						0.38	3.12
1228014304 Orig																						0.19	2.11
1228014304 Dup																						0.19	2.08
1229029244 Orig	130	2.43	< 10	< 1	0.16	17	1.39	0.058	0.042	1.63	< 2	< 1	39	< 0.01	< 1	< 2	< 10	12	< 10	2	15		
1229029244 Dup	129	2.39	< 10	< 1	0.16	17	1.35	0.058	0.042	1.62	< 2	< 1	39	< 0.01	< 1	< 2	< 10	12	< 10	2	15		
1231096619 Orig																							
1231096619 Dup																							
1229029105 Orig																						0.29	1.80
1229029105 Dup																						0.29	1.80
1228013098 Orig	354	2.60	< 10	< 1	0.13	14	0.74	0.085	0.039	1.80	4	1	32	0.04	5	< 2	< 10	18	< 10	3	15		
1228013098 Dup	371	2.65	< 10	< 1	0.14	15	0.77	0.092	0.041	1.85	2	2	35	0.05	5	< 2	< 10	19	< 10	3	16		
1231096661 Orig																						0.18	0.42
1231096661 Dup																						0.19	0.44
1231096021 Orig																							
1231096021 Dup																							
1228006193 Orig	237	2.43	< 10	< 1	0.32	15	1.07	0.261	0.042	2.00	3	< 1	132	< 0.01	1	2	< 10	9	< 10	2	17		
1228006193 Dup	234	2.34	< 10	< 1	0.32	14	1.04	0.253	0.041	1.97	4	< 1	131	< 0.01	< 1	< 2	< 10	9	< 10	2	17		
1231030169 Orig																						0.01	1.75
1231030169 Dup																						0.01	1.64
1227001015 Orig																							
1227001015 Dup																							
1231096020 Orig																						0.11	0.41
1231096020 Dup																						0.11	0.43
1231030072 Orig																							
1231030072 Dup																							
1229029024 Orig	507	2.66	< 10	< 1	0.17	15	0.92	0.081	0.042	1.95	4	2	30	0.03	< 1	< 2	< 10	17	< 10	3	18	0.19	1.79
1229029024 Dup	488	2.50	< 10	< 1	0.17	15	0.90	0.080	0.041	1.82	3	2	29	0.03	< 1	< 2	< 10	17	< 10	3	18	0.20	1.73
1228013015 Orig																							
1228013015 Dup																							
1228006332 Orig																						0.17	3.97
1228006332 Dup																						0.18	3.95
1228006170 Orig	211	4.87	10	< 1	0.05	< 10	2.10	0.685	0.022	0.09	< 2	8	76	0.22	4	< 2	< 10	148	< 10	4	2		
1228006170 Dup	203	4.98	< 10	< 1	0.05	< 10	2.05	0.667	0.021	0.09	< 2	8	74	0.22	< 1	< 2	< 10	146	< 10	4	3		
1228013130 Orig																							
1228013130 Dup																							
1228015054 Orig																						0.12	1.52

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
1228015054 Dup																						0.13	1.47
1231095102 Orig																							
1231095102 Dup																							
1228014135 Orig	130	3.31	10	< 1	0.53	14	1.86	0.156	0.047	1.52	< 2	3	78	0.11	3	< 2	< 10	44	< 10	4	14		
1228014135 Dup	130	3.26	< 10	< 1	0.54	14	1.89	0.161	0.048	1.54	2	3	78	0.11	< 1	< 2	< 10	44	< 10	4	15		
1228014031 Orig																						0.23	1.81
1228014031 Dup																						0.23	1.83
1231096807 Orig	124	2.09	< 10	< 1	0.20	15	0.39	0.047	0.045	1.98	< 2	< 1	24	< 0.01	1	< 2	< 10	6	< 10	2	13	0.03	1.74
1231096807 Dup	124	2.00	< 10	< 1	0.20	15	0.39	0.048	0.043	1.93	< 2	< 1	24	< 0.01	< 1	< 2	< 10	6	< 10	2	13	0.03	1.71
1231096876 Orig																						0.21	1.64
1231096876 Dup																						0.22	1.60
1231095390 Orig																						0.13	1.06
1231095390 Dup																						0.13	1.01
1231095437 Orig	98	2.00	< 10	< 1	0.12	14	0.98	0.040	0.030	1.47	< 2	< 1	26	< 0.01	< 1	< 2	< 10	12	< 10	1	12		
1231095437 Dup	98	2.06	< 10	< 1	0.12	13	1.01	0.041	0.030	1.54	< 2	< 1	26	< 0.01	1	< 2	< 10	12	< 10	1	12		
1231095446 Orig																						0.28	0.98
1231095446 Dup																						0.28	0.94
1231095519 Orig																							
1231095519 Dup																							
1231095552 Orig																							
1231095552 Dup																							
1231095169 Orig	138	1.58	< 10	< 1	0.18	15	0.82	0.121	0.057	0.82	< 2	1	83	0.01	1	< 2	< 10	14	< 10	2	7		
1231095169 Dup	140	1.56	< 10	< 1	0.19	15	0.83	0.126	0.057	0.82	< 2	1	86	0.01	4	< 2	< 10	14	< 10	2	8		
1229031002 Orig																						0.13	1.13
1229031002 Dup																						0.13	1.20
1229031068 Orig																							
1229031068 Dup																							
1229031222 Orig	141	3.31	< 10	< 1	0.17	11	0.99	0.055	0.033	1.60	< 2	< 1	42	< 0.01	< 1	< 2	< 10	7	< 10	2	9		
1229031222 Dup	144	3.45	< 10	< 1	0.17	11	1.01	0.055	0.034	1.61	< 2	< 1	42	< 0.01	5	< 2	< 10	7	< 10	2	9		
1229031316 Orig																						0.04	1.77
1229031316 Dup																						0.03	1.82
1228015222 Orig																							
1228015222 Dup																							
1228014246 Orig																						0.10	2.72
1228014246 Dup																						0.11	2.61
1231096592 Orig	102	2.30	< 10	< 1	0.22	17	1.29	0.060	0.047	0.86	< 2	1	55	0.02	< 1	< 2	< 10	17	< 10	2	11		
1231096592 Dup	105	2.33	< 10	< 1	0.22	17	1.32	0.061	0.047	0.85	4	1	56	0.02	< 1	< 2	< 10	18	< 10	2	9		
1228014105 Orig																							
1228014105 Dup																							
1228014080 Orig																							
1228014080 Dup																							
1228014245 Orig																							
1228014245 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

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
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.009	< 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	0.011	< 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	0.010	< 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	0.010	< 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	0.011	< 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	0.010	< 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	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
BaSO4 Meas	
BaSO4 Cert	
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BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
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SGR-1b Cert	
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SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	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	
NBM-1 (slight fzz) Meas	
NBM-1 (slight fzz) Cert	
NBM-1 (slight fzz) Meas	
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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	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	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	
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Oreas 96 (Aqua Regia) Cert	
OREAS 220 (Fire Assay) Meas	
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OREAS 220 (Fire	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 229 (Fire Assay) Meas	12.1
OREAS 229 (Fire Assay) Cert	12.1
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
OREAS 229b (Fire Assay) Meas	12.0
OREAS 229b (Fire Assay) Cert	11.9
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	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
GS316-3 Meas	
GS316-3 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
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	
1230048245 Orig	
1230048245 Dup	
1115501246 Orig	5.27
1115501246 Dup	5.14
1228014304 Orig	
1228014304 Dup	
1229029244 Orig	
1229029244 Dup	
1231096619 Orig	
1231096619 Dup	
1229029105 Orig	
1229029105 Dup	
1228013098 Orig	
1228013098 Dup	
1231096661 Orig	
1231096661 Dup	
1231096021 Orig	
1231096021 Dup	
1228006193 Orig	
1228006193 Dup	
1231030169 Orig	
1231030169 Dup	
1227001015 Orig	
1227001015 Dup	
1231096020 Orig	
1231096020 Dup	
1231030072 Orig	
1231030072 Dup	
1229029024 Orig	
1229029024 Dup	
1228013015 Orig	
1228013015 Dup	
1228006332 Orig	
1228006332 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1228006170 Orig	
1228006170 Dup	
1228013130 Orig	
1228013130 Dup	
1228015054 Orig	
1228015054 Dup	
1231095102 Orig	
1231095102 Dup	
1228014135 Orig	
1228014135 Dup	
1228014031 Orig	
1228014031 Dup	
1231096807 Orig	
1231096807 Dup	
1231096876 Orig	
1231096876 Dup	
1231095390 Orig	
1231095390 Dup	
1231095437 Orig	
1231095437 Dup	
1231095446 Orig	
1231095446 Dup	
1231095519 Orig	
1231095519 Dup	
1231095552 Orig	
1231095552 Dup	
1231095169 Orig	
1231095169 Dup	
1229031002 Orig	
1229031002 Dup	
1229031068 Orig	
1229031068 Dup	
1229031222 Orig	
1229031222 Dup	
1229031316 Orig	
1229031316 Dup	
1228015222 Orig	
1228015222 Dup	
1228014246 Orig	
1228014246 Dup	
1231096592 Orig	
1231096592 Dup	
1228014105 Orig	
1228014105 Dup	
1228014080 Orig	
1228014080 Dup	
1228014245 Orig	
1228014245 Dup	
Method Blank	
Method Blank	

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

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-15602**
Report Date:	**23-Dec-19**
Date Submitted:	**18-Nov-19**
Your Reference:	**2019 Sept_Oct Check assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

188 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)	2019-11-24 14:49:40
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-11-27 13:05:39
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-12-03 14:08:27

REPORT **A19-15602**

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Notes:

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

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

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
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.: **A19-15602**
Report Date: **23-Dec-19**
Date Submitted: **18-Nov-19**
Your Reference: **2019 Sept_Oct Check assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

188 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-12-12 22:00:48
4F-C, S	Infrared	2019-12-06 21:45:43

REPORT **A19-15602**

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Notes:

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

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

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
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

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
V842464							119	1.7	< 0.5	58	356	4	13	8	64	1.42	< 2	< 10	76	< 0.5	< 2	1.14	13
1229031212	48.3	7.82	-40.5	52.7	0.148	8.57	213	0.4	< 0.5	68	310	1	13	5	56	1.55	17	< 10	26	< 0.5	9	0.48	6
1228015272	51.6	20.6	-31.0	56.0	0.367	8.60	102	0.5	< 0.5	123	564	3	14	26	131	1.08	12	< 10	13	< 0.5	< 2	1.08	8
1231095134	26.3	19.6	-6.61	25.7	0.763	8.77	388	< 0.2	< 0.5	32	339	< 1	15	8	73	1.25	7	< 10	48	< 0.5	< 2	1.21	7
1228015116	59.1	21.8	-37.2	63.1	0.346	8.77	137	0.4	< 0.5	119	360	3	11	< 2	42	1.13	17	< 10	14	< 0.5	< 2	1.01	8
1231095094	26.9	7.42	-19.4	29.7	0.250	8.74	228	0.5	< 0.5	108	267	< 1	12	8	44	1.68	9	< 10	34	< 0.5	< 2	1.16	6
1231095244	34.2	8.62	-25.5	37.1	0.233	8.55	70	< 0.2	< 0.5	16	307	1	15	< 2	88	1.71	9	< 10	31	< 0.5	< 2	1.04	6
1228015195	40.4	29.7	-10.7	45.6	0.650	8.73	88	0.2	< 0.5	59	609	2	15	< 2	219	0.99	9	< 10	32	< 0.5	< 2	1.32	8
1229031374	39.9	6.39	-33.5	43.2	0.148	8.56	132	0.7	< 0.5	245	269	15	9	34	53	2.74	9	< 10	25	< 0.5	4	1.12	5
1231095325	15.0	10.5	-4.52	17.8	0.590	8.99	71	0.2	< 0.5	54	344	1	14	3	81	1.70	7	< 10	39	< 0.5	3	0.83	7
1228015160	41.8	32.6	-9.15	46.5	0.701	8.79	240	0.2	< 0.5	61	510	< 1	13	11	102	0.97	14	< 10	24	< 0.5	< 2	1.48	7
1231095345	23.3	17.3	-6.00	26.0	0.666	8.84	56	0.4	< 0.5	15	734	< 1	17	3	81	2.39	17	< 10	43	< 0.5	< 2	1.68	9
1228015040	34.4	16.0	-18.4	37.4	0.429	8.90	38	< 0.2	< 0.5	61	434	1	13	< 2	125	1.01	8	< 10	25	< 0.5	< 2	0.94	7
1228015295	55.7	27.9	-27.9	60.6	0.459	8.61	128	0.5	< 0.5	132	594	3	15	31	127	0.99	16	< 10	19	< 0.5	2	1.35	8
1231095223	58.7	3.27	-55.5	63.1	0.0518	8.33	1660	3.0	< 0.5	1290	125	1	10	5	49	1.30	14	< 10	12	< 0.5	33	0.53	5
V842465							971	2.5	< 0.5	61	422	11	17	6	59	1.55	< 2	< 10	85	< 0.5	4	1.31	15
1230098328	25.3	17.4	-7.91	27.9	0.624	8.88	101	0.2	< 0.5	71	463	2	15	5	128	1.40	9	< 10	29	< 0.5	< 2	0.95	8
1230098329	33.4	11.0	-22.4	32.8	0.337	8.65	66	0.2	< 0.5	70	354	1	19	< 2	108	1.14	11	< 10	29	< 0.5	< 2	0.85	8
1229031289	48.3	10.6	-37.7	52.1	0.204	8.45	2010	1.9	< 0.5	406	247	< 1	7	15	37	1.95	10	< 10	23	< 0.5	24	0.92	4
1230098292	18.8	35.1	16.3	18.4	1.91	9.08	39	< 0.2	< 0.5	37	512	2	28	< 2	111	1.24	7	< 10	45	< 0.5	< 2	1.57	9
1228015081	77.2	17.1	-60.1	83.0	0.205	8.29	71	0.6	1.2	135	416	4	13	8	381	1.20	11	< 10	11	< 0.5	3	0.99	9
1228015269	49.3	10.7	-38.6	52.7	0.203	8.45	353	0.4	< 0.5	126	527	4	13	39	83	1.04	9	< 10	23	< 0.5	< 2	0.80	7
1228015017	48.3	25.8	-22.5	52.1	0.496	8.81	50	0.2	< 0.5	87	508	4	12	< 2	100	1.03	7	< 10	20	< 0.5	< 2	1.26	7
1228015069	50.3	31.2	-19.2	55.4	0.562	8.81	106	0.3	3.3	97	519	3	12	3	954	0.98	8	< 10	22	< 0.5	< 2	1.39	7
1228015172	60.0	5.84	-54.1	65.2	0.0896	8.43	41	1.0	1.6	79	321	1	13	< 2	366	1.21	21	< 10	19	< 0.5	4	0.41	8
1229031355	41.6	12.3	-29.3	45.6	0.268	8.61	513	0.5	< 0.5	258	266	< 1	16	20	52	1.70	10	< 10	30	< 0.5	2	0.81	5
V842466							1570	10.0	< 0.5	52	355	20	13	5	54	1.44	< 2	< 10	78	< 0.5	< 2	1.19	13
1231032712	38.6	13.5	-25.1	42.9	0.315	8.72	81	0.7	2.0	37	839	< 1	19	16	613	2.29	27	< 10	37	< 0.5	< 2	1.27	12
1231032717	65.3	16.2	-49.1	72.0	0.225	8.20	274	1.8	3.6	85	1150	< 1	44	41	1040	2.59	43	< 10	24	< 0.5	< 2	0.94	29
1231049337	27.7	21.7	-5.96	31.5	0.689	8.82	79	1.5	2.2	64	736	< 1	14	12	649	2.29	21	< 10	45	< 0.5	< 2	1.64	6
1231094477	45.8	7.95	-37.9	49.3	0.161	8.56	73	0.5	< 0.5	14	385	< 1	12	8	144	1.72	10	< 10	24	< 0.5	< 2	0.93	7
1231032713	31.1	10.7	-20.4	34.6	0.309	8.77	134	1.5	1.4	20	747	< 1	34	9	424	2.06	23	< 10	45	< 0.5	< 2	1.11	10
1229039048	45.8	13.0	-32.8	50.5	0.257	8.60	282	0.8	1.1	158	510	1	12	< 2	376	1.78	14	< 10	24	< 0.5	4	0.74	5
1231032787	34.0	3.96	-30.0	37.4	0.106	8.78	95	0.2	< 0.5	27	631	1	13	< 2	183	1.59	12	< 10	30	< 0.5	< 2	0.72	8
1231031330	34.3	17.3	-16.9	39.8	0.435	8.49	149	1.1	6.8	148	802	1	13	4	1740	1.75	19	< 10	32	< 0.5	2	1.14	8
1231032738	69.1	14.3	-54.7	74.1	0.193	8.54	130	0.5	< 0.5	48	545	1	12	4	199	1.52	18	< 10	18	< 0.5	6	0.96	9
1231032638	22.3	23.1	0.813	26.0	0.887	8.84	129	2.4	2.6	40	846	< 1	19	20	810	2.17	15	< 10	38	< 0.5	< 2	1.39	8
V842467							252	3.0	< 0.5	60	462	1	19	4	68	1.62	< 2	< 10	93	< 0.5	< 2	1.62	16
1229039122	11.3	9.22	-2.03	11.0	0.837	8.88	27	0.3	< 0.5	186	503	< 1	50	< 2	59	4.34	4	< 10	30	< 0.5	< 2	3.15	21
1229039001	36.9	19.5	-17.4	39.2	0.497	8.48	114	0.3	< 0.5	50	321	13	11	6	86	1.21	17	< 10	33	< 0.5	3	1.00	7
1229039173	69.6	17.8	-51.7	74.1	0.241	8.72	110	0.4	< 0.5	35	189	< 1	10	2	41	1.26	9	< 10	19	< 0.5	3	0.85	6
1229039177	58.1	21.5	-36.7	62.5	0.344	8.92	76	0.5	< 0.5	42	445	< 1	10	< 2	176	1.76	28	< 10	22	< 0.5	< 2	0.95	6
1229039175	55.1	16.1	-39.0	58.8	0.275	8.51	86	0.6	< 0.5	48	437	1	9	< 2	145	1.96	60	< 10	22	< 0.5	3	0.77	6
1229039102	3.13	10.4	7.24	3.06	3.38	9.09	6	< 0.2	< 0.5	130	533	< 1	51	< 2	51	4.84	5	< 10	18	< 0.5	< 2	3.68	24
1229039095	49.5	7.84	-41.6	53.3	0.147	8.53	31	0.4	< 0.5	78	293	1	15	< 2	104	2.12	3	< 10	24	< 0.5	4	1.13	6
v842468							116	1.7	< 0.5	62	357	5	13	8	66	1.44	< 2	< 10	80	< 0.5	< 2	1.20	13
1231094410	40.9	12.3	-28.6	43.8	0.282	8.55	> 5000	5.2	< 0.5	469	175	1	8	< 2	27	1.26	11	< 10	21	< 0.5	4	0.47	7
1229039146	45.1	11.7	-33.4	48.7	0.240	8.72	41	0.5	< 0.5	68	315	< 1	10	< 2	97	1.54	22	< 10	22	< 0.5	4	0.90	4
1229039085	50.3	7.48	-42.8	55.4	0.135	8.66	67	1.7	0.5	382	306	1	18	< 2	152	2.32	6	< 10	31	< 0.5	12	1.37	13

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229039324	37.8	16.8	-21.0	42.3	0.397	8.86	133	1.1	< 0.5	42	501	< 1	10	< 2	196	1.90	29	< 10	25	< 0.5	2	0.76	6
1231094462	22.5	8.50	-14.0	22.0	0.386	8.85	290	< 0.2	< 0.5	46	369	1	12	16	55	1.62	9	< 10	32	< 0.5	< 2	0.82	7
1231094463	20.9	17.3	-3.62	20.5	0.844	8.44	430	< 0.2	0.8	41	454	< 1	11	5	167	1.96	16	< 10	32	< 0.5	< 2	1.33	7
1229039026	44.3	6.47	-37.8	48.1	0.135	8.67	400	0.4	< 0.5	95	376	2	10	< 2	165	1.62	15	< 10	23	< 0.5	< 2	0.38	5
1229039077	74.3	7.86	-66.4	79.0	0.0995	8.36	142	0.9	< 0.5	118	309	< 1	11	< 2	116	1.43	12	< 10	16	< 0.5	13	0.46	1
1231094323	31.6	12.6	-19.0	34.3	0.366	8.61	33	< 0.2	< 0.5	25	318	2	26	22	124	1.83	9	< 10	36	< 0.5	< 2	1.17	9
1231094322	27.9	10.3	-17.6	30.9	0.333	8.65	62	< 0.2	< 0.5	22	246	2	15	10	68	1.78	11	< 10	34	< 0.5	< 2	0.99	7
1231094500	35.5	3.74	-31.8	38.9	0.0962	8.55	496	0.5	< 0.5	193	323	< 1	12	5	46	1.69	13	< 10	34	< 0.5	< 2	1.09	7
V842473							761	5.3	< 0.5	35	272	14	10	17	46	1.18	4	< 10	59	< 0.5	< 2	2.07	9
1231094353	29.1	12.7	-16.4	28.5	0.445	8.86	42	< 0.2	< 0.5	6	231	1	17	8	109	1.60	4	< 10	30	< 0.5	< 2	1.08	9
1231094004	19.4	11.6	-7.79	19.0	0.610	9.21	39	< 0.2	0.9	6	258	< 1	11	6	257	1.56	5	< 10	31	< 0.5	< 2	0.91	6
1231094351	38.3	17.3	-21.0	41.7	0.416	8.79	1330	6.0	< 0.5	22	385	1	15	26	185	2.20	13	< 10	29	< 0.5	< 2	1.41	9
1231094007	30.6	4.49	-26.1	30.0	0.150	8.56	11	< 0.2	0.9	9	111	< 1	12	6	248	1.40	28	< 10	33	< 0.5	< 2	0.29	10
1229039040	40.5	11.4	-29.1	44.4	0.257	8.50	113	0.5	< 0.5	128	430	2	13	3	147	1.96	10	< 10	26	< 0.5	7	0.81	6
1231094027	30.8	22.1	-8.76	34.3	0.643	8.94	118	0.9	1.2	56	790	< 1	14	5	395	2.49	31	< 10	28	< 0.5	< 2	1.81	8
1231094204	37.1	19.1	-18.0	40.1	0.476	8.71	67	0.5	2.1	13	530	< 1	11	3	630	1.58	17	< 10	28	< 0.5	2	1.21	6
1231094051	27.2	26.6	-0.544	26.6	1.000	8.92	187	0.4	< 0.5	41	406	1	14	5	118	1.91	12	< 10	34	< 0.5	2	1.44	7
1231094218	35.9	22.2	-13.7	35.2	0.630	8.96	41	< 0.2	< 0.5	14	456	< 1	14	3	92	1.99	13	< 10	37	< 0.5	< 2	1.59	7
1231094321	35.3	9.31	-26.0	34.6	0.269	8.75	175	< 0.2	< 0.5	94	167	< 1	10	< 2	46	1.52	12	< 10	30	< 0.5	< 2	0.68	7
1231094428	41.0	18.0	-23.1	43.8	0.410	8.80	97	2.5	1.0	27	538	1	20	10	304	1.63	17	< 10	27	< 0.5	2	1.07	7
1229039014	35.6	8.48	-27.1	34.9	0.243	8.85	215	< 0.2	0.6	89	556	3	12	< 2	241	1.73	9	< 10	31	< 0.5	< 2	0.39	6
1231094335	42.7	15.4	-27.3	45.3	0.340	8.73	138	2.6	1.2	15	666	1	13	9	420	1.65	38	< 10	26	< 0.5	3	0.87	9
V842474							1160	4.4	< 0.5	23	144	7	5	< 2	25	0.61	< 2	< 10	23	< 0.5	< 2	0.63	5
1231032763	176	18.2	-158	188	0.0970	7.96	95	1.2	0.7	72	851	1	36	4	322	2.46	45	< 10	< 10	< 0.5	7	1.09	29
1231031020	59.3	45.8	-13.5	67.4	0.680	8.49	99	0.5	3.1	55	987	< 1	67	5	774	2.44	17	< 10	26	< 0.5	7	2.15	24
1231032879	37.7	30.8	-6.85	42.6	0.725	8.79	131	0.4	1.1	82	571	2	13	12	349	1.42	15	< 10	33	< 0.5	< 2	1.48	7
1231031002	17.5	10.9	-6.63	20.5	0.530	8.68	108	< 0.2	2.2	30	715	1	17	4	683	2.01	9	< 10	51	< 0.5	< 2	1.04	8
1231031376	25.0	36.5	11.5	29.1	1.25	8.77	114	0.3	< 0.5	75	678	2	13	< 2	87	1.37	10	< 10	39	< 0.5	< 2	1.89	8
1231031310	24.4	13.3	-11.1	27.0	0.492	8.55	135	0.6	1.3	29	730	< 1	11	2	435	1.66	9	< 10	39	< 0.5	< 2	0.81	6
1231031077	21.3	27.1	5.86	20.8	1.30	8.81	57	0.3	0.6	35	492	< 1	25	17	193	1.29	8	< 10	45	< 0.5	< 2	1.34	9
1231031328	22.2	14.7	-7.46	25.1	0.586	8.57	142	0.6	2.6	28	662	< 1	14	3	718	1.91	11	< 10	47	< 0.5	< 2	1.01	7
V842469							750	4.0	< 0.5	34	267	16	13	19	43	1.17	3	< 10	60	< 0.5	< 2	2.08	8
1231031334	28.3	33.9	5.53	31.9	1.06	8.88	169	0.3	0.7	42	706	1	13	4	140	1.90	10	< 10	35	< 0.5	< 2	2.22	8
1231033066	32.3	15.9	-16.4	35.8	0.444	8.90	103	0.9	2.5	46	727	< 1	15	22	641	1.87	14	< 10	30	< 0.5	< 2	1.19	8
1231031434	35.8	6.84	-29.0	38.9	0.176	8.82	37	0.4	0.9	24	582	< 1	14	6	233	1.30	9	< 10	27	< 0.5	< 2	0.39	8
1231033061	46.1	18.1	-28.0	50.8	0.356	8.99	469	1.5	< 0.5	241	600	1	15	< 2	77	2.08	15	< 10	19	< 0.5	4	1.38	8
1231031028	30.0	20.0	-9.97	29.4	0.681	8.90	118	0.5	0.9	40	795	< 1	44	< 2	315	1.78	7	< 10	41	< 0.5	2	0.96	9
1231033062	49.1	15.0	-34.1	54.5	0.275	8.75	853	2.0	0.9	405	562	< 1	16	4	197	2.13	22	< 10	20	< 0.5	5	1.37	9
1231031030	32.7	22.9	-9.80	36.1	0.634	8.64	218	1.6	0.6	46	662	1	24	18	210	1.62	10	< 10	32	< 0.5	< 2	1.41	9
12310321048	33.6	33.8	0.202	37.7	0.898	8.84	131	1.6	< 0.5	47	740	1	19	18	133	1.65	14	< 10	36	< 0.5	4	1.51	9
1231033051	30.8	16.7	-14.1	34.0	0.493	8.92	133	1.3	0.8	72	579	< 1	16	14	278	1.33	13	< 10	33	< 0.5	2	0.94	9
1231032982	187	35.3	-151	212	0.167	7.77	85	1.6	2.3	127	709	< 1	45	11	600	1.79	32	< 10	< 10	< 0.5	14	1.68	27
V842470							958	2.4	< 0.5	61	410	10	16	4	56	1.50	< 2	< 10	78	< 0.5	< 2	1.36	15
1231032815	61.1	9.94	-51.2	65.8	0.151	8.49	80	0.6	< 0.5	45	473	< 1	12	71	174	1.48	22	< 10	14	< 0.5	6	0.82	6
1231031285	26.9	27.1	0.259	30.6	0.886	8.64	65	0.5	1.2	52	698	1	14	3	394	2.07	14	< 10	36	< 0.5	< 2	1.67	7
1231031360	13.1	39.2	26.0	19.3	2.03	8.26	45	0.6	1.9	42	686	< 1	27	13	528	2.53	14	< 10	54	< 0.5	< 2	2.01	9
1231031286	22.3	19.6	-2.69	27.0	0.727	8.66	63	0.7	3.2	44	720	< 1	14	11	929	1.89	13	< 10	47	< 0.5	< 2	1.17	8
1231094437	31.7	12.1	-19.6	35.5	0.339	8.71	598	13.0	1.5	57	554	2	11	40	491	1.75	19	< 10	31	< 0.5	5	0.69	5
1231094285	24.5	29.8	5.34	27.6	1.08	9.06	61	0.4	< 0.5	21	827	< 1	29	10	126	2.11	17	< 10	50	< 0.5	< 2	1.96	9

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231032683	79.3	19.0	-60.2	86.4	0.221	8.50	102	1.0	0.8	108	609	< 1	20	4	266	2.03	24	< 10	14	< 0.5	8	1.32	12
1231032796	25.5	16.0	-9.50	29.1	0.550	8.93	74	0.4	0.9	31	686	< 1	14	3	275	1.93	16	< 10	42	< 0.5	< 2	1.02	9
1231032883	12.7	39.5	26.8	15.6	2.53	9.15	20	< 0.2	< 0.5	16	596	< 1	14	5	128	1.37	9	< 10	63	< 0.5	< 2	1.74	7
1231032878	33.3	35.8	2.45	37.4	0.958	8.59	140	0.3	0.9	79	603	2	15	4	277	1.68	13	< 10	28	< 0.5	< 2	1.85	8
1231031351	38.6	25.9	-12.8	42.6	0.608	8.54	74	0.6	< 0.5	95	624	2	18	5	122	1.62	12	< 10	25	< 0.5	< 2	1.75	12
1231032893	73.7	7.81	-65.9	78.1	0.100	8.10	372	1.4	1.1	63	464	< 1	12	7	294	1.39	18	< 10	11	< 0.5	< 2	0.72	6
1231032965	30.2	28.0	-2.19	34.0	0.824	8.70	78	0.4	2.2	35	659	< 1	13	12	555	1.82	15	< 10	39	< 0.5	2	1.50	9
V842471							1150	4.4	< 0.5	23	145	6	5	< 2	25	0.59	< 2	< 10	22	< 0.5	3	0.63	5
1231031166	25.2	29.6	4.41	28.2	1.05	8.64	74	0.7	1.3	28	662	< 1	19	2	371	1.87	7	< 10	28	< 0.5	3	1.66	10
12310321064	24.5	11.9	-12.6	28.2	0.422	8.72	93	0.3	3.2	30	869	1	17	5	1040	2.06	13	< 10	46	< 0.5	< 2	0.98	11
1231033112	30.3	16.5	-13.8	34.3	0.481	8.90	223	0.6	1.5	102	621	< 1	18	< 2	361	1.54	12	< 10	27	< 0.5	< 2	1.04	8
1231031010	24.2	17.7	-6.49	28.2	0.627	8.16	57	0.2	< 0.5	30	908	< 1	18	2	104	1.97	6	< 10	44	< 0.5	< 2	1.06	10
1231031314	62.9	16.4	-46.5	68.3	0.240	8.27	1730	2.7	< 0.5	603	502	1	13	6	101	1.33	16	< 10	13	< 0.5	5	0.91	6
1231031145	16.3	15.8	-0.480	15.9	0.990	8.86	39	< 0.2	< 0.5	31	873	< 1	15	2	170	2.02	7	< 10	53	< 0.5	< 2	0.97	10
V842472							118	1.8	< 0.5	59	352	5	17	9	62	1.47	2	< 10	79	< 0.5	2	1.17	13
1231031405	18.1	19.5	1.39	22.4	0.873	8.76	75	0.2	1.3	26	881	< 1	16	4	404	2.18	11	< 10	26	< 0.5	6	1.51	11
1231031437	35.5	17.9	-17.6	39.2	0.457	8.50	97	1.0	1.5	49	708	2	19	6	513	1.67	22	< 10	29	< 0.5	< 2	0.92	10
1231031512	16.9	12.4	-4.52	19.6	0.630	8.57	120	0.4	1.8	28	884	1	12	7	573	2.02	14	< 10	57	< 0.5	< 2	0.97	7
12310321061	19.4	26.5	7.11	22.0	1.20	9.12	57	0.3	1.1	28	770	< 1	20	6	339	1.31	15	< 10	54	< 0.5	< 2	1.26	7
1231033049	42.2	27.1	-15.1	46.2	0.586	8.65	127	0.8	0.9	94	777	3	18	7	333	1.54	17	< 10	29	< 0.5	2	1.30	9
1230049054	31.8	9.82	-21.9	36.1	0.272	8.63	200	0.8	5.1	66	695	< 1	14	13	1430	1.50	17	< 10	31	< 0.5	< 2	0.74	6
1230049139	43.2	4.55	-38.7	45.9	0.0989	8.24	94	0.5	0.6	27	683	< 1	15	78	299	1.88	27	< 10	27	< 0.5	< 2	0.47	9
1231033002	35.1	41.2	6.15	39.5	1.04	8.74	92	0.9	< 0.5	61	769	2	22	20	157	1.80	27	< 10	37	< 0.5	< 2	1.69	9
1230049053	32.0	8.11	-23.9	36.8	0.221	8.66	44	0.3	3.9	36	688	< 1	14	9	1200	1.71	11	< 10	35	< 0.5	< 2	0.88	7
1230049107	61.3	6.17	-55.2	64.6	0.0955	8.50	99	0.9	< 0.5	14	255	1	18	6	51	0.90	162	< 10	19	< 0.5	< 2	0.30	10
1228016001	31.5	9.92	-21.5	34.9	0.284	8.74	74	0.6	0.7	65	348	2	20	26	254	2.55	25	< 10	34	< 0.5	< 2	1.84	14
1231031404	24.4	20.3	-4.08	27.6	0.736	8.48	79	0.4	1.3	16	1020	< 1	11	3	431	1.84	11	< 10	30	< 0.5	< 2	1.13	8
1230049163	39.2	17.3	-21.8	43.8	0.396	8.33	75	1.0	1.9	70	924	< 1	17	31	569	2.33	28	< 10	29	0.5	< 2	1.36	9
V845101							714	3.1	< 0.5	33	265	17	8	14	42	1.15	< 2	< 10	61	< 0.5	< 2	2.07	9
1230049203	29.3	15.8	-13.5	33.4	0.472	8.40	45	0.3	< 0.5	18	861	< 1	17	36	127	2.04	32	< 10	41	< 0.5	< 2	0.96	9
1228016011	64.9	53.0	-11.9	76.6	0.692	8.58	397	3.3	7.8	82	830	< 1	24	28	1800	1.49	32	< 10	15	< 0.5	3	2.11	9
1230049195	35.3	7.79	-27.5	38.6	0.202	8.50	126	0.4	< 0.5	18	753	< 1	15	27	163	2.06	33	< 10	38	< 0.5	< 2	0.79	10
1228016019	61.8	46.7	-15.1	67.7	0.690	8.57	67	1.0	0.7	30	701	1	22	11	246	1.58	13	< 10	20	< 0.5	3	2.13	9
1229065015	39.8	51.8	12.0	44.4	1.17	9.24	154	0.8	1.1	46	1090	1	10	35	323	1.54	31	< 10	35	< 0.5	< 2	2.21	7
1228016109	63.2	53.3	-9.96	68.6	0.776	8.58	225	2.7	0.6	47	690	< 1	15	49	200	0.97	38	< 10	21	< 0.5	2	2.21	8
1230050090	19.1	9.64	-9.43	18.7	0.516	8.84	26	< 0.2	< 0.5	38	655	1	14	< 2	200	2.61	7	< 10	50	< 0.5	< 2	1.46	5
1228016128	69.6	39.5	-30.1	74.1	0.533	8.60	93	1.9	< 0.5	25	486	< 1	15	54	144	0.97	23	< 10	18	< 0.5	< 2	1.86	8
1228016139	54.1	71.4	17.4	59.7	1.20	8.77	176	1.4	< 0.5	24	696	< 1	12	16	87	0.98	66	< 10	25	< 0.5	< 2	2.89	8
1230050210	57.6	6.93	-50.7	61.6	0.113	8.42	370	0.3	< 0.5	176	298	2	13	< 2	28	1.46	12	< 10	15	< 0.5	5	0.61	8
V845102							120	1.7	< 0.5	59	357	4	12	7	65	1.44	< 2	< 10	79	< 0.5	4	1.16	13
1228017174	60.0	16.5	-43.5	66.2	0.249	8.70	135	0.6	2.4	178	382	3	21	12	621	0.99	12	< 10	15	< 0.5	3	0.78	8
1230050141	29.8	13.7	-16.1	34.9	0.393	8.64	73	0.9	1.1	128	560	2	48	19	302	1.87	38	< 10	33	< 0.5	3	0.91	13
1228017171	60.7	13.5	-47.3	67.1	0.201	8.58	105	0.5	5.0	167	292	4	14	< 2	1320	1.01	10	< 10	14	< 0.5	2	0.57	7
1228017177	46.2	33.2	-13.0	51.5	0.646	8.86	136	0.2	1.6	80	535	3	20	41	480	1.02	8	< 10	13	< 0.5	2	1.40	8
1228017250	33.4	22.0	-11.4	36.4	0.604	8.98	379	0.3	< 0.5	33	279	1	14	10	44	1.32	12	< 10	27	< 0.5	2	1.21	5
1228017197	79.7	13.0	-66.7	87.0	0.150	8.25	440	0.5	< 0.5	120	291	4	13	< 2	104	1.11	15	< 10	< 10	< 0.5	< 2	0.64	11
V845103							1550	9.9	< 0.5	53	348	20	13	6	52	1.45	3	< 10	78	< 0.5	< 2	1.20	12
1232090153	33.0	11.2	-21.8	36.8	0.305	8.90	70	0.3	0.5	47	531	1	13	< 2	159	1.63	11	< 10	32	< 0.5	< 2	0.97	9
1229041276	9.16	53.5	44.3	13.5	3.97	9.41	19	< 0.2	< 0.5	28	713	< 1	42	24	75	2.42	11	< 10	51	< 0.5	< 2	2.52	21

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229041197	35.2	28.8	-6.40	40.7	0.707	8.88	392	0.4	< 0.5	73	746	2	14	5	121	1.94	13	< 10	33	< 0.5	< 2	1.72	9
1228017021	33.2	38.0	4.76	38.9	0.977	8.84	101	0.4	1.1	130	511	2	16	< 2	366	1.63	11	< 10	25	< 0.5	2	1.66	6
1229041245	29.1	20.5	-8.60	33.7	0.607	9.10	100	0.3	< 0.5	63	710	2	13	29	155	2.20	10	< 10	38	< 0.5	< 2	1.82	8
1229041027	21.7	17.4	-4.30	25.7	0.675	9.04	56	< 0.2	0.7	39	633	< 1	11	12	320	2.39	7	24	55	< 0.5	< 2	1.43	6
1229041004	36.1	11.4	-24.7	40.1	0.284	8.62	35	0.3	< 0.5	34	590	1	14	10	248	2.17	12	< 10	29	< 0.5	< 2	1.06	8
1229041116	33.8	9.53	-24.3	38.0	0.251	8.69	326	0.9	2.0	87	609	3	11	17	510	2.16	11	14	35	< 0.5	8	0.92	5
1229041215	8.64	20.8	12.2	13.8	1.51	8.80	175	0.4	1.2	82	742	1	30	15	384	3.15	8	21	57	0.6	< 2	1.51	22
1229041164	32.4	7.80	-24.6	39.2	0.199	8.77	599	0.5	< 0.5	107	502	< 1	9	14	188	2.02	10	< 10	28	< 0.5	3	0.89	6
1229041243	28.6	24.3	-4.30	32.8	0.743	9.03	73	0.6	< 0.5	152	637	2	13	6	82	1.92	13	< 10	41	< 0.5	< 2	1.79	9
1229041188	31.8	18.5	-13.3	35.2	0.524	9.13	56	0.4	< 0.5	62	470	4	10	4	130	1.29	12	< 10	32	< 0.5	< 2	0.94	6
1228017055	39.5	22.6	-16.9	44.1	0.513	9.15	426	0.7	< 0.5	86	379	1	15	3	56	1.34	13	< 10	17	< 0.5	< 2	1.08	7
1230052001	16.9	19.5	2.67	16.5	1.18	9.15	152	< 0.2	< 0.5	26	413	3	14	29	190	2.01	14	< 10	67	< 0.5	< 2	1.21	10
1230052045	47.5	22.5	-25.0	52.1	0.432	8.73	160	0.3	< 0.5	22	246	1	14	22	66	2.25	10	11	18	< 0.5	3	1.42	7
1229041049	33.5	10.5	-23.1	36.4	0.288	8.60	61	0.2	< 0.5	33	614	1	8	11	79	2.05	10	< 10	36	< 0.5	< 2	1.09	7
1230052019	127	12.1	-115	150	0.0803	8.15	3020	3.5	3.4	868	855	< 1	49	7	654	2.65	87	< 10	< 10	< 0.5	11	0.67	31
1228017275	29.2	25.4	-3.78	32.5	0.782	9.07	728	0.3	< 0.5	71	324	< 1	14	3	81	1.89	13	< 10	36	< 0.5	3	1.41	5
V845104							940	2.6	< 0.5	62	408	11	18	6	57	1.52	< 2	< 10	82	< 0.5	< 2	1.37	15
1231031230	58.3	25.9	-32.5	64.0	0.404	8.38	213	1.7	1.2	220	687	3	15	9	350	1.77	17	< 10	22	< 0.5	3	1.69	8
1231031123	52.3	15.2	-37.1	57.6	0.264	8.43	184	1.1	4.4	116	636	2	13	3	931	1.84	10	< 10	16	< 0.5	< 2	1.26	7
1231031023	54.6	37.9	-16.6	62.2	0.610	8.67	589	3.4	4.0	159	959	3	44	2	822	1.91	11	< 10	17	< 0.5	4	1.85	14
1232031182	25.4	25.6	0.139	28.2	0.907	8.66	147	0.4	0.5	47	753	1	13	10	159	1.91	13	< 10	41	< 0.5	< 2	1.75	7
1231031258	50.0	9.48	-40.5	53.9	0.176	8.43	97	0.7	0.5	91	546	1	16	2	140	1.98	10	< 10	23	< 0.5	3	1.37	8
1231031063	61.4	25.4	-36.0	67.7	0.376	8.47	275	1.3	2.0	70	687	2	18	< 2	435	1.60	11	< 10	13	< 0.5	7	1.27	10
1231031340	53.6	31.1	-22.6	59.7	0.520	8.67	86	0.8	1.4	72	637	2	12	3	250	0.98	6	< 10	13	< 0.5	5	1.53	8
V845105							1130	4.7	< 0.5	24	142	6	5	< 2	25	0.57	< 2	< 10	23	< 0.5	< 2	0.63	5
1228016052	80.7	30.7	-50.1	87.6	0.350	8.38	72	1.7	0.9	47	661	1	18	52	230	2.44	29	< 10	18	< 0.5	< 2	2.22	10
1230050222	25.7	18.1	-7.65	28.5	0.635	8.76	67	0.3	< 0.5	57	421	2	13	3	133	2.02	10	< 10	40	< 0.5	< 2	1.21	8
1228016057	25.2	22.3	-2.87	29.1	0.767	8.81	53	0.3	< 0.5	32	343	2	16	48	140	1.94	24	< 10	38	< 0.5	< 2	1.86	11
1229065224	47.7	16.5	-31.1	53.9	0.307	8.33	264	0.9	< 0.5	22	773	< 1	14	28	152	1.25	47	< 10	24	< 0.5	2	0.76	7
1228017133	39.6	30.8	-8.81	44.4	0.693	8.87	40	0.6	1.7	100	600	3	19	36	557	1.04	8	< 10	28	< 0.5	< 2	1.34	8
1230050131	28.1	17.6	-10.6	27.6	0.637	8.70	224	0.3	1.0	66	460	3	12	< 2	268	2.58	10	< 10	39	< 0.5	4	1.50	6
1228017181	40.7	23.8	-16.9	46.5	0.512	9.17	214	0.4	4.2	129	518	3	18	34	1150	0.93	9	< 10	21	< 0.5	< 2	1.01	7
1230050053	33.8	13.6	-20.2	37.7	0.361	8.98	41	0.8	< 0.5	45	585	1	15	4	132	1.75	31	< 10	32	< 0.5	< 2	1.38	8
1229065105	44.5	80.8	36.4	50.5	1.60	9.24	114	1.6	0.6	32	1610	< 1	14	39	152	1.25	38	< 10	33	< 0.5	< 2	3.16	7
1228017175	42.9	29.5	-13.4	48.1	0.614	9.11	436	0.6	2.5	129	500	4	23	4	701	1.02	10	< 10	23	< 0.5	< 2	1.24	7
V845106							744	3.1	< 0.5	34	266	15	11	13	44	1.13	< 2	< 10	59	< 0.5	< 2	2.05	8
1230051112	23.2	11.8	-11.5	26.6	0.442	8.93	241	0.3	1.1	38	474	2	17	19	298	2.85	22	13	34	< 0.5	< 2	1.48	7
1230051029	73.6	14.8	-58.9	82.1	0.180	8.49	419	10.1	2.1	129	772	1	16	8	702	2.34	39	< 10	< 10	< 0.5	< 2	1.01	12
1229065092	42.9	26.6	-16.3	47.8	0.558	8.96	237	1.9	0.9	46	1020	< 1	11	42	278	1.87	41	< 10	42	< 0.5	< 2	1.38	6
1229065143	59.3	11.2	-48.1	65.5	0.170	8.48	282	3.0	1.6	47	1660	< 1	10	126	518	1.58	51	< 10	33	< 0.5	< 2	0.67	9
1229065088	47.0	5.55	-41.4	51.1	0.109	8.61	412	2.2	2.2	64	641	< 1	13	67	613	2.12	35	< 10	40	< 0.5	< 2	0.41	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
V842464	14	3.19	< 10	< 1	0.23	11	0.54	0.233	0.060	0.06	< 2	4	38	0.44	10	< 2	< 10	97	< 10	17	9	0.02	0.06
1229031212	99	3.79	< 10	< 1	0.22	16	0.98	0.026	0.040	1.94	< 2	< 1	22	0.02	8	< 2	< 10	9	< 10	2	12	0.09	1.72
1228015272	183	2.53	< 10	< 1	0.17	14	0.77	0.076	0.041	2.05	< 2	1	28	0.04	< 1	< 2	< 10	16	< 10	3	13	0.23	1.83
1231095134	197	2.37	< 10	< 1	0.21	14	0.70	0.073	0.044	0.94	3	2	41	0.07	2	< 2	< 10	25	< 10	3	7	0.26	0.84
1228015116	176	2.76	< 10	< 1	0.15	14	0.70	0.074	0.040	2.25	< 2	< 1	33	< 0.01	5	< 2	< 10	11	< 10	3	15	0.25	2.06
1231095094	194	2.00	< 10	< 1	0.20	14	0.68	0.146	0.041	1.06	2	1	103	0.03	< 1	< 2	< 10	17	< 10	2	4	0.11	0.97
1231095244	214	2.30	< 10	< 1	0.15	15	0.81	0.167	0.043	1.33	< 2	2	76	0.02	< 1	< 2	< 10	20	< 10	2	6	0.15	1.21
1228015195	198	2.40	< 10	< 1	0.13	14	0.75	0.057	0.037	1.60	< 2	1	24	< 0.01	< 1	< 2	< 10	15	< 10	3	13	0.40	1.49
1229031374	138	2.49	< 10	< 1	0.11	14	0.95	0.165	0.040	1.58	< 2	< 1	115	< 0.01	4	< 2	< 10	12	< 10	2	8	0.08	1.41
1231095325	281	2.15	< 10	< 1	0.15	12	0.89	0.138	0.036	0.62	< 2	1	59	< 0.01	< 1	< 2	< 10	13	< 10	2	4	0.33	0.58
1228015160	212	2.61	< 10	< 1	0.16	15	0.64	0.052	0.041	1.73	< 2	< 1	26	< 0.01	< 1	< 2	< 10	10	< 10	3	12	0.42	1.52
1231095345	161	2.43	< 10	< 1	0.19	26	1.40	0.183	0.066	0.99	< 2	2	87	0.05	3	< 2	< 10	26	< 10	3	2	0.23	0.85
1228015040	206	2.18	< 10	< 1	0.19	15	0.75	0.054	0.041	1.32	< 2	2	22	0.04	< 1	< 2	< 10	18	< 10	3	15	0.18	1.22
1228015295	217	2.56	< 10	< 1	0.15	14	0.75	0.068	0.039	2.15	2	1	29	0.02	< 1	< 2	< 10	14	< 10	3	13	0.42	1.98
1231095223	123	2.55	< 10	< 1	0.23	16	0.58	0.111	0.045	2.25	< 2	< 1	56	< 0.01	< 1	< 2	< 10	9	< 10	2	7	0.04	2.06
V842465	13	4.18	< 10	< 1	0.32	12	0.71	0.190	0.075	0.07	< 2	5	33	0.43	13	< 2	< 10	122	< 10	17	12	0.03	0.07
1230098328	196	2.51	< 10	< 1	0.14	15	1.09	0.048	0.043	0.98	< 2	2	28	0.02	< 1	< 2	< 10	18	< 10	3	7	0.26	0.91
1230098329	186	2.35	< 10	< 1	0.14	13	0.92	0.047	0.042	1.12	< 2	2	29	0.04	1	< 2	< 10	21	< 10	3	8	0.21	1.07
1229031289	124	3.66	< 10	< 1	0.18	10	0.78	0.111	0.033	1.86	< 2	< 1	75	0.02	2	< 2	< 10	7	< 10	2	10	0.10	1.70
1230098292	220	2.23	< 10	< 1	0.14	21	1.02	0.040	0.062	0.67	2	2	27	< 0.01	< 1	< 2	< 10	17	< 10	2	2	0.46	0.60
1228015081	130	2.72	< 10	< 1	0.15	18	0.93	0.094	0.045	3.00	< 2	1	38	< 0.01	< 1	< 2	< 10	11	< 10	3	18	0.21	2.71
1228015269	164	2.43	< 10	< 1	0.12	15	0.77	0.065	0.041	1.86	< 2	1	28	0.04	< 1	< 2	< 10	16	< 10	3	14	0.18	1.72
1228015017	186	2.46	< 10	< 1	0.10	15	0.90	0.060	0.042	2.04	< 2	2	26	< 0.01	< 1	< 2	< 10	14	< 10	3	14	0.30	1.70
1228015069	189	2.33	< 10	< 1	0.11	15	0.85	0.068	0.042	1.90	< 2	1	30	< 0.01	2	< 2	< 10	11	< 10	3	9	0.41	1.81
1228015172	134	2.09	< 10	2	0.12	16	1.08	0.067	0.041	2.25	3	< 1	24	< 0.01	< 1	< 2	< 10	8	< 10	2	14	0.08	2.13
1229031355	164	3.29	< 10	< 1	0.23	10	0.78	0.044	0.034	1.56	< 2	< 1	37	0.03	3	< 2	< 10	9	< 10	2	11	0.33	1.49
V842466	14	3.57	< 10	< 1	0.23	11	0.54	0.243	0.062	0.06	< 2	4	40	0.46	7	< 2	< 10	98	< 10	17	12	0.03	0.06
1231032712	141	3.05	< 10	< 1	0.32	13	1.41	0.167	0.054	1.40	< 2	3	56	0.08	< 1	< 2	< 10	41	< 10	4	6	0.17	1.40
1231032717	140	6.04	10	< 1	0.19	11	1.73	0.053	0.066	2.57	< 2	6	22	0.14	1	< 2	< 10	109	< 10	8	9	0.20	2.35
1231049337	180	2.16	< 10	< 1	0.25	12	1.20	0.224	0.039	1.05	< 2	1	150	0.02	< 1	< 2	< 10	16	< 10	2	5	0.30	1.03
1231094477	129	2.20	< 10	< 1	0.20	16	1.00	0.122	0.050	1.72	3	< 1	58	< 0.01	1	< 2	< 10	12	< 10	2	6	0.17	1.61
1231032713	119	2.51	< 10	< 1	0.28	12	1.20	0.148	0.068	1.19	2	4	56	0.06	< 1	< 2	< 10	47	< 10	6	5	0.15	1.13
1229039048	162	3.04	< 10	< 1	0.18	17	1.54	0.034	0.040	1.75	< 2	< 1	23	0.03	< 1	< 2	< 10	12	< 10	2	9	0.19	1.65
1231032787	201	2.34	< 10	< 1	0.18	18	1.20	0.093	0.051	1.33	3	1	35	< 0.01	< 1	< 2	< 10	18	< 10	2	5	0.13	1.22
1231031330	123	2.61	< 10	< 1	0.21	18	1.06	0.091	0.055	1.46	< 2	< 1	45	< 0.01	2	< 2	< 10	11	< 10	2	4	0.28	1.30
1231032738	94	3.45	< 10	< 1	0.16	15	1.13	0.085	0.048	2.93	< 2	1	40	0.01	< 1	< 2	< 10	15	< 10	3	12	0.22	2.42
1231032638	152	2.43	< 10	< 1	0.18	13	1.47	0.148	0.044	0.93	3	2	85	0.01	1	< 2	< 10	23	< 10	2	4	0.32	0.85
V842467	14	3.97	< 10	< 1	0.44	30	0.78	0.191	0.096	0.08	< 2	6	54	0.43	2	< 2	< 10	120	< 10	23	8	0.11	0.08
1229039122	116	4.42	< 10	< 1	0.13	< 10	2.04	0.463	0.023	0.37	< 2	6	60	0.15	5	< 2	< 10	112	< 10	3	3	0.08	0.36
1229039001	126	2.44	< 10	< 1	0.19	20	0.82	0.053	0.045	1.34	< 2	1	29	0.01	< 1	< 2	< 10	13	< 10	3	6	0.23	1.28
1229039173	120	2.74	< 10	< 1	0.20	11	1.36	0.027	0.037	2.78	< 2	< 1	15	0.01	4	< 2	< 10	6	< 10	2	14	0.24	2.42
1229039177	79	2.70	< 10	< 1	0.19	12	1.77	0.043	0.034	2.10	< 2	< 1	18	< 0.01	< 1	< 2	< 10	8	< 10	2	11	0.26	2.04
1229039175	77	2.95	< 10	< 1	0.19	14	2.07	0.034	0.037	2.16	< 2	< 1	14	< 0.01	< 1	< 2	< 10	8	< 10	2	10	0.23	1.92
1229039102	125	4.89	< 10	< 1	0.05	< 10	2.18	0.492	0.020	0.11	< 2	7	70	0.23	< 1	< 2	< 10	150	< 10	4	2	0.09	0.10
1229039095	135	2.95	< 10	< 1	0.37	10	1.06	0.157	0.036	1.84	< 2	2	38	0.03	< 1	< 2	< 10	26	< 10	2	9	0.13	1.74
v842468	14	3.28	< 10	< 1	0.24	11	0.56	0.253	0.061	0.06	< 2	4	40	0.46	7	< 2	< 10	99	< 10	17	8	0.02	0.05
1231094410	134	2.03	< 10	< 1	0.21	14	0.64	0.100	0.040	1.60	< 2	< 1	44	< 0.01	1	< 2	< 10	9	< 10	2	6	0.05	1.43
1229039146	130	2.40	< 10	< 1	0.20	14	1.09	0.107	0.039	1.71	< 2	< 1	50	0.03	< 1	< 2	< 10	11	< 10	2	8	0.12	1.59
1229039085	103	3.47	< 10	1	0.35	< 10	1.11	0.165	0.035	1.86	< 2	2	37	0.04	< 1	< 2	< 10	36	< 10	2	10	0.17	1.81
1229039324	81	2.53	< 10	< 1	0.17	13	2.18	0.025	0.036	1.54	< 2	< 1	12	< 0.01	2	< 2	< 10	9	< 10	2	8	0.21	1.38
1231094462	158	1.74	< 10	< 1	0.19	17	0.81	0.115	0.050	0.75	< 2	1	59	< 0.01	3	< 2	< 10	13	< 10	2	3	0.17	0.72

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
1231094463	135	1.83	< 10	< 1	0.19	16	0.91	0.139	0.040	0.71	< 2	< 1	72	< 0.01	< 1	< 2	< 10	13	< 10	2	4	0.21	0.67
1229039026	108	3.05	< 10	< 1	0.16	15	1.49	0.042	0.045	1.71	< 2	< 1	19	0.01	< 1	< 2	< 10	12	< 10	2	9	0.08	1.57
1229039077	157	3.52	< 10	< 1	0.21	14	1.03	0.050	0.039	2.77	< 2	< 1	19	< 0.01	< 1	< 2	< 10	8	< 10	2	13	0.11	2.58
1231094323	215	2.15	< 10	< 1	0.16	15	0.80	0.183	0.041	1.18	2	1	110	0.02	2	< 2	< 10	16	24	2	4	0.16	1.12
1231094322	182	2.07	< 10	< 1	0.16	15	1.01	0.151	0.041	1.06	< 2	1	88	< 0.01	2	< 2	< 10	15	< 10	2	5	0.16	1.01
1231094500	176	2.34	< 10	< 1	0.18	14	0.71	0.170	0.036	1.38	< 2	1	99	0.02	2	< 2	< 10	15	< 10	2	9	0.15	1.27
V842473	13	3.24	< 10	< 1	0.27	18	0.46	0.179	0.049	0.05	< 2	3	50	0.29	10	< 2	< 10	61	< 10	19	7	0.41	0.04
1231094353	254	1.60	< 10	< 1	0.13	16	0.73	0.166	0.042	1.01	< 2	1	81	< 0.01	< 1	< 2	< 10	12	< 10	2	2	0.22	0.93
1231094004	132	1.35	< 10	< 1	0.19	14	0.91	0.130	0.039	0.69	< 2	< 1	53	< 0.01	< 1	< 2	< 10	11	< 10	1	2	0.15	0.62
1231094351	141	2.16	< 10	< 1	0.17	17	1.10	0.147	0.046	1.47	2	1	84	< 0.01	< 1	< 2	< 10	14	< 10	2	5	0.19	1.36
1231094007	110	1.64	< 10	< 1	0.15	17	0.82	0.060	0.024	1.06	< 2	< 1	39	< 0.01	< 1	< 2	< 10	9	< 10	1	7	0.04	0.98
1229039040	136	3.22	< 10	< 1	0.18	15	1.55	0.080	0.042	1.55	< 2	1	29	0.02	< 1	< 2	< 10	20	< 10	2	7	0.19	1.45
1231094027	126	2.47	< 10	< 1	0.33	23	1.25	0.214	0.056	1.25	< 2	2	107	0.03	< 1	< 2	< 10	23	< 10	3	3	0.26	1.12
1231094204	143	1.97	< 10	< 1	0.20	15	0.83	0.134	0.040	1.43	3	< 1	52	< 0.01	< 1	< 2	< 10	11	< 10	2	5	0.25	1.31
1231094051	209	1.99	< 10	< 1	0.17	15	0.89	0.163	0.040	0.93	3	1	85	< 0.01	< 1	< 2	< 10	12	< 10	2	3	0.26	0.87
1231094218	136	2.16	< 10	< 1	0.25	23	1.13	0.155	0.048	1.18	< 2	1	77	0.04	< 1	< 2	< 10	21	< 10	2	2	0.24	1.15
1231094321	109	1.93	< 10	1	0.18	16	1.02	0.091	0.041	1.21	< 2	< 1	38	< 0.01	4	< 2	< 10	9	< 10	2	8	0.10	1.13
1231094428	171	2.20	< 10	< 1	0.16	12	1.08	0.112	0.037	1.49	< 2	1	52	< 0.01	2	< 2	< 10	13	< 10	2	7	0.20	1.43
1229039014	126	2.61	< 10	< 1	0.19	13	1.70	0.035	0.039	1.17	< 2	< 1	17	0.01	< 1	< 2	< 10	13	< 10	2	8	0.10	1.14
1231094335	109	2.64	< 10	< 1	0.22	14	1.29	0.058	0.039	1.60	< 2	1	23	< 0.01	2	< 2	< 10	14	< 10	2	8	0.23	1.48
V842474	10	1.57	< 10	< 1	0.09	< 10	0.13	0.152	0.032	0.02	< 2	1	22	0.28	5	< 2	< 10	38	< 10	9	12	0.05	0.01
1231032763	110	7.57	< 10	< 1	0.19	10	1.87	0.095	0.061	6.32	2	4	39	0.03	< 1	< 2	< 10	75	< 10	7	12	0.24	6.13
1231031020	197	4.58	< 10	< 1	0.22	15	1.58	0.136	0.070	2.24	4	5	64	0.04	< 1	< 2	< 10	57	< 10	6	6	0.58	2.20
1231032879	176	2.44	< 10	< 1	0.24	16	1.09	0.063	0.044	1.56	< 2	2	31	0.04	< 1	< 2	< 10	21	< 10	3	11	0.43	1.39
1231031002	157	2.26	< 10	5	0.25	17	0.86	0.136	0.049	0.70	< 2	1	72	0.05	< 1	< 2	< 10	16	< 10	3	1	0.12	0.67
1231031376	185	2.21	< 10	< 1	0.24	18	0.79	0.105	0.049	1.08	< 2	2	83	0.06	< 1	< 2	< 10	24	< 10	3	2	0.50	0.95
1231031310	123	2.43	< 10	< 1	0.21	16	1.05	0.067	0.060	0.94	< 2	1	43	0.02	2	< 2	< 10	15	< 10	3	2	0.20	0.88
1231031077	272	2.43	< 10	< 1	0.19	14	1.09	0.055	0.046	0.80	3	2	22	0.05	2	< 2	< 10	26	< 10	3	3	0.38	0.68
1231031328	160	2.27	< 10	< 1	0.25	15	0.91	0.119	0.043	0.87	< 2	1	57	0.05	3	4	< 10	16	< 10	2	3	0.18	0.82
V842469	13	3.16	< 10	< 1	0.26	17	0.45	0.176	0.048	0.04	< 2	3	50	0.29	4	< 2	< 10	61	< 10	18	6	0.41	0.04
1231031334	186	2.13	< 10	< 1	0.22	17	0.76	0.208	0.050	1.14	< 2	1	173	0.04	< 1	< 2	< 10	19	< 10	2	2	0.44	1.04
1231033066	165	2.39	< 10	< 1	0.27	16	1.02	0.148	0.044	1.26	2	1	61	0.04	3	< 2	< 10	16	< 10	3	6	0.22	1.17
1231031434	151	2.33	< 10	< 1	0.20	14	1.04	0.044	0.047	1.36	< 2	1	19	< 0.01	< 1	< 2	< 10	13	< 10	2	5	0.15	1.27
1231033061	177	2.80	< 10	< 1	0.55	14	0.99	0.205	0.044	1.77	2	2	104	0.06	< 1	< 2	< 10	22	< 10	3	6	0.22	1.66
1231031028	227	2.45	< 10	< 1	0.21	17	1.33	0.082	0.059	1.02	3	2	43	< 0.01	< 1	< 2	< 10	17	< 10	3	4	0.27	0.96
1231033062	166	3.02	< 10	< 1	0.47	15	0.98	0.204	0.045	1.83	5	2	99	0.07	5	< 2	< 10	23	< 10	3	6	0.20	1.78
1231031030	181	2.51	< 10	< 1	0.21	16	1.08	0.103	0.049	1.29	2	2	47	0.02	< 1	< 2	< 10	23	< 10	3	4	0.40	1.18
12310321048	196	2.55	< 10	< 1	0.23	14	1.45	0.062	0.049	1.25	2	2	29	< 0.01	< 1	< 2	< 10	22	< 10	3	5	0.48	1.23
1231033051	187	2.32	< 10	< 1	0.22	14	1.04	0.055	0.043	1.18	< 2	1	22	0.02	1	< 2	< 10	18	< 10	2	4	0.25	1.11
1231032982	162	7.99	< 10	< 1	0.26	< 10	1.33	0.086	0.061	7.55	3	8	44	0.07	3	< 2	< 10	105	< 10	8	11	0.47	6.91
V842470	13	3.96	< 10	< 1	0.32	12	0.70	0.191	0.072	0.08	< 2	6	34	0.42	< 1	< 2	< 10	122	< 10	17	8	0.05	0.07
1231032815	196	2.85	< 10	< 1	0.20	15	0.91	0.092	0.045	2.36	< 2	1	45	< 0.01	< 1	< 2	< 10	11	< 10	2	9	0.17	2.15
1231031285	145	2.57	< 10	< 1	0.21	15	1.04	0.137	0.046	1.05	< 2	1	67	0.01	< 1	< 2	< 10	14	< 10	2	4	0.37	1.00
1231031360	318	2.60	< 10	< 1	0.44	16	1.16	0.196	0.043	0.75	3	3	87	0.07	< 1	< 2	< 10	39	< 10	4	2	0.57	0.63
1231031286	154	2.46	< 10	< 1	0.24	14	0.99	0.101	0.041	0.93	< 2	1	60	0.03	< 1	< 2	< 10	16	< 10	2	6	0.25	0.88
1231094437	116	2.46	< 10	< 1	0.23	11	1.61	0.026	0.036	1.26	< 2	< 1	21	0.02	10	< 2	< 10	11	< 10	1	5	0.15	1.16
1231094285	155	2.48	< 10	< 1	0.27	28	1.63	0.083	0.084	0.92	2	2	53	0.05	2	< 2	< 10	27	< 10	3	2	0.39	0.90
1231032683	133	3.85	< 10	< 1	0.22	19	1.11	0.132	0.057	3.04	< 2	2	54	0.03	< 1	2	< 10	27	< 10	3	7	0.22	2.82
1231032796	133	2.60	< 10	< 1	0.31	16	1.32	0.127	0.049	1.02	4	2	48	0.05	1	< 2	< 10	23	< 10	3	2	0.20	0.95
1231032883	222	2.29	< 10	< 1	0.30	15	1.15	0.063	0.047	0.55	< 2	2	27	0.03	< 1	< 2	< 10	23	< 10	3	4	0.51	0.51
1231032878	146	2.48	< 10	< 1	0.27	16	1.21	0.109	0.045	1.26	3	2	51	0.05	< 1	< 2	< 10	26	< 10	3	2	0.50	1.22

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
1231031351	161	2.80	< 10	< 1	0.21	15	0.88	0.152	0.052	1.49	< 2	2	103	0.06	2	< 2	< 10	35	19	4	3	0.36	1.39
1231032893	101	3.10	< 10	< 1	0.22	13	0.72	0.096	0.040	2.82	< 2	< 1	38	< 0.01	< 1	< 2	< 10	9	< 10	2	13	0.12	2.55
1231032965	116	2.55	< 10	< 1	0.27	16	1.43	0.125	0.045	1.19	2	1	44	0.03	< 1	< 2	< 10	20	< 10	3	3	0.40	1.11
V842471	9	1.53	< 10	< 1	0.08	< 10	0.12	0.145	0.030	0.02	< 2	1	22	0.27	3	< 2	< 10	36	< 10	9	6	0.05	0.01
1231031166	151	2.18	< 10	< 1	0.29	18	1.05	0.156	0.047	0.94	< 2	2	102	0.03	< 1	< 2	< 10	26	< 10	3	2	0.39	0.92
12310321064	123	2.82	< 10	< 1	0.23	16	1.03	0.101	0.055	0.98	< 2	2	56	0.04	< 1	< 2	< 10	21	< 10	3	2	0.17	0.92
1231033112	212	2.50	< 10	< 1	0.54	18	1.03	0.124	0.045	1.13	3	2	58	0.10	< 1	< 2	< 10	24	< 10	3	7	0.25	1.12
1231031010	106	3.02	< 10	< 1	0.19	19	1.38	0.102	0.071	0.95	2	2	82	0.04	2	< 2	< 10	36	< 10	4	2	0.31	0.92
1231031314	163	2.91	< 10	< 1	0.30	19	0.75	0.081	0.044	2.49	< 2	< 1	45	0.02	< 1	< 2	< 10	11	< 10	2	10	0.23	2.23
1231031145	146	2.37	< 10	< 1	0.22	16	1.21	0.108	0.046	0.55	2	1	45	< 0.01	< 1	< 2	< 10	14	< 10	2	3	0.19	0.52
V842472	14	3.25	< 10	< 1	0.24	11	0.55	0.246	0.061	0.06	< 2	4	40	0.46	6	< 2	< 10	98	< 10	17	10	0.02	0.06
1231031405	169	3.25	< 10	< 1	0.42	42	1.24	0.114	0.145	0.78	< 2	3	104	0.07	< 1	< 2	< 10	36	< 10	6	2	0.35	0.73
1231031437	150	2.78	< 10	< 1	0.20	16	1.04	0.055	0.045	1.37	4	1	29	< 0.01	< 1	< 2	< 10	14	< 10	3	5	0.30	1.28
1231031512	131	2.36	< 10	< 1	0.24	16	0.98	0.074	0.050	0.67	2	1	47	0.04	< 1	< 2	< 10	15	< 10	2	2	0.22	0.64
12310321061	283	2.23	< 10	< 1	0.33	15	1.11	0.063	0.043	0.88	< 2	2	24	0.04	< 1	< 2	< 10	26	< 10	3	6	0.28	0.72
1231033049	181	2.73	< 10	< 1	0.28	20	1.25	0.068	0.055	1.64	< 2	2	36	0.01	< 1	< 2	< 10	23	< 10	4	7	0.35	1.51
1230049054	152	2.30	< 10	< 1	0.17	14	0.93	0.080	0.040	1.30	3	1	54	0.01	2	< 2	< 10	16	< 10	2	6	0.14	1.18
1230049139	115	2.37	< 10	< 1	0.23	22	1.12	0.024	0.055	1.65	< 2	1	13	< 0.01	< 1	< 2	< 10	12	< 10	2	4	0.14	1.50
1231033002	172	2.79	< 10	< 1	0.27	14	1.42	0.068	0.047	1.39	< 2	2	38	0.01	< 1	< 2	< 10	22	< 10	3	6	0.46	1.29
1230049053	172	2.34	< 10	< 1	0.18	14	0.74	0.137	0.037	1.34	< 2	1	91	0.04	< 1	< 2	< 10	19	< 10	2	4	0.11	1.20
1230049107	129	2.25	< 10	< 1	0.25	13	0.30	0.058	0.045	2.29	< 2	< 1	27	< 0.01	6	< 2	< 10	6	< 10	2	14	< 0.01	2.11
1228016001	213	1.79	< 10	< 1	0.19	16	0.34	0.288	0.043	1.21	2	< 1	281	< 0.01	< 1	< 2	< 10	8	< 10	2	2	0.17	1.14
1231031404	73	2.83	< 10	< 1	0.32	27	1.07	0.067	0.080	0.91	< 2	2	50	0.05	2	< 2	< 10	21	< 10	4	2	0.31	0.90
1230049163	107	2.38	< 10	< 1	0.44	16	1.13	0.064	0.045	1.54	< 2	1	42	0.03	< 1	< 2	< 10	17	< 10	2	3	0.25	1.43
V845101	12	3.12	< 10	< 1	0.26	17	0.44	0.173	0.047	0.04	< 2	3	50	0.30	6	< 2	< 10	60	< 10	18	8	0.42	0.04
1230049203	160	2.29	< 10	< 1	0.48	17	1.24	0.038	0.045	1.18	3	2	22	0.02	< 1	< 2	< 10	18	< 10	3	4	0.26	1.09
1228016011	184	2.82	< 10	< 1	0.21	25	1.32	0.071	0.064	2.87	5	2	48	< 0.01	10	< 2	< 10	13	< 10	3	6	0.68	2.50
1230049195	109	2.36	< 10	< 1	0.51	22	1.29	0.049	0.053	1.31	< 2	2	26	0.03	< 1	< 2	< 10	22	< 10	3	2	0.14	1.26
1228016019	224	2.60	< 10	< 1	0.21	21	1.22	0.107	0.058	2.39	2	2	55	< 0.01	< 1	< 2	< 10	14	< 10	3	7	0.60	2.21
1229065015	127	2.12	< 10	< 1	0.20	16	1.14	0.088	0.042	1.49	< 2	< 1	42	< 0.01	1	< 2	< 10	9	< 10	2	7	0.67	1.45
1228016109	140	2.33	< 10	< 1	0.23	17	0.76	0.043	0.051	2.50	2	< 1	32	< 0.01	4	7	< 10	5	< 10	3	7	0.74	2.24
1230050090	211	2.08	< 10	< 1	0.21	18	1.03	0.164	0.041	0.63	3	1	95	0.04	< 1	< 2	< 10	14	< 10	2	2	0.11	0.61
1228016128	116	2.37	< 10	< 1	0.28	17	0.40	0.080	0.047	2.77	< 2	< 1	50	< 0.01	3	< 2	< 10	5	< 10	2	11	0.55	2.42
1228016139	122	2.22	< 10	< 1	0.26	15	0.66	0.054	0.044	2.14	< 2	< 1	41	< 0.01	2	< 2	< 10	6	< 10	3	6	0.97	1.95
1230050210	192	3.05	< 10	< 1	0.23	16	0.81	0.062	0.040	2.14	3	< 1	39	0.01	5	< 2	< 10	11	< 10	2	8	0.08	2.01
V845102	13	3.26	< 10	< 1	0.24	11	0.55	0.245	0.059	0.06	< 2	4	41	0.45	8	< 2	< 10	98	< 10	17	8	0.02	0.08
1228017174	340	2.90	< 10	< 1	0.16	15	0.86	0.058	0.041	2.43	3	1	23	< 0.01	< 1	< 2	< 10	16	< 10	3	15	0.31	2.16
1230050141	283	3.90	< 10	< 1	0.19	36	1.69	0.047	0.139	1.27	3	6	38	0.02	3	< 2	< 10	66	< 10	5	2	0.19	1.14
1228017171	246	2.40	< 10	< 1	0.18	13	1.01	0.051	0.041	2.23	2	1	23	< 0.01	1	< 2	< 10	12	< 10	2	14	0.14	2.19
1228017177	315	2.64	< 10	< 1	0.18	22	0.93	0.056	0.070	1.74	2	2	80	0.01	4	< 2	< 10	22	< 10	4	3	0.41	1.68
1228017250	254	2.15	< 10	< 1	0.24	19	1.04	0.070	0.043	1.29	< 2	1	47	0.04	< 1	< 2	< 10	14	< 10	2	6	0.30	1.19
1228017197	234	3.43	< 10	< 1	0.23	13	1.01	0.050	0.046	3.31	< 2	1	32	< 0.01	< 1	< 2	< 10	12	35	2	17	0.13	2.84
V845103	14	3.53	< 10	< 1	0.24	11	0.55	0.250	0.061	0.06	< 2	4	41	0.45	2	< 2	< 10	99	< 10	17	10	0.02	0.06
1232090153	173	2.39	< 10	< 1	0.30	17	0.76	0.135	0.048	1.30	< 2	2	60	0.04	< 1	< 2	< 10	20	< 10	3	5	0.18	1.20
1229041276	168	4.50	< 10	< 1	1.64	73	2.53	0.072	0.238	0.44	2	10	129	0.17	3	< 2	< 10	109	< 10	7	3	0.58	0.44
1229041197	146	2.74	< 10	< 1	0.35	14	0.97	0.111	0.043	1.41	< 2	2	92	0.05	< 1	< 2	< 10	21	< 10	2	6	0.30	1.33
1228017021	195	2.61	< 10	< 1	0.31	27	1.36	0.047	0.046	1.38	< 2	1	51	0.02	< 1	< 2	< 10	15	< 10	3	4	0.46	1.27
1229041245	152	2.44	< 10	< 1	0.34	14	0.88	0.193	0.041	1.19	2	1	172	0.08	< 1	< 2	< 10	20	< 10	2	5	0.26	1.10
1229041027	86	2.28	< 10	< 1	0.42	21	1.41	0.062	0.048	0.93	< 2	1	53	0.05	< 1	< 2	< 10	19	< 10	2	3	0.21	0.84
1229041004	186	2.28	< 10	2	0.19	12	0.77	0.164	0.035	1.39	< 2	1	121	< 0.01	< 1	< 2	< 10	14	< 10	2	7	0.12	1.31
1229041116	135	3.27	< 10	< 1	0.33	13	0.98	0.076	0.038	1.36	< 2	1	43	0.04	1	< 2	< 10	13	< 10	2	10	0.12	1.24

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
1229041215	102	4.30	10	< 1	0.53	12	1.88	0.069	0.053	0.99	3	6	64	0.16	2	< 2	< 10	83	< 10	5	8	0.18	0.45
1229041164	136	2.98	< 10	< 1	0.35	12	0.76	0.094	0.036	1.45	< 2	< 1	46	0.03	< 1	< 2	< 10	11	< 10	2	9	0.15	1.28
1229041243	204	2.22	< 10	< 1	0.27	13	0.79	0.171	0.035	1.17	< 2	1	108	0.06	7	< 2	< 10	17	< 10	2	6	0.26	1.07
1229041188	196	2.13	< 10	< 1	0.23	13	0.88	0.062	0.042	1.28	< 2	1	25	< 0.01	< 1	< 2	< 10	16	< 10	2	8	0.21	1.15
1228017055	234	2.48	< 10	< 1	0.26	17	0.94	0.080	0.043	1.58	< 2	2	35	0.01	5	< 2	< 10	17	< 10	3	8	0.28	1.44
1230052001	101	2.35	< 10	< 1	0.41	14	1.30	0.029	0.041	0.58	3	1	32	0.03	< 1	< 2	< 10	21	< 10	3	5	0.25	0.54
1230052045	137	2.36	< 10	< 1	0.31	14	1.33	0.093	0.041	1.91	3	1	75	< 0.01	< 1	< 2	< 10	13	< 10	2	6	0.29	1.70
1229041049	107	2.38	< 10	< 1	0.29	19	0.80	0.087	0.045	1.31	< 2	1	60	< 0.01	< 1	< 2	< 10	12	< 10	2	5	0.11	1.19
1230052019	126	8.14	10	< 1	0.27	< 10	2.24	0.036	0.077	5.20	5	8	16	0.13	7	< 2	< 10	134	< 10	12	8	0.17	4.91
1228017275	166	2.33	< 10	< 1	0.28	19	1.03	0.146	0.044	1.16	< 2	1	90	< 0.01	< 1	< 2	< 10	13	< 10	2	5	0.33	1.06
V845104	13	4.02	< 10	< 1	0.33	12	0.72	0.195	0.075	0.08	< 2	6	34	0.44	< 1	< 2	< 10	124	< 10	17	9	0.03	0.07
1231031230	154	2.77	< 10	< 1	0.23	17	0.89	0.188	0.047	2.27	< 2	< 1	89	0.01	5	< 2	< 10	13	< 10	3	8	0.33	2.09
1231031123	155	2.55	< 10	< 1	0.22	17	0.83	0.199	0.049	2.09	< 2	1	91	0.01	< 1	< 2	< 10	13	< 10	2	4	0.22	1.88
1231031023	200	3.58	< 10	< 1	0.22	16	1.39	0.115	0.069	2.22	< 2	3	62	0.03	3	< 2	< 10	35	< 10	4	4	0.58	2.03
1232031182	133	2.28	< 10	< 1	0.20	15	1.00	0.167	0.047	1.01	< 2	1	94	0.04	< 1	< 2	< 10	17	< 10	3	3	0.34	0.92
1231031258	203	2.55	< 10	< 1	0.26	17	0.78	0.248	0.048	1.88	< 2	1	147	0.04	< 1	< 2	< 10	17	< 10	3	5	0.21	1.76
1231031063	196	2.79	< 10	< 1	0.20	17	0.93	0.146	0.048	2.36	3	1	73	< 0.01	< 1	< 2	< 10	13	< 10	2	8	0.29	2.21
1231031340	165	2.46	< 10	< 1	0.27	20	0.63	0.069	0.062	2.14	< 2	1	54	0.03	2	< 2	< 10	19	< 10	3	6	0.39	1.95
V845105	9	1.51	< 10	< 1	0.09	< 10	0.13	0.147	0.031	0.02	< 2	1	22	0.28	6	< 2	< 10	38	< 10	9	8	0.04	0.02
1228016052	217	2.95	< 10	< 1	0.22	21	1.24	0.170	0.058	3.20	6	< 1	86	< 0.01	< 1	< 2	< 10	9	< 10	3	7	0.39	2.86
1230050222	173	2.41	< 10	< 1	0.22	16	1.14	0.059	0.041	0.99	2	1	55	< 0.01	< 1	< 2	< 10	14	< 10	2	4	0.22	0.93
1228016057	250	1.34	< 10	< 1	0.20	19	0.23	0.239	0.047	1.06	< 2	< 1	241	< 0.01	< 1	< 2	< 10	9	< 10	2	2	0.30	0.95
1229065224	174	2.15	< 10	< 1	0.23	18	0.86	0.064	0.043	1.97	< 2	< 1	32	< 0.01	< 1	< 2	< 10	6	< 10	2	8	0.30	1.76
1228017133	289	2.48	< 10	< 1	0.13	15	0.90	0.070	0.041	1.60	< 2	2	32	< 0.01	< 1	< 2	< 10	18	< 10	3	9	0.41	1.45
1230050131	142	2.23	< 10	< 1	0.19	18	1.18	0.113	0.044	0.97	< 2	1	103	< 0.01	< 1	< 2	< 10	14	< 10	1	4	0.21	0.90
1228017181	344	2.38	< 10	< 1	0.13	14	0.77	0.062	0.039	1.70	3	2	25	< 0.01	< 1	< 2	< 10	16	< 10	3	8	0.36	1.52
1230050053	151	1.90	< 10	< 1	0.27	15	0.74	0.161	0.041	1.38	< 2	1	99	0.02	< 1	< 2	< 10	13	< 10	2	4	0.18	1.23
1229065105	161	1.95	< 10	< 1	0.24	15	1.20	0.063	0.041	1.83	< 2	< 1	36	< 0.01	1	< 2	< 10	7	< 10	2	7	1.02	1.65
1228017175	257	2.44	< 10	< 1	0.15	15	0.88	0.058	0.041	1.75	< 2	2	31	< 0.01	2	< 2	< 10	17	< 10	3	9	0.37	1.57
V845106	13	3.11	< 10	< 1	0.26	16	0.45	0.172	0.049	0.05	5	3	49	0.30	4	< 2	< 10	60	< 10	18	9	0.39	0.04
1230051112	181	1.99	< 10	< 1	0.24	12	1.11	0.211	0.043	0.97	3	1	113	< 0.01	< 1	< 2	< 10	16	< 10	2	3	0.15	0.87
1230051029	144	3.85	< 10	< 1	0.32	13	1.70	0.073	0.045	2.86	4	2	43	0.03	8	< 2	< 10	24	< 10	4	9	0.15	2.68
1229065092	66	2.13	< 10	< 1	0.27	12	1.47	0.076	0.044	1.69	2	< 1	39	< 0.01	2	< 2	< 10	9	< 10	2	8	0.52	1.56
1229065143	100	2.65	< 10	< 1	0.21	12	1.13	0.062	0.047	2.39	3	< 1	29	< 0.01	2	< 2	< 10	7	< 10	1	7	0.28	2.14
1229065088	54	2.45	< 10	< 1	0.23	17	1.63	0.065	0.055	1.80	< 2	< 1	25	< 0.01	< 1	< 2	< 10	11	< 10	2	9	0.05	1.67

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
V842464	
1229031212	
1228015272	
1231095134	
1228015116	
1231095094	
1231095244	
1228015195	
1229031374	
1231095325	
1228015160	
1231095345	
1228015040	
1228015295	
1231095223	
V842465	
1230098328	
1230098329	
1229031289	
1230098292	
1228015081	
1228015269	
1228015017	
1228015069	
1228015172	
1229031355	
V842466	
1231032712	
1231032717	
1231049337	
1231094477	
1231032713	
1229039048	
1231032787	
1231031330	
1231032738	
1231032638	
V842467	
1229039122	
1229039001	
1229039173	
1229039177	
1229039175	
1229039102	
1229039095	
v842468	
1231094410	12.7
1229039146	
1229039085	
1229039324	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1231094462	
1231094463	
1229039026	
1229039077	
1231094323	
1231094322	
1231094500	
V842473	
1231094353	
1231094004	
1231094351	
1231094007	
1229039040	
1231094027	
1231094204	
1231094051	
1231094218	
1231094321	
1231094428	
1229039014	
1231094335	
V842474	
1231032763	
1231031020	
1231032879	
1231031002	
1231031376	
1231031310	
1231031077	
1231031328	
V842469	
1231031334	
1231033066	
1231031434	
1231033061	
1231031028	
1231033062	
1231031030	
12310321048	
1231033051	
1231032982	
V842470	
1231032815	
1231031285	
1231031360	
1231031286	
1231094437	
1231094285	
1231032683	
1231032796	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1231032883	
1231032878	
1231031351	
1231032893	
1231032965	
V842471	
1231031166	
12310321064	
1231033112	
1231031010	
1231031314	
1231031145	
V842472	
1231031405	
1231031437	
1231031512	
12310321061	
1231033049	
1230049054	
1230049139	
1231033002	
1230049053	
1230049107	
1228016001	
1231031404	
1230049163	
V845101	
1230049203	
1228016011	
1230049195	
1228016019	
1229065015	
1228016109	
1230050090	
1228016128	
1228016139	
1230050210	
V845102	
1228017174	
1230050141	
1228017171	
1228017177	
1228017250	
1228017197	
V845103	
1232090153	
1229041276	
1229041197	
1228017021	
1229041245	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229041027	
1229041004	
1229041116	
1229041215	
1229041164	
1229041243	
1229041188	
1228017055	
1230052001	
1230052045	
1229041049	
1230052019	
1228017275	
V845104	
1231031230	
1231031123	
1231031023	
1232031182	
1231031258	
1231031063	
1231031340	
V845105	
1228016052	
1230050222	
1228016057	
1229065224	
1228017133	
1230050131	
1228017181	
1230050053	
1229065105	
1228017175	
V845106	
1230051112	
1230051029	
1229065092	
1229065143	
1229065088	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas								0.3	< 0.5	73	1110	1	24	97	129	6.61	261	< 10	687	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.2	< 0.5	72	1070	1	24	92	127	6.26	254	< 10	661	0.9	5	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	72	1070	2	23	96	125	6.27	256	< 10	650	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	74	1100	1	25	94	129	6.51	242	< 10	679	0.9	4	0.12	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	13.8
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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SGR-1b Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
GS311-4 Meas																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
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GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
NBM-1 (slight fzz) Meas		42.1				8.60																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.0				8.38																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.3				8.59																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.9																					
NBM-1 (slight fzz) Cert		46.6																					
OREAS 922 (AQUA REGIA) Meas								0.7	< 0.5	2300	785	< 1	35	56	262	2.69	4		83	0.8	8	0.43	17
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								0.8	< 0.5	2280	762	2	34	56	254	2.56	18		76	0.8	7	0.42	17
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								0.8	< 0.5	2330	761	< 1	34	58	259	2.54	8		77	0.8	7	0.43	17
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								0.8	< 0.5	2300	766	< 1	34	55	258	2.60	9		71	0.8	< 2	0.41	17
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)								1.7	< 0.5	4470	892	< 1	33	76	340	2.68	8		66	0.7	13	0.44	20

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
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								1.7	< 0.5	4450	851	< 1	28	75	324	2.53	7		62	0.7	17	0.43	20
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								1.7	< 0.5	4470	893	< 1	32	84	344	2.66	7		58	0.7	10	0.42	20
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								11.0		> 10000				86	421						< 2		42
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.2		> 10000				85	420						< 2		42
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.5		> 10000				88	425						< 2		44
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.3		> 10000				87	425						< 2		43
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
OREAS 220 (Fire Assay) Meas							890																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							861																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							874																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							867																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							879																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							841																
OREAS 220 (Fire Assay) Cert							866																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 220 (Fire Assay) Meas							863																
OREAS 220 (Fire Assay) Cert							866																
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas								68.3	269	3550	530	13	23	> 5000	> 10000	1.58	78			0.6	< 2	1.67	27
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								72.7	273	3750	540	14	23	> 5000	> 10000	1.53	87			0.6	< 2	1.75	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								73.8	278	3760	547	14	23	> 5000	> 10000	1.64	85			0.6	< 2	1.60	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								71.9	280	3700	545	14	23	> 5000	> 10000	1.59	84			0.6	< 2	1.73	28
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas							3120																
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							3080																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3060																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							2920																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3070																
OREAS 238 (Fire Assay) Cert							3030																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS316-3 Meas																							
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																							
GS316-3 Meas																							
GS316-3 Cert																							
1231095325 Orig							63																
1231095325 Dup							79																
1228015040 Orig								0.2	< 0.5	63	436	1	13	< 2	125	1.01	9	< 10	26	< 0.5	< 2	0.95	7
1228015040 Dup								< 0.2	< 0.5	59	433	1	13	< 2	126	1.00	6	< 10	24	< 0.5	< 2	0.93	6
1230098292 Orig							37																
1230098292 Dup							40																
V842466 Orig								9.8	< 0.5	52	352	20	13	4	55	1.45	< 2	< 10	79	< 0.5	< 2	1.18	13
V842466 Dup								10.2	< 0.5	53	357	20	13	6	54	1.44	< 2	< 10	76	< 0.5	< 2	1.19	13
1231049337 Orig							80																
1231049337 Dup							78																
1231094477 Orig																							
1231094477 Dup																							
1229039001 Orig								0.3	< 0.5	49	321	13	10	5	88	1.21	18	< 10	29	< 0.5	3	1.01	7
1229039001 Dup								0.3	< 0.5	51	320	13	11	7	84	1.20	16	< 10	38	< 0.5	4	0.99	7
1229039173 Orig																							
1229039173 Dup																							
1229039095 Orig							30																
1229039095 Dup							32																
1231094410 Orig																							
1231094410 Dup																							
1231094462 Orig	22.5	8.48	-14.0	22.0	0.385																		
1231094462 Dup	22.5	8.52	-14.0	22.0	0.386																		
1231094463 Orig																							
1231094463 Dup																							
1229039077 Orig								0.9	< 0.5	120	306	< 1	11	< 2	115	1.41	13	< 10	15	< 0.5	12	0.46	1
1229039077 Dup								1.0	< 0.5	116	311	< 1	10	< 2	117	1.45	12	< 10	17	< 0.5	14	0.46	1
1231094323 Orig							32																
1231094323 Dup							34																
1231094007 Orig																							
1231094007 Dup																							
1231094204 Orig							66																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231094204 Dup							68																
1231032763 Orig																							
1231032763 Dup																							
1231031376 Orig						8.77		0.4	< 0.5	78	687	2	15	< 2	85	1.41	11	< 10	41	< 0.5	< 2	1.90	8
1231031376 Dup						8.77		0.3	< 0.5	72	669	2	12	2	90	1.33	8	< 10	37	< 0.5	< 2	1.89	8
1231031328 Orig							124																
1231031328 Dup							159																
1231033066 Orig																							
1231033066 Dup																							
1231033051 Orig							157																
1231033051 Dup							109																
1231032982 Orig								1.6	2.3	127	717	< 1	46	10	599	1.80	34	< 10	< 10	< 0.5	14	1.69	27
1231032982 Dup								1.7	2.3	127	700	< 1	45	11	601	1.77	30	< 10	< 10	< 0.5	14	1.68	27
1231031285 Orig																							
1231031285 Dup																							
1231032796 Orig							62																
1231032796 Dup							85																
1231032883 Orig	12.7	39.5	26.8	15.6	2.53																		
1231032883 Dup	12.7	39.5	26.8	15.6	2.53																		
1231032893 Orig								1.5	1.1	64	464	< 1	13	4	298	1.39	18	< 10	11	< 0.5	5	0.72	6
1231032893 Dup								1.2	1.1	62	465	1	12	9	291	1.40	18	< 10	12	< 0.5	< 2	0.71	6
1231031437 Orig							108																
1231031437 Dup							85																
1231033049 Orig								0.8	0.9	95	784	3	18	7	332	1.55	17	< 10	26	< 0.5	2	1.31	9
1231033049 Dup								0.8	0.9	94	770	4	18	7	333	1.53	16	< 10	33	< 0.5	2	1.30	9
1231031404 Orig							78																
1231031404 Dup							79																
1230050090 Orig								< 0.2	< 0.5	38	653	1	12	< 2	200	2.63	6	< 10	50	< 0.5	< 2	1.46	5
1230050090 Dup								< 0.2	< 0.5	38	657	1	15	2	201	2.59	8	< 10	49	< 0.5	< 2	1.46	5
1228016128 Orig							92																
1228016128 Dup							94																
1228016139 Orig																							
1228016139 Dup																							
1232090153 Orig																							
1232090153 Dup																							
1229041197 Orig								0.4	< 0.5	72	743	2	15	4	120	1.87	12	< 10	30	< 0.5	< 2	1.71	9
1229041197 Dup								0.5	< 0.5	74	748	2	13	7	123	2.00	14	< 10	36	< 0.5	< 2	1.74	10
1229041245 Orig							98																
1229041245 Dup							102																
1229041004 Orig	36.1	11.3	-24.8	40.1	0.283																		
1229041004 Dup	36.1	11.4	-24.7	40.1	0.285																		
1229041215 Orig						8.79																	
1229041215 Dup						8.80																	
1229041188 Orig																							
1229041188 Dup																							
1230052045 Orig							167																
1230052045 Dup							152																
1229041049 Orig								0.3	< 0.5	34	619	1	8	11	79	2.08	9	10	37	< 0.5	< 2	1.09	7
1229041049 Dup								0.2	< 0.5	32	609	1	9	11	80	2.02	11	< 10	34	< 0.5	< 2	1.08	7

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1231031023 Orig																							
1231031023 Dup																							
1231031258 Orig							105																
1231031258 Dup							88																
1228016057 Orig								0.3	< 0.5	32	343	2	16	43	142	1.94	24	< 10	37	< 0.5	< 2	1.86	11
1228016057 Dup								0.3	< 0.5	32	342	2	16	54	138	1.95	23	< 10	39	< 0.5	< 2	1.87	11
1230050131 Orig																							
1230050131 Dup																							
1230051029 Orig							414																
1230051029 Dup							424																
1229065143 Orig						8.47																	
1229065143 Dup						8.49																	
1229065088 Orig	47.0	5.88	-41.1	51.1	0.115																		
1229065088 Dup	47.0	5.23	-41.7	51.1	0.102																		
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							< 5																
Method Blank							< 5																
Method Blank							< 5																
Method Blank							< 5																
Method Blank																							
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 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
GXR-6 Meas	89	5.99	20	< 1	1.22	< 10	0.41	0.070	0.036	0.02	< 2	17	26		< 1	< 2	< 10	181	< 10	4	8		
GXR-6 Cert	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	88	5.77	20	< 1	1.21	< 10	0.41	0.070	0.036	0.01	4	18	27		< 1	< 2	< 10	182	< 10	5	7		
GXR-6 Cert	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	89	5.63	20	< 1	1.22	< 10	0.41	0.069	0.036	0.01	5	18	26		2	< 2	< 10	178	< 10	4	7		
GXR-6 Cert	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	90	5.93	20	< 1	1.24	< 10	0.42	0.072	0.036	0.01	4	18	27		< 1	< 2	< 10	183	< 10	4	5		
GXR-6 Cert	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																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							13.8
BaSO4 Cert																							14.0
BaSO4 Meas																							13.7
BaSO4 Cert																							14.0
BaSO4 Meas																							13.9
BaSO4 Cert																							14.0
BaSO4 Meas																							13.7
BaSO4 Cert																							14.0
BaSO4 Meas																							13.7
BaSO4 Cert																							14.0
BaSO4 Meas																							13.9
BaSO4 Cert																							14.0
BaSO4 Meas																							13.8
BaSO4 Cert																							14.0
BaSO4 Meas																							13.7
BaSO4 Cert																							14.0
SGR-1b Meas																						27.8	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.57
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.4	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.2	1.57
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.3	1.63
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.4	1.56
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.1	1.59
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.1	1.58
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.1	1.58
SGR-1b Cert																						28	1.53
GS311-4 Meas																						1.11	0.53
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.52
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.12	0.55
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.12	0.51

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																						1.14	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																						1.12	0.55
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.12	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.11	0.54
GS311-4 Cert																						1.11	0.54
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	50	5.36	< 10		0.53	40	1.38	0.030	0.065	0.39	2	4	16			< 2	< 10	38	< 10	22	19		
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	49	5.18	< 10		0.51	39	1.37	0.028	0.066	0.39	2	4	17			< 2	< 10	37	< 10	21	18		
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	51	5.06	< 10		0.53	40	1.39	0.028	0.064	0.40	2	4	17			< 2	< 10	38	< 10	22	10		
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	48	5.28	< 10		0.49	39	1.37	0.027	0.064	0.39	3	4	17			< 2	< 10	36	< 10	21	13		
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	46	6.09	< 10		0.46	37	1.47		0.063	0.71	3	4	15			< 2	< 10	37	< 10	20	29		
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	46	5.58	< 10		0.45	36	1.43		0.060	0.70	2	4	15			2	< 10	36	< 10	20	19		

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
(AQUA REGIA) Meas																							
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	46	6.02	< 10		0.42	36	1.43		0.062	0.70	2	4	15			< 2	< 10	36	< 10	19	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 96 (Aqua Regia) Meas										3.81	5												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.99	8												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										4.35	9												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										4.23	6												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
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OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							

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 621 (Aqua Regia) Meas	34	3.30	< 10	4	0.39	21	0.43	0.166	0.033	4.61	113	2	20			< 2	< 10	13	< 10	8	58		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	33	3.32	10	4	0.40	21	0.46	0.167	0.034	4.93	110	3	19			< 2	< 10	13	< 10	8	60		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	31	3.44	10	3	0.42	20	0.46	0.176	0.035	4.82	122	3	19			< 2	< 10	14	< 10	8	62		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	31	3.44	10	5	0.39	20	0.45	0.166	0.031	4.81	88	2	18			< 2	< 10	13	< 10	8	26		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
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OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																						0.04	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																						0.06	0.32
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	0.32

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
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	0.34
GS316-3 Cert																						0.0600	0.340
1231095325 Orig																						0.33	0.58
1231095325 Dup																						0.32	0.57
1228015040 Orig	208	2.20	< 10	< 1	0.19	15	0.76	0.055	0.042	1.35	< 2	2	23	0.04	< 1	< 2	< 10	18	< 10	3	16		
1228015040 Dup	204	2.16	< 10	< 1	0.19	15	0.74	0.053	0.041	1.29	2	2	22	0.04	< 1	< 2	< 10	18	< 10	3	15		
1230098292 Orig																						0.46	0.57
1230098292 Dup																						0.46	0.63
V842466 Orig	14	3.59	< 10	< 1	0.23	11	0.53	0.239	0.061	0.06	2	4	40	0.46	5	< 2	< 10	98	< 10	17	13		
V842466 Dup	14	3.56	< 10	< 1	0.24	11	0.55	0.247	0.063	0.06	< 2	4	40	0.46	9	< 2	< 10	99	< 10	17	12		
1231049337 Orig																							
1231049337 Dup																							
1231094477 Orig																						0.17	1.61
1231094477 Dup																						0.17	1.60
1229039001 Orig	127	2.44	< 10	< 1	0.19	20	0.83	0.055	0.045	1.35	< 2	1	30	0.01	< 1	< 2	< 10	13	< 10	3	4		
1229039001 Dup	124	2.44	< 10	< 1	0.19	19	0.80	0.051	0.045	1.34	< 2	1	29	0.01	< 1	< 2	< 10	13	< 10	3	8		
1229039173 Orig																						0.23	2.40
1229039173 Dup																						0.24	2.43
1229039095 Orig																							
1229039095 Dup																							
1231094410 Orig																							
1231094410 Dup																							
1231094462 Orig																							
1231094462 Dup																							
1231094463 Orig																						0.21	0.68
1231094463 Dup																						0.21	0.66
1229039077 Orig	156	3.41	< 10	< 1	0.21	14	1.02	0.049	0.040	2.67	< 2	< 1	18	< 0.01	< 1	< 2	< 10	8	< 10	2	12		
1229039077 Dup	158	3.63	< 10	< 1	0.22	13	1.05	0.052	0.039	2.86	2	< 1	20	< 0.01	< 1	< 2	< 10	8	< 10	2	13		
1231094323 Orig																							
1231094323 Dup																							
1231094007 Orig																						0.04	0.99
1231094007 Dup																						0.05	0.96
1231094204 Orig																							
1231094204 Dup																							
1231032763 Orig																						0.24	6.12
1231032763 Dup																						0.24	6.15
1231031376 Orig	186	2.26	< 10	< 1	0.24	18	0.80	0.107	0.049	1.10	2	2	84	0.06	< 1	< 2	< 10	25	< 10	3	2		
1231031376 Dup	183	2.15	< 10	< 1	0.23	17	0.78	0.103	0.048	1.05	< 2	2	83	0.06	< 1	< 2	< 10	24	< 10	3	2		
1231031328 Orig																							
1231031328 Dup																							
1231033066 Orig																						0.22	1.16
1231033066 Dup																						0.22	1.17
1231033051 Orig																							
1231033051 Dup																							

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
1231032982 Orig	161	7.99	< 10	< 1	0.26	< 10	1.32	0.086	0.061	7.47	3	8	44	0.07	1	< 2	< 10	104	< 10	8	11		
1231032982 Dup	163	7.99	< 10	< 1	0.26	< 10	1.33	0.085	0.060	7.63	3	8	44	0.07	4	< 2	< 10	106	< 10	8	11		
1231031285 Orig																						0.37	1.01
1231031285 Dup																						0.37	0.99
1231032796 Orig																							
1231032796 Dup																							
1231032883 Orig																							
1231032883 Dup																							
1231032893 Orig	101	3.09	< 10	< 1	0.23	13	0.72	0.098	0.040	2.80	< 2	< 1	39	< 0.01	< 1	< 2	< 10	9	< 10	2	13	0.13	2.57
1231032893 Dup	101	3.12	< 10	< 1	0.22	12	0.72	0.095	0.040	2.84	< 2	< 1	38	< 0.01	< 1	< 2	< 10	9	< 10	2	14	0.11	2.52
1231031437 Orig																						0.30	1.30
1231031437 Dup																						0.29	1.27
1231033049 Orig	180	2.75	< 10	< 1	0.28	20	1.25	0.067	0.054	1.62	< 2	2	36	0.01	1	< 2	< 10	23	< 10	4	6		
1231033049 Dup	182	2.72	< 10	< 1	0.28	20	1.25	0.069	0.055	1.66	< 2	2	37	0.01	< 1	< 2	< 10	23	< 10	4	7		
1231031404 Orig																						0.30	0.90
1231031404 Dup																						0.32	0.90
1230050090 Orig	209	2.08	< 10	< 1	0.21	19	1.03	0.164	0.041	0.64	2	1	95	0.04	< 1	< 2	< 10	14	< 10	2	2		
1230050090 Dup	212	2.07	< 10	< 1	0.21	18	1.03	0.163	0.041	0.62	3	1	95	0.04	1	< 2	< 10	14	< 10	2	2		
1228016128 Orig																							
1228016128 Dup																							
1228016139 Orig																						0.98	1.94
1228016139 Dup																						0.97	1.97
1232090153 Orig																						0.18	1.21
1232090153 Dup																						0.17	1.19
1229041197 Orig	146	2.67	< 10	< 1	0.34	14	0.96	0.108	0.043	1.39	< 2	2	89	0.05	< 1	< 2	< 10	20	< 10	2	6		
1229041197 Dup	146	2.81	< 10	< 1	0.35	14	0.99	0.114	0.042	1.43	< 2	2	94	0.05	< 1	< 2	< 10	21	< 10	2	6		
1229041245 Orig																							
1229041245 Dup																							
1229041004 Orig																							
1229041004 Dup																							
1229041215 Orig																							
1229041215 Dup																							
1229041188 Orig																						0.21	1.16
1229041188 Dup																						0.22	1.15
1230052045 Orig																							
1230052045 Dup																							
1229041049 Orig	107	2.37	< 10	< 1	0.30	19	0.80	0.089	0.045	1.29	< 2	1	61	< 0.01	< 1	< 2	< 10	12	< 10	2	5		
1229041049 Dup	107	2.38	< 10	< 1	0.28	19	0.80	0.086	0.045	1.32	< 2	1	58	< 0.01	< 1	< 2	< 10	11	< 10	2	5		
1231031023 Orig																						0.59	2.05
1231031023 Dup																						0.58	2.01
1231031258 Orig																							
1231031258 Dup																							
1228016057 Orig	248	1.33	< 10	< 1	0.20	19	0.23	0.236	0.047	1.06	< 2	< 1	241	< 0.01	< 1	< 2	< 10	9	< 10	2	2		
1228016057 Dup	252	1.35	< 10	< 1	0.20	18	0.22	0.242	0.047	1.07	< 2	< 1	241	< 0.01	< 1	< 2	< 10	9	< 10	2	2		
1230050131 Orig																						0.21	0.89
1230050131 Dup																						0.21	0.92
1230051029 Orig																							
1230051029 Dup																							
1229065143 Orig																							
1229065143 Dup																							
1229065088 Orig																						0.05	1.67

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
1229065088 Dup																						0.05	1.68
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
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Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.009	< 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	0.011	< 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	0.010	< 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	0.010	< 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	0.011	< 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	0.010	< 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	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
BaSO4 Meas	
BaSO4 Cert	
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BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
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SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	
GS311-4 Meas	
GS311-4 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	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	
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 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA)	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
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 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
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OREAS 220 (Fire Assay) Cert	
OREAS 220 (Fire Assay) Meas	
OREAS 220 (Fire Assay) Cert	
OREAS 229 (Fire	12.1

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
Assay) Meas	
OREAS 229 (Fire Assay) Cert	12.1
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
OREAS 229b (Fire Assay) Meas	12.0
OREAS 229b (Fire Assay) Cert	11.9
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	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
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	
1231095325 Orig	
1231095325 Dup	
1228015040 Orig	
1228015040 Dup	
1230098292 Orig	
1230098292 Dup	
V842466 Orig	
V842466 Dup	
1231049337 Orig	
1231049337 Dup	
1231094477 Orig	
1231094477 Dup	
1229039001 Orig	
1229039001 Dup	
1229039173 Orig	
1229039173 Dup	
1229039095 Orig	
1229039095 Dup	
1231094410 Orig	12.8
1231094410 Dup	12.6
1231094462 Orig	
1231094462 Dup	
1231094463 Orig	
1231094463 Dup	
1229039077 Orig	
1229039077 Dup	
1231094323 Orig	
1231094323 Dup	
1231094007 Orig	
1231094007 Dup	
1231094204 Orig	
1231094204 Dup	
1231032763 Orig	
1231032763 Dup	
1231031376 Orig	
1231031376 Dup	
1231031328 Orig	
1231031328 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1231033066 Orig	
1231033066 Dup	
1231033051 Orig	
1231033051 Dup	
1231032982 Orig	
1231032982 Dup	
1231031285 Orig	
1231031285 Dup	
1231032796 Orig	
1231032796 Dup	
1231032883 Orig	
1231032883 Dup	
1231032893 Orig	
1231032893 Dup	
1231031437 Orig	
1231031437 Dup	
1231033049 Orig	
1231033049 Dup	
1231031404 Orig	
1231031404 Dup	
1230050090 Orig	
1230050090 Dup	
1228016128 Orig	
1228016128 Dup	
1228016139 Orig	
1228016139 Dup	
1232090153 Orig	
1232090153 Dup	
1229041197 Orig	
1229041197 Dup	
1229041245 Orig	
1229041245 Dup	
1229041004 Orig	
1229041004 Dup	
1229041215 Orig	
1229041215 Dup	
1229041188 Orig	
1229041188 Dup	
1230052045 Orig	
1230052045 Dup	
1229041049 Orig	
1229041049 Dup	
1231031023 Orig	
1231031023 Dup	
1231031258 Orig	
1231031258 Dup	
1228016057 Orig	
1228016057 Dup	
1230050131 Orig	
1230050131 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1230051029 Orig	
1230051029 Dup	
1229065143 Orig	
1229065143 Dup	
1229065088 Orig	
1229065088 Dup	
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	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-15604**
Report Date:	**31-Dec-19**
Date Submitted:	**18-Nov-19**
Your Reference:	**2019 Sept_Oct Check assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

154 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)	2019-11-20 19:06:26
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-11-22 18:46:37

REPORT **A19-15604**

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Notes:

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

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

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
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.: **A19-15604**
Report Date: **31-Dec-19**
Date Submitted: **18-Nov-19**
Your Reference: **2019 Sept_Oct Check assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

154 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2019-12-18 22:00:53
4F-C, S	Infrared	2019-12-10 22:02:24

REPORT **A19-15604**

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Notes:

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

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

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
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

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229041110	43.0	18.3	-24.8	47.5	0.385	8.72	116	0.9	0.7	123	448	3	13	8	256	1.61	15	< 10	29	< 0.5	< 2	1.13	7
1232090006	34.7	39.1	4.46	39.8	0.983	9.02	66	0.7	1.1	31	704	2	15	4	309	1.08	9	< 10	38	< 0.5	< 2	1.64	7
1229041039	20.1	35.3	15.2	23.0	1.54	9.27	312	0.5	< 0.5	20	639	< 1	16	16	139	1.46	15	< 10	49	< 0.5	< 2	1.48	7
1232090098	23.1	29.5	6.43	26.3	1.12	9.23	72	0.3	1.1	39	669	< 1	10	5	376	0.98	15	< 10	50	< 0.5	< 2	1.39	5
1229041090	40.8	17.0	-23.8	44.7	0.381	9.00	38	0.5	< 0.5	77	596	4	18	9	147	1.39	9	< 10	23	< 0.5	< 2	1.05	8
1229041151	39.2	22.6	-16.5	43.5	0.521	9.04	43	0.6	1.1	104	504	4	12	5	404	1.21	11	< 10	23	< 0.5	< 2	1.11	8
1229041232	12.5	10.8	-1.67	12.3	0.884	9.54	14	< 0.2	< 0.5	19	501	1	13	12	86	1.55	5	< 10	83	< 0.5	< 2	0.60	6
1229065124	43.0	4.65	-38.4	47.8	0.0974	8.80	153	1.9	3.1	79	1020	< 1	11	239	972	1.88	30	< 10	21	< 0.5	< 2	0.28	8
1229041198	38.1	43.0	4.84	45.3	0.948	8.86	214	1.5	< 0.5	572	620	2	14	11	140	1.68	9	< 10	19	< 0.5	< 2	1.94	10
1229065020	52.4	22.2	-30.2	57.0	0.390	9.23	2850	0.9	0.8	25	838	< 1	12	20	306	1.83	16	< 10	19	< 0.5	< 2	1.09	9
V845107							119	1.6	< 0.5	57	332	4	13	13	62	1.45	< 2	< 10	85	< 0.5	< 2	1.24	12
1230051120	0.724	25.8	25.1	3.98	6.49	8.96	35	< 0.2	< 0.5	27	410	3	12	< 2	131	2.44	7	30	75	< 0.5	< 2	1.63	4
1228017260	47.0	12.9	-34.1	51.5	0.251	8.69	332	0.6	< 0.5	134	266	< 1	14	18	122	1.52	8	< 10	14	< 0.5	2	0.85	7
1231032899	79.1	10.1	-68.9	84.8	0.119	8.33	73	1.0	< 0.5	50	424	2	12	6	84	1.53	6	< 10	11	< 0.5	< 2	0.87	8
12310321086	86.1	10.8	-75.4	92.2	0.117	8.22	32	1.5	< 0.5	73	529	1	13	9	141	1.42	7	< 10	< 10	< 0.5	3	0.71	7
1228017003	54.4	29.7	-24.7	63.4	0.468	9.06	44	0.6	3.5	175	366	3	16	14	958	1.10	5	< 10	18	< 0.5	< 2	1.24	8
1230051118	31.0	19.1	-12.0	34.3	0.556	8.86	252	0.3	< 0.5	36	287	2	12	2	99	1.58	16	< 10	30	< 0.5	< 2	1.01	9
1230051063	50.2	15.9	-34.3	54.8	0.290	8.65	142	0.2	< 0.5	32	375	2	17	7	118	2.31	15	14	22	< 0.5	< 2	1.23	10
1228017313	45.1	8.39	-36.7	49.0	0.171	8.76	431	0.5	< 0.5	47	306	2	12	4	50	2.07	10	< 10	26	< 0.5	3	0.76	6
1229065181	49.8	2.95	-46.8	53.3	0.0553	8.75	183	1.3	0.8	35	494	< 1	12	55	330	1.89	59	< 10	23	< 0.5	< 2	0.33	8
1229065213	39.2	5.74	-33.4	42.0	0.137	8.75	267	1.3	1.2	33	511	< 1	9	53	375	1.57	74	< 10	24	< 0.5	< 2	0.34	7
1230051010	24.0	18.9	-5.03	26.6	0.710	9.02	28	< 0.2	< 0.5	7	279	< 1	14	7	78	1.89	5	< 10	49	< 0.5	< 2	1.38	5
1229065241	58.4	9.73	-48.7	64.9	0.150	8.58	228	2.8	0.8	36	756	2	12	43	301	1.26	55	< 10	12	< 0.5	< 2	1.08	8
1230051072	52.9	14.5	-38.4	59.7	0.243	8.60	937	2.0	< 0.5	969	220	1	12	5	38	1.57	13	< 10	23	< 0.5	11	0.90	12
1230051090	47.7	8.22	-39.5	52.4	0.157	8.64	210	0.5	< 0.5	24	298	2	14	3	91	1.86	12	15	29	< 0.5	< 2	0.73	9
1230051039	19.2	13.9	-5.22	22.0	0.632	9.06	147	< 0.2	< 0.5	25	315	1	12	4	80	1.85	4	< 10	55	< 0.5	< 2	1.12	4
V85108							1620	10.1	< 0.5	49	326	19	14	9	52	1.52	< 2	< 10	88	< 0.5	< 2	1.26	12
1230050149	35.5	9.74	-25.8	41.0	0.237	8.53	74	0.8	4.8	66	745	1	16	9	1390	1.74	30	< 10	18	< 0.5	< 2	0.71	8
1228016076	65.3	59.5	-5.76	72.3	0.824	8.76	134	1.5	< 0.5	38	775	1	14	37	178	1.25	27	< 10	19	< 0.5	< 2	2.55	8
1230050166	33.4	4.99	-28.4	32.8	0.152	9.04	107	0.3	< 0.5	128	195	5	28	< 2	37	1.40	6	< 10	29	< 0.5	2	0.55	7
1228016058	50.5	5.71	-44.8	53.6	0.106	8.45	215	1.0	< 0.5	54	246	3	14	76	195	1.67	33	< 10	28	< 0.5	< 2	0.94	8
1228016062	76.9	28.3	-48.5	83.3	0.340	8.47	94	1.4	< 0.5	33	589	< 1	15	73	154	2.42	25	< 10	18	< 0.5	< 2	2.18	9
1230050134	24.4	16.6	-7.80	23.9	0.694	8.76	38	0.2	< 0.5	29	636	< 1	11	4	226	3.20	11	< 10	53	< 0.5	< 2	1.90	6
1229065109	50.5	45.0	-5.55	55.1	0.816	8.92	113	1.0	< 0.5	20	1050	< 1	12	25	134	1.57	24	< 10	26	< 0.5	< 2	2.02	7
1230050221	37.9	11.1	-26.8	40.4	0.274	8.56	112	0.3	< 0.5	101	297	2	13	< 2	37	2.48	9	13	35	< 0.5	2	1.18	7
1229065191	70.9	4.95	-66.0	75.3	0.0657	7.58	934	1.5	1.0	31	945	< 1	13	34	328	0.88	37	< 10	14	< 0.5	< 2	0.33	9
V845109							1150	4.1	< 0.5	22	132	6	6	2	24	0.61	< 2	< 10	26	< 0.5	< 2	0.63	4
1228017450	32.3	36.0	3.72	35.8	1.00	9.11	59	0.2	< 0.5	46	358	< 1	9	6	57	1.24	4	< 10	17	< 0.5	3	1.58	3
1228017139	46.1	26.4	-19.7	51.8	0.510	9.02	960	0.6	2.3	139	487	3	15	< 2	653	1.08	8	< 10	25	< 0.5	< 2	1.14	7
12310321012	57.7	5.61	-52.1	62.2	0.0903	8.52	47	1.2	< 0.5	49	631	< 1	13	10	125	1.87	13	< 10	14	< 0.5	5	0.60	8
1228017236	40.4	29.7	-10.7	45.0	0.659	8.97	413	0.3	< 0.5	52	415	2	16	3	61	1.63	9	< 10	25	< 0.5	< 2	1.30	7
1228017531	67.1	7.00	-60.1	72.3	0.0969	8.74	310	1.2	0.7	239	274	< 1	16	3	294	1.58	15	< 10	16	< 0.5	8	0.61	5
1228017451	30.8	36.7	5.90	34.9	1.05	9.12	962	0.6	< 0.5	120	405	< 1	8	17	93	1.22	< 2	< 10	26	< 0.5	3	1.83	3
V845110							944	2.5	< 0.5	56	380	10	16	5	55	1.58	< 2	< 10	93	< 0.5	< 2	1.41	15
1228017307	86.1	4.22	-81.9	91.6	0.0461	8.28	131	0.6	< 0.5	116	314	2	13	7	59	1.67	15	< 10	12	< 0.5	4	0.28	11
1230050017	24.7	10.5	-14.1	24.2	0.436	8.85	29	< 0.2	< 0.5	17	588	1	15	2	107	2.86	6	< 10	60	< 0.5	< 2	1.56	5
1230050006	35.5	11.3	-24.2	38.9	0.290	8.81	44	0.3	1.2	29	649	< 1	16	10	424	2.67	12	< 10	40	< 0.5	< 2	1.83	8
1228017363	53.7	12.6	-41.1	58.8	0.215	8.68	197	1.0	< 0.5	295	333	3	13	4	49	2.52	15	< 10	31	< 0.5	4	0.90	7
1230050030	49.3	9.01	-40.2	53.3	0.169	8.79	45	0.4	< 0.5	11	569	< 1	9	7	104	2.15	77	< 10	29	< 0.5	< 2	1.22	4

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228017342	60.4	5.25	-55.2	65.2	0.0805	8.70	134	0.6	< 0.5	95	362	1	11	3	68	2.03	29	< 10	21	< 0.5	3	0.38	10
1228017352	73.8	17.4	-56.4	81.5	0.214	8.62	224	0.5	2.5	117	415	1	13	18	696	1.81	11	< 10	16	< 0.5	3	0.82	9
1231032862	119	12.7	-106	141	0.0902	8.14	333	4.8	3.5	237	1400	< 1	60	99	1010	3.60	72	< 10	< 10	< 0.5	5	0.74	34
1228017424	123	4.61	-118	130	0.0355	8.17	413	1.6	< 0.5	366	148	1	11	6	44	1.36	8	< 10	< 10	< 0.5	24	0.25	2
1228017418	3.75	6.87	3.12	3.67	1.87	9.30	6	< 0.2	< 0.5	137	466	< 1	49	< 2	51	4.61	< 2	< 10	19	< 0.5	< 2	3.53	22
1228017294	4.38	7.10	2.73	4.29	1.66	9.39	< 5	< 0.2	< 0.5	115	435	< 1	49	< 2	54	4.76	< 2	< 10	22	< 0.5	< 2	3.56	22
V845111							264	3.0	< 0.5	57	423	< 1	17	5	67	1.55	< 2	< 10	106	< 0.5	< 2	1.60	15
1228017434	24.6	39.2	14.6	28.5	1.38	9.18	83	0.3	< 0.5	74	400	2	9	5	61	1.19	5	< 10	29	< 0.5	< 2	1.69	4
1228017331	56.2	7.10	-49.1	60.9	0.117	8.78	973	1.0	< 0.5	135	299	2	10	24	63	2.00	11	< 10	16	< 0.5	5	0.66	7
1228017221	46.8	22.2	-24.5	51.8	0.430	9.04	492	0.3	< 0.5	62	287	1	13	4	57	1.44	10	< 10	14	< 0.5	2	1.02	7
1229041067	51.6	13.1	-38.4	56.0	0.234	8.46	160	1.2	1.3	61	490	2	14	22	373	1.57	41	14	19	< 0.5	< 2	0.96	7
1228017013	32.9	12.6	-20.3	36.4	0.345	9.09	165	0.2	< 0.5	20	248	< 1	9	5	53	1.55	12	< 10	19	< 0.5	< 2	0.80	6
1230052018	116	11.1	-105	136	0.0816	8.30	2690	3.8	0.5	958	794	1	36	5	222	2.42	58	< 10	< 10	< 0.5	5	0.58	22
1230052126	54.4	17.8	-36.6	60.6	0.294	8.74	82	0.6	1.3	35	399	< 1	11	9	368	1.87	14	< 10	15	< 0.5	3	1.01	7
1230052059	35.7	15.7	-20.1	39.5	0.396	9.02	920	0.4	< 0.5	93	494	< 1	13	9	90	1.67	13	< 10	31	< 0.5	< 2	0.76	8
1230052107	55.5	32.5	-23.0	62.2	0.523	8.77	123	0.6	1.5	20	728	< 1	15	12	503	2.13	24	< 10	20	< 0.5	< 2	1.83	11
1228017379	34.0	29.0	-4.91	37.7	0.771	8.83	79	0.4	< 0.5	88	359	2	17	25	75	1.78	11	< 10	27	< 0.5	< 2	1.65	7
1230053059	44.4	10.8	-33.6	47.2	0.229	8.28	100	1.1	< 0.5	37	572	< 1	16	21	131	1.47	28	< 10	26	< 0.5	< 2	0.68	8
1230052080	44.6	14.9	-29.7	48.1	0.310	8.83	398	1.6	< 0.5	39	297	< 1	15	5	92	1.93	24	< 10	29	< 0.5	2	0.62	8
1230052131	44.9	32.3	-12.6	50.2	0.643	8.76	108	0.6	1.1	30	675	< 1	20	28	385	1.94	29	< 10	22	< 0.5	< 2	1.40	11
1228017500	51.9	16.2	-35.6	56.0	0.289	8.68	30	0.3	< 0.5	57	221	< 1	11	< 2	72	1.33	6	< 10	24	< 0.5	3	0.77	3
1230052148	60.3	21.1	-39.2	68.0	0.310	8.79	135	1.1	2.8	34	713	1	26	7	805	2.10	28	< 10	15	< 0.5	< 2	1.16	18
1230052168	53.3	11.6	-41.7	60.0	0.193	8.85	65	0.5	1.8	17	448	< 1	8	19	494	1.82	15	< 10	16	< 0.5	< 2	0.88	8
1230052256	30.1	7.60	-22.5	34.9	0.218	8.98	66	0.6	2.5	21	650	< 1	15	13	721	2.06	19	< 10	39	< 0.5	< 2	0.60	7
1230053086	56.5	39.4	-17.1	67.4	0.585	8.86	157	8.3	< 0.5	39	1110	< 1	17	46	137	1.70	50	< 10	20	< 0.5	< 2	1.93	9
1230053179	24.5	22.9	-1.55	30.3	0.756	8.76	87	0.6	< 0.5	41	569	2	22	14	223	2.37	14	16	46	< 0.5	< 2	1.64	9
1230052270	71.0	16.4	-54.6	83.3	0.197	8.48	104	1.7	6.7	113	981	< 1	42	7	1550	2.72	36	< 10	16	< 0.5	< 2	1.13	27
1230053001	35.1	35.2	0.141	42.9	0.822	8.76	65	1.1	< 0.5	33	690	< 1	22	7	104	1.67	34	< 10	37	< 0.5	< 2	1.98	10
V845112							1610	9.6	< 0.5	48	311	19	14	7	51	1.45	< 2	< 10	89	< 0.5	< 2	1.20	12
1230053087	47.4	61.2	13.8	55.1	1.11	8.79	90	2.5	< 0.5	21	1160	1	16	17	309	1.30	49	< 10	26	< 0.5	< 2	2.69	8
1230052190	38.4	12.1	-26.3	42.9	0.282	8.93	190	1.1	0.8	16	643	< 1	15	5	311	2.11	21	< 10	31	< 0.5	< 2	0.73	9
1230053148	49.8	25.7	-24.1	54.5	0.471	8.90	74	1.2	< 0.5	65	865	1	14	22	119	1.43	42	< 10	32	< 0.5	< 2	1.12	8
1230053164	41.6	15.6	-25.9	45.0	0.347	8.87	69	0.5	< 0.5	24	464	< 1	14	10	49	3.25	24	< 10	42	< 0.5	< 2	2.22	7
1230053165	49.0	17.8	-31.1	52.1	0.342	8.80	120	0.6	< 0.5	22	434	< 1	16	10	62	2.54	22	< 10	30	< 0.5	< 2	1.92	7
1230053004	28.3	24.5	-3.84	31.5	0.776	9.05	72	0.9	< 0.5	32	762	1	19	18	124	1.89	42	< 10	48	< 0.5	< 2	1.59	8
1230053062	19.7	17.9	-1.80	19.3	0.927	8.96	32	0.5	< 0.5	28	559	< 1	16	16	171	3.05	13	< 10	68	< 0.5	< 2	2.15	7
1229042030	27.6	34.1	6.53	30.3	1.13	8.90	93	0.5	< 0.5	40	345	3	11	2	80	1.83	11	< 10	48	< 0.5	< 2	1.47	8
1229042002	21.9	11.9	-9.93	21.4	0.557	8.95	79	0.2	< 0.5	36	441	1	9	< 2	97	2.35	< 2	< 10	64	< 0.5	< 2	0.58	4
1230053134	28.1	26.2	-1.94	32.8	0.799	9.26	36	0.5	< 0.5	26	377	1	14	7	88	1.40	33	< 10	48	< 0.5	< 2	1.18	8
1228018084	38.6	9.57	-29.1	42.6	0.225	8.83	227	0.4	< 0.5	122	389	< 1	10	4	168	2.71	11	< 10	43	< 0.5	< 2	1.10	5
1228018206	11.0	42.6	31.6	15.0	2.84	9.45	30	< 0.2	< 0.5	18	459	< 1	9	11	81	1.12	3	< 10	136	< 0.5	< 2	1.87	5
1230053195	17.2	27.9	10.7	20.8	1.34	9.17	17	0.5	< 0.5	36	599	< 1	13	14	130	1.92	13	< 10	59	< 0.5	< 2	1.67	7
1230052215	33.4	26.6	-6.84	39.5	0.673	8.95	296	1.2	< 0.5	28	683	< 1	24	8	185	2.44	26	< 10	43	< 0.5	< 2	1.27	20
1229042035	29.3	23.7	-5.61	33.1	0.715	8.70	68	0.3	< 0.5	52	288	2	13	< 2	61	1.90	6	12	48	< 0.5	< 2	1.17	7
1229042073	27.2	18.3	-8.89	30.6	0.597	8.72	123	0.3	< 0.5	121	245	1	13	2	26	2.28	8	14	53	0.7	< 2	1.04	7
V845113							126	1.7	< 0.5	56	329	4	13	9	61	1.56	< 2	< 10	92	< 0.5	< 2	1.28	12
1228019303	54.5	43.6	-10.9	63.4	0.687	9.05	241	2.5	0.6	44	962	< 1	13	32	202	1.56	26	< 10	25	< 0.5	< 2	1.86	7
1228019265	42.0	66.2	24.3	49.3	1.34	9.22	47	0.6	0.6	32	1030	< 1	16	32	216	1.58	21	< 10	35	< 0.5	< 2	2.65	7
1228019195	47.6	48.3	0.743	54.8	0.882	9.07	138	1.1	< 0.5	23	903	< 1	10	41	156	1.84	34	< 10	28	< 0.5	< 2	2.01	6

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230055158	51.1	45.0	-6.14	59.1	0.761	8.90	616	1.5	0.5	295	623	2	11	7	105	1.81	10	< 10	22	< 0.5	4	2.22	7
1228019390	80.9	22.7	-58.3	94.3	0.240	8.73	194	2.3	13.1	157	732	< 1	12	12	3210	1.76	39	< 10	12	< 0.5	5	0.81	7
1228019189	52.9	41.5	-11.4	57.6	0.721	8.79	131	1.2	< 0.5	22	949	< 1	13	25	179	1.72	35	< 10	26	< 0.5	< 2	1.57	6
1229043072	61.4	11.7	-49.7	66.8	0.175	58.6	1790	2.8	< 0.5	516	209	< 1	6	13	29	1.37	13	< 10	17	< 0.5	9	0.55	4
1228019381	44.6	15.2	-29.3	49.9	0.305	8.93	503	9.2	1.5	79	526	< 1	10	51	373	2.05	11	< 10	26	< 0.5	8	0.80	7
1228019720	28.2	55.6	27.4	34.3	1.62	9.12	186	0.5	0.8	34	1040	< 1	10	31	263	1.90	36	< 10	51	< 0.5	< 2	1.80	6
1228019260	61.5	50.1	-11.5	70.1	0.714	9.02	643	3.1	1.7	29	1170	< 1	9	137	520	1.35	38	< 10	26	< 0.5	< 2	2.01	7
1230054079	19.5	17.4	-2.03	23.0	0.760	9.37	57	< 0.2	< 0.5	13	647	< 1	12	14	75	2.17	11	< 10	70	< 0.5	< 2	1.13	8
1230054172	85.6	48.7	-36.9	99.8	0.488	8.95	768	1.7	2.6	132	830	< 1	37	33	765	1.97	49	< 10	16	< 0.5	< 2	1.76	26
1230052175	19.3	21.8	2.50	24.5	0.888	8.89	74	0.9	1.9	33	685	1	16	5	517	1.95	15	< 10	58	< 0.5	< 2	1.14	9
1230054138	17.2	26.2	9.03	22.4	1.17	9.35	109	0.6	0.8	18	451	1	15	< 2	256	1.63	10	< 10	74	< 0.5	< 2	1.35	8
1228019326	43.2	51.6	8.43	50.8	1.02	9.02	2010	1.1	< 0.5	18	778	< 1	10	50	152	1.53	44	< 10	31	< 0.5	< 2	1.98	6
1228019399	31.4	26.5	-4.90	36.4	0.728	9.02	112	0.4	< 0.5	43	1040	1	13	26	156	2.03	18	< 10	41	< 0.5	< 2	1.27	7
1230054073	19.2	18.1	-1.06	23.0	0.788	9.54	87	0.3	1.7	20	594	< 1	11	4	404	2.71	13	< 10	79	< 0.5	< 2	1.46	7
1230052299	32.3	34.9	2.62	38.0	0.919	9.09	92	1.0	3.2	43	567	< 1	24	13	963	1.69	24	< 10	43	< 0.5	< 2	1.44	15
1228019374	51.2	49.1	-2.16	57.6	0.853	9.23	217	1.8	0.8	42	1050	< 1	9	71	248	1.51	43	< 10	27	< 0.5	< 2	2.00	7
1230055219	32.3	33.3	1.02	37.7	0.884	9.03	139	1.5	2.5	40	715	< 1	15	11	719	2.52	14	< 10	45	< 0.5	2	1.59	7
1229043048	56.7	6.45	-50.2	61.6	0.105	8.62	423	0.7	< 0.5	306	200	< 1	7	< 2	30	2.20	6	< 10	15	< 0.5	11	0.85	4
1230055022	32.8	17.2	-15.6	38.0	0.453	8.94	70	0.7	1.0	106	395	1	9	12	323	3.01	10	< 10	37	< 0.5	< 2	1.56	6
1230054207	32.5	26.8	-5.65	39.5	0.679	9.25	207	0.7	< 0.5	58	677	< 1	18	11	195	1.87	8	< 10	25	< 0.5	< 2	1.35	9
V845114							802	3.0	< 0.5	31	240	17	11	15	41	1.17	2	< 10	68	< 0.5	< 2	2.00	8
1228019041	53.7	35.4	-18.4	61.3	0.578	9.07	333	0.6	< 0.5	43	726	1	11	10	188	2.22	15	< 10	28	< 0.5	< 2	1.97	8
1231033594	210	65.4	-145	258	0.254	8.20	188	2.5	1.5	134	1120	< 1	57	3	398	2.62	47	< 10	11	< 0.5	8	2.08	29
1228018163	1.88	87.1	85.2	1.84	47.4	9.54	< 5	< 0.2	< 0.5	14	755	< 1	73	3	76	2.62	3	< 10	805	< 0.5	< 2	3.62	24
1231033558	37.7	36.0	-1.72	44.4	0.810	8.74	66	0.8	< 0.5	51	615	< 1	77	3	159	2.17	4	< 10	36	< 0.5	< 2	1.63	14
1228018294	20.8	15.8	-5.01	25.4	0.622	9.09	273	0.6	< 0.5	202	499	< 1	10	7	83	2.17	5	< 10	56	< 0.5	< 2	1.08	4
1228018271	25.4	24.0	-1.44	29.7	0.807	9.27	215	0.4	< 0.5	76	532	2	26	10	67	1.67	7	< 10	32	< 0.5	< 2	1.40	7
1228019170	53.3	28.6	-24.7	61.3	0.467	9.09	210	1.1	2.3	61	671	1	12	12	573	2.02	20	< 10	24	< 0.5	< 2	1.47	8
1228018160	24.7	62.2	37.5	29.4	2.11	9.06	75	0.4	< 0.5	20	590	1	37	6	58	2.08	13	13	37	< 0.5	< 2	2.70	15
1228018102	49.6	50.8	1.18	55.7	0.911	8.86	97	0.5	< 0.5	13	348	< 1	18	26	56	1.35	23	< 10	36	< 0.5	< 2	2.15	7
1228019036	39.6	80.5	41.0	47.8	1.69	9.17	198	1.2	< 0.5	36	958	< 1	20	60	183	2.16	38	< 10	41	< 0.5	< 2	3.41	10
1228019310	69.9	15.3	-54.6	77.8	0.197	9.03	29	0.7	0.7	41	415	2	13	5	200	1.68	13	< 10	14	< 0.5	< 2	0.84	8
1228019084	48.3	45.3	-2.97	55.7	0.814	9.11	180	1.6	< 0.5	29	883	< 1	12	30	126	1.91	25	< 10	23	< 0.5	< 2	2.07	8
1228019202	47.9	41.3	-6.61	56.3	0.733	9.02	187	1.2	1.2	49	893	< 1	11	14	339	2.02	19	< 10	26	< 0.5	< 2	1.89	8
1228019347	64.9	14.7	-50.1	71.1	0.208	8.89	39	0.7	0.8	48	530	1	17	13	248	1.66	8	< 10	17	< 0.5	< 2	0.85	8
1228019739	38.5	43.2	4.72	45.3	0.954	9.04	42	0.3	< 0.5	18	920	< 1	8	13	72	1.80	28	< 10	37	< 0.5	< 2	2.67	6
1228019110	47.3	57.3	10.0	56.3	1.02	9.14	133	3.2	0.5	72	951	1	14	51	185	1.70	38	< 10	28	< 0.5	< 2	2.29	8
V845115							686	2.9	< 0.5	33	242	15	13	15	42	1.15	2	< 10	66	< 0.5	< 2	2.00	10
1229042044	23.8	23.1	-0.742	27.9	0.829	8.91	71	0.4	< 0.5	35	257	1	12	5	44	2.70	6	20	50	< 0.5	3	1.39	7
1228018120	36.2	16.6	-19.6	41.3	0.402	8.83	159	0.4	< 0.5	116	471	< 1	13	5	131	2.72	15	< 10	32	< 0.5	< 2	1.12	7
1228018026	47.3	10.1	-37.2	53.9	0.187	9.06	185	2.0	1.9	55	498	1	12	5	677	2.56	15	< 10	16	< 0.5	< 2	0.80	8
1229042001	25.2	13.4	-11.8	28.2	0.475	8.82	73	0.5	< 0.5	82	379	1	9	3	85	2.20	5	11	42	< 0.5	4	0.76	5
1228018220	26.0	24.2	-1.81	29.7	0.816	9.19	74	< 0.2	< 0.5	42	409	1	9	14	142	1.77	5	< 10	28	< 0.5	< 2	1.31	7
1228018008	33.0	8.70	-24.3	38.0	0.229	8.75	718	0.7	< 0.5	204	276	< 1	11	7	58	3.03	5	< 10	42	< 0.5	3	1.30	5
1228018035	33.7	8.70	-25.0	38.0	0.229	8.68	236	0.4	< 0.5	149	285	1	9	11	41	3.18	3	< 10	39	< 0.5	2	1.36	4
1228018113	60.7	8.86	-51.9	67.4	0.132	8.82	58	0.6	4.2	40	779	< 1	16	7	1150	2.20	33	< 10	20	< 0.5	3	0.41	9
1228018263	51.7	21.9	-29.7	57.3	0.383	8.78	230	0.9	< 0.5	28	331	< 1	16	5	169	1.92	23	13	19	< 0.5	3	1.33	8
1228019115	70.5	23.5	-47.0	81.5	0.288	8.70	380	3.4	8.6	241	618	1	11	10	2030	1.82	22	< 10	15	< 0.5	< 2	1.16	8
1231033528	34.5	37.6	3.16	39.5	0.953	9.06	51	0.7	< 0.5	108	462	1	12	3	144	1.41	6	< 10	19	< 0.5	< 2	1.15	9

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228018013	53.9	8.33	-45.6	59.1	0.141	8.50	570	0.4	< 0.5	118	215	1	14	6	51	3.19	9	< 10	26	< 0.5	3	1.37	6
1231033550	116	17.7	-98.2	126	0.140	8.34	70	1.3	< 0.5	35	509	< 1	61	2	154	1.33	7	< 10	11	< 0.5	6	0.92	32
1228018214	43.0	8.11	-34.9	47.5	0.171	8.93	53	0.3	< 0.5	58	294	< 1	12	6	59	1.86	12	< 10	24	< 0.5	< 2	0.67	6
1228018044	62.0	8.42	-53.5	67.7	0.124	8.54	250	0.8	< 0.5	157	305	< 1	12	7	74	1.84	16	< 10	18	< 0.5	< 2	0.54	6
1228018107	52.4	17.4	-35.0	57.9	0.301	8.70	91	0.4	< 0.5	21	298	< 1	12	5	33	1.91	20	< 10	19	< 0.5	2	1.20	6
1228019171	75.6	24.4	-51.3	83.3	0.292	8.95	96	1.0	1.0	74	565	2	15	8	297	1.86	8	< 10	18	< 0.5	2	1.44	9
V845116							1610	9.9	< 0.5	48	323	21	14	4	52	1.48	< 2	< 10	89	< 0.5	< 2	1.25	12

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
1229041110	203	2.74	< 10	< 1	0.22	13	0.82	0.111	0.039	1.75	< 2	1	55	< 0.01	< 1	< 2	< 10	14	< 10	2	16	0.23	1.55
1232090006	298	2.38	< 10	< 1	0.32	16	0.76	0.055	0.048	1.44	< 2	1	30	0.02	< 1	< 2	< 10	17	< 10	3	12	0.48	1.30
1229041039	253	2.29	< 10	< 1	0.23	13	1.32	0.044	0.039	0.81	< 2	1	33	< 0.01	< 1	< 2	< 10	17	< 10	2	8	0.41	0.75
1232090098	194	1.76	< 10	< 1	0.27	18	0.60	0.050	0.045	0.94	< 2	< 1	28	0.03	< 1	< 2	< 10	12	< 10	2	7	0.34	0.86
1229041090	283	2.58	< 10	< 1	0.28	16	1.07	0.058	0.048	1.53	< 2	2	31	0.03	< 1	< 2	< 10	26	< 10	2	10	0.20	1.46
1229041151	235	2.43	< 10	< 1	0.23	14	0.83	0.065	0.040	1.55	< 2	1	28	< 0.01	< 1	< 2	< 10	17	< 10	3	11	0.31	1.42
1229041232	231	1.97	< 10	< 1	0.45	14	1.16	0.071	0.037	0.42	< 2	2	36	0.05	< 1	< 2	< 10	21	< 10	2	11	0.14	0.40
1229065124	91	2.47	< 10	< 1	0.19	17	1.43	0.052	0.049	1.64	< 2	< 1	20	< 0.01	< 1	< 2	< 10	9	< 10	2	9	0.05	1.56
1229041198	141	3.30	< 10	< 1	0.38	11	1.03	0.052	0.041	1.57	< 2	2	37	0.05	1	< 2	< 10	29	< 10	3	11	0.50	1.48
1229065020	118	2.56	< 10	< 1	0.23	25	1.25	0.099	0.056	1.99	< 2	< 1	40	< 0.01	< 1	< 2	< 10	12	< 10	3	3	0.23	1.86
V845107	13	3.30	< 10	< 1	0.23	11	0.54	0.245	0.056	0.06	2	4	42	0.46	4	< 2	< 10	97	< 10	16	12	< 0.01	0.06
1230051120	128	1.43	< 10	< 1	0.36	15	1.47	0.056	0.039	0.14	< 2	1	57	0.02	< 1	< 2	< 10	18	< 10	2	5	0.29	0.13
1228017260	209	2.61	< 10	< 1	0.22	20	0.96	0.100	0.044	1.81	< 2	1	43	< 0.01	< 1	< 2	< 10	16	< 10	3	6	0.22	1.68
1231032899	156	2.94	< 10	< 1	0.36	12	0.67	0.143	0.041	3.00	< 2	1	50	0.02	< 1	< 2	< 10	14	< 10	2	20	0.14	2.77
12310321086	120	3.19	< 10	< 1	0.28	13	0.87	0.084	0.043	3.07	3	< 1	30	< 0.01	< 1	< 2	< 10	10	< 10	2	19	0.22	3.01
1228017003	286	2.64	< 10	< 1	0.17	13	0.89	0.093	0.039	2.27	2	1	39	< 0.01	< 1	< 2	< 10	15	< 10	3	15	0.37	2.07
1230051118	156	2.44	< 10	< 1	0.42	15	1.04	0.026	0.041	1.23	< 2	1	25	< 0.01	< 1	< 2	< 10	14	< 10	2	8	0.26	1.12
1230051063	136	2.79	< 10	< 1	0.27	16	0.94	0.123	0.041	1.89	< 2	1	74	< 0.01	< 1	< 2	< 10	16	< 10	2	10	0.18	1.79
1228017313	211	3.24	< 10	< 1	0.25	19	1.19	0.149	0.044	1.61	3	1	61	< 0.01	< 1	< 2	< 10	14	< 10	2	9	0.13	1.60
1229065181	64	2.37	< 10	< 1	0.26	14	1.02	0.073	0.051	1.91	< 2	< 1	29	< 0.01	< 1	< 2	< 10	10	< 10	1	11	0.02	1.74
1229065213	61	1.99	< 10	< 1	0.28	16	0.87	0.074	0.033	1.49	< 2	< 1	34	< 0.01	< 1	< 2	< 10	8	< 10	1	9	0.08	1.37
1230051010	288	1.87	< 10	< 1	0.22	15	0.83	0.169	0.038	0.89	< 2	1	100	0.02	< 1	< 2	< 10	16	< 10	2	8	0.23	0.87
1229065241	69	2.23	< 10	< 1	0.33	16	0.66	0.086	0.049	2.29	< 2	< 1	42	< 0.01	1	< 2	< 10	7	< 10	2	9	0.45	2.12
1230051072	197	2.66	< 10	< 1	0.26	14	0.68	0.127	0.038	2.07	< 2	< 1	61	< 0.01	8	< 2	< 10	11	16	2	10	0.16	1.95
1230051090	93	2.87	< 10	< 1	0.41	15	1.34	0.027	0.045	1.77	< 2	1	30	0.03	< 1	< 2	< 10	17	< 10	2	13	0.08	1.71
1230051039	217	2.03	< 10	< 1	0.27	15	0.76	0.162	0.038	0.75	< 2	1	95	0.04	< 1	< 2	< 10	16	< 10	2	8	0.15	0.72
V85108	14	3.49	< 10	< 1	0.24	11	0.54	0.251	0.057	0.06	< 2	4	41	0.49	4	< 2	< 10	98	< 10	16	13	0.01	0.06
1230050149	152	2.69	< 10	< 1	0.31	26	0.96	0.044	0.063	1.41	< 2	2	35	0.02	1	< 2	< 10	19	< 10	3	6	0.16	1.34
1228016076	119	2.45	< 10	< 1	0.27	20	0.93	0.066	0.056	2.56	< 2	< 1	46	< 0.01	< 1	< 2	< 10	8	< 10	4	4	0.77	2.36
1230050166	248	2.04	< 10	< 1	0.15	18	0.83	0.092	0.040	1.20	< 2	< 1	39	< 0.01	2	3	< 10	12	< 10	3	7	0.08	1.07
1228016058	277	2.07	< 10	< 1	0.22	17	0.26	0.166	0.042	1.90	< 2	< 1	151	< 0.01	< 1	3	< 10	9	< 10	2	14	0.17	1.75
1228016062	145	2.70	< 10	< 1	0.24	20	1.12	0.146	0.056	2.79	3	1	80	0.02	< 1	< 2	< 10	12	< 10	3	8	0.39	2.72
1230050134	123	2.36	< 10	< 1	0.24	21	1.15	0.175	0.049	0.85	3	1	152	0.05	< 1	3	< 10	16	< 10	2	2	0.18	0.78
1229065109	156	2.13	< 10	< 1	0.24	19	1.15	0.118	0.044	1.96	< 2	< 1	42	< 0.01	2	< 2	< 10	9	< 10	3	7	0.57	1.80
1230050221	146	2.61	< 10	< 1	0.21	15	0.88	0.137	0.039	1.39	< 2	1	111	< 0.01	5	< 2	< 10	12	< 10	1	11	0.15	1.32
1229065191	127	2.46	< 10	< 1	0.16	18	0.65	0.043	0.059	2.67	< 2	< 1	17	< 0.01	< 1	< 2	< 10	5	< 10	2	7	0.11	2.46
V845109	9	1.43	< 10	< 1	0.07	< 10	0.12	0.149	0.028	0.02	< 2	1	22	0.26	7	< 2	< 10	35	< 10	8	12	0.05	0.02
1228017450	152	2.26	< 10	< 1	0.28	35	0.78	0.042	0.056	1.27	< 2	< 1	78	< 0.01	3	< 2	< 10	7	< 10	3	2	0.50	1.17
1228017139	322	2.36	< 10	< 1	0.15	13	0.84	0.077	0.038	1.77	< 2	2	28	< 0.01	< 1	< 2	< 10	17	< 10	3	15	0.31	1.69
12310321012	172	2.67	< 10	< 1	0.29	15	1.16	0.134	0.043	2.18	< 2	< 1	47	< 0.01	< 1	< 2	< 10	13	< 10	2	13	0.07	2.03
1228017236	297	2.54	< 10	< 1	0.27	16	1.35	0.090	0.041	1.54	< 2	2	63	< 0.01	< 1	< 2	< 10	19	< 10	3	8	0.39	1.47
1228017531	193	3.36	< 10	< 1	0.33	13	0.90	0.058	0.035	2.39	< 2	2	39	0.02	< 1	< 2	< 10	22	< 10	3	15	0.08	2.36
1228017451	155	2.10	< 10	< 1	0.35	40	0.69	0.051	0.059	1.24	< 2	< 1	100	< 0.01	1	< 2	< 10	7	< 10	4	2	0.58	1.14
V845110	13	3.88	< 10	< 1	0.31	12	0.71	0.191	0.068	0.07	< 2	6	36	0.47	4	< 2	< 10	124	< 10	17	13	0.03	0.07
1228017307	184	3.76	< 10	< 1	0.25	13	1.35	0.053	0.037	3.09	< 2	< 1	23	< 0.01	< 1	< 2	< 10	9	< 10	2	25	0.08	2.99
1230050017	182	2.25	< 10	< 1	0.25	21	0.96	0.179	0.048	0.83	< 2	1	106	0.05	< 1	< 2	< 10	15	< 10	2	3	0.11	0.79
1230050006	198	2.62	< 10	< 1	0.28	20	1.26	0.164	0.052	1.27	< 2	2	85	0.06	< 1	2	< 10	24	< 10	3	5	0.17	1.27
1228017363	143	3.09	< 10	< 1	0.24	16	1.76	0.132	0.041	1.95	3	1	67	< 0.01	< 1	< 2	< 10	14	< 10	2	18	0.09	1.92
1230050030	120	2.45	< 10	< 1	0.31	12	1.12	0.133	0.040	1.86	< 2	1	58	0.02	< 1	< 2	< 10	13	< 10	2	14	0.14	1.74
1228017342	168	3.49	< 10	< 1	0.27	17	1.61	0.056	0.041	2.17	< 2	< 1	26	< 0.01	< 1	< 2	< 10	12	< 10	2	19	0.05	2.13
1228017352	191	3.17	< 10	< 1	0.29	18	1.49	0.062	0.042	2.84	< 2	< 1	24	< 0.01	4	< 2	< 10	11	< 10	3	17	0.19	2.66

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
1231032862	122	11.7	20	< 1	0.21	< 10	2.64	0.050	0.088	4.52	5	18	19	0.15	4	< 2	< 10	250	< 10	12	7	0.20	4.61
1228017424	169	4.61	< 10	< 1	0.45	< 10	0.64	0.033	0.038	4.50	< 2	< 1	18	< 0.01	6	< 2	< 10	8	< 10	2	18	0.05	4.24
1228017418	127	4.66	< 10	< 1	0.05	< 10	1.91	0.485	0.021	0.12	< 2	6	64	0.24	2	< 2	< 10	143	< 10	4	3	0.06	0.12
1228017294	203	4.63	< 10	< 1	0.05	< 10	1.86	0.490	0.020	0.14	< 2	5	71	0.21	< 1	< 2	< 10	136	< 10	4	3	0.10	0.14
V845111	14	3.94	< 10	< 1	0.42	31	0.76	0.179	0.090	0.08	< 2	6	53	0.46	5	< 2	< 10	117	< 10	22	10	0.09	0.08
1228017434	105	1.90	< 10	< 1	0.32	46	0.63	0.061	0.061	1.00	< 2	< 1	128	< 0.01	< 1	< 2	< 10	9	< 10	4	2	0.45	0.93
1228017331	140	3.36	< 10	< 1	0.27	17	1.16	0.120	0.041	2.03	< 2	1	46	< 0.01	< 1	< 2	< 10	17	< 10	2	16	0.08	1.99
1228017221	222	2.44	< 10	< 1	0.30	18	1.09	0.077	0.043	1.79	< 2	1	39	0.01	< 1	< 2	< 10	17	< 10	3	6	0.26	1.69
1229041067	187	2.74	< 10	< 1	0.35	18	0.83	0.053	0.043	1.95	< 2	1	35	0.05	1	< 2	< 10	14	< 10	2	20	0.18	1.83
1228017013	105	2.23	< 10	< 1	0.42	19	0.72	0.098	0.044	1.26	< 2	1	46	0.08	1	2	< 10	17	< 10	3	17	0.12	1.19
1230052018	124	6.54	< 10	< 1	0.30	< 10	1.89	0.055	0.063	4.44	< 2	7	24	0.13	2	< 2	< 10	98	< 10	9	14	0.12	4.45
1230052126	129	2.47	< 10	< 1	0.36	14	1.07	0.124	0.047	2.07	< 2	1	46	< 0.01	< 1	< 2	< 10	15	< 10	2	13	0.19	1.98
1230052059	158	2.63	< 10	< 1	0.31	11	1.35	0.060	0.043	1.33	< 2	1	23	0.01	< 1	< 2	< 10	17	< 10	3	12	0.22	1.29
1230052107	139	3.18	< 10	< 1	0.36	20	1.33	0.118	0.054	2.09	< 2	2	51	0.05	< 1	< 2	< 10	26	< 10	4	13	0.39	2.03
1228017379	200	2.40	< 10	< 1	0.31	27	1.05	0.123	0.048	1.27	< 2	2	75	0.04	1	< 2	< 10	25	< 10	3	10	0.41	1.23
1230053059	206	1.90	< 10	< 1	0.29	16	0.73	0.028	0.044	1.60	< 2	1	18	< 0.01	< 1	< 2	< 10	12	< 10	2	9	0.15	1.54
1230052080	161	2.95	< 10	< 1	0.36	11	1.66	0.026	0.039	1.61	< 2	1	19	< 0.01	< 1	< 2	< 10	15	< 10	1	7	0.15	1.57
1230052131	200	3.11	< 10	< 1	0.33	13	1.40	0.089	0.045	1.72	< 2	2	35	0.05	< 1	< 2	< 10	33	< 10	4	13	0.39	1.64
1228017500	198	2.44	< 10	< 1	0.26	14	0.87	0.063	0.037	1.92	< 2	< 1	28	< 0.01	2	< 2	< 10	9	< 10	2	12	0.17	1.83
1230052148	92	3.64	< 10	< 1	0.41	20	1.35	0.094	0.060	2.30	2	3	36	0.09	< 1	< 2	< 10	42	< 10	5	21	0.23	2.22
1230052168	164	2.37	< 10	< 1	0.33	15	1.08	0.105	0.047	1.91	< 2	1	49	0.02	< 1	< 2	< 10	18	< 10	2	14	0.14	1.96
1230052256	166	2.28	< 10	< 1	0.28	13	1.24	0.117	0.039	1.17	< 2	1	47	< 0.01	< 1	3	< 10	15	< 10	2	7	0.14	1.14
1230053086	134	2.20	< 10	< 1	0.45	15	0.68	0.157	0.041	2.26	4	1	59	0.01	< 1	3	< 10	14	< 10	3	12	0.48	2.20
1230053179	168	2.35	< 10	< 1	0.32	15	1.20	0.095	0.042	1.02	3	2	70	0.04	< 1	< 2	< 10	29	< 10	2	10	0.26	0.99
1230052270	134	6.35	10	< 1	0.36	< 10	1.57	0.107	0.068	2.58	3	8	38	0.16	3	< 2	< 10	133	< 10	8	12	0.19	2.72
1230053001	177	2.41	< 10	< 1	0.35	18	0.71	0.154	0.051	1.47	< 2	2	76	0.06	< 1	< 2	< 10	30	< 10	4	11	0.42	1.40
V845112	13	3.33	< 10	< 1	0.23	10	0.52	0.236	0.057	0.06	< 2	4	40	0.47	5	< 2	< 10	93	< 10	16	14	< 0.01	0.06
1230053087	231	1.87	< 10	< 1	0.35	16	0.45	0.107	0.042	1.88	< 2	< 1	52	< 0.01	< 1	2	< 10	8	< 10	3	7	0.80	1.80
1230052190	164	2.73	< 10	< 1	0.33	15	1.30	0.103	0.045	1.46	< 2	2	44	< 0.01	< 1	< 2	< 10	21	< 10	3	9	0.17	1.40
1230053148	141	2.11	< 10	< 1	0.37	16	0.93	0.052	0.047	1.81	< 2	< 1	24	0.01	< 1	< 2	< 10	14	< 10	3	10	0.32	1.78
1230053164	177	1.91	< 10	< 1	0.39	15	1.10	0.173	0.042	1.58	< 2	1	124	0.02	5	< 2	< 10	14	< 10	3	12	0.18	1.47
1230053165	114	2.08	< 10	< 1	0.33	15	1.07	0.130	0.041	1.80	< 2	1	80	0.02	< 1	3	< 10	13	< 10	3	12	0.22	1.70
1230053004	188	2.22	< 10	< 1	0.37	15	0.92	0.147	0.045	1.10	2	2	64	0.05	< 1	< 2	< 10	25	< 10	3	10	0.32	1.03
1230053062	169	1.81	< 10	< 1	0.26	12	0.80	0.204	0.036	0.64	< 2	1	132	0.02	< 1	< 2	< 10	15	< 10	2	6	0.20	0.63
1229042030	105	2.42	< 10	< 1	0.37	14	1.26	0.035	0.040	1.09	< 2	1	39	< 0.01	< 1	< 2	< 10	13	< 10	1	7	0.41	0.99
1229042002	141	3.91	< 10	< 1	0.33	15	1.47	0.035	0.038	0.68	< 2	1	29	0.02	< 1	< 2	< 10	15	< 10	1	8	0.13	0.70
1230053134	179	1.70	< 10	< 1	0.37	13	0.73	0.074	0.036	1.08	< 2	1	26	< 0.01	< 1	3	< 10	17	< 10	2	9	0.33	1.07
1228018084	215	2.68	< 10	< 1	0.25	13	1.06	0.159	0.037	1.39	< 2	< 1	103	< 0.01	< 1	< 2	< 10	13	< 10	2	9	0.10	1.39
1228018206	208	1.39	< 10	< 1	0.40	58	0.48	0.063	0.071	0.49	< 2	< 1	97	< 0.01	< 1	< 2	< 10	9	< 10	4	2	0.55	0.49
1230053195	218	2.04	< 10	< 1	0.30	17	0.77	0.167	0.042	0.70	< 2	1	86	0.06	< 1	< 2	< 10	16	< 10	2	11	0.34	0.68
1230052215	116	4.28	< 10	< 1	0.32	15	1.60	0.095	0.055	1.30	< 2	6	32	0.05	1	< 2	< 10	84	< 10	7	11	0.31	1.29
1229042035	234	2.45	< 10	< 1	0.38	13	1.00	0.046	0.037	1.08	< 2	1	45	< 0.01	< 1	< 2	< 10	14	< 10	1	9	0.27	1.08
1229042073	235	2.57	< 10	< 1	0.35	13	0.92	0.061	0.037	1.01	3	< 1	72	< 0.01	3	< 2	< 10	12	< 10	1	7	0.28	1.00
V845113	14	3.22	< 10	< 1	0.24	10	0.57	0.257	0.059	0.06	< 2	4	41	0.49	4	< 2	< 10	101	< 10	16	13	0.01	0.07
1228019303	193	2.28	< 10	< 1	0.35	20	0.93	0.112	0.047	2.24	< 2	< 1	40	< 0.01	2	< 2	< 10	9	< 10	3	12	0.54	2.07
1228019265	284	2.20	< 10	< 1	0.21	15	1.23	0.092	0.041	1.67	< 2	< 1	54	< 0.01	< 1	< 2	< 10	10	< 10	2	8	1.07	1.61
1228019195	135	1.99	< 10	< 1	0.30	16	1.23	0.084	0.044	1.89	< 2	< 1	43	< 0.01	1	< 2	< 10	9	< 10	2	6	0.70	1.79
1230055158	159	2.42	< 10	< 1	0.33	15	0.68	0.179	0.047	2.00	< 2	< 1	127	< 0.01	< 1	< 2	< 10	12	< 10	2	5	0.62	1.93
1228019390	123	2.69	< 10	< 1	0.37	15	1.40	0.083	0.037	3.22	< 2	< 1	28	< 0.01	4	< 2	< 10	9	< 10	2	27	0.24	3.08
1228019189	70	1.92	< 10	< 1	0.27	16	1.33	0.066	0.039	1.85	< 2	< 1	33	< 0.01	< 1	2	< 10	8	< 10	2	9	0.52	1.88
1229043072	128	3.05	< 10	< 1	0.41	< 10	0.54	0.031	0.032	2.18	2	< 1	17	< 0.01	3	< 2	< 10	8	< 10	1	10	0.11	2.18

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
1228019381	127	1.85	< 10	< 1	0.39	13	1.14	0.125	0.037	1.65	< 2	< 1	42	< 0.01	3	< 2	< 10	11	< 10	2	7	0.25	1.63
1228019720	84	1.95	< 10	< 1	0.39	16	1.42	0.105	0.042	1.12	< 2	1	56	< 0.01	< 1	< 2	< 10	10	< 10	2	7	0.87	1.12
1228019260	73	2.10	< 10	< 1	0.34	15	0.98	0.079	0.046	2.41	< 2	< 1	45	< 0.01	1	< 2	< 10	7	< 10	2	10	0.91	2.29
1230054079	120	2.09	< 10	< 1	0.41	13	1.20	0.160	0.041	0.77	< 2	2	48	0.04	< 1	< 2	< 10	21	< 10	3	10	0.20	0.75
1230054172	257	5.23	< 10	< 1	0.41	< 10	1.48	0.084	0.054	3.09	< 2	8	36	0.16	< 1	< 2	< 10	102	< 10	8	17	0.64	3.26
1230052175	252	2.41	< 10	< 1	0.29	15	1.29	0.147	0.042	0.86	< 2	2	44	0.05	< 1	< 2	< 10	23	< 10	2	14	0.22	0.80
1230054138	187	2.40	< 10	< 1	0.41	15	1.27	0.088	0.044	0.76	< 2	2	28	0.04	< 1	2	< 10	27	< 10	4	12	0.38	0.73
1228019326	92	1.81	< 10	< 1	0.33	13	0.94	0.086	0.046	1.75	< 2	< 1	55	< 0.01	< 1	< 2	< 10	8	< 10	2	6	0.84	1.66
1228019399	124	1.98	< 10	< 1	0.28	15	1.32	0.125	0.048	1.30	2	< 1	44	< 0.01	< 1	3	< 10	11	< 10	2	3	0.41	1.19
1230054073	134	2.18	< 10	< 1	0.61	13	1.28	0.259	0.041	0.76	< 2	2	107	0.06	< 1	< 2	< 10	25	< 10	3	12	0.16	0.75
1230052299	89	2.66	< 10	< 1	0.35	12	1.08	0.059	0.049	1.21	3	3	27	0.05	< 1	3	< 10	39	< 10	4	11	0.44	1.24
1228019374	43	1.91	< 10	< 1	0.33	13	1.20	0.082	0.041	1.93	< 2	< 1	46	< 0.01	1	< 2	< 10	8	< 10	2	10	0.97	1.88
1230055219	161	2.41	< 10	< 1	0.35	12	0.96	0.216	0.035	1.28	3	1	84	0.01	< 1	< 2	< 10	14	< 10	2	6	0.39	1.23
1229043048	152	3.08	< 10	< 1	0.37	11	0.52	0.134	0.037	2.10	< 2	< 1	93	0.04	< 1	< 2	< 10	9	< 10	2	17	0.07	2.01
1230055022	109	2.20	< 10	< 1	0.33	15	1.40	0.226	0.037	1.29	< 2	< 1	99	0.01	< 1	4	< 10	12	< 10	2	10	0.16	1.24
1230054207	245	2.65	< 10	< 1	0.39	13	1.17	0.151	0.046	1.35	2	3	68	0.05	< 1	< 2	< 10	31	< 10	3	15	0.34	1.29
V845114	12	2.97	< 10	< 1	0.25	16	0.43	0.166	0.045	0.04	< 2	3	49	0.28	3	< 2	< 10	59	< 10	17	10	0.40	0.04
1228019041	133	2.55	< 10	< 1	0.24	23	1.33	0.193	0.057	2.00	< 2	2	91	0.02	< 1	< 2	< 10	19	< 10	3	11	0.40	2.00
1231033594	263	8.78	< 10	< 1	0.47	< 10	1.76	0.204	0.065	7.70	2	12	129	0.08	6	< 2	< 10	153	< 10	8	12	0.80	8.42
1228018163	213	4.65	< 10	< 1	1.32	81	3.13	0.093	0.203	0.06	< 2	12	236	0.18	1	< 2	< 10	121	< 10	8	4	0.93	0.06
1231033558	307	3.04	< 10	< 1	0.34	17	1.85	0.095	0.070	1.52	< 2	4	67	0.04	2	< 2	< 10	40	< 10	4	9	0.50	1.45
1228018294	202	2.32	< 10	< 1	0.27	13	1.28	0.142	0.037	0.80	3	1	72	0.03	< 1	< 2	< 10	18	< 10	2	12	0.15	0.83
1228018271	340	2.22	< 10	< 1	0.47	22	1.11	0.100	0.058	1.03	2	2	101	0.07	< 1	< 2	< 10	28	< 10	3	13	0.34	0.97
1228019170	154	2.31	< 10	< 1	0.25	23	1.27	0.180	0.050	2.03	2	1	59	< 0.01	< 1	< 2	< 10	13	< 10	3	5	0.43	2.00
1228018160	204	2.96	< 10	< 1	0.61	41	1.63	0.104	0.111	0.99	2	6	116	0.06	7	< 2	< 10	54	< 10	4	5	0.71	0.96
1228018102	254	2.21	< 10	< 1	0.32	13	0.69	0.077	0.041	1.83	< 2	< 1	55	< 0.01	< 1	< 2	< 10	10	< 10	2	12	0.60	1.82
1228019036	142	2.93	< 10	< 1	0.33	19	1.38	0.141	0.050	1.56	< 2	2	83	< 0.01	2	< 2	< 10	23	< 10	4	3	1.09	1.56
1228019310	149	2.30	< 10	< 1	0.24	20	1.16	0.115	0.041	2.56	< 2	1	39	< 0.01	< 1	< 2	< 10	13	< 10	2	19	0.19	2.54
1228019084	102	2.30	< 10	< 1	0.36	20	1.30	0.129	0.049	1.90	< 2	1	59	< 0.01	< 1	< 2	< 10	13	< 10	3	4	0.58	1.82
1228019202	123	2.25	< 10	< 1	0.29	19	1.28	0.169	0.045	1.98	< 2	1	58	< 0.01	< 1	< 2	< 10	13	< 10	3	7	0.52	1.84
1228019347	397	2.42	< 10	< 1	0.23	19	1.25	0.098	0.052	2.44	3	1	35	< 0.01	< 1	< 2	< 10	12	< 10	2	8	0.25	2.32
1228019739	83	1.74	< 10	< 1	0.30	15	1.09	0.073	0.043	1.50	< 2	< 1	52	< 0.01	< 1	2	< 10	8	< 10	2	6	0.93	1.48
1228019110	149	2.16	< 10	< 1	0.34	18	1.17	0.102	0.045	1.92	< 2	1	45	< 0.01	< 1	< 2	< 10	11	< 10	3	6	0.71	1.84
V845115	12	2.99	< 10	< 1	0.25	17	0.43	0.163	0.047	0.04	< 2	3	49	0.30	4	< 2	< 10	60	< 10	17	16	0.40	0.04
1229042044	155	2.75	< 10	< 1	0.28	11	1.08	0.154	0.037	0.96	3	1	105	0.01	2	< 2	< 10	15	< 10	1	9	0.26	0.91
1228018120	158	2.49	< 10	< 1	0.31	14	1.15	0.171	0.040	1.45	3	1	102	0.01	< 1	< 2	< 10	17	< 10	2	12	0.17	1.35
1228018026	71	2.80	< 10	< 1	0.46	13	1.93	0.096	0.041	1.81	3	1	46	0.05	2	< 2	< 10	17	< 10	2	15	0.10	1.76
1229042001	105	3.43	< 10	< 1	0.27	12	0.99	0.061	0.036	0.94	3	1	47	0.03	< 1	< 2	< 10	13	< 10	2	10	0.15	0.92
1228018220	130	2.16	< 10	< 1	0.28	28	0.94	0.125	0.055	1.10	< 2	1	90	< 0.01	< 1	< 2	< 10	15	< 10	3	2	0.30	0.97
1228018008	196	3.02	< 10	< 1	0.27	14	1.00	0.160	0.035	1.27	3	1	145	< 0.01	2	2	< 10	13	< 10	2	10	0.13	1.24
1228018035	199	3.01	< 10	< 1	0.27	13	0.93	0.167	0.035	1.22	< 2	1	157	< 0.01	5	< 2	< 10	13	< 10	2	8	0.11	1.24
1228018113	131	3.23	< 10	< 1	0.39	17	2.01	0.029	0.052	2.25	< 2	1	15	< 0.01	< 1	< 2	< 10	14	< 10	2	13	0.08	2.20
1228018263	166	2.12	< 10	< 1	0.37	15	0.83	0.168	0.041	1.97	< 2	1	105	0.01	< 1	< 2	< 10	14	< 10	2	17	0.20	1.87
1228019115	118	2.47	< 10	< 1	0.25	20	1.26	0.114	0.048	2.76	< 2	1	45	< 0.01	3	4	< 10	13	< 10	3	17	0.25	2.66
1231033528	136	2.19	< 10	< 1	0.39	17	0.85	0.054	0.066	1.31	< 2	1	26	< 0.01	< 1	< 2	< 10	15	< 10	3	2	0.32	1.29
1228018013	221	3.29	< 10	< 1	0.28	14	0.96	0.184	0.039	1.93	< 2	1	128	< 0.01	1	< 2	< 10	14	< 10	2	11	0.13	1.93
1231033550	381	4.50	< 10	< 1	0.30	< 10	1.05	0.071	0.086	4.11	< 2	9	26	0.03	4	< 2	< 10	93	< 10	7	11	0.28	4.12
1228018214	214	2.41	< 10	< 1	0.22	17	1.09	0.134	0.043	1.63	< 2	1	69	< 0.01	< 1	3	< 10	15	< 10	2	11	0.12	1.55
1228018044	135	3.31	< 10	< 1	0.42	14	1.11	0.049	0.038	2.31	< 2	1	28	0.01	< 1	< 2	< 10	12	< 10	2	22	0.12	2.21
1228018107	167	2.40	< 10	< 1	0.44	17	0.77	0.155	0.044	1.92	< 2	1	72	0.01	1	2	< 10	13	< 10	2	17	0.18	1.89
1228019171	186	2.77	< 10	< 1	0.15	26	1.21	0.187	0.067	2.81	< 2	2	69	< 0.01	10	< 2	< 10	16	< 10	4	5	0.41	2.72

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
V845116	14	3.50	< 10	< 1	0.23	11	0.53	0.247	0.058	0.06	< 2	4	40	0.49	11	< 2	< 10	96	< 10	16	14	< 0.01	0.06

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas								0.4	< 0.5	70	994	2	24	96	122	6.24	228	< 10	783	0.8	< 2	0.12	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	13.8
GXR-6 Meas								0.5	< 0.5	72	996	2	25	92	123	6.51	224	< 10	831	0.9	< 2	0.12	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	13.8
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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
NBM-1 (slight fzz) Meas		42.8				8.55																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.3				8.80																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		43.1				8.45																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.2																					
NBM-1 (slight fzz) Cert		46.6																					
OREAS 922 (AQUA REGIA) Meas								0.9	< 0.5	2220	714	< 1	34	58	254	2.60	3		92	0.7	9	0.41	17
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								1.1	< 0.5	2260	709	< 1	33	65	251	2.60	5		92	0.7	6	0.41	17
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								1.8	< 0.5	4220	811	< 1	32	80	323	2.61	6		67	0.7	15	0.41	19
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								2.1	< 0.5	4430	833	< 1	34	83	337	2.66	10		60	0.7	15	0.43	20
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								10.9		> 10000				83	406						< 2		42
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.1		> 10000				84	404						< 2		40
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
OREAS 220 (Fire Assay) Meas							869																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							896																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							880																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							876																
OREAS 220 (Fire Assay) Cert							866																
OREAS 220 (Fire Assay) Meas							861																
OREAS 220 (Fire Assay) Cert							866																
Oreas 621 (Aqua Regia) Meas								68.4	262	3380	474	13	22	> 5000	> 10000	1.62	76			0.6	< 2	1.48	27
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								72.2	263	3460	482	14	27	> 5000	> 10000	1.60	81			0.6	7	1.69	27
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
OREAS 238 (Fire Assay) Meas							3170																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3190																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3160																
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 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																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
1229065020 Orig							2890																
1229065020 Dup							2810																
1230051120 Orig								0.2	< 0.5	27	417	3	12	2	133	2.49	7	30	77	< 0.5	< 2	1.65	5
1230051120 Dup								< 0.2	< 0.5	27	404	3	12	< 2	129	2.38	6	29	73	< 0.5	< 2	1.61	4
1229065181 Orig							163																
1229065181 Dup							202																
1230051039 Orig								< 0.2	< 0.5	25	316	1	11	4	79	1.84	5	< 10	58	< 0.5	< 2	1.12	4
1230051039 Dup								< 0.2	< 0.5	25	314	1	12	4	81	1.85	3	< 10	52	< 0.5	< 2	1.12	4
1230050166 Orig							117																
1230050166 Dup							96																
1228016058 Orig																							
1228016058 Dup																							
1228017139 Orig								0.6	2.3	146	488	4	16	< 2	659	1.11	8	< 10	22	< 0.5	< 2	1.15	7
1228017139 Dup								0.7	2.3	132	485	3	14	< 2	648	1.05	8	< 10	28	< 0.5	< 2	1.12	7
1228017236 Orig																							
1228017236 Dup																							
1228017307 Orig							145																
1228017307 Dup							117																
1228017342 Orig	60.4	5.37	-55.0	65.2	0.0824																		
1228017342 Dup	60.4	5.13	-55.3	65.2	0.0787																		
1231032862 Orig																							
1231032862 Dup																							
1228017424 Orig								1.6	< 0.5	376	149	2	11	7	45	1.37	8	< 10	< 10	< 0.5	26	0.26	3
1228017424 Dup								1.6	< 0.5	357	148	1	10	4	42	1.35	9	< 10	< 10	< 0.5	23	0.25	2
1228017294 Orig							< 5																
1228017294 Dup							< 5																
1230052018 Orig																							
1230052018 Dup																							
1230052107 Orig							122																
1230052107 Dup							124																
1230052131 Orig								0.7	1.1	30	681	< 1	22	25	393	1.94	29	< 10	21	< 0.5	< 2	1.42	11
1230052131 Dup								0.6	1.2	30	669	< 1	19	32	377	1.93	29	< 10	23	< 0.5	< 2	1.39	11
1230052256 Orig																							
1230052256 Dup																							
1230053179 Orig						8.76																	
1230053179 Dup						8.75																	
1230052190 Orig							188																
1230052190 Dup							192																
1230053165 Orig								0.6	< 0.5	23	436	< 1	16	11	60	2.55	23	< 10	32	< 0.5	< 2	1.93	7
1230053165 Dup								0.6	< 0.5	21	432	< 1	15	10	63	2.53	20	< 10	28	< 0.5	< 2	1.91	7
1228018206 Orig							33																
1228018206 Dup							26																
1229042073 Orig																							
1229042073 Dup																							
1228019303 Orig								2.4	0.5	44	972	2	13	30	208	1.57	27	< 10	28	< 0.5	< 2	1.85	7

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228019303 Dup								2.6	0.6	45	952	< 1	14	34	196	1.56	25	< 10	23	< 0.5	< 2	1.87	7
1230055158 Orig	51.1	45.0	-6.16	59.1	0.761																		
1230055158 Dup	51.1	45.0	-6.12	59.1	0.762																		
1228019390 Orig							190																
1228019390 Dup							197																
1228019720 Orig																							
1228019720 Dup																							
1228019326 Orig								1.1	< 0.5	18	786	< 1	9	56	148	1.54	38	< 10	29	< 0.5	< 2	1.99	6
1228019326 Dup								1.1	< 0.5	19	769	< 1	11	44	156	1.53	50	< 10	32	< 0.5	< 2	1.97	6
1230055219 Orig							127																
1230055219 Dup							150																
1228018271 Orig							196																
1228018271 Dup							234																
1228019347 Orig								0.7	0.8	48	532	1	16	13	249	1.67	9	< 10	15	< 0.5	< 2	0.85	8
1228019347 Dup								0.7	0.8	47	527	1	18	13	248	1.65	7	< 10	18	< 0.5	< 2	0.84	7
1228019110 Orig							133																
1228019110 Dup							132																
V845115 Orig																							
V845115 Dup																							
1228018113 Orig							58																
1228018113 Dup							58																
1228019115 Orig																							
1228019115 Dup																							
1231033528 Orig	34.5	37.6	3.08	39.5	0.951			0.7	< 0.5	105	462	1	12	3	143	1.41	7	< 10	20	< 0.5	< 2	1.15	9
1231033528 Dup	34.5	37.7	3.24	39.5	0.955			0.8	< 0.5	111	462	1	11	3	145	1.41	6	< 10	18	< 0.5	< 2	1.15	9
1231033550 Orig						8.33																	
1231033550 Dup						8.34																	
1228018214 Orig							47																
1228018214 Dup							58																
1228018107 Orig						8.69																	
1228018107 Dup						8.71																	
1228019171 Orig	75.6	24.3	-51.3	83.3	0.292																		
1228019171 Dup	75.6	24.4	-51.2	83.3	0.293																		
V845116 Orig																							
V845116 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							< 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	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 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
GXR-6 Meas	84	6.02	20	1	1.14	< 10	0.40	0.064	0.033	0.01	< 2	18	26		< 1	3	< 10	173	< 10	4	6		
GXR-6 Cert	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	89	5.88	20	< 1	1.21	< 10	0.42	0.067	0.035	0.01	3	19	27		< 1	< 2	< 10	175	< 10	5	6		
GXR-6 Cert	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																							14.1
BaSO4 Cert																							14.0
BaSO4 Meas																							13.9
BaSO4 Cert																							14.0
BaSO4 Meas																							13.7
BaSO4 Cert																							14.0
BaSO4 Meas																							14.1
BaSO4 Cert																							14.0
BaSO4 Meas																							14.2
BaSO4 Cert																							14.0
BaSO4 Meas																							14.1
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							13.8
BaSO4 Cert																							14.0
SGR-1b Meas																						27.3	1.59
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.1	1.57
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.5	1.58
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.7	1.59
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.3	1.58
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.58
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.8	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.9	1.57
SGR-1b Cert																						28	1.53
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																						1.14	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																						1.12	0.55
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																						1.11	0.54

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
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	48	5.16	< 10		0.51	39	1.34	0.027	0.061	0.37	< 2	4	16			< 2	< 10	36	< 10	20	11		
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	48	5.07	< 10		0.51	39	1.35	0.027	0.061	0.37	3	4	16			< 2	< 10	37	< 10	21	13		
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	47	5.92	< 10		0.42	36	1.42		0.059	0.67	2	4	15			< 2	< 10	36	< 10	18	20		
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	47	6.04	< 10		0.45	37	1.46		0.061	0.69	2	4	15			< 2	< 10	37	< 10	19	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 96 (Aqua Regia) Meas										3.82	5												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.96	5												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							

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 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas	29	3.15	10	3	0.39	20	0.44	0.160	0.033	4.36	102	2	17			2	< 10	13	< 10	8	58		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	34	3.14	10	3	0.40	20	0.44	0.166	0.033	4.58	96	3	19			2	< 10	13	< 10	8	55		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
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																						0.04	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	0.33
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	0.34
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	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																						0.04	0.32
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	0.33
GS316-3 Cert																						0.0600	0.340
1229065020 Orig																						0.23	1.84
1229065020 Dup																						0.23	1.88

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
1230051120 Orig	130	1.46	< 10	< 1	0.37	15	1.50	0.057	0.040	0.14	< 2	1	58	0.02	< 1	< 2	< 10	19	< 10	2	5		
1230051120 Dup	126	1.40	< 10	< 1	0.36	15	1.45	0.055	0.039	0.13	< 2	1	56	0.02	< 1	< 2	< 10	18	< 10	2	4		
1229065181 Orig																						0.01	1.69
1229065181 Dup																						0.02	1.78
1230051039 Orig	214	2.02	< 10	< 1	0.27	15	0.76	0.162	0.039	0.75	2	1	95	0.04	< 1	< 2	< 10	16	< 10	2	8		
1230051039 Dup	220	2.03	< 10	< 1	0.27	14	0.76	0.163	0.038	0.76	< 2	1	94	0.04	< 1	< 2	< 10	16	< 10	2	7		
1230050166 Orig																							
1230050166 Dup																							
1228016058 Orig																						0.18	1.75
1228016058 Dup																						0.17	1.74
1228017139 Orig	329	2.36	< 10	< 1	0.15	13	0.86	0.079	0.039	1.79	< 2	2	28	< 0.01	< 1	< 2	< 10	17	< 10	3	13		
1228017139 Dup	315	2.36	< 10	< 1	0.14	13	0.83	0.075	0.037	1.75	2	1	29	< 0.01	< 1	< 2	< 10	17	< 10	3	16		
1228017236 Orig																						0.39	1.44
1228017236 Dup																						0.38	1.49
1228017307 Orig																							
1228017307 Dup																							
1228017342 Orig																							
1228017342 Dup																							
1231032862 Orig																						0.19	4.59
1231032862 Dup																						0.20	4.63
1228017424 Orig	171	4.59	< 10	< 1	0.45	< 10	0.64	0.034	0.038	4.51	2	< 1	19	< 0.01	2	2	< 10	8	< 10	2	18		
1228017424 Dup	167	4.63	< 10	< 1	0.45	< 10	0.63	0.033	0.038	4.48	< 2	< 1	18	< 0.01	9	< 2	< 10	8	< 10	2	18		
1228017294 Orig																							
1228017294 Dup																							
1230052018 Orig																						0.12	4.49
1230052018 Dup																						0.12	4.42
1230052107 Orig																							
1230052107 Dup																							
1230052131 Orig	202	3.18	< 10	< 1	0.34	14	1.42	0.089	0.045	1.75	< 2	2	36	0.05	< 1	< 2	< 10	33	< 10	4	13		
1230052131 Dup	198	3.05	< 10	< 1	0.33	13	1.38	0.089	0.045	1.69	< 2	2	34	0.05	< 1	< 2	< 10	32	< 10	4	13		
1230052256 Orig																						0.13	1.15
1230052256 Dup																						0.14	1.12
1230053179 Orig																							
1230053179 Dup																							
1230052190 Orig																							
1230052190 Dup																							
1230053165 Orig	114	2.08	< 10	< 1	0.33	16	1.08	0.130	0.042	1.82	< 2	1	80	0.02	< 1	3	< 10	14	< 10	3	12	0.23	1.69
1230053165 Dup	114	2.07	< 10	< 1	0.33	15	1.06	0.129	0.041	1.79	3	1	79	0.02	< 1	3	< 10	13	< 10	3	11	0.21	1.71
1228018206 Orig																							
1228018206 Dup																							
1229042073 Orig																						0.28	1.01
1229042073 Dup																						0.28	1.00
1228019303 Orig	190	2.32	< 10	< 1	0.36	19	0.92	0.113	0.047	2.23	3	< 1	41	< 0.01	2	< 2	< 10	9	< 10	3	15		
1228019303 Dup	195	2.24	< 10	< 1	0.35	20	0.93	0.111	0.047	2.25	< 2	< 1	40	< 0.01	3	< 2	< 10	9	< 10	3	10		
1230055158 Orig																							
1230055158 Dup																							
1228019390 Orig																							
1228019390 Dup																							
1228019720 Orig																						0.87	1.12
1228019720 Dup																						0.87	1.12
1228019326 Orig	92	1.83	< 10	< 1	0.33	13	0.95	0.086	0.047	1.76	< 2	< 1	55	< 0.01	< 1	< 2	< 10	8	< 10	2	5		

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
1228019326 Dup	91	1.80	< 10	< 1	0.33	14	0.94	0.086	0.046	1.74	< 2	< 1	54	< 0.01	1	< 2	< 10	8	< 10	2	6		
1230055219 Orig																						0.39	1.22
1230055219 Dup																						0.38	1.23
1228018271 Orig																						0.34	0.96
1228018271 Dup																						0.34	0.97
1228019347 Orig	396	2.43	< 10	< 1	0.23	19	1.26	0.099	0.052	2.43	4	1	35	< 0.01	< 1	< 2	< 10	12	< 10	2	7		
1228019347 Dup	398	2.41	< 10	< 1	0.23	19	1.24	0.097	0.052	2.46	2	1	35	< 0.01	< 1	< 2	< 10	12	< 10	2	9		
1228019110 Orig																							
1228019110 Dup																							
V845115 Orig																						0.40	0.04
V845115 Dup																						0.41	0.04
1228018113 Orig																							
1228018113 Dup																							
1228019115 Orig																						0.25	2.67
1228019115 Dup																						0.25	2.64
1231033528 Orig	138	2.17	< 10	< 1	0.40	17	0.86	0.055	0.066	1.33	< 2	1	26	< 0.01	< 1	< 2	< 10	15	< 10	3	2		
1231033528 Dup	134	2.21	< 10	< 1	0.39	17	0.85	0.052	0.066	1.30	< 2	1	27	< 0.01	< 1	< 2	< 10	15	< 10	3	2		
1231033550 Orig																							
1231033550 Dup																							
1228018214 Orig																							
1228018214 Dup																							
1228018107 Orig																							
1228018107 Dup																							
1228019171 Orig																							
1228019171 Dup																							
V845116 Orig																						< 0.01	0.06
V845116 Dup																						0.01	0.06
Method Blank																							
Method Blank																							
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	0.011	< 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	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	3	< 10	< 1	< 10	< 1	< 1		
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.011	< 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	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-16176**
Report Date:	**19-Dec-19**
Date Submitted:	**27-Nov-19**
Your Reference:	**Check Assay-RC Samples**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

84 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)	2019-12-01 16:31:11
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-12-03 23:03:05
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2019-12-10 13:52:43

REPORT **A19-16176**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A19-16176**
Report Date: **19-Dec-19**
Date Submitted: **27-Nov-19**
Your Reference: **Check Assay-RC Samples**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

84 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
4F-C, S	Infrared	2019-12-13 22:15:26

REPORT **A19-16176**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC19-0138-011	32	1.1	< 0.5	16	1220	< 1	11	76	103	1.18	30	< 10	44	< 0.5	< 2	2.56	7	131	1.12	< 10	< 1	0.22	17
GC19-0140-021	314	1.3	8.3	100	546	1	9	23	1860	2.62	21	< 10	29	< 0.5	< 2	1.95	7	96	2.52	< 10	< 1	0.21	16
GC19-0140-004	31	1.2	< 0.5	23	888	1	8	34	100	1.49	33	< 10	49	< 0.5	< 2	2.28	7	75	0.91	< 10	< 1	0.26	13
GC19-0150-002	379	0.6	1.6	47	603	< 1	12	35	465	1.99	70	< 10	27	< 0.5	< 2	0.54	8	79	2.16	< 10	< 1	0.19	14
GC19-0139-015	103	2.7	0.9	48	1230	< 1	13	75	317	0.79	81	< 10	34	< 0.5	< 2	3.42	8	96	1.70	< 10	< 1	0.21	16
GC19-0143-006	1290	4.2	2.7	43	822	< 1	15	86	851	1.21	110	< 10	21	< 0.5	< 2	0.19	9	82	2.45	< 10	< 1	0.22	15
GC19-0152-012	39	0.5	< 0.5	23	532	< 1	8	8	105	2.69	14	< 10	41	< 0.5	< 2	1.68	5	99	1.69	< 10	< 1	0.21	16
GC19-0160-013	215	1.0	< 0.5	224	212	1	9	2	48	1.20	6	< 10	11	< 0.5	10	0.37	1	117	3.99	< 10	< 1	0.25	< 10
GC19-0121-001	75	1.2	< 0.5	70	1130	< 1	74	8	358	2.74	77	< 10	13	< 0.5	< 2	0.47	20	388	3.48	< 10	< 1	0.45	26
GC19-0227-001	6	0.3	< 0.5	168	1380	< 1	90	< 2	117	4.08	6	< 10	25	< 0.5	3	6.17	36	249	9.88	10	< 1	0.08	< 10
GC19-0142-018	24	0.4	< 0.5	50	813	1	12	6	76	2.91	17	< 10	43	< 0.5	< 2	1.94	8	88	2.63	< 10	< 1	0.23	20
GC19-0149-010	167	5.1	3.6	91	942	1	15	621	902	1.85	45	< 10	18	< 0.5	< 2	2.02	11	69	2.73	< 10	< 1	0.26	18
GC19-0151-001	72	1.6	< 0.5	26	1060	1	12	19	137	1.84	23	< 10	51	0.5	< 2	0.44	6	191	1.04	< 10	< 1	0.52	13
GC19-0198-001	144	0.5	2.6	104	458	4	16	< 2	640	1.24	7	< 10	24	< 0.5	< 2	0.75	7	268	2.62	< 10	< 1	0.17	15
GC19-0235-015	< 5	0.3	< 0.5	72	972	< 1	62	< 2	79	3.59	7	< 10	30	< 0.5	< 2	4.38	34	101	9.26	20	< 1	0.20	< 10
GC19-0237-003	< 5	0.2	< 0.5	24	1180	< 1	147	< 2	118	4.24	8	< 10	43	< 0.5	3	5.17	31	149	6.85	10	< 1	0.22	< 10
GC19-0238-007	72	0.7	0.8	67	2090	< 1	122	8	335	4.98	20	< 10	98	< 0.5	< 2	7.20	29	127	7.37	10	< 1	0.93	< 10
GC19-0118-009	1130	1.4	< 0.5	564	322	< 1	6	4	31	1.83	9	< 10	33	< 0.5	8	0.84	3	111	3.76	< 10	< 1	0.25	11
GC19-0209-001	24	0.4	< 0.5	16	288	2	12	3	87	1.45	2	< 10	17	< 0.5	< 2	0.37	9	100	2.76	< 10	< 1	0.15	21
GC19-0120-008	32	0.2	< 0.5	46	417	1	10	< 2	50	2.49	9	17	44	< 0.5	3	2.06	5	107	3.42	< 10	< 1	0.25	14
GC19-0107-002	30	0.4	< 0.5	27	611	2	28	< 2	81	1.87	24	< 10	13	< 0.5	< 2	1.43	12	173	3.14	< 10	< 1	0.56	27
V838435	63	0.2	0.6	16	227	1	14	8	193	1.62	9	< 10	34	< 0.5	< 2	1.21	8	147	1.76	< 10	< 1	0.15	14
GC19-0209-019	55	0.3	2.2	81	505	3	13	< 2	595	1.22	4	< 10	17	< 0.5	< 2	1.04	8	151	2.61	< 10	< 1	0.14	14
GC19-0278-012	74	< 0.2	< 0.5	14	418	4	12	< 2	93	2.39	7	23	61	0.5	< 2	2.02	4	97	1.44	< 10	< 1	0.30	17
GC19-0211-016	577	0.8	< 0.5	118	431	< 1	13	< 2	46	0.99	9	< 10	18	< 0.5	3	1.65	6	155	2.76	< 10	< 1	0.19	14
GC19-0120-004	42	0.3	< 0.5	19	459	1	12	2	59	2.64	4	< 10	46	< 0.5	6	0.83	5	103	4.29	< 10	< 1	0.22	12
GC19-0236-009	6	0.3	< 0.5	97	844	< 1	70	< 2	142	3.92	5	< 10	52	< 0.5	< 2	3.32	34	111	9.04	20	< 1	0.18	< 10
GC19-0182-011	863	1.1	6.6	89	709	< 1	12	16	1280	2.05	88	< 10	25	< 0.5	< 2	1.03	8	66	2.60	< 10	< 1	0.21	14
GC19-0226-021	< 5	0.3	0.9	30	1220	1	11	< 2	213	2.50	8	< 10	14	< 0.5	< 2	5.10	28	129	9.96	20	< 1	0.02	< 10
GC19-0191-001	132	0.2	< 0.5	60	496	3	15	< 2	67	1.28	7	< 10	12	< 0.5	< 2	0.68	7	237	2.48	< 10	< 1	0.14	13
GC19-0204-012	72	0.5	1.2	90	672	3	15	< 2	308	1.26	11	< 10	32	< 0.5	< 2	1.40	7	155	2.51	< 10	< 1	0.15	15
GC19-0191-019	43	< 0.2	< 0.5	22	427	1	12	< 2	65	1.13	5	< 10	63	< 0.5	< 2	1.80	7	193	1.93	< 10	< 1	0.17	14
GC19-0198-019FD	115	< 0.2	< 0.5	11	387	< 1	13	< 2	101	1.00	4	< 10	78	< 0.5	< 2	1.49	7	177	1.88	< 10	< 1	0.22	15
GC19-0184-019FD	524	2.4	4.5	57	823	< 1	13	24	1260	1.68	32	< 10	20	< 0.5	< 2	1.62	7	62	2.48	< 10	< 1	0.27	12
GC19-0184-001	229	1.2	5.0	38	1030	1	19	194	1280	2.62	67	< 10	21	< 0.5	< 2	0.33	7	207	2.69	< 10	< 1	0.69	14
GC19-0159-019FD	5	0.3	< 0.5	128	618	1	53	< 2	75	5.02	< 2	< 10	21	< 0.5	< 2	3.95	24	98	5.20	< 10	< 1	0.03	< 10
GC19-0117-015	130	1.6	0.7	51	1590	< 1	11	20	200	0.96	62	< 10	43	< 0.5	< 2	3.83	6	76	1.91	< 10	< 1	0.29	14
GC19-0222-015	12	0.7	< 0.5	83	1760	< 1	72	< 2	178	3.92	16	< 10	23	< 0.5	2	5.32	33	75	9.46	10	1	0.13	< 10
GC19-0286-015	242	0.5	< 0.5	62	324	< 1	12	< 2	252	1.98	21	< 10	35	< 0.5	2	0.67	8	86	2.54	< 10	< 1	0.26	14
GC19-0230-005	46	0.7	< 0.5	98	1550	< 1	129	5	169	4.57	28	< 10	43	< 0.5	< 2	5.21	40	163	9.90	10	1	0.41	< 10
GC19-0263-013	879	0.6	< 0.5	172	278	1	10	< 2	35	1.47	11	12	31	< 0.5	3	1.25	8	147	2.39	< 10	< 1	0.23	13
GC19-0228-009	1050	2.2	3.0	147	2260	< 1	68	10	652	3.67	97	< 10	46	< 0.5	< 2	4.77	38	95	10.8	10	< 1	0.80	< 10
GC19-0283-019	235	1.3	< 0.5	64	306	< 1	11	< 2	105	1.54	16	< 10	25	< 0.5	5	1.00	8	101	3.22	< 10	< 1	0.33	14
GC19-0301-019	234	0.9	< 0.5	18	834	< 1	18	2	222	1.98	35	< 10	35	< 0.5	< 2	1.15	11	111	3.13	< 10	< 1	0.27	15
GC19-0239-007	6	0.2	< 0.5	108	1470	< 1	107	< 2	135	4.06	5	< 10	18	< 0.5	< 2	6.44	38	150	10.2	10	< 1	0.06	< 10
GC19-0324-BK1	< 5	< 0.2	< 0.5	3	123	< 1	3	< 2	6	0.03	< 2	< 10	25	< 0.5	< 2	> 10.0	< 1	70	0.15	< 10	< 1	0.01	< 10
GC19-0309-021	343	4.9	5.6	173	1530	< 1	64	3	1240	3.68	51	< 10	25	< 0.5	< 2	2.25	31	132	10.5	10	< 1	0.23	< 10
GC19-0229-016	202	1.1	6.8	58	2810	< 1	46	5	1350	3.14	80	< 10	52	< 0.5	< 2	8.01	19	144	8.70	< 10	< 1	0.66	< 10
GC19-0183-014	445	4.5	4.4	56	1620	1	14	451	972	1.57	38	< 10	37	< 0.5	< 2	2.93	7	139	2.62	< 10	< 1	0.25	11

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC19-0185-003	78	0.6	< 0.5	166	523	4	12	< 2	74	1.43	9	< 10	25	< 0.5	< 2	1.52	8	181	2.66	< 10	< 1	0.12	14
GC19-0187-019FD	366	0.7	< 0.5	161	457	5	12	< 2	49	1.10	14	< 10	28	< 0.5	2	1.22	11	144	2.92	< 10	< 1	0.14	14
GC19-0291-001	173	0.5	< 0.5	143	344	10	15	< 2	73	2.93	6	< 10	48	< 0.5	< 2	1.08	3	279	2.51	< 10	< 1	0.43	13
GC19-0208-006	187	0.6	< 0.5	146	666	4	17	< 2	182	1.77	8	< 10	19	< 0.5	< 2	3.15	7	167	3.05	< 10	< 1	0.13	12
GC19-0129-008	694	2.1	5.2	48	1230	< 1	16	8	1260	0.80	47	< 10	11	< 0.5	< 2	1.13	7	207	2.83	< 10	< 1	0.23	< 10
GC19-0133-004	157	< 0.2	< 0.5	49	1030	< 1	169	18	413	5.04	28	< 10	108	1.2	6	0.87	51	395	6.76	10	< 1	0.22	69
GC19-0165-010	86	0.5	< 0.5	67	309	3	14	3	47	1.90	15	< 10	23	< 0.5	5	0.63	7	155	3.20	< 10	< 1	0.21	15
GC19-0234-001	19	0.6	< 0.5	57	1540	< 1	172	< 2	120	3.92	32	< 10	20	< 0.5	3	5.69	46	284	8.74	10	< 1	0.29	< 10
GC19-0233-011	11	0.4	< 0.5	72	1330	< 1	67	< 2	173	3.74	10	< 10	32	< 0.5	3	5.70	33	85	9.83	10	3	0.17	< 10
GC19-0102-019	218	1.6	< 0.5	791	311	2	9	< 2	43	2.90	11	< 10	44	< 0.5	7	1.25	14	123	2.28	< 10	< 1	0.19	28
GC19-0103-015	40	0.4	< 0.5	46	439	2	12	19	85	2.68	3	14	51	< 0.5	2	1.40	6	103	3.43	< 10	< 1	0.22	12
GC19-0366-007	> 5000	2.8	< 0.5	194	217	< 1	5	< 2	25	1.19	13	< 10	21	< 0.5	< 2	0.52	4	91	3.01	< 10	< 1	0.27	11
GC19-0110-020	372	0.7	2.0	73	631	1	4	2	645	2.47	8	< 10	43	< 0.5	< 2	1.19	5	88	3.13	< 10	< 1	0.23	11
GC19-0276-001	3220	1.5	< 0.5	979	156	1	13	4	54	1.30	43	< 10	11	< 0.5	8	0.80	6	265	3.79	< 10	< 1	0.39	12
GC19-0110-012	186	1.4	0.8	36	479	< 1	14	10	282	1.68	31	< 10	26	< 0.5	2	1.29	7	97	2.26	< 10	< 1	0.35	13
GC19-0104-010	28	0.3	< 0.5	53	683	1	11	3	128	2.47	5	22	51	< 0.5	< 2	0.77	8	82	3.07	< 10	< 1	0.27	15
GC19-0096-001	58	0.3	0.9	92	655	< 1	16	< 2	495	2.96	8	29	58	0.6	< 2	1.29	8	163	3.14	< 10	< 1	0.48	12
GC19-0098-009	131	0.9	< 0.5	153	972	2	27	< 2	220	3.81	10	12	38	< 0.5	< 2	1.54	17	113	6.89	10	< 1	0.26	12
GC19-0097-013	45	< 0.2	< 0.5	33	449	< 1	12	< 2	54	2.26	7	< 10	49	< 0.5	3	1.09	5	74	3.09	< 10	< 1	0.21	15
GC19-0102-001	77	0.3	1.7	38	647	< 1	13	3	601	2.21	8	16	39	0.5	< 2	1.47	8	160	3.02	< 10	< 1	0.45	14
GC19-0087-002	36	< 0.2	< 0.5	44	830	< 1	26	< 2	75	2.02	7	< 10	143	0.6	< 2	2.43	14	158	3.60	< 10	< 1	0.45	82
GC19-0099-016	150	0.3	< 0.5	55	495	< 1	8	< 2	119	2.94	7	< 10	34	< 0.5	< 2	1.52	5	130	2.84	< 10	< 1	0.26	11
GC19-0272-001	248	< 0.2	< 0.5	41	322	2	15	< 2	47	2.82	8	< 10	43	< 0.5	< 2	0.93	6	151	2.72	< 10	< 1	0.27	15
GC19-0091-019FD	56	< 0.2	< 0.5	57	299	< 1	11	4	29	2.98	8	13	32	< 0.5	< 2	1.15	5	97	2.31	< 10	< 1	0.15	16
GC19-0878-005	< 5	< 0.2	< 0.5	16	383	1	15	< 2	54	1.21	3	< 10	132	< 0.5	< 2	1.91	9	183	2.15	< 10	< 1	0.68	19
GC19-0088-015	37	0.3	< 0.5	63	389	1	8	5	96	2.12	5	10	44	< 0.5	3	0.89	5	83	2.97	< 10	< 1	0.20	13
GC19-0085-012	21	0.3	< 0.5	3	414	2	10	4	62	2.59	7	16	48	< 0.5	12	1.16	5	65	3.50	< 10	< 1	0.28	15
GC19-0086-008	372	0.8	< 0.5	284	406	< 1	6	< 2	79	1.68	9	< 10	24	< 0.5	9	0.50	4	61	4.88	< 10	< 1	0.23	13
GC19-0072-010	28	0.5	< 0.5	9	350	< 1	8	7	40	1.95	32	< 10	22	< 0.5	6	1.62	7	68	2.70	< 10	< 1	0.29	15
GC19-0090-15	114	0.2	< 0.5	33	309	< 1	12	< 2	29	2.64	9	15	38	< 0.5	4	1.06	7	89	2.78	< 10	< 1	0.18	12
GC19-0096-019	88	0.3	< 0.5	164	300	1	9	3	31	2.62	11	16	31	< 0.5	2	1.03	9	98	2.66	< 10	< 1	0.19	12
1120006001	493	0.6	2.6	33	2080	< 1	15	82	645	0.86	45	< 10	36	< 0.5	< 2	2.63	7	175	1.83	< 10	< 1	0.30	< 10
1231011316	43	0.4	< 0.5	103	532	< 1	30	8	200	3.41	12	< 10	13	0.6	2	0.30	14	88	3.35	10	< 1	0.23	28
1228008050	22	< 0.2	< 0.5	24	435	< 1	9	5	149	3.05	8	< 10	52	< 0.5	< 2	1.72	8	93	2.09	< 10	< 1	0.18	18
1229008242	43	0.2	0.5	51	603	3	15	< 2	232	1.60	6	< 10	22	< 0.5	< 2	1.53	8	236	2.63	< 10	< 1	0.17	25

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-GRA
GC19-0138-011	0.67	0.044	0.045	1.04	3	< 1	46	< 0.01	< 1	< 2	< 10	5	< 10	2	2	0.85	0.98	
GC19-0140-021	0.82	0.133	0.041	1.67	3	< 1	128	< 0.01	< 1	< 2	< 10	11	< 10	2	7	0.14	1.63	
GC19-0140-004	0.30	0.101	0.043	0.92	< 2	< 1	82	< 0.01	< 1	3	< 10	4	< 10	2	1	0.48	0.87	
GC19-0150-002	0.88	0.047	0.044	1.50	< 2	< 1	37	< 0.01	< 1	< 2	< 10	9	< 10	1	6	0.05	1.45	
GC19-0139-015	0.61	0.037	0.044	1.77	2	< 1	46	< 0.01	< 1	4	< 10	5	< 10	3	3	1.17	1.61	
GC19-0143-006	0.64	0.025	0.045	2.42	3	< 1	18	< 0.01	1	4	< 10	5	< 10	2	12	0.07	2.29	
GC19-0152-012	0.72	0.139	0.040	0.86	< 2	< 1	154	< 0.01	< 1	< 2	< 10	9	< 10	2	2	0.08	0.80	
GC19-0160-013	0.89	0.028	0.036	3.54	3	< 1	14	< 0.01	< 1	< 2	< 10	7	< 10	2	16	0.09	3.26	
GC19-0121-001	2.20	0.058	0.121	2.32	3	7	47	< 0.01	1	3	< 10	60	< 10	4	3	0.07	2.32	
GC19-0227-001	3.55	0.169	0.044	1.04	6	18	100	0.03	< 1	2	< 10	298	< 10	9	5	2.68	1.09	
GC19-0142-018	1.08	0.124	0.050	1.41	< 2	1	129	0.03	< 1	3	< 10	19	< 10	3	4	0.13	1.31	
GC19-0149-010	0.57	0.143	0.048	3.05	4	< 1	109	< 0.01	< 1	< 2	< 10	5	< 10	2	7	0.35	2.86	
GC19-0151-001	0.38	0.073	0.048	0.78	2	< 1	63	< 0.01	< 1	3	< 10	9	< 10	1	2	0.06	0.75	
GC19-0198-001	0.84	0.091	0.039	2.13	< 2	2	38	< 0.01	< 1	3	< 10	15	< 10	3	19	0.18	1.62	
GC19-0235-015	2.99	0.073	0.072	0.69	4	22	29	0.15	7	< 2	< 10	274	< 10	14	5	1.37	0.71	
GC19-0237-003	3.20	0.268	0.035	0.17	< 2	11	79	0.12	< 1	2	< 10	135	< 10	6	3	2.08	0.15	
GC19-0238-007	3.37	0.414	0.035	0.64	5	10	110	0.13	< 1	3	< 10	132	< 10	7	3	3.08	0.63	
GC19-0118-009	0.77	0.058	0.036	1.39	< 2	< 1	38	0.04	5	< 2	< 10	9	< 10	3	8	0.12	1.30	
GC19-0209-001	1.42	0.063	0.052	2.98	3	1	22	< 0.01	< 1	< 2	< 10	11	< 10	3	22	0.05	2.68	
GC19-0120-008	1.60	0.039	0.037	0.77	< 2	1	56	< 0.01	7	< 2	< 10	15	< 10	1	5	0.49	0.73	
GC19-0107-002	1.16	0.108	0.080	1.71	3	3	84	0.06	< 1	< 2	< 10	34	< 10	3	4	0.25	1.59	
V838435	0.72	0.160	0.037	1.22	2	< 1	102	0.01	< 1	< 2	< 10	11	< 10	1	7	0.22	1.12	
GC19-0209-019	0.96	0.083	0.041	2.02	3	1	30	< 0.01	< 1	< 2	< 10	14	10	3	16	0.25	1.93	
GC19-0278-012	1.64	0.035	0.037	0.11	< 2	2	53	0.06	< 1	< 2	< 10	24	< 10	2	5	0.21	0.10	
GC19-0211-016	0.68	0.055	0.038	2.00	< 2	1	33	0.02	8	< 2	< 10	13	< 10	3	16	0.43	1.82	
GC19-0120-004	1.80	0.025	0.039	0.41	2	1	27	0.02	4	< 2	< 10	20	< 10	2	7	0.15	0.38	
GC19-0236-009	3.44	0.122	0.070	0.62	4	18	22	0.18	< 1	< 2	< 10	241	< 10	15	6	0.86	0.61	
GC19-0182-011	0.84	0.071	0.044	2.00	3	< 1	44	< 0.01	< 1	< 2	< 10	9	< 10	1	11	0.22	1.94	
GC19-0226-021	1.97	0.069	0.076	0.14	3	26	47	0.16	9	4	< 10	192	< 10	21	5	1.61	0.13	
GC19-0191-001	0.85	0.114	0.039	1.85	3	2	45	< 0.01	6	< 2	< 10	16	< 10	3	14	0.13	1.75	
GC19-0204-012	0.98	0.080	0.038	1.74	< 2	2	30	0.04	< 1	< 2	< 10	18	10	3	17	0.31	1.60	
GC19-0191-019	0.71	0.053	0.038	0.51	< 2	1	32	0.06	3	3	< 10	16	< 10	2	5	0.46	0.47	
GC19-0198-019FD	0.67	0.052	0.039	0.46	< 2	1	29	0.07	< 1	< 2	< 10	15	< 10	3	6	0.46	0.39	
GC19-0184-019FD	1.01	0.051	0.040	2.33	4	< 1	46	0.05	< 1	< 2	< 10	8	< 10	2	11	0.29	2.21	
GC19-0184-001	1.28	0.062	0.046	1.58	2	1	50	< 0.01	1	3	< 10	16	< 10	2	10	0.12	1.50	
GC19-0159-019FD	2.14	0.584	0.020	0.08	2	7	76	0.23	< 1	3	< 10	153	< 10	4	3	0.04	0.08	
GC19-0117-015	0.76	0.045	0.040	1.69	< 2	< 1	56	< 0.01	< 1	4	< 10	6	< 10	3	6	1.26	1.54	
GC19-0222-015	3.32	0.025	0.060	0.52	4	12	55	0.10	6	< 2	< 10	165	< 10	11	7	1.66	0.21	
GC19-0286-015	1.30	0.105	0.037	1.45	2	< 1	58	< 0.01	2	< 2	< 10	10	< 10	2	15	0.11	1.42	
GC19-0230-005	3.06	0.161	0.059	0.83	4	15	59	0.16	7	3	< 10	212	< 10	13	6	2.06	0.82	
GC19-0263-013	0.74	0.085	0.035	1.45	< 2	< 1	50	< 0.01	6	< 2	< 10	10	< 10	2	11	0.35	1.40	
GC19-0228-009	2.66	0.085	0.063	1.96	5	14	50	0.16	< 1	4	< 10	217	< 10	11	6	2.01	2.21	
GC19-0283-019	1.46	0.020	0.041	2.20	< 2	1	18	0.02	3	< 2	< 10	14	< 10	2	14	0.25	2.06	
GC19-0301-019	1.49	0.074	0.049	1.67	< 2	2	43	0.09	2	3	< 10	26	< 10	5	15	0.19	1.53	
GC19-0239-007	3.11	0.047	0.043	0.15	4	19	48	0.01	< 1	4	< 10	230	< 10	9	4	2.70	0.15	
GC19-0324-BK1	1.21	0.015	0.007	0.01	< 2	< 1	62	< 0.01	< 1	< 2	< 10	1	< 10	2	< 1	10.5	0.02	
GC19-0309-021	2.46	0.041	0.079	4.00	5	9	44	0.23	2	< 2	< 10	195	< 10	11	6	0.52	3.98	
GC19-0229-016	3.77	0.183	0.052	1.67	5	14	65	0.14	< 1	6	< 10	184	15	10	6	4.36	2.02	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-GRA
GC19-0183-014	1.17	0.038	0.038	2.09	4	< 1	46	< 0.01	< 1	4	< 10	8	< 10	1	6	0.94	1.87	
GC19-0185-003	0.89	0.138	0.039	1.91	< 2	2	56	0.02	< 1	< 2	< 10	17	< 10	3	15	0.35	1.90	
GC19-0187-019FD	0.74	0.086	0.040	2.25	< 2	2	34	< 0.01	6	3	< 10	15	34	3	20	0.34	2.16	
GC19-0291-001	0.85	0.152	0.035	1.07	2	1	150	0.01	< 1	< 2	< 10	13	< 10	2	10	0.13	0.96	
GC19-0208-006	1.38	0.132	0.037	2.18	4	2	61	0.10	3	< 2	< 10	18	< 10	2	16	0.80	2.03	
GC19-0129-008	0.54	0.041	0.043	2.91	8	< 1	35	< 0.01	3	4	< 10	5	< 10	2	11	0.71	2.56	
GC19-0133-004	5.92	0.022	0.340	0.36	5	19	206	0.04	< 1	< 2	< 10	188	< 10	16	3	< 0.01	0.34	
GC19-0165-010	1.47	0.125	0.042	2.28	< 2	< 1	49	< 0.01	< 1	< 2	< 10	13	< 10	2	20	0.14	2.12	
GC19-0234-001	3.53	0.217	0.052	2.33	5	12	123	0.11	2	5	< 10	174	< 10	9	6	2.51	2.38	
GC19-0233-011	2.33	0.035	0.066	1.19	7	14	86	0.03	< 1	< 2	< 10	196	< 10	11	6	2.07	1.23	
GC19-0102-019	0.96	0.188	0.037	0.89	2	1	107	< 0.01	3	< 2	< 10	15	< 10	3	6	0.10	0.82	
GC19-0103-015	1.33	0.114	0.034	1.05	< 2	1	91	0.01	< 1	< 2	< 10	14	< 10	1	7	0.22	0.97	
GC19-0366-007	0.58	0.028	0.033	1.95	3	< 1	15	0.04	< 1	< 2	< 10	7	< 10	2	15	0.08	1.89	11.6
GC19-0110-020	1.10	0.100	0.033	1.34	< 2	< 1	60	0.04	< 1	< 2	< 10	11	< 10	2	13	0.08	1.26	
GC19-0276-001	0.48	0.037	0.027	3.53	3	< 1	25	< 0.01	4	< 2	< 10	7	< 10	1	10	0.33	3.20	
GC19-0110-012	0.67	0.081	0.039	1.66	< 2	1	56	0.04	< 1	< 2	< 10	13	< 10	2	13	0.12	1.62	
GC19-0104-010	1.67	0.063	0.038	0.57	< 2	1	38	0.06	< 1	< 2	< 10	18	< 10	2	8	0.10	0.52	
GC19-0096-001	1.80	0.056	0.038	0.67	3	2	48	0.05	< 1	< 2	< 10	23	< 10	2	9	0.25	0.61	
GC19-0098-009	2.32	0.059	0.051	1.50	3	8	66	0.18	1	3	< 10	99	< 10	7	18	0.22	1.49	
GC19-0097-013	1.67	0.043	0.039	0.47	2	< 1	32	< 0.01	3	< 2	< 10	14	< 10	1	4	0.23	0.43	
GC19-0102-001	1.63	0.032	0.038	1.01	2	2	30	0.04	< 1	< 2	< 10	20	< 10	2	6	0.40	0.95	
GC19-0087-002	1.68	0.069	0.159	0.30	< 2	7	199	0.11	5	< 2	< 10	67	< 10	7	2	0.53	0.27	
GC19-0099-016	0.83	0.253	0.032	1.33	< 2	< 1	127	0.05	< 1	< 2	< 10	10	< 10	2	5	0.06	1.22	
GC19-0272-001	1.36	0.067	0.037	0.51	3	1	61	< 0.01	3	< 2	< 10	21	< 10	2	5	0.14	0.47	
GC19-0091-019FD	1.01	0.136	0.040	0.59	3	< 1	125	< 0.01	< 1	< 2	< 10	15	< 10	2	3	0.10	0.56	
GC19-0878-005	0.70	0.076	0.041	0.20	< 2	2	44	0.11	2	< 2	< 10	26	< 10	5	13	0.64	0.18	
GC19-0088-015	0.82	0.107	0.037	0.97	< 2	< 1	68	0.03	2	< 2	< 10	9	< 10	2	7	0.14	0.87	
GC19-0085-012	1.54	0.064	0.037	0.64	< 2	1	56	0.02	10	2	< 10	16	< 10	1	4	0.22	0.56	
GC19-0086-008	0.62	0.032	0.036	2.12	< 2	< 1	21	0.01	< 1	< 2	< 10	10	< 10	1	9	0.11	2.14	
GC19-0072-010	0.92	0.190	0.038	2.12	< 2	1	92	0.01	4	< 2	< 10	11	< 10	2	13	0.27	1.96	
GC19-0090-15	1.05	0.108	0.038	0.68	3	1	90	< 0.01	7	< 2	< 10	15	< 10	1	4	0.16	0.64	
GC19-0096-019	0.87	0.117	0.042	1.42	< 2	< 1	102	< 0.01	6	< 2	< 10	14	< 10	2	6	0.13	1.33	
1120006001	1.09	0.030	0.041	1.19	3	< 1	24	< 0.01	1	3	< 10	5	< 10	2	5	1.21	1.12	
1231011316	1.50	0.048	0.071	2.32	2	3	67	< 0.01	< 1	< 2	< 10	30	< 10	4	3	< 0.01	2.16	
1228008050	0.95	0.121	0.051	0.48	< 2	1	143	0.02	< 1	< 2	< 10	13	< 10	3	3	0.15	0.47	
1229008242	0.99	0.121	0.076	1.38	3	2	94	0.01	4	2	< 10	21	< 10	4	3	0.34	1.32	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.4	< 0.5	71	1040	1	26	96	124	6.41	238	< 10	934	0.9	< 2	0.14	11	81	5.82	20	< 1	1.18	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	75	1110	< 1	27	104	130	6.67	234	< 10	900	0.9	< 2	0.13	12	87	6.00	20	< 1	1.23	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
SGR-1b Meas																							
SGR-1b 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 922 (AQUA REGIA) Meas		1.4	< 0.5	2360	778	< 1	37	58	259	2.72	8		100	0.8	8	0.43	17	47	5.34	< 10		0.56	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2370	784	< 1	35	57	261	2.73	7		85	0.8	< 2	0.43	17	48	5.37	< 10		0.53	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.9	< 0.5	4580	877	< 1	36	88	337	2.78	11		59	0.7	11	0.44	20	44	6.08	< 10		0.47	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	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		11.4		> 10000				90	426						< 2		43						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.6		> 10000				92	430						< 2		45						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
OREAS 220 (Fire	840																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	873																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	868																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	868																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas		74.0	294	3770	550	14	28	> 5000	> 10000	1.71	79			0.6	< 2	1.76	29	36	3.56	10	4	0.42	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		71.6	291	3680	536	14	25	> 5000	> 10000	1.68	78			0.6	< 2	1.75	28	29	3.49	10	4	0.41	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
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	2950																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3050																						
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																							
GC19-0152-012 Orig		0.4	< 0.5	22	532	< 1	8	7	106	2.68	17	< 10	41	< 0.5	< 2	1.67	5	98	1.69	< 10	< 1	0.21	16

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC19-0152-012 Dup		0.5	< 0.5	24	532	< 1	8	9	104	2.69	11	< 10	41	< 0.5	< 2	1.69	5	99	1.68	< 10	< 1	0.21	16
GC19-0227-001 Orig	6																						
GC19-0227-001 Dup	6																						
GC19-0142-018 Orig		0.4	< 0.5	49	816	1	12	7	76	2.91	17	< 10	40	< 0.5	< 2	1.95	8	89	2.65	< 10	< 1	0.23	19
GC19-0142-018 Dup		0.4	< 0.5	51	811	1	12	5	75	2.92	17	< 10	45	< 0.5	< 2	1.94	8	87	2.62	< 10	< 1	0.23	20
GC19-0120-008 Orig	34																						
GC19-0120-008 Dup	30																						
GC19-0107-002 Orig		0.4	< 0.5	27	613	1	29	< 2	79	1.88	25	< 10	13	< 0.5	< 2	1.42	12	170	3.14	< 10	< 1	0.56	27
GC19-0107-002 Dup		0.4	< 0.5	27	609	2	27	4	82	1.87	23	< 10	13	< 0.5	< 2	1.43	12	176	3.14	< 10	< 1	0.56	28
GC19-0191-001 Orig	148																						
GC19-0191-001 Dup	116																						
GC19-0204-012 Orig																							
GC19-0204-012 Dup																							
GC19-0184-019FD Orig		2.5	4.6	57	837	< 1	13	23	1270	1.70	31	< 10	18	< 0.5	< 2	1.64	7	62	2.49	< 10	< 1	0.27	13
GC19-0184-019FD Dup		2.3	4.4	56	810	< 1	13	26	1260	1.66	34	< 10	23	< 0.5	< 2	1.60	7	62	2.47	< 10	< 1	0.26	12
GC19-0263-013 Orig																							
GC19-0263-013 Dup																							
GC19-0239-007 Orig	6																						
GC19-0239-007 Dup	6																						
GC19-0229-016 Orig		1.2	7.0	58	2810	< 1	46	6	1370	3.15	84	< 10	52	< 0.5	< 2	8.03	20	146	8.72	10	< 1	0.66	< 10
GC19-0229-016 Dup		1.1	6.6	58	2800	< 1	45	5	1330	3.13	77	< 10	52	< 0.5	< 2	8.00	19	143	8.69	< 10	< 1	0.66	< 10
GC19-0291-001 Orig																							
GC19-0291-001 Dup																							
GC19-0133-004 Orig	159																						
GC19-0133-004 Dup	154																						
GC19-0366-007 Orig																							
GC19-0366-007 Dup																							
GC19-0110-020 Orig																							
GC19-0110-020 Dup																							

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GC19-0104-010 Orig	28																						
GC19-0104-010 Dup	28																						
GC19-0099-016 Orig		0.3	< 0.5	54	501	< 1	7	2	118	2.94	5	< 10	38	< 0.5	2	1.52	6	128	2.85	< 10	< 1	0.26	11
GC19-0099-016 Dup		0.4	< 0.5	55	490	1	8	< 2	120	2.94	8	< 10	29	< 0.5	< 2	1.52	5	132	2.84	< 10	< 1	0.25	11
GC19-0091-019FD Orig																							
GC19-0091-019FD Dup																							
GC19-0096-019 Orig	79																						
GC19-0096-019 Dup	97																						
1228008050 Orig																							
1228008050 Dup																							
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							
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	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-GRA
GXR-6 Meas	0.41	0.074	0.034	0.01	4	18	30		< 1	3	< 10	174	< 10	5	9			
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	0.43	0.070	0.035	0.01	4	19	28		< 1	3	< 10	182	< 10	5	5			
GXR-6 Cert	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																	13.9	
BaSO4 Cert																	14.0	
BaSO4 Meas																	14.0	
BaSO4 Cert																	14.0	
BaSO4 Meas																	13.9	
BaSO4 Cert																	14.0	
BaSO4 Meas																	13.7	
BaSO4 Cert																	14.0	
SGR-1b Meas																27.4	1.53	
SGR-1b Cert																28	1.53	
SGR-1b Meas																27.7	1.54	
SGR-1b Cert																28	1.53	
SGR-1b Meas																27.6	1.54	
SGR-1b Cert																28	1.53	
SGR-1b Meas																27.5	1.58	
SGR-1b Cert																28	1.53	
GS311-4 Meas																1.12	0.52	
GS311-4 Cert																1.11	0.54	
GS311-4 Meas																1.10	0.52	
GS311-4 Cert																1.11	0.54	
GS311-4 Meas																1.12	0.50	
GS311-4 Cert																1.11	0.54	
GS311-4 Meas																1.13	0.53	
GS311-4 Cert																1.11	0.54	
OREAS 922 (AQUA REGIA) Meas	1.40	0.028	0.063	0.38	< 2	4	17			< 2	< 10	39	< 10	22	17			
OREAS 922 (AQUA REGIA) Cert	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	1.41	0.029	0.063	0.38	2	4	17			< 2	< 10	38	< 10	22	11			
OREAS 922 (AQUA REGIA) Cert	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	1.54		0.061	0.70	3	4	15			< 2	< 10	38	< 10	21	20			
OREAS 923 (AQUA REGIA) Cert	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				4.20	5													
Oreas 96 (Aqua Regia) Cert				4.38	4.53													
Oreas 96 (Aqua Regia) Meas				4.24	6													
Oreas 96 (Aqua Regia) Cert				4.38	4.53													

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-GRA
OREAS 220 (Fire Assay) Meas																		
OREAS 220 (Fire Assay) Cert																		
OREAS 220 (Fire Assay) Meas																		
OREAS 220 (Fire Assay) Cert																		
OREAS 220 (Fire Assay) Meas																		
OREAS 220 (Fire Assay) Cert																		
OREAS 220 (Fire Assay) Meas																		
OREAS 220 (Fire Assay) Cert																		
OREAS 229 (Fire Assay) Meas																		12.1
OREAS 229 (Fire Assay) Cert																		12.1
Oreas 621 (Aqua Regia) Meas	0.46	0.176	0.032	4.95	100	3	19			< 2	< 10	14	< 10	8	46			
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	0.45	0.171	0.032	4.77	101	3	20			< 2	< 10	14	< 10	8	45			
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0			
OREAS 229b (Fire Assay) Meas																		12.2
OREAS 229b (Fire Assay) Cert																		11.9
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																0.04	0.30	
GS316-3 Cert																0.0600	0.340	
GS316-3 Meas																0.04	0.32	
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	0.31	
GS316-3 Cert																0.0600	0.340	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-GRA
GC19-0152-012 Orig	0.73	0.139	0.040	0.86	< 2	< 1	153	< 0.01	1	2	< 10	9	< 10	2	2			
GC19-0152-012 Dup	0.72	0.138	0.040	0.85	< 2	< 1	155	< 0.01	< 1	< 2	< 10	9	< 10	2	2			
GC19-0227-001 Orig																2.68	1.10	
GC19-0227-001 Dup																2.67	1.08	
GC19-0142-018 Orig	1.07	0.122	0.050	1.39	< 2	1	128	0.03	< 1	3	< 10	19	< 10	3	3			
GC19-0142-018 Dup	1.08	0.126	0.050	1.42	< 2	1	129	0.03	< 1	3	< 10	19	< 10	3	4			
GC19-0120-008 Orig																0.49	0.73	
GC19-0120-008 Dup																0.48	0.73	
GC19-0107-002 Orig	1.15	0.108	0.080	1.71	3	3	84	0.06	< 1	< 2	< 10	34	< 10	3	4			
GC19-0107-002 Dup	1.17	0.109	0.079	1.72	4	3	83	0.06	< 1	< 2	< 10	34	< 10	3	4			
GC19-0191-001 Orig																		
GC19-0191-001 Dup																		
GC19-0204-012 Orig																0.32	1.62	
GC19-0204-012 Dup																0.31	1.58	
GC19-0184-019FD Orig	1.02	0.053	0.040	2.36	6	< 1	46	0.06	< 1	< 2	< 10	8	< 10	2	7			
GC19-0184-019FD Dup	1.00	0.050	0.039	2.30	3	< 1	46	0.05	< 1	< 2	< 10	8	< 10	2	15			
GC19-0263-013 Orig																0.35	1.41	
GC19-0263-013 Dup																0.35	1.40	
GC19-0239-007 Orig																		
GC19-0239-007 Dup																		
GC19-0229-016 Orig	3.81	0.183	0.052	1.61	6	14	63	0.13	< 1	10	< 10	184	14	10	6			
GC19-0229-016 Dup	3.73	0.183	0.052	1.72	5	14	66	0.15	1	3	< 10	184	16	10	6			
GC19-0291-001 Orig																0.14	0.97	
GC19-0291-001 Dup																0.12	0.96	
GC19-0133-004 Orig																		
GC19-0133-004 Dup																		
GC19-0366-007 Orig																		11.3
GC19-0366-007 Dup																		11.9
GC19-0110-020 Orig																0.09	1.24	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	C-Total	Total S	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.01	0.01	0.02
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-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	FA-GRA
GC19-0110-020 Dup																0.08	1.28	
GC19-0104-010 Orig																		
GC19-0104-010 Dup																		
GC19-0099-016 Orig	0.82	0.252	0.033	1.33	< 2	< 1	127	0.05	< 1	< 2	< 10	10	< 10	2	7			
GC19-0099-016 Dup	0.83	0.253	0.032	1.33	3	< 1	127	0.05	< 1	< 2	< 10	10	< 10	2	4			
GC19-0091-019FD Orig																0.10	0.56	
GC19-0091-019FD Dup																0.10	0.55	
GC19-0096-019 Orig																		
GC19-0096-019 Dup																		
1228008050 Orig																0.15	0.46	
1228008050 Dup																0.14	0.47	
Method Blank																		
Method Blank																		
Method Blank																		
Method Blank																		
Method Blank																		
Method Blank																		< 0.02
Method Blank																		< 0.02
Method Blank																		
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1			

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-17243**
Report Date:	**23-Jan-20**
Date Submitted:	**17-Dec-19**
Your Reference:	**2019 November Check Assays**

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

ATTN: Jason Pattison

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)	2019-12-23 07:19:26
1E3-Tbay NewGold	QOP AquaGeo (Aqua Regia ICPOES)	2020-01-08 21:35:14

REPORT **A19-17243**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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
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Report No.:	**A19-17243**
Report Date:	**23-Jan-20**
Date Submitted:	**17-Dec-19**
Your Reference:	**2019 November Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

140 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2020-01-08 17:26:30
4F-C, S	Infrared	2020-01-09 18:07:38

REPORT **A19-17243**

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Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229044154	53.4	6.49	-46.9	59.7	0.109	8.21	149	1.8	< 0.5	196	440	1	16	3	112	2.02	28	< 10	34	< 0.5	9	0.23	9
1229044048	15.2	22.6	7.43	24.5	0.923	8.94	516	0.4	0.9	42	797	1	16	5	272	2.62	22	< 10	75	< 0.5	< 2	1.58	11
1230056001	38.8	13.9	-25.0	44.7	0.310	8.67	141	0.6	0.6	36	437	1	18	13	247	2.70	15	< 10	38	< 0.5	3	1.34	9
1334002087	121	48.6	-72.0	151	0.323	8.62	1370	4.1	2.6	191	982	< 1	84	30	546	2.72	259	< 10	19	< 0.5	< 2	2.44	39
1229044124	21.9	16.6	-5.24	30.6	0.543	8.50	157	0.9	0.6	186	736	< 1	19	< 2	157	2.24	10	< 10	58	< 0.5	< 2	1.29	7
1229044045	12.8	26.3	13.5	26.0	1.01	8.40	170	< 0.2	< 0.5	22	662	< 1	14	3	91	2.12	13	< 10	63	< 0.5	< 2	1.58	8
1229044097	40.5	15.0	-25.5	49.3	0.304	8.52	117	0.7	< 0.5	128	612	5	20	3	73	1.94	10	< 10	31	< 0.5	< 2	1.21	8
1335002065	5.62	50.1	44.5	9.80	5.12	9.14	7	< 0.2	< 0.5	18	674	< 1	35	21	103	3.14	8	< 10	96	< 0.5	< 2	3.10	10
1229045064	21.9	14.3	-7.53	28.5	0.503	8.64	186	0.9	< 0.5	67	424	1	22	3	101	2.12	16	< 10	44	< 0.5	2	0.82	7
1229044035	11.4	29.4	17.9	22.0	1.33	8.70	83	< 0.2	< 0.5	19	662	< 1	18	2	67	2.55	24	< 10	70	< 0.5	< 2	1.99	8
1335002037	8.64	25.6	17.0	11.9	2.14	9.35	6	< 0.2	0.6	9	551	2	22	10	220	1.88	8	< 10	81	< 0.5	< 2	1.65	6
1334002187	98.5	81.3	-17.1	131	0.622	8.75	245	1.7	1.2	503	2060	< 1	15	18	756	3.92	32	< 10	23	< 0.5	< 2	3.84	28
1334002036	3.12	23.5	20.4	3.06	7.67	9.35	6	< 0.2	< 0.5	30	367	< 1	28	< 2	39	1.25	3	< 10	44	< 0.5	< 2	1.66	11
1334002068	31.6	130	98.7	61.9	2.11	8.59	111	1.4	0.6	97	1250	< 1	128	< 2	247	3.70	13	< 10	32	< 0.5	< 2	5.41	44
1334002014	12.7	20.9	8.25	16.5	1.27	8.85	44	0.4	< 0.5	33	451	< 1	36	2	74	1.47	7	< 10	45	< 0.5	< 2	1.40	13
1335002098	8.54	18.8	10.3	11.6	1.62	9.12	10	0.3	< 0.5	26	592	1	23	5	154	1.51	5	< 10	85	< 0.5	< 2	1.19	8
1335002038	8.85	28.0	19.1	12.9	2.18	9.45	9	0.3	1.5	21	548	< 1	21	28	332	1.51	4	< 10	85	< 0.5	< 2	1.38	7
v845117							766	3.3	< 0.5	33	265	19	11	18	45	1.14	2	< 10	65	< 0.5	< 2	2.10	9
1230056263	32.3	17.1	-15.2	37.1	0.461	8.83	98	1.1	< 0.5	27	855	< 1	19	29	216	2.07	35	< 10	48	< 0.5	< 2	0.88	9
1230056065	41.3	48.6	7.22	53.9	0.901	8.78	130	3.0	0.6	47	1230	1	21	23	230	1.52	68	< 10	25	< 0.5	< 2	2.30	10
1230056194	27.0	30.2	3.27	44.4	0.681	8.27	107	0.8	< 0.5	30	679	1	53	18	113	3.15	26	< 10	36	< 0.5	3	2.65	13
1229044193	33.8	11.0	-22.9	38.9	0.282	8.82	148	1.9	< 0.5	494	450	13	21	3	83	2.67	11	< 10	46	< 0.5	8	0.80	8
1228021114	70.6	4.74	-65.9	78.1	0.0607	7.82	196	1.0	0.5	178	261	1	22	< 2	195	1.59	7	< 10	20	< 0.5	11	0.45	6
1230056306	23.6	8.00	-15.6	28.8	0.278	8.68	35	0.3	0.8	21	649	< 1	19	18	301	2.18	20	< 10	50	0.6	< 2	0.79	10
1229044141	28.2	22.2	-6.03	33.1	0.671	8.93	68	< 0.2	< 0.5	40	279	1	21	9	72	3.22	8	< 10	42	< 0.5	2	1.39	8
1228021158	48.8	40.8	-8.06	60.6	0.672	8.94	230	0.8	< 0.5	63	455	< 1	50	4	104	2.26	33	< 10	40	< 0.5	< 2	1.71	11
1229044030	35.3	17.1	-18.2	42.0	0.408	9.00	1330	1.0	1.3	161	700	< 1	21	5	343	2.44	15	< 10	39	< 0.5	5	1.20	9
1228021308	45.6	33.2	-12.4	55.7	0.596	8.78	82	0.6	2.1	67	633	< 1	16	2	570	2.17	32	< 10	31	< 0.5	< 2	1.52	9
1229044211	29.9	11.0	-18.9	34.0	0.322	8.85	39	0.4	< 0.5	62	342	1	13	4	125	2.92	12	< 10	44	< 0.5	3	1.00	7
1229044116	24.3	17.8	-6.51	28.5	0.623	8.97	204	0.5	0.5	41	739	< 1	15	6	237	2.17	13	< 10	55	< 0.5	< 2	0.98	7
1230056135	8.95	11.4	2.42	15.3	0.742	8.74	20	0.7	< 0.5	22	389	< 1	17	12	172	2.50	10	< 10	72	< 0.5	< 2	1.70	9
1229044202	47.0	13.2	-33.7	53.3	0.248	8.78	54	0.4	< 0.5	38	294	1	17	10	93	2.52	14	< 10	35	< 0.5	3	0.94	9
1228021006	67.6	19.2	-48.4	78.7	0.243	8.72	338	1.0	1.6	129	247	1	11	8	446	1.67	11	< 10	19	< 0.5	10	0.83	8
1229044080	54.3	18.4	-35.8	61.9	0.298	8.76	806	1.4	1.6	159	537	< 1	18	4	447	1.92	24	< 10	32	< 0.5	6	0.81	7
1230056011	28.9	13.6	-15.2	34.0	0.400	8.63	64	0.9	1.2	35	1050	< 1	19	62	349	2.22	29	< 10	42	< 0.5	< 2	0.92	9
1229044205	55.7	18.0	-37.8	62.8	0.286	8.71	134	1.8	< 0.5	261	255	< 1	35	3	58	1.99	20	< 10	35	< 0.5	15	1.04	10
1230056008	16.5	14.7	-1.81	22.7	0.651	8.44	61	0.8	0.6	40	546	< 1	27	20	196	1.84	16	< 10	49	< 0.5	< 2	1.16	9
1230056256	25.4	17.2	-8.20	33.7	0.511	8.33	64	0.7	< 0.5	25	714	< 1	17	25	134	2.46	28	< 10	41	< 0.5	< 2	1.57	8
1334002020	3.75	8.62	4.87	3.67	2.35	8.65	9	< 0.2	< 0.5	28	293	< 1	22	3	59	0.99	6	< 10	38	< 0.5	< 2	0.85	10
v845118							1580	10.0	< 0.5	52	339	19	14	7	53	1.42	< 2	< 10	84	< 0.5	< 2	1.16	13
1228019401	52.2	26.9	-25.2	60.3	0.446	8.94	148	1.3	1.9	59	1380	< 1	13	125	501	1.96	36	< 10	29	< 0.5	< 2	1.19	9
1228019719	29.6	47.8	18.2	37.7	1.27	8.92	118	0.7	0.9	36	1270	1	13	62	270	1.90	42	< 10	42	< 0.5	2	1.64	8
1230054191	12.9	37.8	24.9	17.8	2.13	9.36	38	0.2	0.6	39	539	< 1	20	6	220	1.50	2	< 10	69	< 0.5	3	1.71	9
1230054175	75.0	51.9	-23.1	88.2	0.589	8.86	139	1.3	4.9	184	674	< 1	33	3	1230	1.85	23	< 10	20	< 0.5	3	2.04	20
1230055040	52.7	15.6	-37.1	59.7	0.261	8.87	341	1.8	< 0.5	285	561	2	16	5	99	2.13	11	< 10	21	< 0.5	4	1.23	7
1230055186	54.6	23.9	-30.7	61.3	0.390	8.88	355	2.3	< 0.5	357	585	< 1	15	22	102	1.87	12	< 10	18	< 0.5	3	1.45	7
1230055106	55.0	21.8	-33.1	62.5	0.350	8.80	281	2.7	< 0.5	98	606	3	17	7	65	1.91	11	< 10	19	< 0.5	5	1.53	8
1230055007	28.8	11.2	-17.6	35.2	0.318	9.01	183	0.7	2.1	48	675	1	17	6	567	2.37	14	< 10	36	< 0.5	< 2	0.88	9
1230055011	35.1	13.0	-22.1	42.6	0.305	8.62	186	2.1	1.1	266	554	1	15	2	313	2.55	17	< 10	38	< 0.5	6	1.33	9

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1230043042	49.0	10.5	-38.5	54.2	0.194	8.66	> 5000	1.1	< 0.5	469	276	< 1	9	3	37	2.02	12	< 10	28	< 0.5	9	0.72	4
1229043201	40.7	13.7	-27.0	45.9	0.299	8.80	522	1.1	< 0.5	431	301	1	11	6	41	2.01	18	10	28	< 0.5	5	0.88	7
1229043031	20.0	19.7	-0.270	23.9	0.826	8.86	215	0.4	< 0.5	153	283	2	12	31	47	2.50	13	12	46	< 0.5	2	1.04	8
1229043132	35.3	22.0	-13.4	41.3	0.531	8.91	774	0.7	< 0.5	232	324	< 1	11	< 2	33	2.95	17	17	43	0.7	4	1.09	12
1229043190	27.0	28.7	1.72	31.2	0.919	8.73	368	0.6	1.2	182	413	< 1	16	48	92	2.57	15	21	40	< 0.5	3	1.49	7
1229043133	25.6	20.6	-5.00	29.7	0.694	8.80	241	0.7	< 0.5	288	333	< 1	11	< 2	46	2.39	10	13	42	0.6	2	1.05	9
1229043143	29.4	25.5	-3.83	33.4	0.765	8.85	822	0.5	< 0.5	129	318	< 1	12	7	61	2.31	19	13	45	< 0.5	5	1.27	5
1230055008	29.8	12.6	-17.2	34.0	0.371	8.83	211	0.5	2.8	44	591	< 1	15	37	757	2.03	18	< 10	48	< 0.5	< 2	1.08	8
1230055200	30.6	22.0	-8.58	35.8	0.615	9.01	133	0.8	3.3	54	722	2	18	4	915	2.26	18	< 10	43	< 0.5	< 2	1.42	8
1229043178	24.5	27.1	2.67	28.2	0.963	8.91	578	0.5	< 0.5	141	354	2	10	5	61	2.55	15	14	51	< 0.5	< 2	1.48	7
1229043100	12.7	11.0	-1.79	57.3	0.191	8.90	1380	1.2	< 0.5	478	356	4	10	6	53	2.47	12	< 10	27	< 0.5	37	0.84	5
v845119							1160	4.3	< 0.5	23	148	7	7	< 2	26	0.62	< 2	< 10	27	< 0.5	< 2	0.66	5
1228020435	24.4	57.6	33.3	42.9	1.34	8.47	150	1.5	3.2	36	793	1	19	60	764	1.14	59	< 10	29	< 0.5	< 2	2.52	7
1334002104	11.2	114	103	19.9	5.72	8.68	57	0.6	< 0.5	63	1250	< 1	147	9	195	5.51	15	< 10	69	< 0.5	< 2	4.96	35
1228020434	20.8	24.7	3.85	30.3	0.813	8.32	105	0.5	0.5	28	437	1	23	7	132	1.79	84	< 10	40	< 0.5	< 2	1.23	8
1229043353	63.6	15.9	-47.7	72.3	0.220	8.79	1480	1.2	0.7	221	576	< 1	23	5	236	2.11	21	< 10	18	< 0.5	4	0.83	13
1229043104	19.3	15.1	-4.14	25.1	0.602	8.47	101	0.9	< 0.5	246	374	19	16	13	125	2.63	8	< 10	85	< 0.5	< 2	1.11	6
1229043221	51.0	1.88	-49.2	58.2	0.0322	8.79	231	0.7	< 0.5	147	252	< 1	13	5	73	2.01	19	< 10	23	< 0.5	4	0.55	8
1228020388	72.2	-9.00	-81.2	88.5	-0.102	7.97	588	6.2	47.2	245	285	1	21	33	> 10000	1.06	120	< 10	13	< 0.5	2	0.70	8
1229043368	46.7	20.7	-26.0	54.2	0.382	8.47	419	0.4	< 0.5	43	678	< 1	23	10	185	2.56	16	< 10	29	< 0.5	< 2	1.36	9
1228021010	40.6	19.7	-20.9	54.8	0.359	8.57	2070	2.8	0.9	362	252	< 1	12	14	322	1.34	8	< 10	20	< 0.5	13	1.27	3
1230056016	22.9	-1.75	-24.7	27.9	-0.0628	8.88	223	2.1	2.3	59	598	< 1	24	23	604	2.07	20	< 10	64	< 0.5	< 2	1.29	9
1228021003	56.5	16.7	-39.8	69.2	0.241	8.34	74	0.7	0.6	65	305	< 1	15	12	202	1.43	5	< 10	25	< 0.5	8	1.16	5
1228021024	3.75	-2.00	-5.75	3.67	-0.543	8.94	6	< 0.2	< 0.5	118	480	< 1	46	< 2	59	4.94	3	< 10	21	< 0.5	< 2	3.91	21
1228021091	0.930	-0.370	-1.31	4.29	-0.0871	9.08	25	< 0.2	< 0.5	145	492	< 1	54	< 2	46	5.04	3	< 10	20	< 0.5	< 2	3.90	21
1230056121	31.7	17.6	-14.1	49.9	0.352	8.04	148	2.9	1.0	55	896	< 1	26	95	424	2.10	40	< 10	37	< 0.5	2	1.75	8
1230056050	33.9	31.0	-2.94	55.4	0.559	8.17	126	5.9	2.1	78	1180	2	28	107	540	1.82	43	< 10	34	< 0.5	< 2	2.12	8
1230056108	50.3	30.5	-19.8	63.1	0.483	8.79	71	1.1	< 0.5	25	1050	1	16	21	93	1.62	50	< 10	25	< 0.5	< 2	1.89	8
1228021098	31.2	34.2	3.01	47.2	0.726	8.77	74	0.5	< 0.5	124	466	< 1	61	4	91	2.30	16	< 10	46	< 0.5	< 2	1.82	13
1230056167	7.18	-0.250	-7.43	14.1	-0.0177	8.69	23	< 0.2	< 0.5	24	444	1	16	33	103	3.19	10	< 10	67	< 0.5	< 2	1.90	7
1228021100	30.6	11.4	-19.3	35.2	0.322	8.99	57	0.4	< 0.5	87	357	< 1	28	< 2	49	2.89	8	< 10	65	< 0.5	< 2	1.77	12
1228021190	40.4	7.11	-33.3	46.5	0.153	8.23	150	0.4	< 0.5	69	384	1	19	< 2	154	1.80	9	< 10	37	< 0.5	< 2	0.80	8
1228021186	57.6	1.74	-55.8	64.3	0.0271	7.58	140	0.7	< 0.5	149	204	< 1	17	3	148	1.56	9	< 10	26	< 0.5	< 2	0.73	4
1228021017	3.12	4.12	1.00	3.06	1.35	9.33	6	< 0.2	< 0.5	118	460	< 1	53	3	47	4.80	5	< 10	50	< 0.5	< 2	3.84	20
v845120							123	1.6	< 0.5	58	348	4	13	8	67	1.47	< 2	< 10	85	< 0.5	< 2	1.20	13
1334002029	2.89	110	107	18.7	5.90	8.64	31	0.5	< 0.5	74	1020	< 1	116	< 2	151	4.95	15	< 10	22	< 0.5	4	5.54	34
1335002187	10.0	16.4	6.36	9.80	1.67	9.44	7	< 0.2	< 0.5	17	511	< 1	29	10	144	2.28	7	< 10	70	< 0.5	< 2	1.56	9
1335002095	7.91	33.7	25.8	11.3	2.97	9.65	< 5	< 0.2	0.6	15	458	< 1	33	8	234	1.52	4	< 10	116	< 0.5	< 2	1.55	7
1229044005	16.0	23.4	7.41	24.8	0.945	8.35	73	< 0.2	< 0.5	89	586	3	19	< 2	104	1.50	10	< 10	60	< 0.5	< 2	1.20	9
1229045109	26.9	17.0	-9.88	30.3	0.560	9.21	76	0.3	< 0.5	53	316	< 1	13	5	114	1.63	10	< 10	52	< 0.5	< 2	0.97	5
1229045024	29.7	16.4	-13.2	36.8	0.447	8.74	32	0.4	< 0.5	45	463	2	30	9	122	2.16	12	< 10	46	< 0.5	< 2	0.94	7
1229045085	38.3	9.47	-28.9	43.8	0.216	8.58	107	1.0	< 0.5	128	343	2	24	36	141	2.28	11	< 10	41	< 0.5	< 2	0.80	6
1229045192	40.8	18.3	-22.6	45.6	0.400	9.13	90	0.4	< 0.5	93	375	2	19	14	126	2.37	8	< 10	49	< 0.5	< 2	1.06	7
1229045082	38.0	27.5	-10.5	47.5	0.579	8.71	25	1.0	< 0.5	100	416	3	23	10	118	2.45	10	< 10	41	< 0.5	2	1.81	5
1335002242	6.24	39.0	32.8	10.1	3.86	8.89	17	0.5	< 0.5	23	374	< 1	27	6	87	1.57	7	< 10	73	< 0.5	< 2	1.83	9
1229045171	29.8	12.6	-17.2	33.4	0.376	9.19	79	0.5	< 0.5	66	462	1	19	3	67	2.31	8	< 10	50	< 0.5	< 2	1.00	7
1229045207	49.5	17.8	-31.6	54.8	0.325	8.98	83	0.9	< 0.5	156	336	3	16	< 2	134	2.75	14	< 10	42	< 0.5	< 2	1.65	6
1335002092	9.16	14.7	5.52	12.3	1.20	9.60	9	0.3	0.8	14	503	< 1	18	10	254	2.71	7	< 10	90	< 0.5	< 2	1.79	6
1229048154	17.3	54.0	36.7	22.4	2.41	9.48	18	0.4	< 0.5	35	794	4	26	20	162	2.24	23	< 10	75	0.5	< 2	2.72	17

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229045134	56.3	18.0	-38.3	64.0	0.281	8.62	29	1.0	< 0.5	155	324	4	13	2	135	2.40	15	< 10	30	< 0.5	< 2	1.67	8
1229045129	42.2	4.62	-37.6	49.0	0.0943	8.15	98	0.9	< 0.5	105	343	3	15	3	187	2.56	20	< 10	34	< 0.5	< 2	0.51	7
1229048143	22.6	26.0	3.35	26.3	0.985	9.32	110	0.6	< 0.5	51	650	1	19	34	142	1.88	15	< 10	62	< 0.5	< 2	1.40	7
1229045050	25.0	7.34	-17.6	29.7	0.247	8.82	86	< 0.2	< 0.5	59	303	1	14	< 2	74	3.03	8	< 10	60	< 0.5	< 2	1.33	6
1229045146	41.0	17.7	-23.4	48.1	0.368	8.83	70	0.5	< 0.5	149	303	5	14	2	49	3.00	8	< 10	46	< 0.5	2	1.80	6
1229048326	38.6	21.2	-17.5	47.8	0.443	8.58	189	0.3	1.4	33	624	1	19	9	510	2.46	18	< 10	34	< 0.5	< 2	1.68	9
1334002069	23.9	125	101	33.1	3.78	9.05	73	1.0	< 0.5	68	1120	< 1	104	24	244	4.71	17	< 10	51	< 0.5	< 2	4.55	30
v845121							973	2.4	< 0.5	59	402	11	17	7	57	1.48	< 2	< 10	86	< 0.5	< 2	1.38	15
1230054021	28.0	12.6	-15.4	31.9	0.396	9.39	117	1.1	< 0.5	20	715	< 1	16	11	64	2.46	27	< 10	65	< 0.5	< 2	1.21	9
1228020033	48.6	10.5	-38.2	52.7	0.199	9.05	82	1.3	< 0.5	20	488	1	14	21	79	2.22	16	< 10	35	< 0.5	< 2	1.25	9
1228020176	68.4	4.36	-64.1	74.4	0.0586	8.42	297	2.5	7.1	121	651	< 1	16	75	1640	2.06	67	< 10	20	< 0.5	< 2	0.54	10
1228020259	49.0	3.36	-45.6	52.4	0.0642	8.25	569	3.6	1.3	31	629	< 1	10	44	439	1.81	64	< 10	25	< 0.5	< 2	0.33	8
1230054019	39.0	15.2	-23.8	43.5	0.350	9.33	686	0.6	0.9	94	644	< 1	15	4	279	1.91	18	< 10	33	< 0.5	< 2	0.94	10
1228020181	38.1	34.4	-3.70	42.9	0.803	9.10	112	1.8	0.8	23	1110	< 1	11	49	224	2.34	31	< 10	49	< 0.5	< 2	2.47	6
1228020285	58.7	3.11	-55.6	63.7	0.0489	8.04	1210	1.4	7.9	75	248	< 1	14	33	2010	1.24	99	< 10	29	< 0.5	< 2	0.16	8
1230055001	17.4	15.8	-1.64	20.2	0.779	9.78	54	< 0.2	< 0.5	16	670	1	19	< 2	92	1.78	9	< 10	109	< 0.5	< 2	1.04	7
1228020321	33.7	17.2	-16.5	41.3	0.416	8.30	451	1.0	2.5	49	601	< 1	15	69	611	1.78	78	< 10	48	< 0.5	< 2	0.89	8
1230055031	23.2	27.1	3.88	27.3	0.994	9.62	124	0.2	< 0.5	18	678	< 1	15	2	93	1.47	8	< 10	72	< 0.5	< 2	1.34	17
1228020229	44.2	6.37	-37.8	48.4	0.132	8.33	351	1.0	1.6	38	898	< 1	17	44	424	2.26	60	< 10	33	< 0.5	< 2	0.76	9
1230055003	33.1	12.0	-21.1	38.3	0.313	9.27	162	0.8	< 0.5	164	623	< 1	13	4	79	2.45	12	< 10	41	< 0.5	< 2	1.13	7
1228020415	57.4	11.0	-46.4	64.3	0.171	8.25	1130	2.1	9.7	95	171	2	25	22	2880	1.01	89	< 10	30	< 0.5	< 2	0.56	7
1228020334	85.2	2.87	-82.3	92.8	0.0309	7.38	1960	2.1	14.7	336	327	< 1	18	47	3910	1.30	124	< 10	13	< 0.5	2	0.17	10
1228020366	22.8	1.12	-21.7	22.4	0.0502	6.17	17	< 0.2	< 0.5	9	156	< 1	33	< 2	102	0.80	11	< 10	29	< 0.5	< 2	0.11	8
1228020309	39.0	16.1	-23.0	45.3	0.355	8.59	437	0.6	5.0	42	883	< 1	16	27	1190	2.17	81	< 10	32	< 0.5	< 2	0.96	9
1228020430	78.2	17.8	-60.4	88.2	0.202	8.12	4460	0.6	16.5	45	913	< 1	15	47	4040	1.52	47	< 10	14	< 0.5	< 2	1.15	9
1228020125	68.6	4.24	-64.4	75.0	0.0565	8.25	4250	6.6	4.3	107	434	< 1	14	432	1120	1.38	79	< 10	19	< 0.5	< 2	0.44	9
v845122							272	2.9	< 0.5	60	436	< 1	18	10	66	1.56	2	< 10	97	< 0.5	2	1.62	16
1229043251	31.2	19.3	-11.9	36.1	0.534	8.80	264	0.8	< 0.5	149	364	1	14	15	62	2.21	13	14	43	< 0.5	3	1.34	8
1229043172	42.9	16.9	-26.0	49.3	0.342	9.00	916	1.0	0.5	409	446	5	16	< 2	185	3.02	15	< 10	34	< 0.5	3	1.44	9
1230055182	44.4	44.4	0.0600	52.7	0.843	9.09	125	0.8	< 0.5	71	599	2	15	15	104	2.05	10	< 10	30	< 0.5	2	2.47	7
1229043311	56.0	7.62	-48.4	62.2	0.123	9.00	72	0.5	< 0.5	27	212	1	15	60	73	2.35	9	< 10	25	< 0.5	5	0.97	8
1229043292	27.0	22.3	-4.71	31.2	0.713	8.99	253	0.6	< 0.5	134	347	1	20	7	103	2.01	16	15	40	< 0.5	2	1.25	8
1228020114	55.3	29.5	-25.8	62.8	0.469	8.77	317	7.0	1.8	70	890	1	12	269	534	1.72	44	< 10	23	< 0.5	< 2	1.52	8
1229043294	24.8	30.7	5.92	29.7	1.03	9.02	312	0.6	< 0.5	203	268	4	17	21	92	1.74	10	22	41	< 0.5	< 2	1.59	6
1229043323	47.3	13.5	-33.8	52.4	0.257	9.10	172	0.7	< 0.5	39	251	< 1	16	6	74	2.03	15	< 10	24	< 0.5	5	0.99	8
1228020167	46.3	6.12	-40.2	50.8	0.120	8.29	183	0.9	2.1	50	861	< 1	15	52	559	2.12	39	11	25	< 0.5	< 2	0.79	9
1230055171	31.1	18.0	-13.2	36.4	0.493	8.92	112	0.5	0.8	37	650	1	16	3	228	2.20	11	< 10	30	< 0.5	< 2	1.35	7
1228020076	52.0	39.7	-12.3	58.2	0.682	8.99	378	5.8	< 0.5	56	1270	< 1	14	55	117	2.11	30	< 10	24	< 0.5	< 2	2.32	8
1228020026	53.4	19.3	-34.1	61.9	0.312	8.66	32	0.6	0.5	20	219	1	15	23	222	2.25	27	< 10	22	< 0.5	< 2	1.87	9
1229043337	45.1	16.5	-28.6	49.6	0.332	9.22	1620	2.7	< 0.5	46	373	1	15	6	134	2.24	18	< 10	33	< 0.5	10	0.78	9
1229043367	38.0	11.7	-26.3	41.7	0.282	9.28	435	3.0	< 0.5	26	328	< 1	13	6	120	1.99	19	< 10	45	< 0.5	6	0.61	6
1228020019	30.3	9.98	-20.3	34.3	0.291	9.06	17	0.4	< 0.5	15	190	2	13	24	100	1.94	16	< 10	38	< 0.5	< 2	1.16	10

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
1229044154	156	3.78	< 10	< 1	0.33	14	1.69	0.044	0.042	2.09	< 2	1	16	< 0.01	10	< 2	< 10	15	< 10	3	16	0.11	1.95
1229044048	163	2.51	< 10	< 1	0.65	15	1.44	0.224	0.041	0.81	10	2	111	0.06	< 1	< 2	< 10	24	< 10	3	11	0.28	0.80
1230056001	189	2.52	< 10	< 1	0.31	17	1.01	0.105	0.045	1.41	2	1	129	0.01	< 1	< 2	< 10	16	< 10	2	12	0.23	1.46
1334002087	212	8.02	< 10	< 1	0.38	< 10	1.50	0.130	0.051	4.82	12	10	39	0.13	9	< 2	< 10	130	< 10	12	9	0.84	4.92
1229044124	215	2.76	10	< 1	0.32	15	1.40	0.147	0.042	1.02	< 2	2	63	0.05	5	< 2	< 10	21	< 10	3	11	0.26	1.00
1229044045	166	2.42	< 10	< 1	0.42	14	1.32	0.139	0.042	0.87	< 2	1	43	0.05	< 1	< 2	< 10	19	< 10	3	10	0.42	0.85
1229044097	250	2.66	< 10	< 1	0.30	16	1.00	0.185	0.047	1.61	< 2	1	67	0.02	< 1	< 2	< 10	18	< 10	3	14	0.22	1.61
1335002065	373	2.69	< 10	< 1	0.48	17	1.24	0.330	0.045	0.33	4	3	192	0.10	< 1	< 2	< 10	41	< 10	3	7	0.69	0.32
1229045064	359	2.82	< 10	< 1	0.21	12	1.75	0.061	0.035	0.97	3	1	40	0.01	< 1	< 2	< 10	15	< 10	2	9	0.37	0.93
1229044035	195	2.26	< 10	< 1	0.50	15	1.26	0.236	0.039	0.68	3	2	95	0.05	< 1	< 2	< 10	21	< 10	3	9	0.38	0.72
1335002037	331	2.13	< 10	< 1	0.44	17	1.18	0.127	0.041	0.41	4	2	53	0.08	< 1	< 2	< 10	28	< 10	3	11	0.35	0.39
1334002187	85	11.3	20	3	0.43	< 10	2.21	0.242	0.091	3.97	7	17	66	0.18	1	< 2	< 10	150	< 10	16	10	1.55	4.27
1334002036	223	2.44	< 10	< 1	0.16	11	0.91	0.090	0.042	0.10	< 2	5	52	0.17	5	< 2	< 10	55	< 10	6	8	0.34	0.10
1334002068	204	8.91	10	< 1	0.20	< 10	3.20	0.223	0.036	1.95	< 2	10	82	0.11	< 1	< 2	< 10	159	< 10	7	6	2.35	2.02
1334002014	309	3.14	< 10	< 1	0.16	< 10	0.95	0.104	0.035	0.55	4	6	51	0.13	< 1	< 2	< 10	68	< 10	7	10	0.29	0.54
1335002098	312	2.15	< 10	< 1	0.39	15	0.82	0.117	0.039	0.39	2	3	45	0.10	1	< 2	< 10	30	< 10	3	12	0.24	0.38
1335002038	316	2.19	< 10	< 1	0.48	18	1.05	0.092	0.045	0.42	3	3	33	0.09	< 1	< 2	< 10	30	< 10	4	11	0.32	0.42
v845117	11	3.21	< 10	< 1	0.26	18	0.45	0.163	0.045	0.04	< 2	3	50	0.30	6	< 2	< 10	62	< 10	19	15	0.40	0.04
1230056263	238	2.52	< 10	< 1	0.39	16	1.36	0.027	0.042	1.25	3	1	19	0.02	1	< 2	< 10	13	< 10	3	7	0.20	1.21
1230056065	145	2.45	< 10	< 1	0.41	20	0.99	0.061	0.050	1.83	< 2	1	41	0.01	< 1	< 2	< 10	15	< 10	3	8	0.68	1.76
1230056194	419	3.15	< 10	< 1	0.39	21	1.34	0.171	0.056	1.60	3	3	104	0.04	< 1	< 2	< 10	32	< 10	3	7	0.59	1.45
1229044193	210	3.61	< 10	< 1	0.37	15	1.22	0.093	0.039	1.35	< 2	2	104	0.01	3	< 2	< 10	18	< 10	3	15	0.12	1.27
1228021114	433	3.59	< 10	< 1	0.35	15	0.86	0.086	0.039	2.67	5	< 1	39	< 0.01	1	< 2	< 10	10	< 10	2	16	0.38	2.55
1230056306	129	2.26	< 10	< 1	0.57	23	1.44	0.042	0.053	0.92	3	2	39	0.04	< 1	< 2	< 10	27	< 10	3	7	0.10	0.94
1229044141	228	2.39	< 10	< 1	0.30	13	1.50	0.255	0.037	1.16	5	1	216	< 0.01	< 1	< 2	< 10	14	< 10	2	9	0.13	1.08
1228021158	176	3.27	< 10	< 1	0.40	20	2.44	0.036	0.082	2.04	3	2	29	0.01	10	< 2	< 10	21	< 10	3	7	0.48	1.98
1229044030	254	3.22	< 10	< 1	0.45	15	1.43	0.184	0.042	1.43	3	2	89	0.05	< 1	< 2	< 10	28	< 10	4	13	0.25	1.37
1228021308	153	2.94	< 10	< 1	0.32	11	1.81	0.076	0.033	1.87	< 2	1	24	0.01	1	< 2	< 10	17	< 10	2	11	0.42	1.82
1229044211	148	2.61	< 10	< 1	0.33	11	1.45	0.142	0.031	1.13	3	< 1	125	< 0.01	< 1	< 2	< 10	12	< 10	2	11	0.13	1.11
1229044116	191	2.76	< 10	< 1	0.30	15	1.59	0.107	0.042	0.95	3	1	45	0.02	< 1	3	< 10	18	< 10	3	10	0.28	0.93
1230056135	201	2.04	< 10	< 1	0.34	22	0.72	0.252	0.044	0.50	< 2	1	217	0.08	< 1	< 2	< 10	20	< 10	2	4	0.18	0.50
1229044202	200	2.91	< 10	< 1	0.33	12	1.35	0.119	0.032	1.73	2	< 1	105	< 0.01	< 1	< 2	< 10	11	< 10	2	16	0.15	1.74
1228021006	140	3.14	< 10	< 1	0.48	16	0.96	0.053	0.038	2.54	< 2	< 1	40	< 0.01	1	< 2	< 10	10	< 10	2	15	0.26	2.57
1229044080	233	3.47	< 10	< 1	0.34	13	1.50	0.069	0.040	2.10	4	1	37	< 0.01	1	< 2	< 10	15	< 10	3	18	0.27	2.02
1230056011	156	2.62	< 10	< 1	0.39	17	1.34	0.055	0.056	1.18	3	2	42	0.04	9	< 2	< 10	23	< 10	3	6	0.19	1.11
1229044205	357	3.40	< 10	< 1	0.31	16	1.38	0.070	0.050	2.11	4	1	50	< 0.01	< 1	< 2	< 10	13	< 10	2	15	0.31	2.05
1230056008	385	2.57	< 10	< 1	0.27	20	0.92	0.099	0.048	0.79	3	2	94	0.07	< 1	< 2	< 10	32	< 10	4	7	0.25	0.74
1230056256	189	2.29	< 10	< 1	0.49	16	1.13	0.071	0.041	1.18	3	1	41	0.03	< 1	< 2	< 10	15	< 10	2	9	0.31	1.10
1334002020	163	2.09	< 10	< 1	0.11	< 10	0.65	0.057	0.031	0.13	< 2	4	37	0.12	4	< 2	< 10	49	< 10	5	8	0.11	0.12
v845118	12	3.53	< 10	< 1	0.23	11	0.54	0.235	0.055	0.06	< 2	4	37	0.46	9	< 2	< 10	97	< 10	17	15	0.02	0.07
1228019401	72	2.61	< 10	< 1	0.33	15	1.31	0.089	0.056	2.00	< 2	< 1	38	< 0.01	3	< 2	< 10	11	< 10	2	11	0.48	1.97
1228019719	88	2.16	< 10	< 1	0.39	17	1.30	0.102	0.040	1.32	< 2	< 1	54	< 0.01	< 1	< 2	< 10	10	< 10	2	9	0.71	1.23
1230054191	314	2.48	10	< 1	0.27	15	1.04	0.096	0.043	0.54	< 2	3	33	0.04	< 1	< 2	< 10	32	< 10	4	7	0.48	0.58
1230054175	195	5.15	< 10	< 1	0.30	10	1.42	0.065	0.049	2.84	< 2	7	27	0.10	7	< 2	< 10	89	< 10	9	16	0.56	2.88
1230055040	224	2.84	< 10	< 1	0.40	16	0.84	0.198	0.044	2.06	3	1	94	0.02	< 1	< 2	< 10	16	< 10	3	15	0.21	1.95
1230055186	174	2.86	< 10	< 1	0.44	19	0.84	0.135	0.045	2.19	3	1	66	0.02	< 1	< 2	< 10	12	< 10	2	15	0.30	2.00
1230055106	266	2.88	< 10	< 1	0.44	16	0.76	0.189	0.046	2.21	4	1	114	0.04	3	< 2	< 10	17	< 10	3	17	0.33	2.04
1230055007	144	2.61	< 10	< 1	0.37	15	1.28	0.171	0.040	1.21	2	1	79	0.01	< 1	< 2	< 10	17	< 10	3	11	0.16	1.15
1230055011	178	2.62	< 10	< 1	0.38	15	1.08	0.247	0.041	1.45	2	1	95	0.03	< 1	< 2	< 10	19	< 10	3	11	0.17	1.39
1230043042	160	3.59	< 10	< 1	0.39	12	0.70	0.061	0.033	1.90	3	< 1	39	0.03	4	< 2	< 10	9	< 10	2	16	0.09	1.77
1229043201	191	2.69	< 10	< 1	0.37	11	0.79	0.104	0.035	1.65	4	< 1	63	< 0.01	4	< 2	< 10	11	< 10	2	8	0.15	1.50

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
1229043031	132	2.33	< 10	< 1	0.35	< 10	1.03	0.075	0.035	0.80	4	1	77	< 0.01	< 1	< 2	< 10	16	< 10	1	7	0.17	0.78
1229043132	176	3.49	< 10	< 1	0.56	12	1.06	0.072	0.031	1.27	5	1	63	< 0.01	4	< 2	< 10	17	< 10	1	10	0.19	1.35
1229043190	247	3.13	< 10	< 1	0.33	25	1.11	0.100	0.034	1.06	3	1	62	< 0.01	< 1	< 2	< 10	14	< 10	2	9	0.32	1.02
1229043133	122	3.21	< 10	< 1	0.36	12	1.05	0.053	0.034	0.97	3	< 1	52	< 0.01	2	< 2	< 10	14	< 10	1	8	0.20	0.97
1229043143	148	3.11	< 10	< 1	0.39	19	1.03	0.053	0.035	1.17	3	1	44	< 0.01	< 1	< 2	< 10	14	< 10	2	7	0.25	1.09
1230055008	224	2.12	< 10	< 1	0.36	14	0.89	0.160	0.036	1.09	2	1	64	0.03	4	< 2	< 10	13	< 10	3	11	0.29	1.11
1230055200	243	2.43	< 10	< 1	0.37	14	0.86	0.189	0.038	1.21	< 2	1	79	0.03	< 1	< 2	< 10	14	< 10	2	10	0.34	1.17
1229043178	111	2.49	< 10	< 1	0.43	10	1.10	0.073	0.037	0.93	< 2	1	68	0.01	5	< 2	< 10	16	< 10	2	8	0.26	0.92
1229043100	139	3.92	< 10	1	0.39	11	0.84	0.098	0.032	1.96	3	< 1	85	0.03	3	< 2	< 10	12	< 10	2	16	0.13	1.87
v845119	9	1.61	< 10	< 1	0.09	< 10	0.13	0.147	0.030	0.02	< 2	1	23	0.30	2	< 2	< 10	39	< 10	9	17	0.04	0.02
1228020435	318	1.80	< 10	< 1	0.48	11	0.49	0.046	0.040	1.57	6	< 1	39	< 0.01	< 1	< 2	< 10	7	< 10	2	7	0.87	1.40
1334002104	180	7.76	10	2	0.57	< 10	3.35	0.433	0.033	0.61	5	10	136	0.14	< 1	< 2	< 10	142	< 10	6	4	1.78	0.65
1228020434	327	1.62	< 10	< 1	0.33	13	0.57	0.064	0.036	1.05	5	< 1	63	< 0.01	< 1	< 2	< 10	9	< 10	1	8	0.51	0.99
1229043353	164	3.43	< 10	< 1	0.39	13	1.35	0.124	0.045	2.32	2	2	51	0.02	3	< 2	< 10	28	< 10	4	18	0.14	2.36
1229043104	228	2.17	< 10	< 1	0.42	13	0.94	0.117	0.035	0.79	< 2	1	124	0.02	< 1	< 2	< 10	14	< 10	2	13	0.27	0.82
1229043221	132	2.77	< 10	< 1	0.37	13	1.43	0.077	0.037	1.94	< 2	< 1	52	< 0.01	2	< 2	< 10	12	< 10	2	14	0.15	1.90
1228020388	216	2.32	< 10	3	0.42	13	0.23	0.052	0.038	2.82	14	< 1	38	< 0.01	8	< 2	< 10	7	< 10	1	14	0.38	2.89
1229043368	316	3.07	< 10	< 1	0.34	12	1.31	0.237	0.038	1.73	4	1	95	0.03	< 1	< 2	< 10	19	< 10	3	14	0.24	1.77
1228021010	236	2.60	< 10	< 1	0.48	20	0.57	0.054	0.043	1.84	2	< 1	48	< 0.01	4	< 2	< 10	7	< 10	2	11	0.57	1.79
1230056016	295	2.55	< 10	< 1	0.38	17	0.94	0.106	0.048	0.93	3	2	87	0.06	< 1	< 2	< 10	29	< 10	3	7	0.28	0.91
1228021003	285	3.03	< 10	< 1	0.38	20	0.87	0.066	0.044	2.32	< 2	< 1	62	< 0.01	5	< 2	< 10	9	< 10	2	18	0.48	2.26
1228021024	199	4.60	< 10	< 1	0.06	< 10	1.69	0.607	0.019	0.11	2	6	67	0.22	< 1	< 2	< 10	134	< 10	4	4	0.14	0.12
1228021091	322	5.07	< 10	< 1	0.06	< 10	1.67	0.605	0.020	0.13	3	6	64	0.23	< 1	< 2	< 10	137	< 10	4	3	0.18	0.14
1230056121	474	2.56	< 10	< 1	0.40	15	0.90	0.218	0.042	1.66	5	1	75	0.03	3	< 2	< 10	16	< 10	2	14	0.63	1.63
1230056050	439	2.57	< 10	< 1	0.44	17	0.96	0.115	0.045	1.87	5	1	53	0.03	1	< 2	< 10	14	< 10	2	13	0.83	1.81
1230056108	224	2.37	< 10	< 1	0.45	15	0.99	0.116	0.044	2.15	3	1	46	0.01	< 1	< 2	< 10	13	< 10	2	13	0.53	2.06
1228021098	190	3.14	< 10	< 1	0.49	20	2.18	0.052	0.075	1.53	3	2	28	0.05	5	< 2	< 10	23	< 10	3	6	0.53	1.54
1230056167	196	2.03	< 10	< 1	0.30	11	0.75	0.244	0.032	0.44	4	1	138	0.03	1	< 2	< 10	18	< 10	2	6	0.21	0.46
1228021100	161	3.17	< 10	< 1	0.35	< 10	1.54	0.213	0.027	1.08	2	3	37	0.07	2	< 2	< 10	48	< 10	2	11	0.19	1.15
1228021190	346	2.75	< 10	< 1	0.20	18	1.18	0.124	0.046	1.59	4	1	69	< 0.01	< 1	< 2	< 10	15	< 10	2	15	0.27	1.52
1228021186	352	2.39	< 10	< 1	0.34	13	0.72	0.137	0.035	1.92	3	< 1	52	0.02	< 1	< 2	< 10	8	< 10	2	16	0.38	2.10
1228021017	156	4.55	< 10	< 1	0.06	< 10	1.80	0.562	0.018	0.09	2	6	65	0.22	6	< 2	< 10	135	< 10	4	3	0.05	0.10
v845120	12	3.29	< 10	< 1	0.23	11	0.55	0.241	0.056	0.06	< 2	4	38	0.47	7	< 2	< 10	99	< 10	17	17	0.02	0.07
1334002029	139	8.03	10	< 1	0.11	< 10	2.79	0.347	0.033	0.61	2	7	94	0.03	4	2	< 10	121	< 10	4	5	1.74	0.61
1335002187	260	2.65	< 10	< 1	0.32	20	1.00	0.146	0.051	0.34	3	2	69	0.11	5	< 2	< 10	31	< 10	3	5	0.18	0.32
1335002095	237	2.19	< 10	< 1	0.55	19	1.04	0.100	0.045	0.36	2	3	35	0.09	< 1	< 2	< 10	30	< 10	4	12	0.41	0.37
1229044005	274	2.36	< 10	< 1	0.25	16	1.02	0.086	0.042	0.86	4	1	35	0.02	< 1	< 2	< 10	14	< 10	3	9	0.42	0.81
1229045109	221	2.20	< 10	< 1	0.16	16	1.06	0.102	0.037	1.01	2	1	66	< 0.01	< 1	< 2	< 10	13	< 10	2	12	0.18	0.99
1229045024	589	2.74	< 10	< 1	0.23	13	1.69	0.136	0.033	1.28	6	1	48	< 0.01	3	< 2	< 10	14	< 10	2	12	0.62	1.20
1229045085	448	2.84	< 10	< 1	0.28	12	1.58	0.106	0.035	1.53	4	< 1	43	0.01	< 1	< 2	< 10	11	< 10	2	13	0.53	1.43
1229045192	257	3.00	< 10	< 1	0.28	12	1.61	0.142	0.035	1.46	3	1	96	0.01	7	< 2	< 10	14	< 10	2	17	0.18	1.49
1229045082	449	2.64	< 10	< 1	0.34	11	1.31	0.153	0.032	1.53	6	< 1	61	< 0.01	< 1	< 2	< 10	11	< 10	2	13	0.51	1.55
1335002242	322	2.37	< 10	< 1	0.30	16	1.05	0.096	0.048	0.32	3	4	63	0.10	2	< 2	< 10	44	< 10	5	9	0.57	0.33
1229045171	334	2.13	< 10	< 1	0.25	16	1.15	0.181	0.037	1.03	4	1	74	< 0.01	2	< 2	< 10	13	< 10	2	7	0.24	1.09
1229045207	238	2.76	< 10	< 1	0.39	14	1.26	0.165	0.036	1.86	2	1	90	0.03	< 1	< 2	< 10	14	< 10	2	16	0.24	1.79
1335002092	256	2.01	10	< 1	0.59	13	1.00	0.251	0.036	0.40	< 2	1	86	0.08	8	< 2	< 10	20	< 10	2	9	0.19	0.40
1229048154	147	3.91	< 10	< 1	0.63	68	1.83	0.081	0.186	0.71	3	7	177	0.15	2	< 2	< 10	78	< 10	7	6	0.56	0.73
1229045134	171	2.77	< 10	< 1	0.33	14	1.21	0.144	0.037	2.09	< 2	< 1	68	0.02	4	< 2	< 10	12	< 10	2	16	0.24	2.09
1229045129	157	2.88	< 10	< 1	0.28	13	2.25	0.080	0.036	1.60	2	< 1	28	< 0.01	4	< 2	< 10	12	< 10	2	13	0.21	1.60
1229048143	320	2.19	< 10	< 1	0.31	15	0.94	0.147	0.039	0.85	2	1	63	0.01	5	< 2	< 10	17	< 10	2	8	0.37	0.86
1229045050	206	2.09	< 10	< 1	0.35	12	1.48	0.227	0.035	0.96	2	< 1	104	0.02	1	< 2	< 10	12	< 10	2	11	0.17	0.97

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
1229045146	234	2.63	< 10	< 1	0.34	11	1.33	0.269	0.031	1.65	4	< 1	139	0.01	< 1	< 2	< 10	11	< 10	2	16	0.27	1.57
1229048326	246	2.81	< 10	< 1	0.45	18	1.16	0.132	0.046	1.53	3	2	71	0.04	< 1	< 2	< 10	22	< 10	2	14	0.32	1.56
1334002069	126	6.96	10	< 1	0.34	< 10	2.75	0.367	0.032	0.99	4	8	105	0.13	< 1	< 2	< 10	124	< 10	6	5	1.63	1.08
v845121	11	4.13	< 10	< 1	0.31	12	0.69	0.180	0.069	0.07	< 2	6	34	0.46	2	2	< 10	122	< 10	18	21	0.04	0.08
1230054021	92	2.43	< 10	< 1	0.47	14	1.21	0.235	0.040	1.06	< 2	1	64	0.05	< 1	< 2	< 10	21	< 10	3	13	0.19	1.04
1228020033	160	1.84	< 10	< 1	0.36	18	0.45	0.209	0.043	1.76	< 2	< 1	151	< 0.01	< 1	< 2	< 10	10	< 10	2	12	0.13	1.72
1228020176	54	2.65	< 10	< 1	0.37	14	0.83	0.051	0.040	2.36	3	< 1	36	< 0.01	< 1	< 2	< 10	11	< 10	1	12	0.05	2.43
1228020259	40	1.90	< 10	< 1	0.48	14	0.76	0.043	0.041	1.69	3	1	33	< 0.01	< 1	< 2	< 10	9	< 10	2	10	0.09	1.71
1230054019	123	2.72	< 10	< 1	0.37	17	1.23	0.112	0.041	1.44	< 2	1	43	0.03	2	< 2	< 10	19	< 10	3	14	0.17	1.42
1228020181	138	1.58	< 10	< 1	0.41	15	0.46	0.159	0.042	1.51	< 2	< 1	107	< 0.01	< 1	< 2	< 10	8	< 10	2	4	0.55	1.40
1228020285	80	2.23	< 10	< 1	0.41	13	0.62	0.038	0.039	2.03	6	< 1	23	< 0.01	< 1	< 2	< 10	8	< 10	2	14	0.09	2.08
1230055001	167	2.35	< 10	< 1	0.64	14	1.11	0.141	0.039	0.65	3	2	74	0.10	< 1	< 2	< 10	27	< 10	3	16	0.16	0.66
1228020321	126	2.26	< 10	< 1	0.38	14	0.91	0.054	0.043	1.40	< 2	< 1	44	< 0.01	< 1	< 2	< 10	10	< 10	2	10	0.34	1.35
1230055031	218	2.30	< 10	< 1	0.56	14	0.97	0.091	0.038	0.91	2	2	37	0.08	< 1	< 2	< 10	24	53	3	18	0.33	0.89
1228020229	81	2.23	< 10	< 1	0.40	13	0.85	0.050	0.044	1.62	< 2	1	35	< 0.01	< 1	< 2	< 10	12	< 10	2	8	0.20	1.58
1230055003	120	2.75	< 10	< 1	0.47	14	1.28	0.176	0.038	1.24	< 2	1	84	0.05	< 1	< 2	< 10	19	< 10	3	13	0.14	1.25
1228020415	499	2.48	< 10	< 1	0.26	< 10	0.23	0.031	0.046	2.12	9	< 1	20	< 0.01	2	< 2	< 10	8	< 10	1	15	0.32	2.10
1228020334	144	3.25	< 10	< 1	0.36	16	0.67	0.038	0.043	3.04	3	< 1	20	< 0.01	10	< 2	< 10	8	< 10	2	13	0.13	3.03
1228020366	694	1.50	< 10	< 1	0.07	< 10	0.10	0.024	0.035	0.68	4	1	10	< 0.01	2	< 2	< 10	8	< 10	1	16	0.20	0.73
1228020309	118	2.61	< 10	< 1	0.39	14	1.05	0.059	0.043	1.58	3	1	55	< 0.01	< 1	< 2	< 10	12	< 10	2	8	0.38	1.48
1228020430	112	2.86	< 10	< 1	0.43	14	0.34	0.059	0.040	3.24	2	< 1	73	< 0.01	< 1	< 2	< 10	7	< 10	1	17	0.49	2.88
1228020125	103	2.32	< 10	< 1	0.48	15	0.43	0.046	0.041	2.33	2	< 1	30	< 0.01	2	< 2	< 10	9	< 10	2	15	0.12	2.45
v845122	12	3.84	< 10	< 1	0.44	31	0.79	0.181	0.084	0.08	< 2	6	53	0.45	11	< 2	< 10	122	< 10	24	10	0.11	0.08
1229043251	176	2.23	< 10	< 1	0.42	19	0.90	0.179	0.035	1.16	2	1	95	< 0.01	2	< 2	< 10	15	< 10	2	7	0.21	1.18
1229043172	132	3.21	< 10	< 1	0.39	14	1.28	0.149	0.038	1.59	2	2	147	0.02	2	< 2	< 10	26	< 10	3	13	0.19	1.61
1230055182	266	2.38	< 10	< 1	0.32	16	0.67	0.238	0.041	1.78	3	< 1	143	0.01	< 1	< 2	< 10	12	< 10	2	9	0.66	1.72
1229043311	177	2.23	< 10	< 1	0.29	17	1.09	0.181	0.046	1.91	< 2	1	122	0.02	1	< 2	< 10	17	< 10	2	15	0.10	2.03
1229043292	249	2.15	< 10	< 1	0.40	17	1.01	0.116	0.036	1.01	3	1	65	< 0.01	< 1	< 2	< 10	15	< 10	2	8	0.27	1.02
1228020114	87	1.90	< 10	< 1	0.42	17	0.53	0.083	0.043	1.96	3	< 1	65	< 0.01	4	< 2	< 10	8	< 10	2	13	0.41	2.05
1229043294	253	1.99	< 10	< 1	0.36	17	0.77	0.099	0.033	0.96	3	1	81	< 0.01	< 1	< 2	< 10	15	< 10	2	6	0.43	0.97
1229043323	169	2.28	< 10	< 1	0.32	13	1.04	0.119	0.036	1.63	2	1	72	0.01	< 1	< 2	< 10	12	< 10	2	15	0.13	1.71
1228020167	102	2.20	< 10	< 1	0.35	12	1.03	0.033	0.047	1.64	< 2	< 1	43	0.02	< 1	< 2	< 10	10	< 10	1	8	0.08	1.66
1230055171	241	2.19	< 10	< 1	0.30	18	0.97	0.196	0.039	1.16	2	< 1	83	< 0.01	< 1	< 2	< 10	13	< 10	2	8	0.30	1.19
1228020076	118	1.94	< 10	< 1	0.40	17	0.53	0.163	0.042	1.96	3	< 1	110	< 0.01	3	< 2	< 10	8	< 10	2	8	0.53	1.90
1228020026	185	2.06	< 10	< 1	0.31	15	0.12	0.299	0.039	2.06	3	< 1	354	< 0.01	< 1	< 2	< 10	9	< 10	3	12	0.27	2.02
1229043337	146	3.39	< 10	< 1	0.53	12	1.74	0.027	0.036	1.63	4	1	26	0.02	2	< 2	< 10	19	< 10	2	10	0.18	1.62
1229043367	153	2.79	< 10	< 1	0.46	11	1.55	0.027	0.031	1.28	< 2	1	22	0.01	4	< 2	< 10	14	< 10	1	10	0.14	1.36
1228020019	169	1.27	< 10	< 1	0.32	15	0.13	0.201	0.040	1.10	2	1	246	< 0.01	< 1	< 2	< 10	10	< 10	2	9	0.17	1.12

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229044154	
1229044048	
1230056001	
1334002087	
1229044124	
1229044045	
1229044097	
1335002065	
1229045064	
1229044035	
1335002037	
1334002187	
1334002036	
1334002068	
1334002014	
1335002098	
1335002038	
v845117	
1230056263	
1230056065	
1230056194	
1229044193	
1228021114	
1230056306	
1229044141	
1228021158	
1229044030	
1228021308	
1229044211	
1229044116	
1230056135	
1229044202	
1228021006	
1229044080	
1230056011	
1229044205	
1230056008	
1230056256	
1334002020	
v845118	
1228019401	
1228019719	
1230054191	
1230054175	
1230055040	
1230055186	
1230055106	
1230055007	
1230055011	
1230043042	9.24

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229043201	
1229043031	
1229043132	
1229043190	
1229043133	
1229043143	
1230055008	
1230055200	
1229043178	
1229043100	
v845119	
1228020435	
1334002104	
1228020434	
1229043353	
1229043104	
1229043221	
1228020388	
1229043368	
1228021010	
1230056016	
1228021003	
1228021024	
1228021091	
1230056121	
1230056050	
1230056108	
1228021098	
1230056167	
1228021100	
1228021190	
1228021186	
1228021017	
v845120	
1334002029	
1335002187	
1335002095	
1229044005	
1229045109	
1229045024	
1229045085	
1229045192	
1229045082	
1335002242	
1229045171	
1229045207	
1335002092	
1229048154	
1229045134	
1229045129	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229048143	
1229045050	
1229045146	
1229048326	
1334002069	
v845121	
1230054021	
1228020033	
1228020176	
1228020259	
1230054019	
1228020181	
1228020285	
1230055001	
1228020321	
1230055031	
1228020229	
1230055003	
1228020415	
1228020334	
1228020366	
1228020309	
1228020430	
1228020125	
v845122	
1229043251	
1229043172	
1230055182	
1229043311	
1229043292	
1228020114	
1229043294	
1229043323	
1228020167	
1230055171	
1228020076	
1228020026	
1229043337	
1229043367	
1228020019	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas								0.3	< 0.5	74	1050	1	23	94	126	6.48	248	< 10	737	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	73	1030	1	25	94	125	6.38	245	< 10	721	0.8	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	68	1030	< 1	23	96	123	6.02	246	< 10	731	0.8	< 2	0.12	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	13.8
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
BaSO4 Cert																							
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BaSO4 Meas																							
BaSO4 Cert																							
SGR-1b Meas																							
SGR-1b Cert																							
SGR-1b Meas																							
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SGR-1b Meas																							
SGR-1b Cert																							
GS311-4 Meas																							
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GS311-4 Cert																							
GS311-4 Meas																							
GS311-4 Cert																							
NBM-1 (slight fzz)		44.2				8.64																	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.5				8.18																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.4																					
NBM-1 (slight fzz) Cert		46.6																					
OREAS 922 (AQUA REGIA) Meas								0.9	< 0.5	2330	737	< 1	34	56	249	2.62	8		82	0.8	5	0.42	17
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								0.9	< 0.5	2320	723	< 1	32	58	245	2.57	11		76	0.7	< 2	0.40	17
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								0.9	< 0.5	2340	774	< 1	37	57	266	2.70	7		88	0.8	2	0.44	18
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	4540	848	< 1	35	85	333	2.72	11		63	0.7	4	0.42	19
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								1.7	< 0.5	4560	856	< 1	35	81	341	2.67	8		54	0.7	< 2	0.41	20
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	4480	876	< 1	34	90	340	2.63	5		67	0.7	11	0.43	20
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								10.9		> 10000				84	415						< 2		42
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.2		> 10000				88	425						< 2		43
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								10.7		> 10000				88	424						< 2		41
Oreas 96 (Aqua								11.50		39100.				100	448						27.9		49.2

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert										00													
OREAS 218 Meas							554																
OREAS 218 Cert							531																
OREAS 218 Meas							557																
OREAS 218 Cert							531																
OREAS 218 Meas							551																
OREAS 218 Cert							531																
OREAS 218 Meas							555																
OREAS 218 Cert							531																
OREAS 218 Meas							547																
OREAS 218 Cert							531																
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas								73.6	296	3850	552	13	26	> 5000	> 10000	1.67	83			0.6	< 2	1.77	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								68.9	274	3590	519	13	23	> 5000	> 10000	1.56	80			0.6	< 2	1.67	28
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								68.8	273	3580	522	13	28	> 5000	> 10000	1.58	77			0.6	< 2	1.68	28
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas							3120																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3140																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3060																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3090																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3160																
OREAS 238 (Fire Assay) Cert							3030																
GS316-3 Meas																							
GS316-3 Cert																							
GS316-3 Meas																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GS316-3 Cert																							
GS316-3 Meas																							
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GS316-3 Cert																							
GS316-3 Meas																							
GS316-3 Cert																							
1229044035 Orig							84																
1229044035 Dup							83																
1334002036 Orig								< 0.2	< 0.5	30	364	< 1	30	< 2	39	1.26	4	< 10	43	< 0.5	< 2	1.65	11
1334002036 Dup								< 0.2	< 0.5	29	370	< 1	27	2	40	1.24	3	< 10	45	< 0.5	< 2	1.66	11
1230056065 Orig							136																
1230056065 Dup							125																
1229044030 Orig								1.1	1.3	166	710	< 1	21	6	350	2.47	15	< 10	36	< 0.5	5	1.21	9
1229044030 Dup								1.0	1.2	157	690	< 1	20	4	335	2.41	15	< 10	43	< 0.5	4	1.19	9
1229044116 Orig							188																
1229044116 Dup							220																
1230056135 Orig																							
1230056135 Dup																							
v845118 Orig								10.2	< 0.5	53	346	20	12	6	54	1.48	10	< 10	82	< 0.5	< 2	1.19	14
v845118 Dup								9.8	< 0.5	52	332	19	15	8	52	1.36	< 2	< 10	85	< 0.5	2	1.13	12
1228019401 Orig																							
1228019401 Dup																							
1230055040 Orig							371																
1230055040 Dup							311																
1230055007 Orig	28.8	11.2	-17.6	35.2	0.318																		
1230055007 Dup	28.8	11.2	-17.6	35.2	0.318																		
1230043042 Orig																							
1230043042 Dup																							
1229043031 Orig																							
1229043031 Dup																							
1229043190 Orig								0.6	1.1	184	413	< 1	16	47	90	2.60	16	21	38	< 0.5	3	1.49	7
1229043190 Dup								0.6	1.3	179	413	< 1	16	49	95	2.54	14	22	42	< 0.5	3	1.48	7
1229043133 Orig							243																
1229043133 Dup							239																
1228020435 Orig																							
1228020435 Dup																							
1229043353 Orig							1480																
1229043353 Dup							1470																
1228021024 Orig						8.96																	
1228021024 Dup						8.92																	
1230056108 Orig								1.1	< 0.5	25	1050	1	17	22	91	1.60	49	< 10	26	< 0.5	< 2	1.88	8
1230056108 Dup								1.1	< 0.5	26	1050	1	15	21	95	1.64	51	< 10	24	< 0.5	< 2	1.90	8
1228021100 Orig							59																
1228021100 Dup							55																

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228021017 Orig																							
1228021017 Dup																							
1229045024 Orig							32																
1229045024 Dup							32																
1229045085 Orig								1.0	< 0.5	129	345	2	25	35	140	2.30	12	< 10	41	< 0.5	2	0.81	6
1229045085 Dup								0.9	< 0.5	128	340	2	24	36	142	2.26	10	< 10	42	< 0.5	< 2	0.80	6
1335002242 Orig																							
1335002242 Dup																							
1229045207 Orig	49.5	17.8	-31.7	54.8	0.325																		
1229045207 Dup	49.5	17.9	-31.6	54.8	0.326																		
1229045129 Orig							95																
1229045129 Dup							101																
1229048326 Orig								0.3	1.5	33	642	2	19	9	527	2.55	17	11	35	< 0.5	< 2	1.72	9
1229048326 Dup								0.3	1.3	32	606	1	19	9	494	2.37	19	< 10	34	< 0.5	< 2	1.63	9
1228020321 Orig																							
1228020321 Dup																							
1230055003 Orig								0.8	< 0.5	164	615	< 1	12	3	79	2.46	11	< 10	37	< 0.5	< 2	1.12	7
1230055003 Dup								0.8	< 0.5	164	631	< 1	13	5	80	2.44	13	< 10	45	< 0.5	< 2	1.14	7
1228020125 Orig							4230																
1228020125 Dup							4260																
v845122 Orig																							
v845122 Dup																							
1228020167 Orig								0.9	2.0	50	854	1	16	52	559	2.11	42	11	25	< 0.5	< 2	0.79	9
1228020167 Dup								0.9	2.1	51	868	< 1	14	53	560	2.12	37	11	25	< 0.5	< 2	0.79	9
1230055171 Orig							113																
1230055171 Dup							112																
1228020076 Orig						9.00																	
1228020076 Dup						8.97																	
1228020019 Orig	30.3	10.7	-19.6	34.3	0.312																		
1228020019 Dup	30.3	9.24	-21.1	34.3	0.269																		
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							< 5																
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 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
GXR-6 Meas	79	5.90	20	< 1	1.21	< 10	0.41	0.072	0.032	0.01	3	17	27		< 1	< 2	< 10	178	< 10	4	7		
GXR-6 Cert	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	78	5.75	20	< 1	1.18	< 10	0.41	0.070	0.032	0.01	5	17	27		2	< 2	< 10	174	< 10	4	7		
GXR-6 Cert	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	77	5.90	20	< 1	1.14	< 10	0.38	0.065	0.033	0.02	4	17	26		< 1	< 2	< 10	169	< 10	4	10		
GXR-6 Cert	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																							14.4
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.2
BaSO4 Cert																							14.0
BaSO4 Meas																							14.0
BaSO4 Cert																							14.0
BaSO4 Meas																							14.2
BaSO4 Cert																							14.0
BaSO4 Meas																							13.8
BaSO4 Cert																							14.0
BaSO4 Meas																							14.1
BaSO4 Cert																							14.0
SGR-1b Meas																						28.4	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.1	1.53
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.5	1.53
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.6	1.54
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.4	1.51
SGR-1b Cert																						28	1.53
SGR-1b Meas																						28.0	1.55
SGR-1b Cert																						28	1.53
SGR-1b Meas																						27.6	1.58
SGR-1b Cert																						28	1.53
GS311-4 Meas																						1.10	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	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	0.54
GS311-4 Cert																						1.11	0.54
GS311-4 Meas																						1.10	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																						1.12	0.55
GS311-4 Cert																						1.11	0.54
NBM-1 (slight fzz) Meas																							
NBM-1 (slight fzz)																							

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
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	44	5.18	< 10		0.51	39	1.36	0.027	0.057	0.36	2	4	17			< 2	< 10	36	< 10	21	14		
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	42	5.03	< 10		0.48	38	1.36	0.025	0.057	0.36	4	4	16			< 2	< 10	35	< 10	20	18		
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	5.44	< 10		0.53	39	1.37	0.028	0.061	0.40	< 2	4	17			< 2	< 10	37	< 10	22	9		
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	6.07	< 10		0.44	36	1.47		0.056	0.68	3	4	15			< 2	< 10	36	< 10	19	25		
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	40	6.18	< 10		0.42	35	1.45		0.058	0.69	3	4	15			< 2	< 10	35	< 10	19	25		
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	6.34	< 10		0.44	35	1.41		0.058	0.72	3	4	15			< 2	< 10	36	< 10	20	9		
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										4.24	6												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.61	7												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							

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 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas	31	3.72	10	5	0.40	21	0.47	0.165	0.032	4.82	109	3	19			< 2	< 10	13	< 10	8	64		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	28	3.38	10	5	0.38	20	0.43	0.155	0.030	4.49	99	2	18			< 2	< 10	13	< 10	8	58		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	31	3.45	< 10	3	0.39	20	0.43	0.156	0.030	4.61	102	2	18			< 2	< 10	13	< 10	8	64		
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9			0.770	1.63	10.9	1.00	6.87	55.0		
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
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OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
GS316-3 Meas																						0.05	0.34
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.06	0.35
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.34
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.34
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.04	0.35

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
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.35
GS316-3 Cert																						0.0600	0.340
GS316-3 Meas																						0.05	0.33
GS316-3 Cert																						0.0600	0.340
1229044035 Orig																						0.38	0.71
1229044035 Dup																						0.38	0.73
1334002036 Orig	222	2.40	< 10	< 1	0.16	11	0.91	0.091	0.041	0.10	2	5	52	0.16	3	< 2	< 10	55	< 10	6	8		
1334002036 Dup	224	2.48	< 10	< 1	0.16	11	0.90	0.089	0.043	0.11	< 2	5	52	0.17	7	< 2	< 10	54	< 10	6	9		
1230056065 Orig																						0.69	1.77
1230056065 Dup																						0.67	1.74
1229044030 Orig	259	3.28	< 10	< 1	0.46	15	1.45	0.185	0.043	1.49	3	2	90	0.05	1	< 2	< 10	28	< 10	4	13		
1229044030 Dup	249	3.16	< 10	< 1	0.45	15	1.41	0.182	0.041	1.38	3	2	89	0.05	< 1	< 2	< 10	27	< 10	3	13		
1229044116 Orig																							
1229044116 Dup																							
1230056135 Orig																						0.18	0.51
1230056135 Dup																						0.17	0.49
v845118 Orig	12	3.52	< 10	1	0.24	12	0.55	0.244	0.055	0.06	2	4	38	0.47	13	< 2	< 10	100	< 10	18	13		
v845118 Dup	12	3.54	< 10	< 1	0.22	11	0.52	0.227	0.055	0.06	< 2	4	36	0.45	6	2	< 10	95	< 10	16	17		
1228019401 Orig																						0.48	1.96
1228019401 Dup																						0.48	1.98
1230055040 Orig																							
1230055040 Dup																							
1230055007 Orig																							
1230055007 Dup																							
1230043042 Orig																							
1230043042 Dup																							
1229043031 Orig																						0.17	0.77
1229043031 Dup																						0.17	0.80
1229043190 Orig	248	3.12	< 10	< 1	0.34	25	1.13	0.100	0.033	1.06	3	1	62	< 0.01	7	< 2	< 10	14	< 10	2	8		
1229043190 Dup	247	3.13	< 10	< 1	0.33	25	1.09	0.099	0.034	1.06	3	1	62	< 0.01	< 1	< 2	< 10	14	< 10	2	9		
1229043133 Orig																							
1229043133 Dup																							
1228020435 Orig																						0.87	1.41
1228020435 Dup																						0.87	1.39
1229043353 Orig																							
1229043353 Dup																							
1228021024 Orig																						0.14	0.12
1228021024 Dup																						0.14	0.12
1230056108 Orig	222	2.36	< 10	< 1	0.44	15	0.97	0.115	0.044	2.14	4	1	45	0.01	< 1	< 2	< 10	12	< 10	2	13		
1230056108 Dup	226	2.37	< 10	< 1	0.46	15	1.00	0.117	0.044	2.17	2	1	46	0.01	1	< 2	< 10	13	< 10	2	13		
1228021100 Orig																							
1228021100 Dup																							
1228021017 Orig																						0.05	0.10
1228021017 Dup																						0.06	0.10
1229045024 Orig																							
1229045024 Dup																							
1229045085 Orig	453	2.87	< 10	< 1	0.28	12	1.58	0.106	0.035	1.56	4	< 1	43	0.01	< 1	< 2	< 10	11	< 10	2	13		
1229045085 Dup	443	2.81	< 10	< 1	0.28	12	1.58	0.106	0.035	1.49	4	< 1	43	0.01	4	< 2	< 10	11	< 10	2	13		
1335002242 Orig																						0.58	0.32
1335002242 Dup																						0.57	0.33

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
1229045207 Orig																							
1229045207 Dup																							
1229045129 Orig																							
1229045129 Dup																							
1229048326 Orig	250	2.91	< 10	< 1	0.47	18	1.20	0.137	0.047	1.57	3	2	73	0.04	5	< 2	< 10	22	< 10	2	14	0.32	1.56
1229048326 Dup	242	2.71	< 10	< 1	0.43	17	1.13	0.127	0.044	1.49	4	2	69	0.04	< 1	< 2	< 10	21	< 10	2	14	0.33	1.56
1228020321 Orig																						0.34	1.33
1228020321 Dup																						0.34	1.38
1230055003 Orig	117	2.64	< 10	< 1	0.47	14	1.30	0.175	0.037	1.18	4	1	84	0.05	5	< 2	< 10	19	< 10	3	12		
1230055003 Dup	122	2.87	< 10	< 1	0.47	14	1.27	0.177	0.040	1.30	< 2	1	84	0.05	< 1	< 2	< 10	19	< 10	3	15		
1228020125 Orig																							
1228020125 Dup																							
v845122 Orig																						0.11	0.08
v845122 Dup																						0.11	0.08
1228020167 Orig	99	2.16	< 10	< 1	0.35	12	1.03	0.034	0.047	1.62	2	< 1	43	0.02	1	< 2	< 10	10	< 10	1	8		
1228020167 Dup	105	2.24	< 10	< 1	0.35	12	1.04	0.032	0.048	1.65	< 2	< 1	43	0.02	< 1	< 2	< 10	10	< 10	1	8		
1230055171 Orig																							
1230055171 Dup																							
1228020076 Orig																						0.53	1.90
1228020076 Dup																						0.52	1.91
1228020019 Orig																							
1228020019 Dup																							
Method Blank																							
Method Blank																							
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	0.011	< 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	0.011	< 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	0.011	< 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	0.011	< 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	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1		

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
BaSO4 Meas	
BaSO4 Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b Cert	
SGR-1b Meas	
SGR-1b 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	
NBM-1 (slight fzz) Meas	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
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	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
OREAS 218 Meas	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
OREAS 218 Cert	
OREAS 218 Meas	
OREAS 218 Cert	
OREAS 218 Meas	
OREAS 218 Cert	
OREAS 218 Meas	
OREAS 218 Cert	
OREAS 218 Meas	
OREAS 218 Cert	
OREAS 229 (Fire Assay) Meas	12.1
OREAS 229 (Fire Assay) Cert	12.1
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
OREAS 229b (Fire Assay) Meas	12.0
OREAS 229b (Fire Assay) Cert	11.9
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
GS316-3 Meas	
GS316-3 Cert	
1229044035 Orig	
1229044035 Dup	
1334002036 Orig	
1334002036 Dup	
1230056065 Orig	
1230056065 Dup	
1229044030 Orig	
1229044030 Dup	
1229044116 Orig	
1229044116 Dup	
1230056135 Orig	
1230056135 Dup	
v845118 Orig	
v845118 Dup	
1228019401 Orig	
1228019401 Dup	
1230055040 Orig	
1230055040 Dup	
1230055007 Orig	
1230055007 Dup	
1230043042 Orig	9.16
1230043042 Dup	9.33
1229043031 Orig	
1229043031 Dup	
1229043190 Orig	
1229043190 Dup	
1229043133 Orig	
1229043133 Dup	
1228020435 Orig	
1228020435 Dup	
1229043353 Orig	
1229043353 Dup	
1228021024 Orig	
1228021024 Dup	
1230056108 Orig	
1230056108 Dup	
1228021100 Orig	
1228021100 Dup	
1228021017 Orig	
1228021017 Dup	
1229045024 Orig	
1229045024 Dup	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
1229045085 Orig	
1229045085 Dup	
1335002242 Orig	
1335002242 Dup	
1229045207 Orig	
1229045207 Dup	
1229045129 Orig	
1229045129 Dup	
1229048326 Orig	
1229048326 Dup	
1228020321 Orig	
1228020321 Dup	
1230055003 Orig	
1230055003 Dup	
1228020125 Orig	
1228020125 Dup	
v845122 Orig	
v845122 Dup	
1228020167 Orig	
1228020167 Dup	
1230055171 Orig	
1230055171 Dup	
1228020076 Orig	
1228020076 Dup	
1228020019 Orig	
1228020019 Dup	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	< 0.02
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Report No.:	**A19-17245**
Report Date:	**03-Feb-20**
Date Submitted:	**17-Dec-19**
Your Reference:	**2019 November Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

136 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
11 ABA Modified Sobek	Acid Base Accounting	2020-01-20 17:10:53
4F-C, S	Infrared	2020-01-13 16:40:42

REPORT **A19-17245**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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.:	**A19-17245**
Report Date:	**03-Feb-20**
Date Submitted:	**17-Dec-19**
Your Reference:	**2019 November Check Assays**

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

ATTN: Jason Pattison

CERTIFICATE OF ANALYSIS

136 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)	2019-12-23 11:05:29
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-01-08 21:35:14

REPORT **A19-17245**

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Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229043147	29.6	16.3	-13.3	34.6	0.472	8.87	578	1.6	< 0.5	446	448	6	13	10	180	2.31	12	< 10	46	< 0.5	12	0.80	6
1228020162	63.1	7.60	-55.5	68.9	0.110	8.61	432	6.0	3.3	51	682	1	14	116	768	1.80	43	< 10	21	< 0.5	< 2	0.49	9
1228020154	49.3	11.2	-38.1	53.9	0.208	8.75	468	12.9	1.6	37	705	< 1	12	62	408	1.64	32	< 10	23	< 0.5	< 2	0.88	7
1228020077	64.3	53.2	-11.1	73.2	0.726	8.96	512	10.1	4.0	160	1850	< 1	14	391	1020	1.37	70	< 10	21	< 0.5	< 2	2.07	8
v845123							1010	2.5	< 0.5	61	421	11	18	7	59	1.55	< 2	< 10	93	< 0.5	3	1.45	16
1229047050	23.1	13.2	-9.89	26.3	0.502	8.95	159	0.3	1.3	104	653	< 1	9	4	552	2.10	10	< 10	47	< 0.5	< 2	1.09	7
1229047081	21.4	13.2	-8.17	24.2	0.545	9.10	28	< 0.2	< 0.5	21	641	< 1	14	3	184	2.71	8	< 10	76	< 0.5	< 2	1.75	6
1228022075	35.4	13.1	-22.3	39.8	0.329	8.94	1210	0.8	< 0.5	220	288	< 1	17	4	32	1.93	8	< 10	41	< 0.5	4	0.84	3
1228022197	64.6	9.22	-55.4	68.9	0.134	8.80	511	0.6	< 0.5	230	186	2	18	< 2	26	2.37	6	< 10	26	< 0.5	4	1.15	6
1228022187	55.0	10.5	-44.5	59.4	0.176	8.98	200	0.7	< 0.5	167	320	13	23	5	42	2.29	9	< 10	30	< 0.5	< 2	1.14	7
1228022015	55.1	16.6	-38.5	60.0	0.276	8.59	560	0.5	< 0.5	186	266	1	14	3	35	1.51	9	< 10	21	< 0.5	13	0.79	4
1229047104	7.81	45.4	37.6	12.3	3.71	9.45	19	< 0.2	< 0.5	18	739	< 1	18	7	106	1.98	10	< 10	66	< 0.5	< 2	2.39	12
1228022017	48.7	6.98	-41.8	53.0	0.132	8.89	868	0.4	< 0.5	194	229	< 1	10	3	27	1.71	8	< 10	29	< 0.5	5	0.56	5
1229047093	34.3	13.5	-20.8	38.0	0.355	9.05	3670	0.5	1.8	44	283	1	13	< 2	478	2.78	8	12	44	< 0.5	4	1.34	8
1227040009	31.9	30.0	-1.90	35.2	0.851	9.03	214	0.7	< 0.5	19	581	< 1	17	70	173	2.11	38	< 10	50	< 0.5	< 2	2.08	6
1227040104	41.5	9.22	-32.2	44.7	0.206	8.81	45	0.5	< 0.5	36	508	< 1	15	14	191	2.62	19	< 10	33	< 0.5	< 2	1.15	7
1229047119	25.0	10.7	-14.3	27.6	0.389	8.82	41	< 0.2	< 0.5	29	753	< 1	12	< 2	105	3.49	9	< 10	54	< 0.5	< 2	1.68	8
1227040192	10.0	19.5	9.46	9.80	1.99	9.30	18	< 0.2	< 0.5	14	483	< 1	19	21	139	3.49	5	< 10	72	< 0.5	< 2	2.60	7
1227040058	22.2	17.2	-4.95	25.4	0.678	9.12	42	0.3	0.5	26	487	< 1	18	40	300	3.18	12	< 10	46	< 0.5	< 2	1.71	8
1230057197	35.8	62.1	26.3	41.3	1.50	8.96	369	3.2	1.7	77	1220	1	16	518	504	0.90	60	< 10	37	< 0.5	< 2	2.18	9
1230057267	52.3	47.5	-4.80	59.7	0.795	8.96	545	1.3	2.6	76	1180	< 1	15	347	638	0.91	89	< 10	25	< 0.5	< 2	1.61	7
1230057210	13.0	42.6	29.6	17.5	2.44	9.45	101	0.4	< 0.5	33	1000	5	23	58	150	1.08	27	< 10	72	< 0.5	< 2	1.71	7
1227040051	38.2	12.1	-26.1	41.3	0.292	8.95	33	0.7	< 0.5	9	436	< 1	10	19	58	2.21	21	< 10	30	< 0.5	3	1.16	6
1227040125	10.3	15.1	4.77	10.1	1.49	9.46	28	0.3	< 0.5	16	377	< 1	14	10	89	3.65	12	< 10	74	< 0.5	< 2	2.07	7
v845124							1150	4.4	< 0.5	24	150	7	6	< 2	26	0.62	< 2	< 10	27	< 0.5	3	0.65	5
1230057265	40.0	46.1	6.16	46.9	0.985	9.24	516	1.6	4.1	67	951	1	19	456	1140	1.27	159	< 10	31	< 0.5	< 2	1.66	7
1227040208	15.0	29.2	14.2	18.1	1.62	9.14	22	< 0.2	< 0.5	25	459	1	30	2	76	2.63	8	< 10	53	< 0.5	< 2	1.86	10
1230057052	48.8	13.1	-35.8	54.2	0.241	9.12	307	0.6	1.0	22	260	1	21	34	246	0.86	21	< 10	22	< 0.5	< 2	0.63	7
1230057262	34.0	37.6	3.55	39.5	0.952	8.98	236	2.0	2.9	61	663	1	23	231	843	1.12	70	< 10	34	< 0.5	< 2	1.50	8
1228023095	44.3	11.9	-32.4	48.7	0.244	9.18	35	0.4	< 0.5	88	198	1	16	< 2	96	1.85	8	< 10	41	< 0.5	< 2	0.81	7
1230057016	46.1	517	471	51.5	10.1	8.98	977	1.5	3.2	75	314	2	25	22	718	1.45	81	< 10	29	< 0.5	< 2	1.06	9
1230057114	60.6	19.0	-41.6	75.9	0.250	9.10	363	2.7	27.5	110	838	2	18	84	6980	0.94	80	< 10	16	< 0.5	< 2	0.78	8
1227040295	13.8	17.4	3.66	13.5	1.29	9.23	27	< 0.2	< 0.5	20	426	< 1	15	12	112	3.44	17	< 10	67	< 0.5	< 2	2.24	8
1227040200	14.4	16.9	2.49	17.8	0.949	9.29	75	0.2	< 0.5	33	449	< 1	15	9	207	3.70	8	< 10	68	< 0.5	< 2	2.39	9
1227040209	14.9	33.1	18.2	18.1	1.83	9.08	27	< 0.2	< 0.5	27	434	< 1	36	4	67	2.57	15	< 10	55	< 0.5	< 2	2.00	9
1230057049	59.9	13.6	-46.3	78.1	0.174	9.18	188	3.9	42.4	109	459	< 1	22	157	> 10000	0.79	107	< 10	11	< 0.5	< 2	0.62	7
1227040300	21.3	8.98	-12.3	20.8	0.431	9.09	30	< 0.2	< 0.5	25	480	< 1	18	12	133	3.17	8	< 10	62	< 0.5	< 2	1.44	8
1227040213	14.1	10.7	-3.33	13.8	0.779	9.07	37	< 0.2	< 0.5	37	432	1	13	11	90	3.58	18	< 10	62	< 0.5	< 2	1.83	7
1227040313	7.18	16.6	9.40	10.1	1.64	9.15	294	< 0.2	< 0.5	35	398	2	22	32	237	3.02	11	< 10	72	< 0.5	< 2	1.48	9
1227040186	13.8	17.4	3.63	13.5	1.29	9.19	34	< 0.2	< 0.5	23	440	< 1	12	31	106	3.30	8	< 10	59	< 0.5	< 2	2.11	7
1230057015	58.4	17.6	-40.9	67.1	0.262	9.23	670	3.8	11.6	86	486	< 1	16	547	3100	1.00	81	< 10	14	< 0.5	< 2	0.74	8
1230057001	32.8	38.7	5.93	37.7	1.03	9.28	250	1.7	2.5	64	673	2	24	170	732	1.18	63	< 10	33	< 0.5	< 2	1.49	7
1227040307	12.2	14.3	2.06	11.9	1.19	9.26	29	< 0.2	< 0.5	22	436	< 1	16	22	104	3.60	7	< 10	60	< 0.5	< 2	2.13	8
1227040303	11.9	15.2	3.36	11.6	1.31	9.13	16	< 0.2	< 0.5	31	366	< 1	12	13	79	3.12	5	< 10	69	< 0.5	< 2	1.80	7
1228023080	39.9	10.1	-29.8	44.1	0.229	9.22	122	0.7	< 0.5	170	215	1	18	7	37	1.80	9	< 10	30	< 0.5	3	0.62	8
v845125							784	3.1	< 0.5	33	257	14	11	12	42	1.15	< 2	< 10	63	< 0.5	< 2	2.00	8
1229049324	30.1	26.4	-3.72	36.4	0.724	9.06	57	2.9	< 0.5	62	655	< 1	18	35	136	2.31	27	< 10	43	< 0.5	4	1.74	7
1229049199	52.5	40.4	-12.1	63.4	0.637	8.76	48	0.7	< 0.5	14	839	1	28	24	135	2.04	22	< 10	31	< 0.5	3	2.10	7
1229049039	35.6	13.9	-21.8	41.0	0.338	8.38	237	1.2	< 0.5	781	549	1	14	5	95	1.74	14	14	36	< 0.5	< 2	0.73	7

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229049019	69.1	24.8	-44.3	76.3	0.325	8.43	142	2.0	1.4	97	628	< 1	18	20	434	1.84	48	11	24	< 0.5	2	1.24	8
1229049089	46.3	12.1	-34.3	49.9	0.242	8.58	282	1.3	< 0.5	114	416	< 1	15	< 2	142	2.18	16	< 10	30	0.5	3	0.43	8
1229049090	57.0	6.87	-50.1	62.2	0.111	8.51	171	1.1	0.7	104	336	< 1	15	7	290	1.56	23	< 10	21	< 0.5	3	0.22	9
1229049283	44.2	39.3	-4.88	52.1	0.754	8.95	99	1.1	< 0.5	26	714	< 1	21	19	124	2.63	40	< 10	34	< 0.5	< 2	2.50	9
1229049239	7.81	14.0	6.18	7.66	1.83	9.11	25	0.3	< 0.5	18	488	1	23	7	78	3.05	7	< 10	58	< 0.5	< 2	1.72	6
1228022306	56.5	7.47	-49.0	61.9	0.121	8.74	578	0.7	< 0.5	401	270	2	18	20	39	2.49	8	< 10	21	< 0.5	< 2	0.94	6
1229049211	10.9	22.2	11.2	14.7	1.51	9.26	56	0.4	< 0.5	22	531	< 1	29	11	80	3.23	12	< 10	65	< 0.5	< 2	2.10	8
1229046147	42.7	22.3	-20.4	55.1	0.404	8.05	405	2.1	< 0.5	436	592	3	31	5	86	2.13	18	< 10	26	< 0.5	< 2	1.56	15
1229049180	53.4	29.5	-23.9	59.4	0.496	9.09	73	1.0	0.7	43	703	1	15	37	237	1.69	22	< 10	24	< 0.5	< 2	1.55	7
1228022337	52.2	11.7	-40.5	57.3	0.205	8.83	882	1.4	< 0.5	209	348	< 1	16	14	52	2.02	24	< 10	28	< 0.5	8	0.61	8
1229046011	52.6	12.4	-40.2	58.8	0.210	8.59	60	0.7	0.8	155	339	3	28	< 2	245	2.71	15	< 10	23	< 0.5	3	1.49	7
1228022270	49.0	7.61	-41.3	54.2	0.140	8.69	257	0.3	< 0.5	68	240	< 1	20	4	46	2.64	13	< 10	29	< 0.5	5	1.02	7
1229049058	59.3	4.73	-54.5	63.7	0.0743	8.11	74	1.1	0.6	17	504	< 1	19	49	243	2.04	29	< 10	25	< 0.5	< 2	0.50	9
1228022302	62.5	6.98	-55.5	67.4	0.104	8.60	935	< 0.2	< 0.5	104	224	3	19	10	30	2.61	7	< 10	25	< 0.5	< 2	0.96	17
1228022263	58.6	11.8	-46.9	64.0	0.184	8.70	446	1.4	< 0.5	137	282	1	16	6	41	1.94	18	< 10	23	< 0.5	10	0.73	6
1228022251	45.2	8.83	-36.4	50.2	0.176	8.76	403	0.7	< 0.5	294	390	2	18	< 2	59	2.71	12	< 10	37	< 0.5	9	0.87	8
v845126							252	2.8	< 0.5	60	433	< 1	19	7	65	1.53	< 2	< 10	97	< 0.5	2	1.58	15
1227040067	18.1	23.7	5.60	17.8	1.34	8.92	33	< 0.2	< 0.5	16	464	< 1	9	9	151	2.13	10	11	29	< 0.5	< 2	1.75	6
1227040106	25.6	8.13	-17.5	28.2	0.288	9.01	42	0.4	0.6	24	463	1	13	5	266	3.09	16	< 10	44	< 0.5	< 2	1.20	7
1227040099	11.3	10.4	-0.890	11.0	0.940	9.32	62	0.2	< 0.5	16	459	< 1	11	10	94	3.74	12	< 10	69	< 0.5	< 2	2.06	7
1227040304	11.6	17.7	6.14	11.3	1.56	9.27	16	< 0.2	< 0.5	19	382	< 1	16	9	96	3.58	5	< 10	65	< 0.5	< 2	2.33	7
1228023088	30.8	13.3	-17.5	34.9	0.382	9.11	87	< 0.2	< 0.5	28	324	1	16	< 2	90	2.53	9	< 10	44	< 0.5	< 2	1.07	7
1228023001	40.2	14.1	-26.1	46.2	0.304	9.28	2280	1.0	< 0.5	578	363	2	22	4	58	1.84	12	< 10	37	< 0.5	43	1.01	7
1228023173	24.7	15.8	-8.93	28.8	0.547	9.16	79	0.2	< 0.5	71	351	1	14	< 2	84	2.01	10	< 10	46	< 0.5	< 2	0.89	6
1230057034	13.7	20.2	6.44	21.7	0.928	8.41	115	0.3	0.6	111	1220	< 1	53	3	275	3.94	11	< 10	41	< 0.5	< 2	2.93	22
1230057324	70.9	46.1	-24.8	81.5	0.566	9.05	104	1.6	10.4	81	639	< 1	14	23	2390	1.07	152	< 10	24	< 0.5	< 2	2.00	6
1230057227	48.7	21.1	-27.7	53.6	0.393	8.91	68	0.7	0.6	26	474	< 1	13	27	153	1.24	48	< 10	31	< 0.5	< 2	1.57	7
1230057187	22.1	26.8	4.69	26.0	1.03	9.17	147	0.7	0.9	57	984	2	21	114	312	1.21	517	< 10	51	< 0.5	< 2	1.63	8
1230057428	18.2	21.1	2.85	22.4	0.943	9.33	79	0.4	1.2	28	591	< 1	9	5	316	1.48	44	< 10	65	< 0.5	< 2	1.08	8
1230057326	67.5	53.2	-14.3	75.6	0.703	9.18	84	1.0	4.9	34	574	2	14	22	1190	0.99	137	< 10	27	< 0.5	< 2	2.28	7
1228023006	47.2	12.6	-34.5	51.8	0.244	9.10	287	0.3	< 0.5	32	332	< 1	16	4	100	2.39	16	< 10	30	< 0.5	< 2	1.25	6
1230057448	3.75	13.6	9.87	3.67	3.71	8.73	10	0.3	< 0.5	114	536	< 1	45	< 2	57	4.78	< 2	< 10	39	< 0.5	< 2	3.76	20
1230057177	35.0	23.9	-11.1	44.1	0.542	9.30	685	1.2	14.5	65	1580	1	15	54	3720	0.82	338	< 10	26	< 0.5	< 2	1.08	7
1228023082	41.2	6.74	-34.5	44.7	0.151	9.24	231	0.5	< 0.5	37	434	< 1	13	11	104	2.29	5	< 10	31	< 0.5	2	0.61	8
1230057407	57.6	13.2	-44.4	61.3	0.215	8.84	811	1.5	1.1	41	438	< 1	10	7	272	1.06	55	< 10	21	< 0.5	< 2	0.72	9
1230057310	3.75	13.7	9.99	3.67	3.74	9.04	8	< 0.2	< 0.5	100	636	< 1	60	< 2	64	4.14	< 2	< 10	21	< 0.5	< 2	3.29	23
1228023155	63.1	10.7	-52.4	68.6	0.156	9.13	188	0.4	< 0.5	87	274	2	19	16	36	2.15	26	< 10	23	< 0.5	4	1.19	5
1230057399	14.9	-1.75	-16.6	18.1	-0.0967	9.25	73	0.4	3.3	29	858	< 1	10	4	807	1.05	67	< 10	49	< 0.5	< 2	0.29	7
1228023124	32.1	5.23	-26.9	34.9	0.150	9.05	44	< 0.2	< 0.5	88	215	1	20	< 2	27	2.26	3	< 10	34	< 0.5	< 2	0.89	4
1230057343	23.5	15.6	-7.94	26.3	0.592	8.67	122	0.3	< 0.5	63	658	< 1	34	6	71	2.46	82	< 10	37	< 0.5	< 2	1.76	17
1228023182	48.3	8.72	-39.6	51.5	0.169	9.21	45	0.4	< 0.5	83	251	4	13	< 2	37	2.46	9	< 10	27	< 0.5	< 2	1.41	7
1228023154	48.2	21.8	-26.4	53.3	0.409	9.12	157	0.3	< 0.5	48	361	3	19	3	44	2.73	5	< 10	30	< 0.5	4	1.58	8
v845127							122	1.6	< 0.5	59	332	4	13	8	59	1.42	< 2	< 10	80	< 0.5	< 2	1.11	13
1229046124	35.9	15.1	-20.8	43.5	0.347	8.27	230	1.0	1.2	47	661	1	25	4	310	2.18	18	< 10	39	< 0.5	2	1.20	9
1229046058	31.5	8.88	-22.6	36.1	0.246	9.01	76	0.4	0.7	26	594	< 1	19	< 2	250	3.28	18	< 10	46	< 0.5	< 2	1.78	6
1229049136	45.7	23.7	-22.0	51.1	0.464	8.99	69	1.1	< 0.5	32	655	< 1	29	21	127	3.05	33	< 10	33	< 0.5	< 2	2.30	9
1228022119	48.8	15.7	-33.1	56.0	0.281	8.98	> 5000	4.5	< 0.5	615	301	< 1	10	9	33	1.91	12	< 10	26	< 0.5	30	0.74	3
1229046105	48.6	14.7	-33.9	56.0	0.263	8.51	346	0.7	1.0	135	595	2	16	4	323	1.89	16	< 10	23	< 0.5	2	1.09	8
1228022129	47.0	22.9	-24.1	52.1	0.439	8.60	968	0.6	< 0.5	298	282	1	16	7	35	2.35	7	< 10	33	< 0.5	5	1.13	3

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1228022238	38.3	17.2	-21.1	42.0	0.411	8.78	410	0.6	< 0.5	327	249	2	18	6	32	2.72	17	< 10	36	< 0.5	4	1.06	2
1229049028	71.7	9.73	-61.9	79.3	0.123	8.28	478	3.3	4.5	253	459	< 1	16	53	1310	1.86	24	11	18	< 0.5	< 2	0.47	7
1229047022	19.4	43.6	24.3	22.7	1.93	9.04	27	< 0.2	< 0.5	30	474	< 1	12	4	91	2.14	11	12	61	0.7	< 2	0.90	7
1229049170	26.1	29.0	2.86	29.7	0.976	9.02	55	0.5	0.6	25	580	< 1	15	17	208	2.37	27	< 10	50	< 0.5	< 2	1.77	7
1228022156	44.9	17.4	-27.5	51.1	0.339	8.69	1630	1.2	< 0.5	826	285	2	22	6	33	2.00	15	< 10	43	< 0.5	11	0.94	4
1228022232	21.4	11.0	-10.4	24.2	0.454	9.02	173	< 0.2	< 0.5	81	232	< 1	24	4	36	3.10	2	< 10	38	< 0.5	< 2	1.28	3
1228022062	59.8	17.6	-42.2	64.3	0.273	8.63	1200	0.9	< 0.5	498	274	< 1	11	< 2	29	1.64	11	< 10	32	< 0.5	5	0.55	5
1229046110	30.7	18.1	-12.6	37.1	0.488	8.01	129	1.1	4.4	72	672	2	24	2	1140	2.58	16	< 10	55	< 0.5	2	1.26	9
1229046013	82.3	21.2	-61.1	87.9	0.241	8.80	62	0.6	< 0.5	129	429	3	14	< 2	155	1.91	15	< 10	28	< 0.5	4	1.16	8
1229047033	28.9	13.6	-15.3	32.2	0.422	9.04	68	0.2	< 0.5	62	261	4	16	4	58	2.10	12	< 10	42	< 0.5	< 2	0.85	7
1228022077	49.8	16.3	-33.5	54.8	0.298	8.69	1560	0.6	< 0.5	290	291	1	10	< 2	33	2.18	8	< 10	33	< 0.5	5	0.90	6
1228022204	64.6	22.4	-42.2	71.4	0.314	8.95	1000	1.8	< 0.5	901	242	< 1	11	4	39	1.90	11	< 10	35	< 0.5	14	0.72	4
1228022215	51.7	20.8	-30.9	57.0	0.365	8.88	511	0.8	< 0.5	140	346	1	15	25	71	1.95	18	< 10	40	< 0.5	4	0.73	6
v845128							1590	10.0	< 0.5	53	359	19	12	7	55	1.51	< 2	< 10	87	< 0.5	< 2	1.26	13
1335002087	0.200	42.7	42.5	8.88	4.81	8.53	22	0.5	< 0.5	22	466	< 1	31	5	94	1.54	7	< 10	74	< 0.5	< 2	1.48	8
1335002511	14.2	36.9	22.7	21.4	1.72	9.39	18	0.2	4.6	50	1160	< 1	18	6	1230	2.52	11	< 10	70	< 0.5	< 2	2.26	9
1229048040	16.6	59.9	43.2	36.4	1.64	8.50	61	0.4	< 0.5	157	501	2	25	6	160	1.74	29	< 10	13	< 0.5	< 2	2.15	11
1334501092	2.50	24.6	22.1	2.45	10.1	9.43	< 5	< 0.2	< 0.5	124	423	< 1	46	8	44	5.38	< 2	< 10	22	< 0.5	< 2	4.34	18
1334501044	2.81	23.3	20.4	2.76	8.44	9.30	5	< 0.2	< 0.5	102	483	< 1	55	< 2	47	4.78	< 2	< 10	27	< 0.5	< 2	3.79	22
1229048054	35.5	35.9	0.360	40.4	0.887	9.08	120	1.3	< 0.5	24	604	< 1	16	18	152	2.06	25	10	48	< 0.5	< 2	1.70	7
1229048052	32.9	37.7	4.75	38.6	0.976	8.94	82	0.5	< 0.5	24	661	1	27	22	133	2.26	33	< 10	49	< 0.5	< 2	2.00	10
1229048057	25.8	25.4	-0.420	30.0	0.847	9.04	115	0.8	0.7	29	601	1	16	17	246	2.79	10	14	45	< 0.5	< 2	1.72	6
1229048167	34.0	19.3	-14.7	39.5	0.489	8.64	50	0.5	3.4	43	612	2	23	20	1290	2.69	8	< 10	48	< 0.5	2	1.32	8
1229049621	49.0	38.8	-10.2	58.2	0.667	8.82	116	6.5	1.0	174	715	< 1	24	44	306	2.35	42	< 10	39	< 0.5	11	2.41	9
1232090035	123	60.9	-61.8	136	0.447	8.57	31	0.5	< 0.5	99	590	1	40	5	97	2.35	15	< 10	11	< 0.5	< 2	2.19	25
1229048350	18.8	24.7	5.89	29.1	0.850	8.53	54	1.1	< 0.5	50	680	< 1	22	18	102	2.80	16	< 10	48	< 0.5	< 2	2.42	7
1229045102	25.7	21.3	-4.37	33.1	0.645	8.83	83	0.5	< 0.5	176	289	11	18	22	100	2.99	10	< 10	62	< 0.5	< 2	1.67	8
1229048163	14.9	56.4	41.5	20.8	2.71	9.25	38	0.3	< 0.5	70	1050	1	96	19	154	2.75	9	< 10	95	< 0.5	< 2	2.93	17
1229048311	29.0	25.0	-4.03	35.8	0.698	8.71	60	0.5	< 0.5	36	692	1	24	28	203	2.66	27	12	54	< 0.5	2	2.03	10
1229048001	36.4	34.3	-2.19	48.4	0.708	8.28	77	0.5	2.0	39	679	1	23	9	639	2.13	26	< 10	34	< 0.5	< 2	1.65	6
1229048309	23.0	25.3	2.27	31.9	0.794	8.66	53	0.4	< 0.5	19	696	< 1	20	28	123	2.54	28	19	56	< 0.5	< 2	2.26	9
1229048005	12.8	43.5	30.7	22.7	1.92	8.75	31	< 0.2	< 0.5	36	564	< 1	42	20	96	1.57	15	< 10	66	< 0.5	< 2	2.14	11
1229049192	53.5	8.97	-44.6	58.8	0.153	8.31	136	0.7	2.8	67	767	< 1	13	21	874	2.30	25	< 10	33	< 0.5	< 2	0.74	8
1229049293	34.8	25.2	-9.58	40.1	0.628	8.91	84	0.9	0.8	33	633	1	19	28	290	2.35	22	11	48	< 0.5	< 2	1.36	7
1229049084	52.1	7.73	-44.3	56.3	0.137	8.06	315	0.5	< 0.5	83	687	2	13	11	118	2.24	15	17	35	< 0.5	< 2	0.44	8
1232090024	75.3	33.0	-42.3	84.5	0.390	9.02	51	0.4	< 0.5	26	504	< 1	47	< 2	100	1.73	7	< 10	28	< 0.5	< 2	1.39	12
1229048016	22.2	27.6	5.40	30.0	0.919	8.40	90	1.2	1.1	21	675	< 1	20	23	330	2.79	24	< 10	58	< 0.5	< 2	1.92	7
v845129							952	2.4	< 0.5	60	398	10	16	7	56	1.53	2	< 10	86	< 0.5	5	1.34	15

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	%	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	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1229043147	107	3.87	< 10	< 1	0.43	13	1.25	0.044	0.035	1.14	3	1	33	0.01	< 20	1	< 2	< 10	16	< 10	2	7	0.20
1228020162	112	2.39	< 10	< 1	0.44	18	0.94	0.054	0.048	2.26	3	< 1	35	< 0.01	< 20	2	< 2	< 10	10	< 10	2	12	0.13
1228020154	137	1.83	< 10	< 1	0.44	15	0.43	0.063	0.044	1.79	< 2	< 1	46	< 0.01	< 20	5	< 2	< 10	8	< 10	2	11	0.20
1228020077	76	2.14	< 10	< 1	0.47	15	0.63	0.071	0.038	2.32	5	< 1	47	< 0.01	< 20	6	< 2	< 10	7	< 10	2	16	0.77
v845123	12	4.36	< 10	< 1	0.33	12	0.73	0.192	0.071	0.08	2	6	35	0.46	< 20	13	< 2	< 10	129	< 10	18	12	0.04
1229047050	96	2.48	< 10	< 1	0.20	22	1.17	0.084	0.045	0.84	< 2	1	56	0.04	< 20	< 1	< 2	< 10	14	< 10	2	10	0.12
1229047081	270	2.25	< 10	< 1	0.24	22	1.04	0.139	0.050	0.86	2	1	101	0.06	< 20	< 1	< 2	< 10	15	< 10	2	18	0.16
1228022075	431	3.58	< 10	< 1	0.35	11	0.78	0.062	0.031	1.39	5	< 1	47	0.03	< 20	< 1	< 2	< 10	9	< 10	2	14	0.42
1228022197	429	3.27	< 10	< 1	0.26	< 10	0.69	0.184	0.031	2.23	4	< 1	108	< 0.01	< 20	8	< 2	< 10	8	< 10	2	15	0.19
1228022187	463	3.14	< 10	< 1	0.19	21	0.90	0.197	0.054	1.97	3	1	172	0.02	< 20	< 1	< 2	< 10	18	< 10	3	13	0.21
1228022015	326	3.61	< 10	< 1	0.39	11	0.56	0.046	0.029	2.05	4	< 1	28	0.02	< 20	6	< 2	< 10	8	< 10	2	15	0.20
1229047104	274	3.21	< 10	< 1	0.83	82	1.31	0.114	0.165	0.42	2	3	189	0.13	< 20	1	< 2	< 10	49	< 10	7	3	0.52
1228022017	218	3.11	< 10	< 1	0.36	12	0.57	0.050	0.030	1.69	3	< 1	30	0.04	< 20	1	< 2	< 10	8	< 10	2	17	0.06
1229047093	210	2.18	< 10	< 1	0.26	18	1.00	0.159	0.042	1.28	2	1	124	< 0.01	< 20	< 1	< 2	< 10	14	< 10	2	12	0.12
1227040009	202	1.96	< 10	< 1	0.32	14	0.82	0.094	0.036	1.23	2	< 1	125	0.01	< 20	< 1	< 2	< 10	9	< 10	2	10	0.41
1227040104	241	2.53	< 10	< 1	0.23	16	0.73	0.089	0.041	1.46	< 2	< 1	105	0.02	< 20	< 1	< 2	< 10	12	< 10	2	11	0.21
1229047119	147	2.77	< 10	< 1	0.21	22	1.04	0.159	0.044	1.00	6	1	120	0.06	< 20	< 1	< 2	< 10	17	< 10	2	3	0.11
1227040192	337	2.39	< 10	< 1	0.27	16	0.91	0.156	0.044	0.31	3	1	225	0.03	< 20	< 1	< 2	< 10	17	< 10	2	2	0.31
1227040058	134	2.19	< 10	< 1	0.24	17	0.85	0.123	0.046	0.85	3	1	169	0.02	< 20	1	< 2	< 10	15	< 10	2	2	0.18
1230057197	190	1.82	< 10	< 1	0.42	13	0.60	0.031	0.038	1.39	3	< 1	26	< 0.01	< 20	< 1	< 2	< 10	7	< 10	2	8	0.83
1230057267	228	2.44	< 10	< 1	0.44	14	0.61	0.028	0.035	1.94	4	1	64	0.02	< 20	< 1	< 2	< 10	12	< 10	3	14	0.73
1230057210	347	2.07	< 10	< 1	0.52	18	0.57	0.049	0.040	0.61	5	1	61	0.05	< 20	< 1	< 2	< 10	19	< 10	4	11	0.60
1227040051	128	1.99	< 10	< 1	0.17	15	0.70	0.076	0.041	1.32	2	< 1	107	< 0.01	< 20	6	< 2	< 10	9	< 10	1	8	0.15
1227040125	115	2.02	< 10	< 1	0.30	16	0.89	0.278	0.042	0.35	< 2	1	184	0.02	< 20	< 1	< 2	< 10	15	< 10	2	4	0.14
v845124	9	1.67	< 10	< 1	0.09	< 10	0.13	0.147	0.030	0.02	< 2	1	23	0.29	< 20	10	< 2	< 10	39	< 10	9	18	0.06
1230057265	295	2.36	< 10	< 1	0.53	16	0.76	0.045	0.044	1.59	2	1	32	0.02	< 20	< 1	< 2	< 10	14	< 10	2	10	0.68
1227040208	229	2.25	< 10	< 1	0.25	18	1.08	0.081	0.049	0.58	3	2	97	0.02	< 20	< 1	< 2	< 10	20	< 10	2	3	0.35
1230057052	360	2.12	< 10	< 1	0.47	11	0.22	0.035	0.036	1.73	5	< 1	29	0.02	< 20	< 1	< 2	< 10	11	< 10	2	15	0.21
1230057262	362	2.28	< 10	< 1	0.40	16	0.62	0.056	0.040	1.20	5	2	38	0.05	< 20	< 1	< 2	< 10	22	< 10	3	10	0.54
1228023095	282	2.37	< 10	< 1	0.23	16	1.05	0.147	0.037	1.59	< 2	1	84	< 0.01	< 20	< 1	< 2	< 10	12	< 10	2	15	0.10
1230057016	396	2.79	< 10	< 1	0.39	16	0.69	0.083	0.045	1.68	4	2	60	0.04	< 20	< 1	< 2	< 10	18	< 10	3	15	0.30
1230057114	402	2.59	< 10	< 1	0.57	13	0.22	0.026	0.043	2.51	6	< 1	67	0.02	< 20	2	< 2	< 10	11	< 10	3	15	0.33
1227040295	234	2.25	< 10	< 1	0.26	17	0.96	0.155	0.046	0.44	< 2	1	187	0.01	< 20	< 1	< 2	< 10	15	< 10	2	3	0.24
1227040200	193	2.45	< 10	< 1	0.30	17	0.93	0.173	0.048	0.59	2	1	276	0.03	< 20	< 1	< 2	< 10	19	< 10	3	3	0.18
1227040209	316	2.27	< 10	< 1	0.24	18	1.14	0.079	0.050	0.59	3	3	94	0.01	< 20	< 1	< 2	< 10	23	< 10	2	4	0.62
1230057049	288	2.11	< 10	< 1	0.53	< 10	0.10	0.019	0.040	2.57	5	< 1	44	0.01	< 20	< 1	< 2	< 10	7	< 10	2	12	0.25
1227040300	212	2.34	< 10	< 1	0.26	18	0.92	0.147	0.049	0.66	2	1	119	0.02	< 20	< 1	< 2	< 10	16	< 10	2	2	0.19
1227040213	208	2.22	< 10	< 1	0.27	17	0.86	0.139	0.046	0.49	2	1	159	0.01	< 20	< 1	3	< 10	16	< 10	2	3	0.19
1227040313	160	2.18	< 10	< 1	0.28	18	0.73	0.114	0.047	0.33	5	2	141	0.04	< 20	< 1	< 2	< 10	18	< 10	2	2	0.21
1227040186	144	2.06	< 10	< 1	0.27	17	0.85	0.153	0.042	0.44	3	1	166	0.02	< 20	< 1	< 2	< 10	14	< 10	2	2	0.19
1230057015	210	2.16	< 10	< 1	0.57	11	0.23	0.033	0.042	2.17	6	1	39	0.02	< 20	< 1	< 2	< 10	11	< 10	3	14	0.19
1230057001	456	2.01	< 10	< 1	0.56	15	0.56	0.050	0.036	1.15	5	1	38	0.03	< 20	< 1	< 2	< 10	15	< 10	3	8	0.61
1227040307	234	2.33	< 10	< 1	0.26	19	0.95	0.148	0.050	0.40	< 2	1	198	0.01	< 20	< 1	< 2	< 10	17	< 10	2	2	0.20
1227040303	143	1.97	< 10	< 1	0.28	18	0.81	0.153	0.046	0.38	< 2	1	214	0.01	< 20	< 1	< 2	< 10	15	< 10	3	1	0.12
1228023080	237	2.04	< 10	< 1	0.28	14	1.08	0.117	0.040	1.38	< 2	1	64	< 0.01	< 20	2	< 2	< 10	13	< 10	2	14	0.11
v845125	12	3.13	< 10	< 1	0.26	17	0.44	0.161	0.044	0.04	< 2	3	49	0.30	< 20	7	< 2	< 10	60	< 10	18	13	0.39
1229049324	230	2.22	< 10	< 1	0.52	15	1.51	0.057	0.037	1.16	3	1	30	0.02	< 20	< 1	< 2	< 10	16	< 10	2	8	0.38
1229049199	571	2.55	< 10	< 1	0.49	15	1.12	0.113	0.036	2.14	5	< 1	62	0.01	< 20	< 1	< 2	< 10	10	< 10	2	11	1.04
1229049039	203	2.55	< 10	< 1	0.41	13	0.87	0.030	0.046	1.27	2	1	28	< 0.01	< 20	1	< 2	< 10	14	< 10	2	7	0.14
1229049019	171	2.79	< 10	< 1	0.36	16	1.23	0.028	0.041	2.51	< 2	< 1	26	< 0.01	< 20	< 1	< 2	< 10	10	< 10	2	8	0.26
1229049089	132	2.56	< 10	< 1	0.37	10	1.21	0.040	0.027	1.59	< 2	< 1	29	< 0.01	< 20	< 1	< 2	< 10	12	< 10	< 1	8	0.04

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	%	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	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1229049090	191	2.30	< 10	< 1	0.51	14	0.91	0.028	0.029	2.05	3	1	18	< 0.01	< 20	2	< 2	< 10	10	< 10	2	10	0.04
1229049283	295	2.62	< 10	< 1	0.43	22	1.20	0.115	0.048	1.73	3	2	77	0.03	< 20	< 1	< 2	< 10	20	< 10	3	8	0.45
1229049239	446	1.86	< 10	< 1	0.24	11	0.62	0.213	0.029	0.24	5	1	117	0.04	< 20	< 1	< 2	< 10	13	< 10	2	3	0.44
1228022306	329	3.51	< 10	< 1	0.30	16	0.92	0.104	0.031	1.87	4	1	92	0.02	< 20	3	< 2	< 10	13	< 10	2	12	0.17
1229049211	281	1.95	< 10	< 1	0.31	13	0.88	0.221	0.032	0.47	3	1	127	0.03	< 20	< 1	< 2	< 10	16	< 10	2	5	0.32
1229046147	285	2.69	< 10	< 1	0.40	15	1.02	0.192	0.047	1.72	5	2	85	0.04	< 20	3	< 2	< 10	32	< 10	3	13	0.41
1229049180	191	2.12	< 10	< 1	0.51	14	1.04	0.060	0.040	2.07	< 2	< 1	28	0.01	< 20	< 1	< 2	< 10	11	< 10	2	12	0.34
1228022337	197	3.61	< 10	< 1	0.51	15	1.09	0.045	0.040	1.96	3	1	26	0.02	< 20	9	< 2	< 10	13	< 10	2	15	0.15
1229046011	387	2.96	< 10	< 1	0.27	11	1.37	0.152	0.035	2.05	5	< 1	83	0.01	< 20	< 1	< 2	< 10	11	< 10	2	15	0.18
1228022270	254	3.70	< 10	< 1	0.37	13	0.89	0.093	0.039	1.90	3	1	77	0.01	< 20	< 1	< 2	< 10	12	< 10	2	15	0.31
1229049058	119	2.39	< 10	< 1	0.25	15	1.20	0.040	0.043	2.14	< 2	< 1	36	< 0.01	< 20	< 1	< 2	< 10	10	< 10	2	8	0.08
1228022302	331	3.91	< 10	< 1	0.28	21	0.99	0.137	0.034	2.15	4	< 1	103	< 0.01	< 20	< 1	2	< 10	11	< 10	3	11	0.21
1228022263	247	3.56	< 10	< 1	0.44	13	0.95	0.049	0.033	1.99	4	1	36	0.03	< 20	6	< 2	< 10	12	< 10	2	13	0.20
1228022251	280	4.39	< 10	< 1	0.27	12	1.56	0.090	0.035	1.55	3	1	80	0.02	< 20	< 1	< 2	< 10	18	< 10	2	15	0.23
v845126	12	3.82	< 10	< 1	0.43	30	0.77	0.177	0.084	0.08	< 2	5	52	0.44	< 20	8	< 2	< 10	119	< 10	23	9	0.10
1227040067	62	2.08	< 10	< 1	0.14	18	0.92	0.047	0.046	0.55	< 2	< 1	76	0.01	< 20	< 1	< 2	< 10	13	< 10	2	5	0.28
1227040106	108	2.13	< 10	< 1	0.27	15	0.76	0.093	0.043	0.93	< 2	1	113	0.02	< 20	< 1	< 2	< 10	15	< 10	2	6	0.09
1227040099	119	2.14	< 10	< 1	0.30	16	0.94	0.349	0.042	0.39	< 2	1	171	0.02	< 20	< 1	< 2	< 10	14	< 10	2	2	0.09
1227040304	241	2.17	< 10	< 1	0.24	17	0.99	0.161	0.049	0.37	< 2	1	215	< 0.01	< 20	< 1	< 2	< 10	16	< 10	2	4	0.25
1228023088	265	2.42	< 10	< 1	0.30	14	1.74	0.120	0.032	1.04	3	< 1	58	0.02	< 20	< 1	< 2	< 10	12	< 10	2	12	0.33
1228023001	396	2.61	< 10	< 1	0.19	17	1.12	0.153	0.042	1.51	3	1	97	< 0.01	< 20	10	< 2	< 10	14	< 10	2	16	0.24
1228023173	213	2.27	< 10	< 1	0.24	12	1.35	0.116	0.031	0.95	< 2	1	55	0.01	< 20	< 1	2	< 10	14	< 10	2	17	0.12
1230057034	199	5.41	< 10	< 1	0.21	< 10	1.74	0.368	0.039	0.69	5	10	53	0.14	< 20	< 1	< 2	< 10	109	< 10	4	6	0.36
1230057324	209	2.76	< 10	< 1	0.48	13	0.27	0.045	0.038	2.89	5	< 1	27	< 0.01	< 20	< 1	< 2	< 10	7	< 10	2	15	0.63
1230057227	177	1.88	< 10	< 1	0.30	16	0.38	0.048	0.037	1.69	2	< 1	43	< 0.01	< 20	< 1	< 2	< 10	6	< 10	1	8	0.44
1230057187	344	2.18	< 10	< 1	0.35	17	0.73	0.058	0.040	0.91	3	1	37	0.02	< 20	1	< 2	< 10	14	< 10	2	9	0.71
1230057428	105	2.01	< 10	< 1	0.42	19	0.51	0.093	0.038	0.77	< 2	1	39	0.06	< 20	3	< 2	< 10	13	< 10	2	9	0.23
1230057326	201	2.45	< 10	< 1	0.47	13	0.21	0.039	0.036	2.60	3	< 1	27	< 0.01	< 20	< 1	< 2	< 10	7	< 10	2	13	0.69
1228023006	292	2.28	< 10	< 1	0.34	14	1.28	0.187	0.038	1.65	< 2	< 1	87	0.03	< 20	< 1	< 2	< 10	12	< 10	2	15	0.16
1230057448	128	4.46	< 10	< 1	0.09	< 10	1.76	0.540	0.019	0.12	< 2	7	72	0.19	< 20	< 1	< 2	< 10	136	< 10	4	3	0.14
1230057177	251	1.71	< 10	< 1	0.54	14	0.40	0.020	0.033	1.39	3	< 1	136	0.01	< 20	< 1	< 2	< 10	8	< 10	2	10	0.59
1228023082	144	2.81	< 10	< 1	0.34	13	1.74	0.084	0.036	1.52	< 2	< 1	49	0.02	< 20	< 1	< 2	< 10	13	< 10	2	17	0.09
1230057407	94	2.41	< 10	< 1	0.33	18	0.29	0.064	0.039	2.01	< 2	< 1	32	0.03	< 20	< 1	< 2	< 10	9	< 10	2	12	0.14
1230057310	130	4.89	< 10	< 1	0.07	< 10	2.33	0.351	0.017	0.11	< 2	7	94	0.23	< 20	< 1	< 2	< 10	138	< 10	4	3	0.09
1228023155	298	3.24	< 10	< 1	0.22	14	1.09	0.181	0.040	2.46	4	1	90	< 0.01	< 20	1	< 2	< 10	14	< 10	2	21	0.23
1230057399	115	1.92	< 10	< 1	0.27	19	0.42	0.055	0.052	0.55	< 2	< 1	16	0.02	< 20	< 1	2	< 10	11	< 10	2	7	0.08
1228023124	416	1.60	< 10	< 1	0.25	13	0.79	0.204	0.036	1.02	3	< 1	126	< 0.01	< 20	1	< 2	< 10	10	< 10	2	8	0.15
1230057343	148	3.15	< 10	< 1	0.26	< 10	1.20	0.197	0.030	0.79	2	6	44	0.09	< 20	1	< 2	< 10	58	< 10	3	7	0.16
1228023182	182	2.39	< 10	< 1	0.20	11	1.14	0.210	0.031	1.72	< 2	< 1	105	0.01	< 20	1	< 2	< 10	9	< 10	2	13	0.14
1228023154	264	2.92	< 10	< 1	0.30	14	1.38	0.202	0.033	1.73	2	1	98	< 0.01	< 20	4	< 2	< 10	16	< 10	2	14	0.30
v845127	12	3.13	< 10	< 1	0.23	11	0.54	0.229	0.052	0.06	< 2	4	37	0.44	< 20	13	< 2	< 10	95	< 10	16	10	0.02
1229046124	396	2.67	< 10	< 1	0.28	14	1.18	0.181	0.038	1.29	4	1	89	0.01	< 20	< 1	< 2	< 10	16	< 10	3	12	0.26
1229046058	337	2.07	< 10	< 1	0.28	14	1.04	0.298	0.035	1.03	5	< 1	124	< 0.01	< 20	< 1	< 2	< 10	11	< 10	2	9	0.15
1229049136	357	2.50	< 10	< 1	0.35	16	1.02	0.221	0.042	1.64	3	1	164	0.02	< 20	1	< 2	< 10	18	< 10	2	8	0.29
1228022119	252	3.90	< 10	< 1	0.50	< 10	0.71	0.044	0.028	1.75	4	< 1	33	0.03	< 20	3	< 2	< 10	9	< 10	2	15	0.26
1229046105	218	2.76	< 10	< 1	0.31	17	0.86	0.154	0.040	1.81	3	< 1	66	0.01	< 20	< 1	< 2	< 10	12	< 10	2	15	0.20
1228022129	413	3.26	< 10	< 1	0.26	11	0.57	0.172	0.029	1.56	3	< 1	119	0.03	< 20	3	< 2	< 10	10	< 10	2	13	0.25
1228022238	258	2.60	< 10	< 1	0.24	< 10	0.79	0.204	0.032	1.31	4	1	109	< 0.01	< 20	2	< 2	< 10	13	< 10	2	14	0.09
1229049028	260	3.02	< 10	< 1	0.39	14	0.99	0.033	0.039	2.71	3	< 1	27	< 0.01	< 20	6	< 2	< 10	10	< 10	2	11	0.08
1229047022	176	2.38	< 10	< 1	0.46	17	1.10	0.048	0.044	0.78	3	1	40	0.01	< 20	< 1	< 2	< 10	15	< 10	2	7	0.17
1229049170	165	2.27	< 10	< 1	0.37	13	0.88	0.112	0.037	1.05	< 2	1	68	0.01	< 20	< 1	< 2	< 10	13	< 10	2	10	0.28

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	%	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	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1228022156	383	3.90	< 10	2	0.32	10	0.76	0.077	0.030	1.66	4	< 1	63	0.03	< 20	< 1	< 2	< 10	9	< 10	2	19	0.45
1228022232	345	2.30	< 10	< 1	0.17	< 10	0.92	0.253	0.029	0.78	4	1	140	< 0.01	< 20	< 1	< 2	< 10	15	< 10	2	10	0.14
1228022062	282	3.94	< 10	< 1	0.38	12	0.69	0.039	0.030	2.10	3	< 1	23	0.03	< 20	3	< 2	< 10	8	< 10	2	20	0.16
1229046110	340	2.69	< 10	< 1	0.39	14	1.05	0.241	0.039	1.35	5	1	94	0.03	< 20	< 1	< 2	< 10	17	< 10	3	13	0.23
1229046013	165	3.87	< 10	< 1	0.33	15	1.18	0.068	0.038	2.90	3	< 1	49	0.05	< 20	< 1	< 2	< 10	11	< 10	2	24	0.14
1229047033	305	2.15	< 10	< 1	0.22	18	0.82	0.154	0.038	1.12	3	1	121	< 0.01	< 20	< 1	< 2	< 10	15	< 10	2	9	0.09
1228022077	232	3.69	< 10	< 1	0.35	11	0.65	0.105	0.030	1.85	4	< 1	75	0.03	< 20	4	< 2	< 10	9	< 10	2	16	0.09
1228022204	316	4.50	< 10	< 1	0.39	10	0.77	0.053	0.032	2.47	3	< 1	41	0.03	< 20	4	< 2	< 10	8	< 10	2	20	0.28
1228022215	262	4.31	< 10	< 1	0.42	12	0.96	0.038	0.035	2.01	3	< 1	31	0.02	< 20	< 1	< 2	< 10	11	< 10	2	13	0.24
v845128	13	3.89	< 10	< 1	0.23	11	0.55	0.251	0.059	0.06	< 2	4	40	0.47	< 20	5	< 2	< 10	101	< 10	17	14	0.02
1335002087	433	2.55	< 10	< 1	0.33	17	1.07	0.095	0.047	0.32	3	3	53	0.10	< 20	2	< 2	< 10	40	< 10	4	9	0.36
1335002511	235	2.56	< 10	< 1	0.50	20	0.89	0.201	0.046	0.75	< 2	2	120	0.11	< 20	< 1	< 2	< 10	27	< 10	3	12	0.36
1229048040	440	3.22	< 10	< 1	0.40	36	1.12	0.071	0.113	1.21	3	3	85	0.07	< 20	5	< 2	< 10	39	< 10	6	4	0.75
1334501092	141	4.13	< 10	< 1	0.10	< 10	1.61	0.638	0.017	0.08	< 2	5	70	0.17	< 20	< 1	< 2	< 10	116	< 10	3	2	0.10
1334501044	131	4.72	< 10	< 1	0.10	< 10	2.08	0.526	0.018	0.09	< 2	6	65	0.24	< 20	4	< 2	< 10	144	< 10	4	3	0.09
1229048054	182	2.39	< 10	< 1	0.41	18	1.30	0.070	0.041	1.40	< 2	1	39	0.01	< 20	< 1	< 2	< 10	14	< 10	2	11	0.35
1229048052	405	2.63	< 10	< 1	0.50	19	1.12	0.065	0.046	1.31	2	2	40	0.04	< 20	< 1	< 2	< 10	20	< 10	3	8	0.60
1229048057	202	2.16	< 10	< 1	0.31	18	1.24	0.149	0.042	1.07	< 2	1	62	0.03	< 20	< 1	< 2	< 10	14	< 10	1	6	0.24
1229048167	368	2.81	< 10	< 1	0.21	17	1.01	0.198	0.040	1.26	3	2	149	0.03	< 20	< 1	< 2	< 10	24	< 10	2	8	0.24
1229049621	266	2.94	< 10	< 1	0.48	24	1.27	0.070	0.057	2.10	3	2	38	0.04	< 20	< 1	< 2	< 10	25	< 10	3	9	0.45
1232090035	225	6.46	< 10	< 1	0.51	26	1.71	0.123	0.122	4.60	3	7	103	0.10	< 20	2	< 2	< 10	93	< 10	12	19	0.68
1229048350	317	2.17	< 10	< 1	0.44	15	1.26	0.096	0.037	1.03	2	1	65	0.05	< 20	< 1	< 2	< 10	16	< 10	2	8	0.37
1229045102	251	2.46	< 10	< 1	0.34	12	1.50	0.233	0.033	1.14	3	1	129	0.02	< 20	3	< 2	< 10	15	< 10	2	15	0.27
1229048163	450	3.43	< 10	< 1	0.33	70	2.32	0.136	0.160	0.69	4	6	282	0.13	< 20	3	< 2	< 10	60	< 10	5	3	0.53
1229048311	235	2.69	< 10	< 1	0.58	24	1.30	0.066	0.054	1.23	4	2	45	0.07	< 20	1	< 2	< 10	27	< 10	3	6	0.29
1229048001	475	2.89	< 10	< 1	0.36	14	0.96	0.114	0.038	1.71	5	1	51	< 0.01	< 20	< 1	< 2	< 10	12	< 10	2	12	0.64
1229048309	224	2.47	< 10	< 1	0.52	21	1.30	0.065	0.051	1.09	< 2	2	45	0.07	< 20	< 1	< 2	< 10	24	< 10	3	8	0.31
1229048005	472	2.64	< 10	< 1	0.33	25	1.30	0.054	0.069	0.80	4	3	62	0.06	< 20	4	< 2	< 10	32	< 10	4	8	0.58
1229049192	156	2.74	< 10	< 1	0.41	16	1.03	0.025	0.044	2.04	< 2	1	16	0.02	< 20	2	< 2	< 10	14	< 10	2	11	0.24
1229049293	268	2.41	< 10	< 1	0.42	19	1.15	0.072	0.044	1.40	3	1	49	< 0.01	< 20	< 1	< 2	< 10	15	< 10	2	8	0.30
1229049084	151	3.30	< 10	< 1	0.39	16	0.96	0.035	0.046	1.94	3	2	29	0.02	< 20	< 1	< 2	< 10	16	< 10	2	10	0.14
1232090024	225	4.38	< 10	< 1	0.29	< 10	1.44	0.076	0.070	2.67	2	10	32	0.09	< 20	2	< 2	< 10	117	< 10	11	11	0.32
1229048016	342	2.37	< 10	< 1	0.36	15	1.22	0.100	0.037	0.99	3	1	66	0.02	< 20	2	< 2	< 10	16	< 10	2	9	0.30
v845129	11	4.06	< 10	< 1	0.31	12	0.69	0.178	0.065	0.07	3	5	34	0.42	< 20	5	< 2	< 10	125	< 10	17	13	0.04

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1229043147	1.13	
1228020162	2.25	
1228020154	1.76	
1228020077	2.39	
v845123	0.07	
1229047050	0.86	
1229047081	0.79	
1228022075	1.30	
1228022197	2.25	
1228022187	1.94	
1228022015	1.96	
1229047104	0.40	
1228022017	1.73	
1229047093	1.24	
1227040009	1.15	
1227040104	1.46	
1229047119	0.90	
1227040192	0.32	
1227040058	0.83	
1230057197	1.35	
1230057267	1.95	
1230057210	0.57	
1227040051	1.35	
1227040125	0.33	
v845124	0.02	
1230057265	1.53	
1227040208	0.59	
1230057052	1.77	
1230057262	1.29	
1228023095	1.59	
1230057016	1.68	
1230057114	2.48	
1227040295	0.44	
1227040200	0.58	
1227040209	0.59	
1230057049	2.55	
1227040300	0.68	
1227040213	0.45	
1227040313	0.33	
1227040186	0.44	
1230057015	2.19	
1230057001	1.23	
1227040307	0.39	
1227040303	0.38	
1228023080	1.44	
v845125	0.04	
1229049324	1.19	
1229049199	2.07	
1229049039	1.34	
1229049019	2.49	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1229049089	1.63	
1229049090	2.03	
1229049283	1.70	
1229049239	0.25	
1228022306	2.02	
1229049211	0.48	
1229046147	1.80	
1229049180	1.94	
1228022337	1.87	
1229046011	1.92	
1228022270	1.77	
1229049058	2.08	
1228022302	2.20	
1228022263	2.09	
1228022251	1.64	
v845126	0.08	
1227040067	0.58	
1227040106	0.92	
1227040099	0.36	
1227040304	0.37	
1228023088	1.14	
1228023001	1.51	
1228023173	0.94	
1230057034	0.71	
1230057324	2.66	
1230057227	1.75	
1230057187	0.85	
1230057428	0.73	
1230057326	2.47	
1228023006	1.69	
1230057448	0.12	
1230057177	1.44	
1228023082	1.46	
1230057407	2.00	
1230057310	0.12	
1228023155	2.24	
1230057399	0.59	
1228023124	1.14	
1230057343	0.86	
1228023182	1.68	
1228023154	1.74	
v845127	0.06	
1229046124	1.42	
1229046058	1.18	
1229049136	1.67	
1228022119	1.83	19.3
1229046105	1.83	
1228022129	1.70	
1228022238	1.37	
1229049028	2.59	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1229047022	0.74	
1229049170	0.97	
1228022156	1.67	
1228022232	0.79	
1228022062	2.10	
1229046110	1.21	
1229046013	2.87	
1229047033	1.05	
1228022077	1.79	
1228022204	2.33	
1228022215	1.86	
v845128	0.06	
1335002087	0.29	
1335002511	0.70	
1229048040	1.19	
1334501092	0.08	
1334501044	0.09	
1229048054	1.32	
1229048052	1.26	
1229048057	0.98	
1229048167	1.29	
1229049621	1.90	
1232090035	4.45	
1229048350	0.95	
1229045102	1.08	
1229048163	0.68	
1229048311	1.17	
1229048001	1.58	
1229048309	1.04	
1229048005	0.74	
1229049192	1.92	
1229049293	1.31	
1229049084	1.84	
1232090024	2.76	
1229048016	0.98	
v845129	0.08	

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas								0.3	< 0.5	74	1050	1	23	94	126	6.48	248	< 10	737	0.9	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	73	1030	1	25	94	125	6.38	245	< 10	721	0.8	< 2	0.12	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	13.8
GXR-6 Meas								0.3	< 0.5	68	1030	< 1	23	96	123	6.02	246	< 10	731	0.8	< 2	0.12	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	13.8
BaSO4 Meas																							
BaSO4 Cert																							
BaSO4 Meas																							
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GS311-4 Cert																							
OREAS 45d (Aqua Regia) Meas										359	422		210	16	37	5.26	6		88		< 2	0.10	17

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 45d (Aqua Regia) Cert										345.0	400.000		176.0	17.00	30.6	4.860	6.50		80		0.30	0.09	26.2
NBM-1 (slight fzz) Meas		42.4				8.36																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.9				8.56																	
NBM-1 (slight fzz) Cert		46.6				8.53																	
NBM-1 (slight fzz) Meas		42.4																					
NBM-1 (slight fzz) Cert		46.6																					
OREAS 922 (AQUA REGIA) Meas								0.9	< 0.5	2230	759	< 1	33	58	265	2.56	6		92	0.8	4	0.43	17
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								0.9	< 0.5	2330	737	< 1	34	56	249	2.62	8		82	0.8	5	0.42	17
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								0.9	< 0.5	2320	723	< 1	32	58	245	2.57	11		76	0.7	< 2	0.40	17
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								0.9	< 0.5	2340	774	< 1	37	57	266	2.70	7		88	0.8	2	0.44	18
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	4300	869	< 1	31	84	354	2.62	10		76	0.7	14	0.43	20
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	4540	848	< 1	35	85	333	2.72	11		63	0.7	4	0.42	19
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								1.7	< 0.5	4560	856	< 1	35	81	341	2.67	8		54	0.7	< 2	0.41	20
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)								1.4	< 0.5	4480	876	< 1	34	90	340	2.63	5		67	0.7	11	0.43	20

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
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								10.9		> 10000				84	415						< 2		42
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								11.2		> 10000				88	425						< 2		43
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
Oreas 96 (Aqua Regia) Meas								10.7		> 10000				88	424						< 2		41
Oreas 96 (Aqua Regia) Cert								11.50		39100.00				100	448						27.9		49.2
OREAS 520 (Aqua Regia) Meas										2810	2040	55	66	< 2	19	1.34	138			0.6	< 2	3.46	180
OREAS 520 (Aqua Regia) Cert										2960	2280	62.0	73.0	5.22	20.7	1.56	152			0.540	2.90	3.84	196
OREAS 522 (Aqua Regia) Meas								1.3		8500	3090	166	54	9	24	1.15	425			< 0.5	3	2.89	479
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	533
OREAS 907 (Aqua Regia) Meas								1.4	< 0.5	6160	342	5	4	35	151	1.15	36		263	1.1	20	0.28	44
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	22.3	0.280	43.7
OREAS 218 Meas							536																
OREAS 218 Cert							531																
OREAS 218 Meas							551																
OREAS 218 Cert							531																
OREAS 218 Meas							538																
OREAS 218 Cert							531																
OREAS 218 Meas							546																
OREAS 218 Cert							531																
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas								72.9	287	3550	525	12	24	> 5000	> 10000	1.58	79			0.6	2	1.70	30
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								73.6	296	3850	552	13	26	> 5000	> 10000	1.67	83			0.6	< 2	1.77	29
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
Oreas 621 (Aqua Regia) Meas								68.9	274	3590	519	13	23	> 5000	> 10000	1.56	80			0.6	< 2	1.67	28
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Meas								68.8	273	3580	522	13	28	> 5000	> 10000	1.58	77			0.6	< 2	1.68	28
Oreas 621 (Aqua Regia) Cert								68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas							3030																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3180																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3070																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 238 (Fire Assay) Meas							3100																
OREAS 238 (Fire Assay) Cert							3030																
OREAS 263 (Aqua Regia) Meas								0.3	< 0.5	90	514	1	75	37	140	1.80	32		219	1.6	< 2	1.13	34
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	0.570	1.03	31.0
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 130 (Aqua Regia) Meas								6.2	28.8	225	1590	7	31	1330	> 10000	1.15	199				< 2	1.74	23
OREAS 130 (Aqua Regia) Cert								6.27	28.8	226	1630	8.25	35.2	1300	16900	1.10	205				3.05	1.81	27.1
OREAS 153b (Aqua Regia) Meas								1.5	< 0.5	6730	266	166	10	12	121	2.44	82		33	< 0.5	< 2	1.39	14
OREAS 153b (Aqua Regia) Cert								1.40	0.240	6700	240	156	11.1	12.4	118	2.28	80.0		22.8	0.180	1.81	1.32	14.9
Oreas 623 (Aqua								19.3	49.9	> 10000	522	8	12	2330	9440	1.57	77			< 0.5	9	1.02	218

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 623 (Aqua Regia) Cert								20.4	52.0	17200	570	8.38	15.6	2520	10100	1.80	76.0			0.370	16.9	1.09	216
1229047081 Orig								< 0.2	< 0.5	21	642	1	14	3	185	2.70	9	< 10	75	< 0.5	< 2	1.75	6
1229047081 Dup								< 0.2	< 0.5	21	640	< 1	14	3	182	2.71	8	< 10	76	< 0.5	< 2	1.75	6
1228022075 Orig								1.0	< 0.5	214	296	< 1	17	4	33	1.94	7	< 10	41	< 0.5	3	0.85	3
1228022075 Dup								0.5	< 0.5	225	281	< 1	18	3	32	1.91	8	< 10	41	< 0.5	4	0.82	3
1228022187 Orig							196																
1228022187 Dup							204																
1230057197 Orig							383																
1230057197 Dup							354																
1230057267 Orig								1.2	2.6	74	1160	< 1	15	343	637	0.91	89	< 10	24	< 0.5	< 2	1.58	7
1230057267 Dup								1.4	2.6	78	1200	< 1	16	352	638	0.92	89	< 10	25	< 0.5	< 2	1.63	7
1228023095 Orig							36																
1228023095 Dup							34																
1230057016 Orig																							
1230057016 Dup																							
1227040209 Orig								< 0.2	< 0.5	26	433	< 1	37	3	66	2.58	11	< 10	54	< 0.5	< 2	1.99	9
1227040209 Dup								< 0.2	< 0.5	27	436	< 1	35	5	67	2.55	19	< 10	56	< 0.5	< 2	2.01	10
1230057015 Orig																							
1230057015 Dup																							
1227040303 Orig							16																
1227040303 Dup							16																
1229049039 Orig	35.6	13.9	-21.8	41.0	0.338																		
1229049039 Dup	35.6	13.8	-21.8	41.0	0.337																		
1229049090 Orig																							
1229049090 Dup																							
1228022306 Orig							598																
1228022306 Dup							558																
1229049180 Orig								0.9	0.7	43	701	1	16	37	234	1.66	23	< 10	22	< 0.5	< 2	1.54	7
1229049180 Dup								1.0	0.6	44	704	1	15	37	240	1.71	22	< 10	25	< 0.5	< 2	1.56	7
1229049058 Orig																							
1229049058 Dup																							
1227040067 Orig							33																
1227040067 Dup							33																
1228023001 Orig								1.0	< 0.5	608	375	2	21	3	59	1.90	12	< 10	36	< 0.5	47	1.03	7
1228023001 Dup								1.0	< 0.5	547	351	2	22	4	56	1.78	12	< 10	37	< 0.5	38	0.98	7
1228023173 Orig																							
1228023173 Dup																							
1230057034 Orig						8.39																	
1230057034 Dup						8.42																	
1228023082 Orig																							
1228023082 Dup																							
1230057310 Orig								< 0.2	< 0.5	102	643	< 1	60	< 2	65	4.21	< 2	< 10	21	< 0.5	< 2	3.35	24
1230057310 Dup								< 0.2	< 0.5	98	628	< 1	59	< 2	62	4.06	6	< 10	21	< 0.5	< 2	3.22	23
1228023182 Orig							52																
1228023182 Dup							38																
1229046058 Orig																							
1229046058 Dup																							

Analyte Symbol	AP	NP	NNP	MPA	NP:MPA Ratio	Paste pH	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co
Unit Symbol	kg CaCO3/t	kg CaCO3/t	-	kg CaCO3/t	Ratio	-	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit						0.01	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1
Method Code	TITR	TITR	Calc	TITR	Calc	pH Meter	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1229046105 Orig	48.6	14.7	-34.0	56.0	0.262																		
1229046105 Dup	48.6	14.8	-33.9	56.0	0.263																		
1228022238 Orig								0.6	< 0.5	329	248	2	20	6	32	2.70	24	< 10	32	< 0.5	4	1.05	2
1228022238 Dup								0.7	< 0.5	325	251	2	16	6	32	2.74	11	< 10	39	< 0.5	3	1.07	2
1229049028 Orig							500																
1229049028 Dup							456																
1228022232 Orig																							
1228022232 Dup																							
1229048040 Orig							66	0.4	< 0.5	159	515	2	26	5	163	1.77	25	< 10	13	< 0.5	< 2	2.19	11
1229048040 Dup							55	0.4	< 0.5	155	486	2	24	6	157	1.72	32	< 10	14	< 0.5	< 2	2.12	11
1229049621 Orig							115																
1229049621 Dup							116																
1229048309 Orig								0.4	< 0.5	20	712	< 1	20	27	124	2.56	31	20	60	< 0.5	< 2	2.29	9
1229048309 Dup								0.4	< 0.5	18	680	1	20	29	121	2.51	25	19	53	< 0.5	< 2	2.23	9
1229049192 Orig						8.31																	
1229049192 Dup						8.31																	
1229048016 Orig	22.2	27.6	5.40	30.0	0.919		90																
1229048016 Dup	22.2	27.6	5.41	30.0	0.919		90																
v845129 Orig																							
v845129 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								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1
Method Blank								< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	%	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	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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	79	5.90	20	< 1	1.21	< 10	0.41	0.072	0.032	0.01	3	17	27		< 20	< 1	< 2	< 10	178	< 10	4	7	
GXR-6 Cert	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		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	78	5.75	20	< 1	1.18	< 10	0.41	0.070	0.032	0.01	5	17	27		< 20	2	< 2	< 10	174	< 10	4	7	
GXR-6 Cert	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		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	77	5.90	20	< 1	1.14	< 10	0.38	0.065	0.033	0.02	4	17	26		< 20	< 1	< 2	< 10	169	< 10	4	10	
GXR-6 Cert	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		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
BaSO4 Meas																							
BaSO4 Cert																							
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BaSO4 Meas																							
BaSO4 Cert																							
SGR-1b Meas																							27.7
SGR-1b Cert																							28
SGR-1b Meas																							27.7
SGR-1b Cert																							28
SGR-1b Meas																							28.3
SGR-1b Cert																							28
SGR-1b Meas																							28.0
SGR-1b Cert																							28
SGR-1b Meas																							27.9
SGR-1b Cert																							28
SGR-1b Meas																							28.0
SGR-1b Cert																							28
SGR-1b Meas																							28.0
SGR-1b Cert																							28
GS311-4 Meas																							1.09
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
GS311-4 Meas																							1.11
GS311-4 Cert																							1.11
GS311-4 Meas																							1.10
GS311-4 Cert																							1.11
OREAS 45d (Aqua Regia) Meas	508	14.0	20		0.12	11	0.16	0.042	0.034	0.04		43	14		< 20			< 10	212		4		
OREAS 45d (Aqua Regia) Cert	467	13.650	17.9		0.097	9.960	0.144	0.031	0.035	0.045		41.50	11.0		11.3			1.64	201.0		5.08		
NBM-1 (slight fzz)																							

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	%	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	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
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	48	5.11	< 10		0.48	40	1.31	0.030	0.064	0.39	< 2	4	17		< 20		< 2	< 10	38	< 10	22	35	
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		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	44	5.18	< 10		0.51	39	1.36	0.027	0.057	0.36	2	4	17		< 20		< 2	< 10	36	< 10	21	14	
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		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	42	5.03	< 10		0.48	38	1.36	0.025	0.057	0.36	4	4	16		< 20		< 2	< 10	35	< 10	20	18	
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		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	45	5.44	< 10		0.53	39	1.37	0.028	0.061	0.40	< 2	4	17		< 20		< 2	< 10	37	< 10	22	9	
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		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	46	6.01	< 10		0.41	37	1.35		0.061	0.70	2	4	15		< 20		< 2	< 10	38	< 10	21	38	
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		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	42	6.07	< 10		0.44	36	1.47		0.056	0.68	3	4	15		< 20		< 2	< 10	36	< 10	19	25	
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		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	40	6.18	< 10		0.42	35	1.45		0.058	0.69	3	4	15		< 20		< 2	< 10	35	< 10	19	25	
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		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	41	6.34	< 10		0.44	35	1.41		0.058	0.72	3	4	15		< 20		< 2	< 10	36	< 10	20	9	
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		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas										3.80	8												

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	%	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	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										4.24	6												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
Oreas 96 (Aqua Regia) Meas										3.61	7												
Oreas 96 (Aqua Regia) Cert										4.38	4.53												
OREAS 520 (Aqua Regia) Meas	36	15.9	10		0.47	69	1.06	0.061	0.068	0.93	6	11	31	0.16	< 20	< 1	< 2	10	238	26	13	43	
OREAS 520 (Aqua Regia) Cert	37.4	15.74	13.7		0.506	83.0	1.14	0.0520	0.0740	1.03	1.97	11.8	36.0	0.135	8.03	0.33	0.0900	14.9	247	29.6	14.3	28.0	
OREAS 522 (Aqua Regia) Meas	26	22.7	< 10		0.53	115	0.94		0.078	2.28	10	7	33	0.15	< 20	< 1	< 2	31	144	84	13	55	
OREAS 522 (Aqua Regia) Cert	28.6	24.13	13.2		0.528	192	1.07		0.0890	2.59	5.39	8.18	64.0	0.146	7.33	1.11	0.130	40.2	153	113	14.9	45.7	
OREAS 907 (Aqua Regia) Meas	9	8.12	20		0.36	40	0.22	0.097	0.025	0.06	4	2	14	0.03	< 20	< 1	< 2	< 10	7	< 10	8	58	
OREAS 907 (Aqua Regia) Cert	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	6.52	43.7	
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 229 (Fire Assay) Meas																							
OREAS 229 (Fire Assay) Cert																							
Oreas 621 (Aqua Regia) Meas	34	3.42	10	4	0.36	21	0.43	0.170	0.035	4.77	122	3	20		< 20		< 2	< 10	13	< 10	8	81	
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	31	3.72	10	5	0.40	21	0.47	0.165	0.032	4.82	109	3	19		< 20		< 2	< 10	13	< 10	8	64	
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	28	3.38	10	5	0.38	20	0.43	0.155	0.030	4.49	99	2	18		< 20		< 2	< 10	13	< 10	8	58	
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	31	3.45	< 10	3	0.39	20	0.43	0.156	0.030	4.61	102	2	18		< 20		< 2	< 10	13	< 10	8	64	
Oreas 621 (Aqua Regia) Cert	31.3	3.43	9.29	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire																							

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	%	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	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-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) 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 263 (Aqua Regia) Meas	66	3.85	< 10	< 1	0.43		0.63	0.095	0.045	0.13	11	4	21		< 20	2	< 2	< 10	33		15		
OREAS 263 (Aqua Regia) Cert	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		12.0		
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																							0.04
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.07
GS316-3 Cert																							0.0600
GS316-3 Meas																							0.05
GS316-3 Cert																							0.0600
OREAS 130 (Aqua Regia) Meas	25	7.02	< 10	2	0.55	25	0.89		0.084	6.31	10	4	22	0.03	< 20	< 1	2	< 10	40	16	14	34	
OREAS 130 (Aqua Regia) Cert	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	13.0	19.0	
OREAS 153b (Aqua Regia) Meas	18	3.79	< 10	< 1	0.41	< 10	1.44	0.167	0.049	1.30	3	11	37	0.07	< 20	< 1	< 2	< 10	173		10	5	
OREAS 153b (Aqua Regia) Cert	16.2	3.60	8.06	0.0660	0.365	3.79	1.47	0.148	0.0470	1.27	2.12	9.98	31.4	0.0500	0.350	0.250	0.0640	0.0610	153		9.38	0.860	
Oreas 623 (Aqua Regia) Meas	18	12.5	10	1	0.19	18	1.00	0.077	0.043	8.97	25	5	15		< 20	7	< 2	< 10	19	< 10	8	72	
Oreas 623 (Aqua Regia) Cert	19.4	13.0	11.9	0.830	0.175	17.9	1.11	0.0680	0.0400	8.75	20.2	4.63	14.2		4.72	0.570	0.260	1.43	15.8	2.62	7.43	50.0	
1229047081 Orig	275	2.25	< 10	< 1	0.24	22	1.05	0.139	0.049	0.86	3	1	100	0.06	< 20	1	< 2	< 10	15	< 10	2	19	
1229047081 Dup	266	2.26	< 10	< 1	0.24	22	1.04	0.140	0.050	0.86	2	1	101	0.06	< 20	< 1	< 2	< 10	15	< 10	2	17	
1228022075 Orig	440	3.67	< 10	< 1	0.35	12	0.78	0.061	0.031	1.43	5	< 1	47	0.03	< 20	5	< 2	< 10	9	< 10	2	14	
1228022075 Dup	423	3.48	< 10	< 1	0.36	11	0.79	0.064	0.030	1.35	5	< 1	46	0.03	< 20	< 1	< 2	< 10	9	< 10	2	14	
1228022187 Orig																							0.21
1228022187 Dup																							0.21
1230057197 Orig																							0.83
1230057197 Dup																							0.83

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	%	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	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1230057267 Orig	222	2.39	< 10	< 1	0.44	14	0.61	0.028	0.034	1.90	3	1	64	0.02	< 20	< 1	< 2	< 10	12	< 10	3	13	
1230057267 Dup	234	2.49	< 10	< 1	0.45	14	0.62	0.028	0.035	1.98	5	1	64	0.02	< 20	2	< 2	< 10	12	< 10	3	14	
1228023095 Orig																							
1228023095 Dup																							
1230057016 Orig																							0.31
1230057016 Dup																							0.30
1227040209 Orig	315	2.25	< 10	< 1	0.24	18	1.14	0.079	0.050	0.58	2	3	95	0.01	< 20	< 1	< 2	< 10	23	< 10	2	4	
1227040209 Dup	317	2.29	< 10	< 1	0.24	18	1.13	0.079	0.050	0.59	4	3	94	0.01	< 20	< 1	< 2	< 10	23	< 10	2	5	
1230057015 Orig																							0.19
1230057015 Dup																							0.19
1227040303 Orig																							
1227040303 Dup																							
1229049039 Orig																							
1229049039 Dup																							
1229049090 Orig																							0.03
1229049090 Dup																							0.04
1228022306 Orig																							
1228022306 Dup																							
1229049180 Orig	191	2.11	< 10	< 1	0.50	14	1.03	0.059	0.040	2.06	4	< 1	28	0.01	< 20	< 1	< 2	< 10	10	< 10	2	12	
1229049180 Dup	191	2.13	< 10	< 1	0.52	15	1.06	0.060	0.040	2.07	< 2	1	29	0.01	< 20	< 1	< 2	< 10	11	< 10	2	12	
1229049058 Orig																							0.07
1229049058 Dup																							0.08
1227040067 Orig																							
1227040067 Dup																							
1228023001 Orig	409	2.72	< 10	< 1	0.19	17	1.16	0.156	0.044	1.56	2	1	99	0.01	< 20	11	< 2	< 10	15	< 10	2	16	
1228023001 Dup	384	2.51	< 10	< 1	0.18	16	1.08	0.149	0.041	1.45	3	1	95	< 0.01	< 20	8	< 2	< 10	14	< 10	2	16	
1228023173 Orig																							0.12
1228023173 Dup																							0.12
1230057034 Orig																							
1230057034 Dup																							
1228023082 Orig																							0.09
1228023082 Dup																							0.09
1230057310 Orig	131	4.94	< 10	< 1	0.07	< 10	2.38	0.357	0.017	0.11	4	7	96	0.23	< 20	2	< 2	< 10	139	< 10	4	3	
1230057310 Dup	128	4.84	< 10	< 1	0.07	< 10	2.28	0.345	0.017	0.11	< 2	7	92	0.22	< 20	< 1	< 2	< 10	137	< 10	4	3	
1228023182 Orig																							
1228023182 Dup																							
1229046058 Orig																							0.16
1229046058 Dup																							0.14
1229046105 Orig																							
1229046105 Dup																							
1228022238 Orig	259	2.54	< 10	< 1	0.24	< 10	0.78	0.201	0.031	1.28	5	1	109	< 0.01	< 20	3	< 2	< 10	13	< 10	2	14	
1228022238 Dup	258	2.66	< 10	< 1	0.24	< 10	0.80	0.207	0.032	1.34	3	1	110	< 0.01	< 20	1	< 2	< 10	13	< 10	2	15	
1229049028 Orig																							
1229049028 Dup																							
1228022232 Orig																							0.14
1228022232 Dup																							0.14
1229048040 Orig	450	3.33	< 10	< 1	0.41	37	1.13	0.072	0.116	1.26	3	3	85	0.07	< 20	3	< 2	< 10	39	< 10	6	4	0.75
1229048040 Dup	430	3.12	< 10	< 1	0.40	36	1.12	0.071	0.109	1.17	4	3	84	0.07	< 20	7	< 2	< 10	38	< 10	6	4	0.75
1229049621 Orig																							
1229049621 Dup																							
1229048309 Orig	225	2.55	< 10	< 1	0.53	22	1.32	0.067	0.052	1.12	< 2	2	46	0.07	< 20	9	< 2	< 10	24	< 10	3	8	

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	C-Total
Unit Symbol	ppm	%	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	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	CS
1229048309 Dup	223	2.38	< 10	< 1	0.51	21	1.29	0.064	0.049	1.07	3	2	45	0.07	< 20	< 1	< 2	< 10	23	< 10	3	7	
1229049192 Orig																							
1229049192 Dup																							
1229048016 Orig																							
1229048016 Dup																							
v845129 Orig																							0.04
v845129 Dup																							0.04
Method Blank																							
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	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 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	14.1	
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	13.7	
BaSO4 Cert	14.0	
BaSO4 Meas	13.7	
BaSO4 Cert	14.0	
BaSO4 Meas	14.3	
BaSO4 Cert	14.0	
SGR-1b Meas	1.49	
SGR-1b Cert	1.53	
SGR-1b Meas	1.49	
SGR-1b Cert	1.53	
SGR-1b Meas	1.57	
SGR-1b Cert	1.53	
SGR-1b Meas	1.58	
SGR-1b Cert	1.53	
SGR-1b Meas	1.55	
SGR-1b Cert	1.53	
SGR-1b Meas	1.55	
SGR-1b Cert	1.53	
SGR-1b Meas	1.55	
SGR-1b Cert	1.53	
GS311-4 Meas	0.50	
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	
GS311-4 Meas	0.55	
GS311-4 Cert	0.54	
GS311-4 Meas	0.56	
GS311-4 Cert	0.54	
OREAS 45d (Aqua Regia) Meas		
OREAS 45d (Aqua Regia) 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 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	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 96 (Aqua Regia) Meas		
Oreas 96 (Aqua Regia) Cert		
OREAS 520 (Aqua Regia) Meas		
OREAS 520 (Aqua Regia) Cert		
OREAS 522 (Aqua Regia) Meas		
OREAS 522 (Aqua Regia) Cert		
OREAS 907 (Aqua Regia) Meas		
OREAS 907 (Aqua Regia) Cert		
OREAS 218 Meas		
OREAS 218 Cert		
OREAS 218 Meas		
OREAS 218 Cert		
OREAS 218 Meas		
OREAS 218 Cert		
OREAS 218 Meas		
OREAS 218 Cert		
OREAS 229 (Fire Assay) Meas		11.7
OREAS 229 (Fire Assay) Cert		12.1
Oreas 621 (Aqua Regia) Meas		
Oreas 621 (Aqua Regia) Cert		
Oreas 621 (Aqua Regia) Meas		
Oreas 621 (Aqua Regia) Cert		
Oreas 621 (Aqua Regia) Meas		
Oreas 621 (Aqua Regia) Cert		
Oreas 621 (Aqua Regia) Meas		
Oreas 621 (Aqua Regia) Cert		
OREAS 229b (Fire Assay) Meas		12.1

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
OREAS 229b (Fire Assay) Cert		11.9
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 263 (Aqua Regia) Meas		
OREAS 263 (Aqua Regia) Cert		
GS316-3 Meas	0.32	
GS316-3 Cert	0.340	
GS316-3 Meas	0.32	
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	0.33	
GS316-3 Cert	0.340	
OREAS 130 (Aqua Regia) Meas		
OREAS 130 (Aqua Regia) Cert		
OREAS 153b (Aqua Regia) Meas		
OREAS 153b (Aqua Regia) Cert		
Oreas 623 (Aqua Regia) Meas		
Oreas 623 (Aqua Regia) Cert		
1229047081 Orig		
1229047081 Dup		
1228022075 Orig		
1228022075 Dup		

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1228022187 Orig	1.94	
1228022187 Dup	1.93	
1230057197 Orig	1.37	
1230057197 Dup	1.34	
1230057267 Orig		
1230057267 Dup		
1228023095 Orig		
1228023095 Dup		
1230057016 Orig	1.68	
1230057016 Dup	1.68	
1227040209 Orig		
1227040209 Dup		
1230057015 Orig	2.19	
1230057015 Dup	2.19	
1227040303 Orig		
1227040303 Dup		
1229049039 Orig		
1229049039 Dup		
1229049090 Orig	2.04	
1229049090 Dup	2.03	
1228022306 Orig		
1228022306 Dup		
1229049180 Orig		
1229049180 Dup		
1229049058 Orig	2.11	
1229049058 Dup	2.05	
1227040067 Orig		
1227040067 Dup		
1228023001 Orig		
1228023001 Dup		
1228023173 Orig	0.96	
1228023173 Dup	0.92	
1230057034 Orig		
1230057034 Dup		
1228023082 Orig	1.45	
1228023082 Dup	1.47	
1230057310 Orig		
1230057310 Dup		
1228023182 Orig		
1228023182 Dup		
1229046058 Orig	1.19	
1229046058 Dup	1.18	
1229046105 Orig		
1229046105 Dup		
1228022238 Orig		
1228022238 Dup		
1229049028 Orig		
1229049028 Dup		
1228022232 Orig	0.77	
1228022232 Dup	0.82	

Analyte Symbol	Total S	Au
Unit Symbol	%	g/tonne
Lower Limit	0.01	0.02
Method Code	CS	FA-GRA
1229048040 Orig	1.20	
1229048040 Dup	1.18	
1229049621 Orig		
1229049621 Dup		
1229048309 Orig		
1229048309 Dup		
1229049192 Orig		
1229049192 Dup		
1229048016 Orig		
1229048016 Dup		
v845129 Orig	0.08	
v845129 Dup	0.08	
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		< 0.02
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		