May 13, 2024

Joyce Ackerman
On-Scene Coordinator
U.S. Environmental Protection Agency Region 8
1595 Wynkoop St.
Denver, CO 80202

Subject: **Garner Street Soils Letter Report – Final (Revision 3)**
Colorado Springs, El Paso County, Colorado
EPA Contract No. 68HE0820D0001
TD No: 2359-2402-12
DTN: 0611c

Dear Ms. Ackerman:

Tetra Tech, Inc. (Tetra Tech) is pleased to submit the following letter report for the Garner Street Soils Site (Site) in Colorado Springs, El Paso County, Colorado. The Superfund Technical Assessment and Response Team (START) assisted the U.S. Environmental Protection Agency (EPA) with removal assessment activities at the Site from May 16 through 19, 2022. Enclosure 1 provides figures that depict the site location and sample locations. Enclosure 2 provides tables that summarize the sampling and analytical results. Enclosure 3 provides a summary of the risk-based screening levels (RBSL) for lead and arsenic calculated using site-specific bioavailability values. Enclosure 4 provides the data validation reports. Enclosure 5 contains the laboratory data packages.

SITE DESCRIPTION AND BACKGROUND

The Site is located in Colorado Springs, Colorado and includes the A-1 Mobile Village located at 1025 Garner Street, which consists of approximately 81 mobile homes, as well as an office/house, garage, and miscellaneous unoccupied areas (Figures 1 and 2). The A-1 Mobile Village was constructed adjacent to a tailings pile associated with the Gold Hill Tailings Site located immediately west of the village (Ecology & Environment [E&E] 1995). In historical aerial photographs from 1960, trailers appear on the property where A-1 Mobile Village is currently located (Environmental Data Resources, Inc. [EDR] 2022).

The tailings pile covered approximately 170 acres and consisted of tailings produced by the milling of ore primarily from the Cripple Creek Mining District in Colorado. A total of 14.3 million tons of ore were

processed yielding 12.5 million tons of tailings. The tailings were produced by the Golden Cycle Mill from approximately 1901 until February 1949. The mill was dismantled in 1950 (Morrison Knudsen Corporation [MK] 1993).

In February 1995, EPA conducted an investigation at the Site including collection of soil samples from the A-1 Mobile Village and the tailings pile. X-ray fluorescence (XRF) screening results for these samples are briefly summarized below (E&E 1995):

- Samples collected from the A-1 Mobile Village indicated the presence of lead at concentrations up to 710 milligrams per kilogram (mg/kg) and arsenic at concentrations up to 120 mg/kg.
- Samples collected from the area between the A-1 Mobile Village and the tailings pile indicated the presence of lead at concentrations up to 1,400 mg/kg and arsenic at concentrations up to 290 mg/kg.
- Samples collected from the tailings pile indicated the presence of lead at concentrations up to 2,200 mg/kg and arsenic at concentrations up to 2,900 mg/kg.

In the early 2000s, a developer installed a cap over the tailings pile under the Colorado Department of Public Health and Environment (CDPHE) Voluntary Cleanup Program.

FIELD ACTIVITIES

START field activities were conducted at the Site from May 16 through 19, 2022. Figure 2 in Enclosure 1 depicts the site features associated with the A-1 Mobile Village. The following subsections provide a description of the field activities and samples collected.

Incremental Sampling Methodology (ISM) Soil Sampling

Samples were collected from each decision unit (DU) using incremental sampling methodology (ISM). A total of 97 DUs are associated with the Site including:

- 83 individual residential properties including the 81 trailer properties, one house/office property, and one vacant property; and
- 14 common areas such as unoccupied areas along roadways located throughout the mobile village.

In addition, 3 off-site DUs at Sondermann Park were sampled to assess background concentrations for the Site. Sondermann Park is approximately 1.5 miles north of the Site in Colorado Springs.

It should be noted that 4 planned Site DUs (GS-10D, GS-15D, GS-19D, and GS-05E) were not sampled during START field activities due to access restrictions at the time of sampling.

During ISM sampling activities, 5-point composite soil samples were collected from two depth intervals at each sampled DU, including 0 to 1 inch below ground surface (bgs) and 1 to 6 inches bgs. Each composite sample was homogenized and placed into a resealable plastic bag that was labeled with the appropriate sample ID. A summary of the total quantities of ISM soil samples is provided below:

- A total of 186 ISM soil samples were collected from 93 DUs located at the A-1 Mobile Village, including trailer locations, the house, the vacant lot, and common areas.
- A total of 6 ISM soil samples were collected from 3 DUs located at Sondermann Park to provide background concentrations of contaminants.
- A total of 10 field duplicate and 10 field triplicate samples were collected from each depth (approximately 10 percent of total ISM soil samples).

ISM soil samples were transported to the EPA warehouse in Arvada, Colorado for processing. During the week of May 23, 2022, START dried, disaggregated, and sieved the ISM soil samples to prepare sub-samples of each for laboratory analysis. Each sample was placed into a dedicated aluminum pan and dried in a convection oven for approximately 30 minutes. Each sample was then covered with plastic and disaggregated using a mallet. The dried and disaggregated sample was then sieved using 10- and 100-mesh sieves. Sieved material from each sub-sample was placed into a two-ounce glass jar and labeled appropriately for delivery to the subcontracted laboratory.

ISM soil samples were delivered to ALS Environmental (Fort Collins, Colorado) for laboratory analysis of Target Analyte List (TAL) metals using EPA Method 6020. Only the sieved material from the fraction that passed the 100-mesh sieve was analyzed.

Figures 3 and 4 of Enclosure 1 illustrate the analytical results for lead in ISM soil samples. Figures 5 and 6 of Enclosure 1 illustrate the analytical results for arsenic in ISM soil samples. Figures 3 through 6 include identification of locations which exceeded the respective site-specific RBSLs for lead and arsenic. Tables 1 through 3 of Enclosure 2 provide a summary of the analytical results for ISM soil samples. These tables also include the EPA Regional Screening Levels calculated using a target risk of 1E-06 and a target hazard quotient of 1 (for most metals), and the site-specific RBSL calculated based on bioavailability results (for arsenic and lead). The average of the concentrations for each metal from the three background samples is presented on Table 1 only. The site-specific RBSLs are discussed in the bioavailability testing section, below, and in Enclosure 3. The data validation reports are included in Enclosure 4. The laboratory data packages are in Enclosure 5.

Exceedances of the site-specific RBSLs were noted for arsenic, cadmium, lead, and manganese for one or

more samples. One or more soil samples collected from 0 to 1 inches bgs had exceedances for cadmium, lead, and manganese, while one or more soil samples collected from 1 to 6 inches bgs had exceedances for arsenic, cadmium, lead and manganese. The results for all metals and exceedances of site-specific RBSL by location are found in Enclosure 2, Tables 2, 3, and 5. and Enclosure 1, Figures 3 through 6 show exceedances for lead and arsenic.

Mercury Soil Sampling (Grab)

During field activities, a total of 16 grab soil samples (0 to 6 inches bgs), including two field duplicate samples and three background samples, were collected from the Site to assess mercury concentrations at the site. Each sample for mercury analysis consisted of one eight-ounce jar filled directly from the soil coring device and was stored on ice to minimize volatilization until delivery to the laboratory. Samples collected for mercury analysis are summarized in the following list:

- A-1 Mobile Village:
    - GS-01E-00-06, GS-09E-00-06, GS-13B-00-06, GS-14D-00-06, GS-21D-00-06, GS-27D-00-06, GS-39A-00-06, GS-CA02-00-06, and GS-CA14-00-06;
    - GS-HOUSE-00-06 and GS-HOUSE-00-06-DUP (field duplicate sample); and
    - GS-VACANT-00-06 and GS-VACANT-00-06 (field duplicate sample).
- Sondermann Park (background sampling locations):
    - GS-BG01-00-06, GS-BG02-00-06, and GS-BG03-00-06.

No drying, disaggregating, or sieving was performed on these samples. Grab soil samples were submitted to ALS Environmental (Fort Collins, Colorado) for laboratory analysis of mercury using EPA Method 7471. Table 4 of Enclosure 2 provides a summary of the analytical results for grab soil samples from the Site, while Table 1 of Enclosure 2 provides the background results. The data validation reports are included in Enclosure 4. The laboratory data packages are in Enclosure 5.

Mercury did not exceed the RSL at any samples collected at the Site.

Composite Soil Sampling (Berm Characterization)

On May 19, 2022 START collected a total of five 5-point composite samples (0 to 6 inches bgs) from the berm located along the western and southern portions of the A-1 Mobile Village to assess contaminant concentrations. Samples were collected from the berm at five DUs and included:

- GS-29A5-COMP;
- GS-32A-COMP;

- GS-35A-COMP;
- GS-39A-COMP; and
- GS-43A-COMP.

No drying, disaggregating, or sieving was performed on these samples. Composite soil samples were submitted to ALS Environmental (Fort Collins, Colorado) for laboratory analysis of TAL metals using EPA Method 6020. Table 5 of Enclosure 2 provides a summary of the analytical results for composite soil samples collected for berm characterization. The data validation reports are included in Enclosure 4. The laboratory data packages are in Enclosure 5.

Quality Control Sampling

Quality control (QC) sampling conducted during field activities included the collection of the following samples:

- One field blank sample (GS-FB01) collected at the start of field activities using deionized water to assess potential contamination resulting from ambient conditions; and
- Four rinsate blank samples (GS-RB01 through GS-RB04) collected during field activities using deionized water that was poured over decontaminated sampling equipment to assess the effectiveness of equipment decontamination, including one for each day of sampling activities; and
- A total of 20 triplicate samples for metals analysis and 2 duplicate samples for mercury analysis, as described in earlier sections.

QC samples were submitted to ALS Environmental (Fort Collins, Colorado) for laboratory analysis of TAL metals using EPA Method 6020 and mercury using EPA Methods 7470 and 7471.

Field and rinsate blanks were used in the data validation process, and sample results were qualified accordingly. A section briefly discussing the field precision as it relates to sampling representativeness is included below.

BIOAVAILABILITY TESTING

Samples analyzed for TAL Metals by ALS Environmental (Fort Collins, Colorado) were returned to Tetra Tech upon completion of the analyses. Based on discussions between EPA and START, a total of 15 samples previously analyzed for TAL Metals were submitted to ALS Environmental (Kelso, Washington) in September 2022 for lead in vitro bioaccessibility assay (IVBA) testing in accordance with EPA Method 1340/6020A. Table 6 of Enclosure 2 provides a summary of the lead IVBA testing results and calculated relative bioavailability (RBA) values from the IVBA results (EPA 2021).

In November 2022, a total of 15 samples previously analyzed for TAL Metals were submitted to ALS

Environmental (Kelso, Washington) for total arsenic and arsenic in vitro bioaccessibility assay (IVBA) testing in accordance with EPA Method 1340/6020A. Table 7 of Enclosure 2 provides a summary of the arsenic IVBA testing results and calculated relative bioavailability (RBA) values from the IVBA results (EPA 2021).

The average and 95% upper confidence limit (95% UCL) were calculated for each data set. Based on the RBA results, a site-specific RBSL of 336 mg/kg was calculated for lead with the Integrated Exposure Uptake Biokinetic (IEUBK) model using the 95% UCL of the RBA value and a blood lead level of 5 micrograms per deciliter (EPA 2017, 2024). Similarly, a site-specific RBSL of 110 mg/kg was calculated for arsenic with the EPA RSL calculator using the 95% UCL of the RBA value, a target cancer risk of 1E-04 and a target hazard quotient of 1 (EPA 2023). These RBSLs are presented as screening levels for lead and arsenic in Figures 3 through 6 and Tables 2, 3, and 5.

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) ANALYSES

Based on discussions between EPA and START, one sample (GS-TCLP-01) was submitted to SGS North America Inc. (Dayton, New Jersey) for TCLP Metals analyses in accordance with EPA Method 1311/6010D and 1311/7470A. The TCLP results were all below the RCRA allowable limits, except for the mercury result which was rejected. Table 8 of Enclosure 2 provides a summary of the TCLP results.

DECONTAMINATION AND INVESTIGATION-DERIVED WASTE

No excess soil cuttings were produced during field activities. Decontamination water volume was minimal and poured onto the ground at the end of each day’s sampling activities. All other sampling equipment, including sample gloves and paper towels, was disposable and treated as general refuse.

DATA VALIDATION

TAL Metals Analyses

START conducted a Stage 2A data validation of the laboratory analytical results for TAL Metals in accordance with the Tetra Tech *Final Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (Tetra Tech 2021) and the *EPA National Functional Guidelines for Superfund Inorganic Methods Data Review* (EPA 2020). Enclosure 4 provides the data validation report. Enclosure 5 provides a copy of the laboratory analytical data package.

Bioavailability Testing

START conducted a Stage 2A data validation of the laboratory analytical results for lead and arsenic bioavailability testing in accordance with the Tetra Tech *Final Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (Tetra Tech 2021) and the *EPA National Functional Guidelines for Superfund Inorganic Methods Data Review* (EPA 2020). Enclosure 4 provides the data validation reports. Enclosure 5 provides a copy of the laboratory analytical data packages.

TCLP Analyses

START conducted a Stage 2A data validation of the laboratory analytical results for TAL Metals in accordance with the Tetra Tech *Final Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (Tetra Tech 2021) and the *EPA National Functional Guidelines for Superfund Inorganic Methods Data Review* (EPA 2020). Enclosure 4 provides the data validation report. Enclosure 5 provides a copy of the laboratory analytical data package.

It should be noted that the result for TCLP mercury was rejected during data validation activities because the sample was received at the laboratory above standard temperature ranges. This was due to the fact that the sample used for TCLP analyses was previously analyzed at another laboratory for TAL Metals and was returned to START upon request. It was known prior to the TCLP analyses that the mercury result would likely not be useable.

FIELD PRECISION

Table 9 in Enclosure 2 provides a summary of the field precision for this sampling event. As the table indicates, the maximum relative standard deviation (RSD) for any triplicate and analyte was 52 percent, and the average RSD for all analytes was 7 percent. This precision documents excellent representativeness of the samples collected.

REFERENCES

Ecology & Environment (E&E). 1995. “Sampling Activities and Analytical Results Report, Gold Hill Tailings.” April.

Environmental Data Resources, Inc. (EDR). 2022. “1025 Garner Street, Colorado Springs, CO 80905, Inquiry Number 6806089.11, The EDR Aerial Photo Decade Package.” January 6.

Morrison Knudsen Corporation (MK). 1993. “Preliminary Assessment, Gold Hill Tailings Site.” December 21.

Tetra Tech Inc. (Tetra Tech). 2021. “Final Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment.” Revision 4. May.

U.S. Environmental Protection Agency (EPA). 2017. Integrated Exposure Uptake Biokinetic Model (IEUBK) for Lead in Children. Version 2.0, Build 1.72.

EPA. 2020. “National Functional Guidelines for Superfund Organic Methods Data Review. November.

EPA 2021. Guidance for Sample Collection for In Vitro Bioaccessibility Assay for Arsenic and Lead in Soil and Applications of Relative Bioavailability Data in Human Health Risk Assessment. January 4.

EPA. 2022. Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations. July.

EPA. 2023. Regional Screening Level Calculator. November.

EPA. 2024. Updated Residential Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities. Office of Land and Emergency Management. January 17.

If you have any questions concerning the findings of this report, please contact me by email at rob.tisdale@tetratech.com.

Sincerely,

Robert Tisdale Digitally signed by Robert Tisdale
Date: 2024.05.13 16:41:05 -06'00'

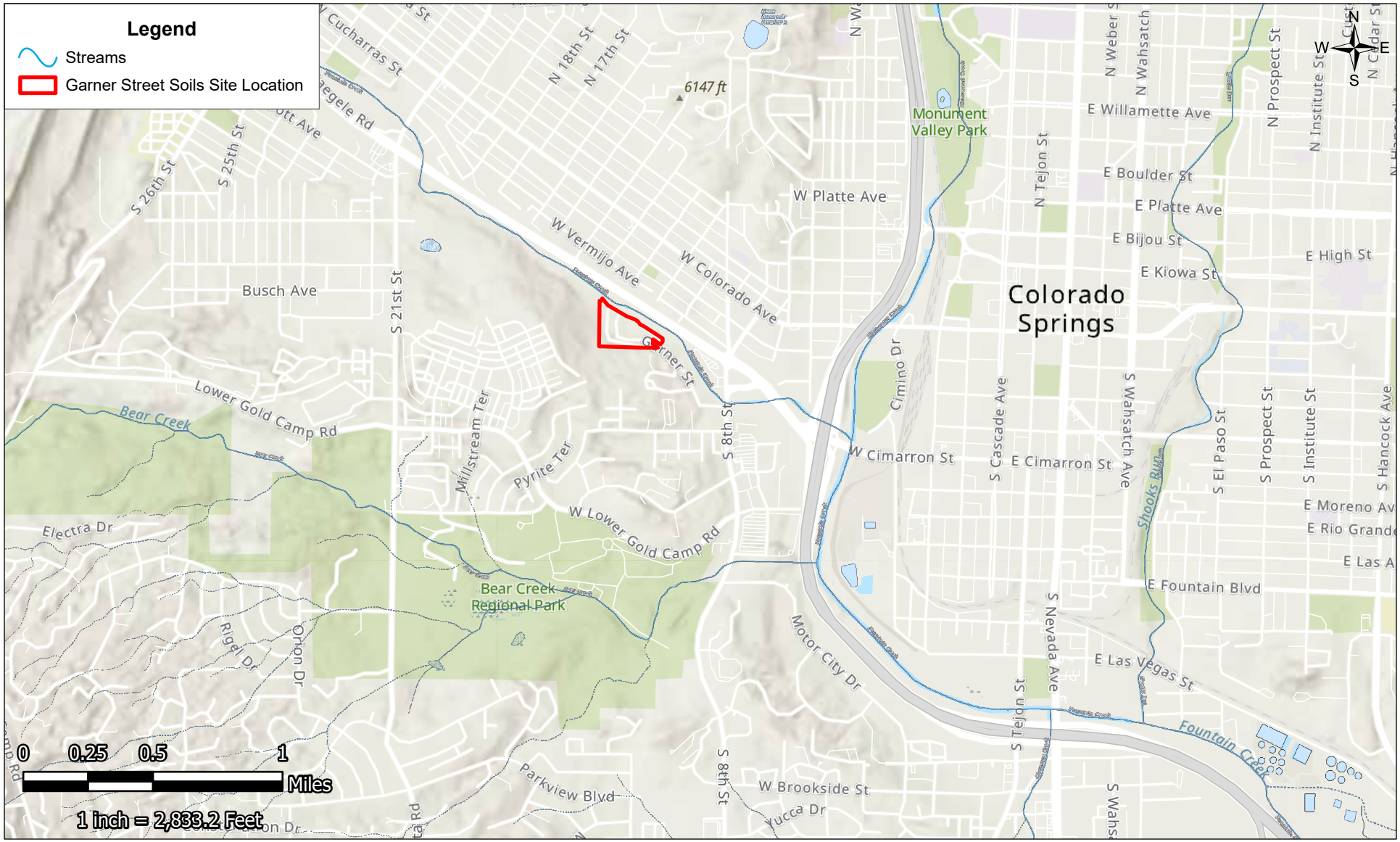
Rob Tisdale

START V TD Manager

Enclosures (5)

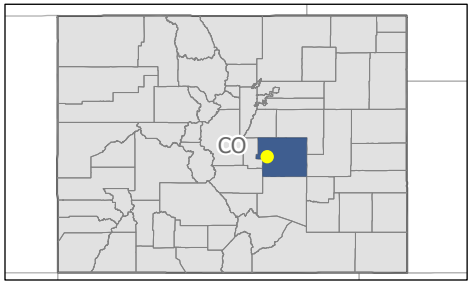
cc: Clayton Longest, START V Document Control Coordinator

ENCLOSURE 1: FIGURES



Notes:

Source:
Background: USGS Topographic ESRI Basemap
Streams: USGS NHD Cached REST Service
Parcels: El Paso County
Spatial Reference: WGS 1984 Web Mercator Auxiliary Sphere Coordinate System



United States Environmental Protection Agency

Region 8 START V
TD: 2359-2402-12

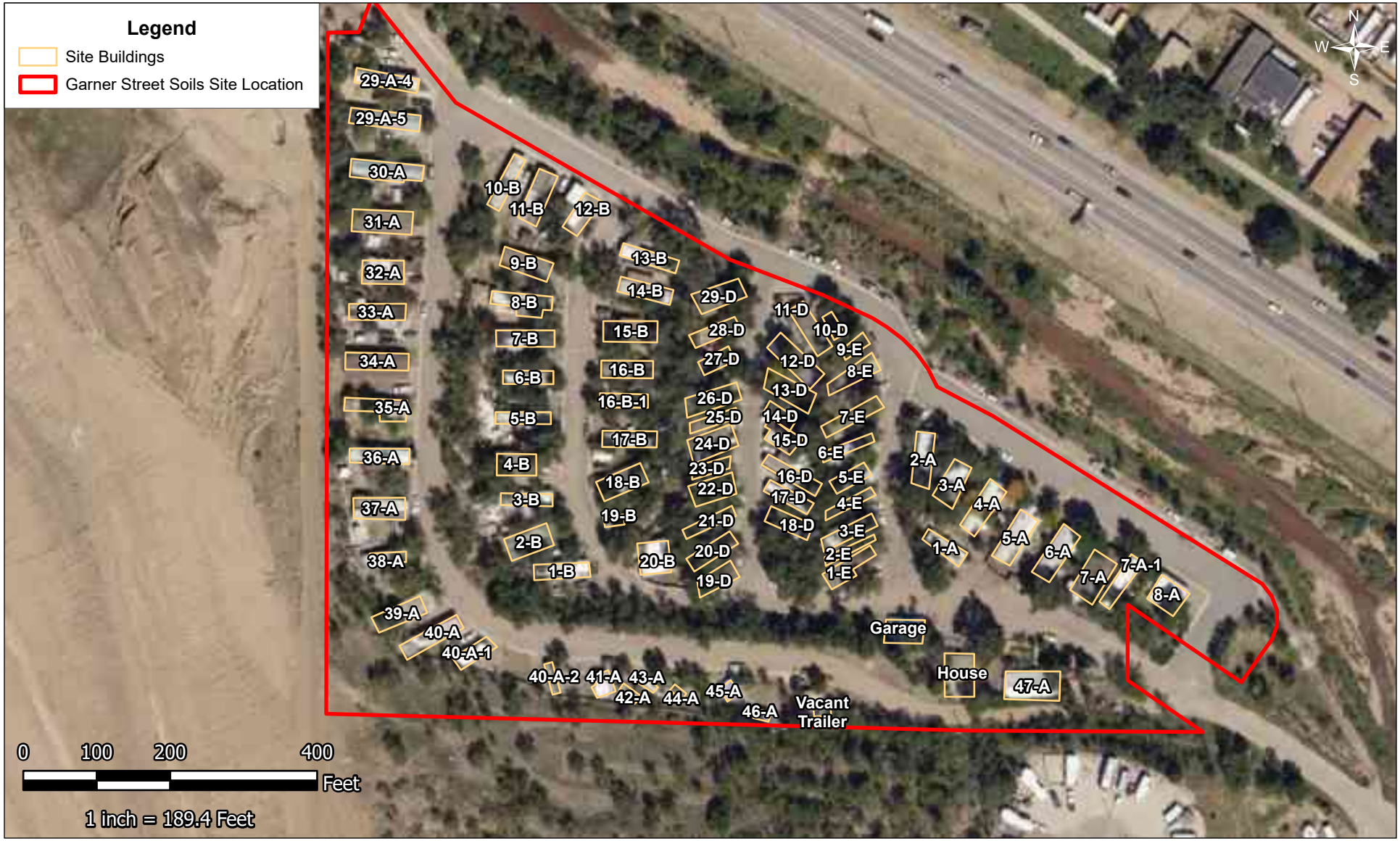
TETRA TECH

Analyst: M. Caldwell
Date: 3/29/2022

Garner Street Soils Site
Colorado Springs, El Paso County, Colorado

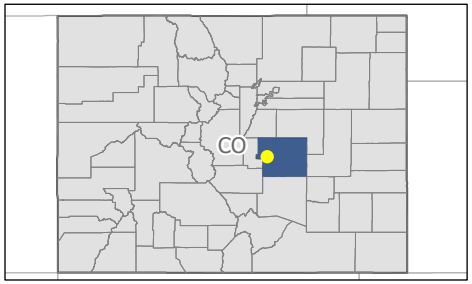
Figure 1
Site Location

Path: C:\Users\MEGAN.CALDWELL\Desktop\GISrequests\GarnerStreetSoilsSite\ArcPro\GarnerStreetSoils.aprx



Notes:

Source:
Background: Bing Aerial ESRI Basemap
Parcels: El Paso County
Spatial Reference: WGS 1984 Web Mercator Auxiliary Sphere Coordinate System



United States Environmental Protection Agency

Region 8 START V
TD: 2359-2402-12

TETRA TECH

Analyst: M. Caldwell
Date: 3/29/2022

Garner Street Soils Site
Colorado Springs, El Paso County, Colorado

Figure 2
Site Features

Path: R:\GIS\R8STARTV

Notes:
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

Source:
Background: Bing Aerial ESRI Basemap
Parcels: El Paso County
Data: Mapped from Scribe project data
Spatial Reference: WGS 1984 Web Mercator Auxiliary Sphere Coordinate System

United States Environmental Protection Agency

Region 8 START V
TO: 2359-2402-12

TETRA TECH

Analyst: M. Caldwell
Date: 5/2/2024

Garner Street Soils Site
Colorado Springs, El Paso County, Colorado

Figure 3
Lead Results (Depth 0-1 inches)

Notes:
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

Source:
Background: Bing Aerial ESRI Basemap
Parcels: El Paso County
Data: Mapped from Scribe project data
Spatial Reference: WGS 1984 Web Mercator Auxiliary Sphere Coordinate System

United States Environmental Protection Agency

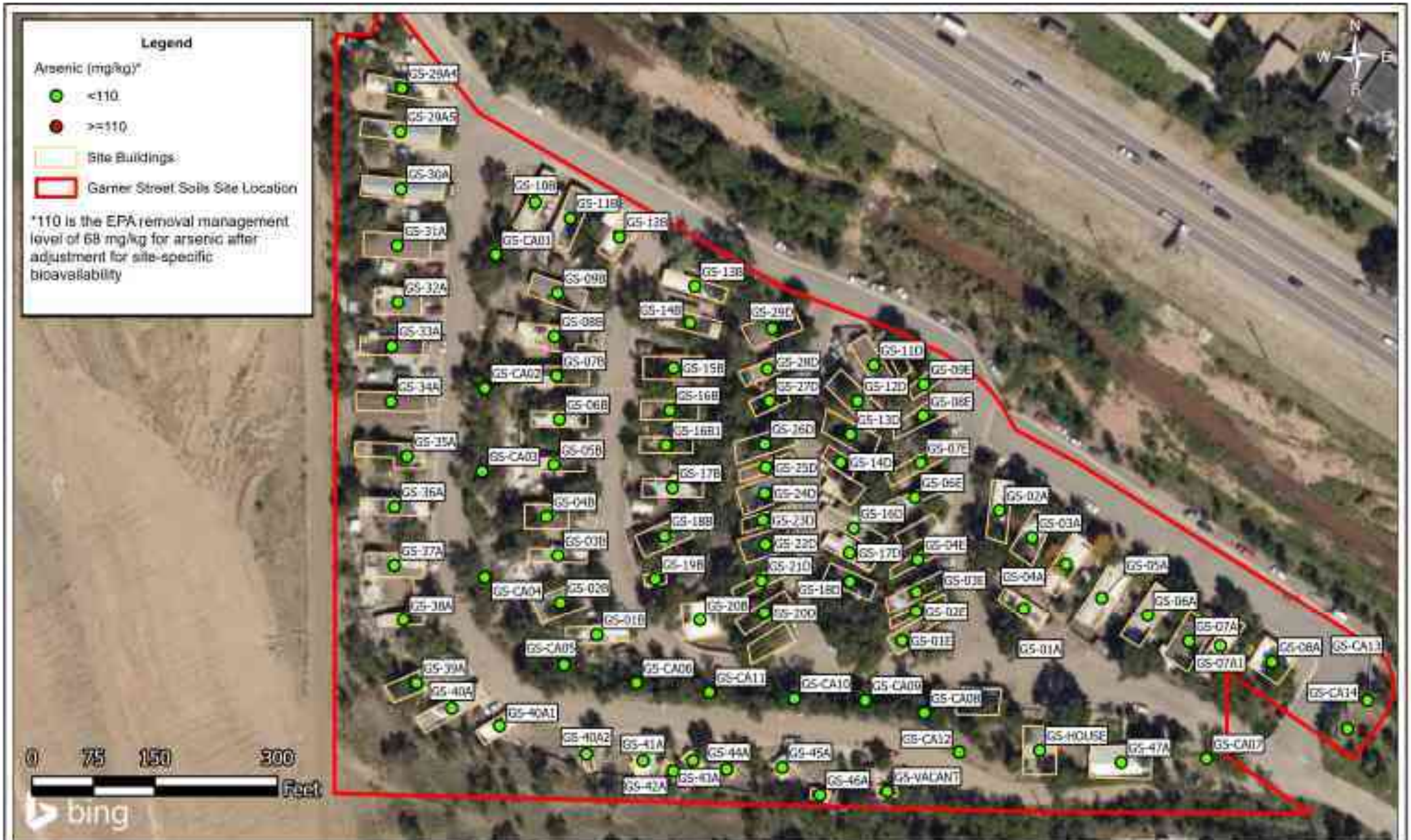
Region 8 START V
TO: 2359-2402-12

TETRA TECH

Analyst: M. Caldwell
Date: 5/2/2024

Garner Street Soils Site
Colorado Springs, El Paso County, Colorado

Figure 4
Lead Results (Depth 1-6 inches)



Notes:

Removal Management Levels are generic levels that indicate a removal action may be appropriate. Site-specific information should be used to determine whether a cleanup is appropriate.

Source:
Background: Bing Aerial ESRI Basemap
Parcels: El Paso County
Data: Mapped from Scribe project data
Spatial Reference: WGS 1984 Web Mercator Auxiliary Sphere Coordinate System

United States Environmental Protection Agency

Region 8 START V
TD: 2359-2402-12

TETRA TECH

Analyst: M. Caldwell
Date: 5/1/2024

Garner Street Soils Site
Colorado Springs, El Paso County, Colorado

Figure 5
Arsenic Results (Depth 0-1 inches)

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Notes:
Removal Management Levels are generic levels that indicate a removal action may be appropriate. Site-specific information should be used to determine whether a cleanup is appropriate.

Source:
Background: Bing Aerial ESRI Basemap
Parcels: El Paso County
Data: Mapped from Scribe project data
Spatial Reference: WGS 1984 Web Mercator Auxiliary Sphere Coordinate System

United States Environmental Protection Agency

Region 8 START V
TD: 2359-2402-12

TETRA TECH

Analyst: M. Caldwell
Date: 5/1/2024

Garner Street Soils Site
Colorado Springs, El Paso County, Colorado

Figure 6
Arsenic Results (Depth 1-6 inches)

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ENCLOSURE 2: TABLES

Table 1
Analytical Results Summary
(Background Samples)

Analyte	GS-BG01-00-01	GS-BG02-00-01	GS-BG03-00-01	0 to 1 Inch Average[a]	GS-BG01-01-06	GS-BG02-01-06	GS-BG03-01-06	1 to 6 Inch Average[a]	GS-BG01-00-06	GS-BG02-00-06	GS-BG03-00-06	0 to 6 Inch Average[a]
Aluminum	6700	8300	5500	6800	6600	8800	5500	7000	--	--	--	--
Antimony	0.24	0.25	0.21	0.23	0.25	0.24	0.2	0.23	--	--	--	--
Arsenic	11	11	7.1	9.7	10	11	7.4	9.5	--	--	--	--
Barium	96	98	91	95	93	100	84	92	--	--	--	--
Beryllium	0.7	0.65	0.57	0.64	0.68	0.69	0.58	0.65	--	--	--	--
Cadmium	0.39	0.35	0.38	0.37	0.39	0.35	0.29	0.34	--	--	--	--
Calcium	6400	6000	5300	5900	5800	6600	4100	5500	--	--	--	--
Chromium	36	23	15	25	35	46	31	37	--	--	--	--
Cobalt	7	7.1	4.6	6.2	6.9	7.6	4.8	6.4	--	--	--	--
Copper	17	18	12	16	18	20	12	17	--	--	--	--
Iron	17000	17000	12000	15000	17000	18000	13000	16000	--	--	--	--
Lead	36	29	30	32	37	29	22	29	--	--	--	--
Magnesium	3200	3300	1900	2800	3000	3500	1800	2800	--	--	--	--
Manganese	450	390	300	380	430	400	310	380	--	--	--	--
Mercury	--	--	--	--	--	--	--	--	0.014 J-	0.041 J-	0.012 J-	0.022
Nickel	27	22	11	20	26	34	20	27	--	--	--	--
Potassium	2400	2200	2100	2200	2400	2200	1900	2200	--	--	--	--
Selenium	2.7	2	1.8	2.2	2.6	2.1	1.9	2.2	--	--	--	--
Silver	0.09 J	0.085 J	0.063 J	0.08	0.08 J	0.098 J	0.11 U	0.10	--	--	--	--
Sodium	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	--	--	--	--
Thallium	0.17	0.18	0.14	0.16	0.17	0.19	0.14	0.17	--	--	--	--
Vanadium	18	20	17	18	18	21	17	19	--	--	--	--
Zinc	75	72	63	70	77	74	54	68	--	--	--	--

Notes:

All concentrations in milligrams per kilogram (mg/kg)

[a] Average concentration calculated from three corresponding background samples, rounded to two significant figures

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J- The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.

U The analyte was analyzed for, but was not detected above the associated value (reporting limit).

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-01A-00-01	GS-01B-00-01	GS-01E-00-01	GS-02A-00-01	GS-02B-00-01	GS-02E-00-01	GS-03A-00-01	GS-03B-00-01	GS-03E-00-01	GS-03E-00-01-DUP	GS-03E-00-01-TRI	GS-04A-00-01
Aluminum	77000	7100	8000	6500	7300	8000	7700	7800	7600	8000	7700	7500	7800
Antimony	31	0.69	1	1.2	0.56	0.76	1.2	0.9	0.91	1.2	1.1	1.3	0.57
Arsenic	110[b]	29	46	54	24	43	47	35	44	44	39	42	29
Barium	15000	160	210	180	170	150	200	180	220	200	210	200	210
Beryllium	160	1	0.7	0.88	0.83	0.76	0.94	0.86	0.75	1	0.99	1	0.77
Cadmium	7.1	1.2	1.7	1.9	1.2	1.5	2.1	1.4	2.2	2.1	2.2	2.3	1.3
Calcium	NE	11000	15000	15000	11000	22000	12000	11000	12000	10000	10000	12000	9500
Chromium	120000	28	14	16	13	13	14	15	14	21	22	21	13
Cobalt	23	5.8	6.7	6.3	5.7	12	8	7.5	8.7	7.2	6.9	7	7.9
Copper	3100	36	47	63	28	41	46	34	60	41	40	39	41
Iron	55000	19000	25000	26000	18000	31000	26000	21000	29000	25000	24000	24000	20000
Lead	336[b]	110	230	180	91	130	170	120	160	160	170	180	100
Magnesium	NE	4000	3000	4400	3300	4400	3300	3500	2700	3300	3100	3400	3700
Manganese	1800	580	560	850	630	840	790	690	830	720	670	660	620
Nickel	1500	18	23	14	13	29	19	25	21	16	17	15	17
Potassium	NE	3200	2800	2900	3000	2300	3200	3100	2200	3500	3800	3900	3000
Selenium	390	2.3	2.5	2.7	2.1	3.6	2.7	2.2	3.1	2.6	2.6	2.7	1.9
Silver	390	0.78	1.5	1.3	0.59	0.87	1.1	0.83	3.5	1.3	1.5	1.5	0.68
Sodium	NE	150 J+	410	170 J+	120 J+	190 J+	130 J+	140 J+	130 J+	150 J+	140 J+	140 J+	98 U
Thallium	0.78	0.28	0.3	0.31	0.25	0.39	0.34	0.31	0.32	0.32	0.32	0.33	0.27
Vanadium	390	27	34	35	25	34	36	30	34	35	33	34	27
Zinc	23000	320	390	460	310	270	470	420	360	450	420	470	320

Notes:

All concentrations in milligrams per kilogram (mg/kg)
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

bold Indicates concentration that equals or exceeds the RBSL for residential soil

[a] The RBSL is the default EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-04A-00-01-DUP	GS-04A-00-01-TRI	GS-04B-00-01	GS-04E-00-01	GS-05A-00-01	GS-05B-00-01	GS-06A-00-01	GS-06B-00-01	GS-06E-00-01	GS-07A-00-01	GS-07A1-00-01	GS-07B-00-01
Aluminum	77000	7500	7700	8100	8100	7100	10000	7300	7500	7800	7400	7500	7100
Antimony	31	0.74	0.69	1.4	0.96	0.67	0.96	0.47	1 J	0.71	0.47	0.35	0.97
Arsenic	110[b]	28	30	75	46	31	53	19	50 J	37	22	22	56
Barium	15000	180	200	180	250	200	110	190	130	230	200	200	180
Beryllium	160	0.77	0.77	0.95	0.99	0.73	1.2	0.64	0.79	1	0.73	0.59	0.75
Cadmium	7.1	3.1	1.4	9.6	2.2	1.4	16	0.91	**23**	2.1	1	1	6.6
Calcium	NE	10000	10000	13000	10000	11000	22000	7500	12000	9500	9900	7200	7800
Chromium	120000	12	13	12	18	11	14	9.1	12	13	11	12	11
Cobalt	23	8	7.8	9.8	7.5	6.8	12	6.3	8.2	6.6	8.1	6.4	7.8
Copper	3100	35	36	58	44	31	86	25	41	36	32	30	43
Iron	55000	20000	21000	30000	27000	21000	30000	17000	25000	25000	20000	19000	26000
Lead	336[b]	94	100	250	180	120	190	61	180	140	80	88	210
Magnesium	NE	3600	3700	6000	3600	4000	4200	2500	6100	2800	3400	2300	3600
Manganese	1800	620	660	**2200**	740	570	**4800**	480	**2200**	660	610	420	1600
Nickel	1500	18	21	19	16	15	42	15	33	16	19	15	20
Potassium	NE	2900	3200	3700	3200	3200	2600	2600	2700	3200	2500	2800	3000
Selenium	390	1.9	1.9	2.7	2.6	1.9	3.3	1.8	2.3	2.5	2	1.7	2.4
Silver	390	0.66	0.7	1.6	1.3	0.79	1.3	0.41	1.4	0.96	0.46	0.47	2
Sodium	NE	100 U	100 J+	500	200 J+	130 J+	310	89 U	1000	200 J+	120 J+	170 J+	230
Thallium	0.78	0.27	0.27	0.41	0.34	0.24	0.38	0.22	0.3	0.31	0.24	0.23	0.33
Vanadium	390	26	28	41	36	28	39	23	34	30	27	26	36
Zinc	23000	340	340	2400	510	360	2900	230	5500	370	290	240	1900

Notes

All concentrations in milligrams per kilogram (mg/kg)
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

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[a] The RBSL is the default EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

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NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-07E-00-01	GS-08A-00-01	GS-08B-00-01	GS-08E-00-01	GS-09B-00-01	GS-09E-00-01	GS-10B-00-01	GS-11B-00-01	GS-11B-00-01-DUP	GS-11B-00-01-TRI	GS-11D-00-01	GS-12B-00-01
Aluminum	77000	7400	7000	7900	7100	8300	7400	7200	6400	6300	6400	6000	6500
Antimony	31	1.1	0.44	1.1	1.1	1.1	0.9	1.4	1.6	1.8	2	0.9	1.3
Arsenic	110[b]	54	25	79	48	79	53	99	95	96	96	25	63
Barium	15000	200	190	140	220	250	220	280	270	260	260	160	240
Beryllium	160	1	0.61	0.79	1.1	0.94	1.2	0.83	0.79	0.79	0.79	0.85	0.84
Cadmium	7.1	2.6	1.1	3.7	2.7	5.9	3.7	4.8	4.3	4.2	4.3	1.1	2.5
Calcium	NE	8800	7200	14000	14000	9500	17000	8500	8300	8200	8200	12000	8300
Chromium	120000	13	12	12	16	13	13	14	11	11	12	9.3	12
Cobalt	23	7	5.9	6.8	6.1	7.5	6.2	7.7	6.2	6.2	6.4	4.7	5.7
Copper	3100	47	25	120	47	73	42	64	73	72	74	33	49
Iron	55000	28000	18000	42000	26000	34000	27000	36000	35000	35000	36000	16000	28000
Lead	336[b]	240	100	**440**	190	**360**	260	**430**	**490**	**490**	**490**	92	**340**
Magnesium	NE	3000	2500	2700	4400	3200	7000	2900	2600	2600	2700	4200	2500
Manganese	1800	850	490	770	870	1000	1000	1300	960	940	940	510	710
Nickel	1500	16	12	21	15	20	15	16	15	14	14	16	13
Potassium	NE	3200	2400	3000	4200	3200	3000	3400	3100	3100	3100	1800	3300
Selenium	390	2.6	1.6	2.8	2.6	2.8	2.7	2.4	2.4	2.3	2.4	2.1	2.4
Silver	390	1.7	0.72	3	1.3	2.5	1.6	3.2	3.4	3.4	3.4	0.64	2.4
Sodium	NE	170 J+	99 U	490	340	370	110 J+	200 J+	220	220	220	95 U	170 J+
Thallium	0.78	0.35	0.23	0.49	0.33	0.45	0.36	0.5	0.51	0.51	0.51	0.24	0.41
Vanadium	390	34	27	39	34	43	32	46	40	40	40	22	34
Zinc	23000	500	210	820	580	1200	700	1000	910	930	940	470	600

Notes

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[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

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NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-12D-00-01	GS-13B-00-01	GS-13D-00-01	GS-14B-00-01	GS-14B-00-01-DUP	GS-14B-00-01-TRI	GS-14D-00-01	GS-15B-00-01	GS-16B-00-01	GS-16B1-00-01	GS-16D-00-01	GS-17B-00-01
Aluminum	77000	9800	6400	7500	6000	6600	6700	5500	5700	6600	7200	7800	6900
Antimony	31	0.87	1.5	1.3 J	1.4	1.4	1.4	0.95 J	1.1	1.1	0.67	0.82	1
Arsenic	110[b]	37	60	61	68	72	72	42	44	46	35	35	47
Barium	15000	250	200	250	180	200	200	170	150	170	200	180	190
Beryllium	160	1.2	0.67	0.96	0.7	0.71	0.72	0.81	0.57	0.75	0.69	0.71	0.69
Cadmium	7.1	4.3	2.3	2.3	2.3	2.4	2.5	1.6	1.8	1.6	1.1	1.8	1.6
Calcium	NE	14000	11000	20000	9400	8700	8800	31000	7500	9300	10000	12000	15000
Chromium	120000	15	12	16	11	12	12	12	10	11	13	13	13
Cobalt	23	5.2	7	6.8	6.5	7	7.2	5.4	5.6	8	6.5	5.9	8.1
Copper	3100	39	46	55	56	64	60	49	40	42	43	37	41
Iron	55000	31000	28000	29000	29000	34000	35000	21000	22000	25000	19000	22000	24000
Lead	336[b]	180	290	290	330	**450**	**460**	190	200	180	92	150	160
Magnesium	NE	3800	3100	4200	3300	3100	3200	6500	2300	3100	2900	3600	3400
Manganese	1800	820	730	690	750	780	800	630	570	680	520	560	700
Nickel	1500	29	17	19	18	29	25	19	14	20	17	18	20
Potassium	NE	3400	3300	3000	3200	3000	3000	2100	2500	2600	2700	3300	2900
Selenium	390	4.6	2.1	2.6	2.2	2.5	2.6	1.8	1.8	2.5	2.1	2	2.3
Silver	390	1.2	1.9	2	2.4	3	3	1.3 J	1.4	1.3	0.68	1.1	1.1
Sodium	NE	210 J+	160 J+	250	180 J+	200 J+	200 J+	260	160 J+	170 J+	240	620	190 J+
Thallium	0.78	0.44	0.35	0.38	0.38	0.45	0.45	0.28	0.27	0.31	0.23	0.28	0.29
Vanadium	390	33	38	35	35	36	36	27	30	31	27	32	33
Zinc	23000	420	630	520	530	520	520	450	450	390	290	340	350

Notes

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bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

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NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-17D-00-01	GS-18B-00-01	GS-18D-00-01	GS-19B-00-01	GS-20B-00-01	GS-20D-00-01	GS-21D-00-01	GS-22D-00-01	GS-23D-00-01	GS-24D-00-01	GS-25D-00-01	GS-26D-00-01
Aluminum	77000	7500	7100	7000	7100	6900	7800	7700	7300	7700	7000	6800	7300
Antimony	31	1.2	1.2	1.1	1.4	0.54	1.1	1.4	1.2	1.5	1.1	1.2	1
Arsenic	110[b]	44	32	43	49	24	48	65	49	58	48	50	47
Barium	15000	210	180	190	180	170	210	220	190	190	190	200	190
Beryllium	160	0.87	0.73	0.72	0.77	0.63	0.76	0.77	0.7	0.75	0.74	0.82	0.85
Cadmium	7.1	2.3	1.1	1.9	1.9	1.2	2.5	2.9	1.8	1.4	2	2.2	2
Calcium	NE	15000	11000	12000	10000	6900	13000	8900	13000	14000	13000	14000	13000
Chromium	120000	13	13	11	14	8.7	24	13	14	13	13	12	14
Cobalt	23	8.1	6.7	6.6	7.9	6	8.2	8.4	8.6	11	7.9	7.7	7
Copper	3100	44	32	34	48	24	46	47	53	42	46	45	66
Iron	55000	26000	21000	23000	27000	17000	29000	32000	27000	31000	25000	26000	24000
Lead	336[b]	160	110	170	190	85	200	**640**	160	260	140	200	190
Magnesium	NE	4500	2900	4000	3000	2200	3500	2900	4000	4400	3400	4200	3900
Manganese	1800	810	530	690	680	480	940	930	800	840	790	840	760
Nickel	1500	19	18	15	22	14	46	23	18	23	18	19	16
Potassium	NE	3300	2300	2600	2600	2100	2300	2900	3300	2200	2600	3700	3200
Selenium	390	2.8	2.3	2.3	2.6	1.7	2.6	2.6	2.4	2.7	2.5	2.3	2.2
Silver	390	1.4	0.87	1.3	1.2	0.83	1.4	1.8	1.3	1.6	1.2	1.3	1.2
Sodium	NE	210 J+	120 J+	120 J+	170 J+	90 U	170 J+	180 J+	570	240	130 J+	300	440
Thallium	0.78	0.34	0.26	0.29	0.31	0.23	0.33	0.36	0.31	0.36	0.32	0.32	0.31
Vanadium	390	33	28	31	34	25	34	36	35	39	34	34	32
Zinc	23000	420	260	380	430	200	470	540	460	280	510	410	500

Notes

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[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

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RBSL Risk-based screening level

RSL Regional Screening Level

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-27D-00-01	GS-28D-00-01	GS-29A4-00-01	GS-29A5-00-01	GS-29D-00-01	GS-29D-00-01-DUP	GS-29D-00-01-TRI	GS-30A-00-01	GS-31A-00-01	GS-32A-00-01	GS-33A-00-01	GS-34A-00-01
Aluminum	77000	7300	6800	5400	4900	7200	7200	7300	5600	5400	5900	7200	6200
Antimony	31	0.69	1.2	2	2.2	1.6	1.6	1.7	2.2	2.1	1.7	1.1	1.7
Arsenic	110[b]	30	49	94	95	75	75	78	92	100	88	83	89
Barium	15000	200	170	190	160	190	190	180	160	200	200	260	190
Beryllium	160	0.72	1.1	0.86	0.65	1.4	1.4	1.3	0.66	0.75	0.7	0.75	0.71
Cadmium	7.1	1.4	2.2	1.6	2.5	4.4	4.4	4.3	2.3	3	2	2.5	2.6
Calcium	NE	9500	9300	14000	7200	9800	10000	10000	7100	5900	6900	9600	6300
Chromium	120000	11	13	28	11	13	13	13	17	20	20	24	21
Cobalt	23	6.8	6	6.5	6.5	6.9	7	7.2	7.3	6	7.2	8.9	7.3
Copper	3100	27	39	61	61	50	50	52	59	69	65	55	64
Iron	55000	20000	23000	38000	37000	30000	31000	31000	38000	38000	38000	37000	40000
Lead	336[b]	110	180	**550**	**500**	**370**	**370**	**370**	**480**	**500**	**440**	**390**	**450**
Magnesium	NE	2700	2800	4700	2100	3700	3800	3800	2300	2000	2200	2900	2100
Manganese	1800	520	760	590	650	1100	1100	1100	760	740	660	850	710
Nickel	1500	13	15	20	12	16	15	16	17	12	17	23	18
Potassium	NE	2900	2800	2700	2600	3300	3300	3300	3100	3300	2900	2900	3000
Selenium	390	2.1	2.4	2.1	2.1	2.5	2.5	2.4	2.2	2.1	2.4	2.6	2.5
Silver	390	0.77	1.3	3.6	3.3	2.4	2.5	2.5	3.2	3.7	3.3	2.7	3.1
Sodium	NE	340	240	260	210 J+	210	220	220	270	190 J+	280	260	230
Thallium	0.78	0.25	0.34	0.52	0.47	0.42	0.43	0.42	0.48	0.51	0.47	0.47	0.49
Vanadium	390	27	33	37	38	38	38	39	41	41	37	39	37
Zinc	23000	270	430	370	460	760	780	770	450	550	450	480	540

Notes

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RBSL Risk-based screening level

RSL Regional Screening Level

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-35A-00-01	GS-36A-00-01	GS-37A-00-01	GS-38A-00-01	GS-39A-00-01	GS-40A-00-01	GS-40A1-00-01	GS-40A1-00-01-DUP	GS-40A1-00-01-TRI	GS-40A2-00-01	GS-41A-00-01	GS-42A-00-01
Aluminum	77000	6800	6800	7700	8400	9400	8700	7500	7600	7400	7800	8900	8500
Antimony	31	1.4	1.7	1.1	0.71	1.3	1.2	0.59	0.63	0.58	0.59	0.51	0.52
Arsenic	110[b]	74	96	61	50	84	64	36	38	34	34	35	29
Barium	15000	230	220	210	170	220	180	180	180	190	180	190	170
Beryllium	160	0.77	0.82	0.83	0.94	0.96	0.81	0.69	0.72	0.69	0.8	0.78	0.8
Cadmium	7.1	2.3	3	3.4	6	7.6	4.8	1.3	1.6	1.3	1.4	1.5	1.1
Calcium	NE	7300	8100	8200	13000	13000	17000	11000	10000	9700	12000	13000	15000
Chromium	120000	27	20	22	28	22	21	16	18	18	28	41	38
Cobalt	23	7.7	7.7	8.4	8.4	10	12	9.3	9.5	8.6	10	12	13
Copper	3100	52	57	48	55	72	54	36	37	33	39	40	39
Iron	55000	34000	36000	29000	30000	33000	36000	25000	25000	24000	28000	31000	30000
Lead	336[b]	320	**350**	240	160	250	190	95	100	92	71	77	60
Magnesium	NE	2300	2500	2600	3800	4000	3800	3400	3500	3200	4200	4500	4500
Manganese	1800	750	900	1100	1000	1200	1100	640	670	600	670	660	740
Nickel	1500	22	18	21	24	25	28	20	22	20	28	36	35
Potassium	NE	3500	3300	3000	3000	3400	2900	2400	2500	2400	2600	2500	2400
Selenium	390	2.6	2.6	2.7	3.6	3	3.2	2.9	3	2.8	3.3	3.6	3.6
Silver	390	2.6	2.7	1.9	1.2	2	1.4	0.76	1.1	0.84	0.6	0.7	0.46
Sodium	NE	220	180 J+	190 J+	370	370	270	330	380	300	440	300	200 J+
Thallium	0.78	0.45	0.5	0.41	0.36	0.44	0.43	0.3	0.31	0.29	0.34	0.36	0.33
Vanadium	390	37	44	36	33	41	38	28	28	28	30	33	30
Zinc	23000	440	550	550	1200	1600	690	230	260	230	240	210	180

Notes

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RBSL Risk-based screening level

RSL Regional Screening Level

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-43A-00-01	GS-44A-00-01	GS-45A-00-01	GS-46A-00-01	GS-47A-00-01	GS-HOUSE-00-01	GS-VACANT-00-01	GS-CA01-00-01	GS-CA02-00-01	GS-CA03-00-01	GS-CA04-00-01	GS-CA04-00-01-DUP
Aluminum	77000	8500	6800	7100	7900	7000	8100	8600	6100	7900	6900	6100	5900
Antimony	31	0.42 J	0.44	0.65	0.61	0.67	1.1	1.1	1.5	1.1	1.3	1.5	1.7
Arsenic	110[b]	29	21	32	31	27	49	60	64	51	62	73	84
Barium	15000	170	190	190	200	180	210	210	150	170	170	170	160
Beryllium	160	0.75	0.66	0.72	0.79	0.75	0.84	0.98	0.81	0.76	0.83	0.72	0.73
Cadmium	7.1	1.2	0.83	1.3	1.4	1.2	2.2	2.3	1.8	1.7	2.1	2.5	2.7
Calcium	NE	13000	11000	7800	12000	16000	9100	10000	9200	15000	20000	13000	12000
Chromium	120000	15	22	13	19	32	21	33	13	14	16	19	19
Cobalt	23	14	7	9.7	12	7.1	7.7	8.6	9.1	12	10	8.1	7.4
Copper	3100	40	26	45	43	30	40	40	52	44	240	46	48
Iron	55000	29000	19000	24000	27000	19000	26000	30000	32000	34000	31000	29000	31000
Lead	336[b]	53	50	86	84	94	210	210	290	160	230	250	310
Magnesium	NE	4300	3200	3200	4400	5700	2800	3700	2900	3600	5200	3600	3600
Manganese	1800	730	480	580	780	570	850	870	740	850	870	880	880
Nickel	1500	29	20	21	26	23	18	29	17	25	23	20	18
Potassium	NE	2200	1900	2900	2400	2100	4600	3000	2800	4000	2400	2800	3000
Selenium	390	3.9	2.1	3	3.1	2.2	2.7	3.2	2.9	3.8	2.9	2.5	2.5
Silver	390	0.39	0.45	0.67	0.62	0.63	1.3	1.6	2	1.1	1.6	2.1	2.3
Sodium	NE	220	170 J+	550	390	160 J+	170 J+	120 J+	160 J+	170 J+	180 J+	150 J+	160 J+
Thallium	0.78	0.33	0.22	0.31	0.34	0.27	0.34	0.45	0.4	0.4	0.39	0.4	0.41
Vanadium	390	29	25	27	29	27	37	35	35	37	38	42	43
Zinc	23000	170	160	260	250	230	410	390	370	290	500	510	560

Notes

All concentrations in milligrams per kilogram (mg/kg)
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bold Indicates concentration that equals or exceeds the RBSL for residential soil

[a] The RBSL is the default EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-CA04-00-01-TRI	GS-CA05-00-01	GS-CA06-00-01	GS-CA07-00-01	GS-CA08-00-01	GS-CA09-00-01	GS-CA10-00-01	GS-CA11-00-01	GS-CA12-00-01	GS-CA12-00-01-DUP	GS-CA12-00-01-TRI	GS-CA13-00-01
Aluminum	77000	5800	6600	7500	6700	7400	7000	8000	7300	7600	7400	7300	8200
Antimony	31	1.7	1.3	1.3	0.52	0.91	0.93	0.87	1.1 J	1.2	1.2	1.3	0.77
Arsenic	110[b]	84	69	69	23	44	51	48	54	69	59	68	43
Barium	15000	170	170	190	180	180	200	210	190	160	170	160	200
Beryllium	160	0.74	0.73	0.74	0.66	0.77	0.8	0.75	0.72	0.78	0.78	0.77	0.88
Cadmium	7.1	2.5	2.2	2.1	0.79	1.7	1.8	1.8	1.7	2.4	1.8	2.3	1.5
Calcium	NE	12000	15000	11000	15000	22000	16000	13000	13000	12000	16000	13000	16000
Chromium	120000	16	19	15	17	12	12	12	12	13	13	13	14
Cobalt	23	7.1	8.7	9.8	6.1	8.3	8.8	12	11	11	11	10	9.6
Copper	3100	48	47	44	23	37	41	41	44	49	43	48	41
Iron	55000	28000	30000	32000	18000	26000	27000	31000	31000	31000	30000	30000	27000
Lead	336[b]	270	230	190	74	160	180	160	200	210	180	190	130
Magnesium	NE	3700	4800	3800	5200	5100	5100	4200	4000	4600	5200	4700	5200
Manganese	1800	900	820	870	500	760	810	870	870	980	860	950	800
Nickel	1500	16	22	21	15	20	20	25	22	22	24	21	21
Potassium	NE	3000	2700	3300	2600	2900	3000	2700	2900	3000	2700	3000	2900
Selenium	390	2.4	2.8	3.2	2.1	2.6	2.5	2.8	3.1	2.9	2.9	2.8	2.8
Silver	390	2	1.8	1.6	0.49	1.2	1.3	1.3	1.5	1.6	1.3	1.5	0.93
Sodium	NE	160 J+	200 J+	160 J+	99 U	150 J+	120 J+	140 J+	150 J+	160 J+	170 J+	150 J+	140 J+
Thallium	0.78	0.41	0.39	0.39	0.22	0.34	0.36	0.39	0.38	0.39	0.37	0.37	0.33
Vanadium	390	43	41	41	26	33	33	33	35	39	38	39	34
Zinc	23000	520	390	390	190	280	340	300	310	400	330	390	300

Notes

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[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

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NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 2
Analytical Results Summary
(DU Samples [0 to 1 inch bgs])

Analyte	RBSL[a]	GS-CA13-00-01-DUP	GS-CA13-00-01-TRI	GS-CA14-00-01	GS-CA14-00-01-DUP	GS-CA14-00-01-TRI
Aluminum	77000	7100	7400	6500	7500	6800
Antimony	31	0.75	1.2	0.45	0.53	0.57
Arsenic	110[b]	42	70	52	27	59
Barium	15000	150	160	150	180	160
Beryllium	160	0.76	0.78	0.66	0.81	0.66
Cadmium	7.1	1.4	2.3	0.76	0.83	0.83
Calcium	NE	17000	14000	8000	12000	8500
Chromium	120000	18	14	22	14	23
Cobalt	23	8.4	8.7	5.2	6.7	5.5
Copper	3100	41	45	22	25	23
Iron	55000	25000	28000	14000	19000	15000
Lead	336[b]	130	190	68	68	75
Magnesium	NE	4800	4300	2600	4300	2800
Manganese	1800	700	870	370	520	400
Nickel	1500	20	20	11 J+	15	11 J+
Potassium	NE	2400	2500	2300	2700	2300
Selenium	390	2.5	2.7	2.1	2.4	2
Silver	390	0.98	1.5	0.35	0.42	0.39
Sodium	NE	160 J+	160 J+	100 U	100 U	100 U
Thallium	0.78	0.31	0.36	0.2	0.25	0.2
Vanadium	390	33	38	21	25	23
Zinc	23000	330	470	120	160	140

Notes

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[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

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NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-01A-01-06	GS-01B-01-06	GS-01E-01-06	GS-02A-01-06	GS-02B-01-06	GS-02E-01-06	GS-03A-01-06	GS-03B-01-06	GS-03E-01-06	GS-03E-01-06-DUP	GS-03E-01-06-TRI	GS-04A-01-06
Aluminum	77000	6800	9100	7100	7900	7400	7500	8900	8400	8400	8900	8800	8100
Antimony	31	0.62	0.51	0.99	0.55	0.67	1.8	0.95	1.1	1.3	0.92	1	0.54
Arsenic	110[b]	24	25	45	26	37	79	41	56	44	43	48	26
Barium	15000	150	230	180	180	110	160	240	210	220	240	330	240
Beryllium	160	1	0.84	1	1.1	0.83	0.97	0.98	0.84	1.2	1.2	1.2	0.8
Cadmium	7.1	1.1	1.1	2	1.4	1.2	2.7	1.3	3.1	2.7	2.5	2.9	2
Calcium	NE	11000	11000	18000	11000	23000	16000	11000	13000	12000	10000	13000	9600
Chromium	120000	23	11	13	16	11	13	23	13	28	23	24	12
Cobalt	23	5.6	7.5	6.7	6.6	12	8.6	9.2	10	6.9	7.4	8.7	9.9
Copper	3100	33	33	40	30	37	46	40	55	47	45	53	33
Iron	55000	18000	25000	25000	20000	29000	33000	26000	34000	25000	27000	28000	25000
Lead	336[b]	97	110	180	110	110	280	120	240	210	190	270	79
Magnesium	NE	3900	3100	6000	3900	4000	2900	4200	3000	4000	3700	4800	3900
Manganese	1800	540	610	900	690	740	1100	790	1100	770	760	870	710
Nickel	1500	18	46	23	15	28	22	140	24	26	31	27	35
Potassium	NE	2700	2500	2400	3000	2100	2700	2500	2400	2900	3100	3200	2300
Selenium	390	2.2	3.1	2.9	2.4	3.8	2.9	2.7	3.5	2.9	2.8	3.1	2.3
Silver	390	0.65	0.65	1.2	0.58	0.75	1.9	1	2.6	2.9	1.9	2.3	0.47
Sodium	NE	130 J+	280	140 J+	120 J+	200 J+	130 J+	150 J+	150 J+	130 J+	160 J+	170 J+	140 J+
Thallium	0.78	0.26	0.26	0.33	0.28	0.32	0.41	0.33	0.41	0.34	0.32	0.36	0.28
Vanadium	390	25	31	30	26	31	41	34	37	36	40	36	27
Zinc	23000	230	230	390	320	220	480	260	600	490	490	570	200

Notes:

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bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

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NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-04A-01-06-DUP	GS-04A-01-06-TRI	GS-04B-01-06	GS-04E-01-06	GS-05A-01-06	GS-05B-01-06	GS-06A-01-06	GS-06B-01-06	GS-06E-01-06	GS-07A-01-06	GS-07A1-01-06	GS-07B-01-06
Aluminum	77000	8800	8600	8200	8300	8100	9900	8700	8700	8200	7900	7900	8400
Antimony	31	0.54	0.44	1	1.1	0.49	1.2	0.39	0.65 J	1.2	0.34	0.29	0.94
Arsenic	110[b]	27	27	55	44	24	55	17	56	70	19	18	60
Barium	15000	250	250	160	240	210	150	210	130	310	200	180	140
Beryllium	160	0.88	0.88	1.1	1.2	0.81	1	0.86	0.96	1.2	0.75	0.59	0.98
Cadmium	7.1	1.3	1.2	**9.4**	2.4	1.1	**11**	0.77	**21**	2.7	0.9	0.71	**16**
Calcium	NE	11000	11000	32000	8800	10000	13000	7300	22000	7500	11000	6000	21000
Chromium	120000	12	13	12	16	11	15	11	14	14	11	11	12
Cobalt	23	11	11	12	8.8	8.1	11	7.5	10	9.6	7.9	6.4	12
Copper	3100	36	38	62	42	32	76	27	52	44	30	26	56
Iron	55000	26000	24000	28000	29000	21000	29000	20000	29000	35000	21000	18000	30000
Lead	336[b]	70	76	220	190	100	190	60	220	260	77	63	250
Magnesium	NE	4500	4600	5800	3400	4200	4600	3000	5700	2900	3400	2200	4400
Manganese	1800	770	760	**3100**	900	550	**2800**	480	**4000**	1000	590	400	**3600**
Nickel	1500	52	50	36	27	49	25	63	40	25	46	30	35
Potassium	NE	2300	2400	2800	2900	2300	2900	2300	2400	2700	2100	2200	2500
Selenium	390	2.6	2.5	3.2	3.3	2.1	2.9	2.3	2.8	3.5	2.1	1.7	2.6
Silver	390	0.43	0.53	1.5	1.3	0.57	1.3	0.3	1.4	1.9	0.43	0.37	1.8
Sodium	NE	150 J+	140 J+	350	160 J+	120 J+	510	110 J+	440	150 J+	120 J+	240	240
Thallium	0.78	0.32	0.3	0.37	0.36	0.26	0.34	0.26	0.31	0.4	0.24	0.22	0.38
Vanadium	390	28	28	36	34	25	40	25	35	39	27	25	38
Zinc	23000	200	220	1700	480	200	2600	180	5100	400	210	160	3700

Notes

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bgs Below ground surface

DU Decision unit

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NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-07E-01-06	GS-08A-01-06	GS-08B-01-06	GS-08E-01-06	GS-09B-01-06	GS-09E-01-06	GS-10B-01-06	GS-11B-01-06	GS-11B-01-06-DUP	GS-11B-01-06-TRI	GS-11D-01-06	GS-12B-01-06
Aluminum	77000	7500	7700	11000	8200	8200	7500	7400	7500	7300	7100	6400	6900
Antimony	31	1.9	0.25	1.7	1.3	1.1	1.3	1.6	2.1	1.5	2.1	1.1	1.4
Arsenic	110[b]	**110**	15	97	68	99	79	**110**	**120**	**110**	**110**	33	92
Barium	15000	290	200	130	280	270	260	270	290	310	290	180	290
Beryllium	160	0.96	0.55	1	1.3	0.93	1.4	1	0.97	0.93	0.92	1	0.84
Cadmium	7.1	2.8	0.64	7	2.6	5.1	4.6	6.5	5.2	5	5.1	1.5	3.2
Calcium	NE	7500	5800	22000	8900	7500	21000	8600	8700	8500	8500	19000	7900
Chromium	120000	14	9.9	14	15	13	15	12	12	12	11	11	12
Cobalt	23	8.6	5.5	7.9	7.7	10	6.5	7.2	6.8	6.7	6.6	5.2	6.2
Copper	3100	55	18	88	41	83	53	86	87	90	84	37	64
Iron	55000	41000	17000	41000	32000	38000	34000	45000	44000	43000	43000	20000	39000
Lead	336[b]	**430**	54	**460**	240	**460**	**380**	**580**	**610**	**590**	**600**	150	**570**
Magnesium	NE	2900	2300	2700	3600	2900	8900	2800	3200	3100	3100	6800	2700
Manganese	1800	1200	370	**1800**	980	1400	1300	1500	1100	1000	1000	620	860
Nickel	1500	21	31	35	25	36	18	35	45	47	48	29	30
Potassium	NE	2700	1800	3000	3400	2900	2800	3300	3200	3100	3100	1900	3100
Selenium	390	3.3	1.6	3	3.2	2.7	2.9	2.9	3	2.7	2.9	2.4	2.6
Silver	390	3.2	0.37	3.2	1.8	3.3	2.6	4.3	4.5	4.3	4.3	2.1	4.1
Sodium	NE	130 J+	100 U	400	210 J+	270	120 j+	260	290	280	280	130 J+	240
Thallium	0.78	0.43	0.2	0.5	0.4	0.52	0.39	0.59	0.62	0.59	0.58	0.28	0.55
Vanadium	390	45	25	49	40	45	35	43	43	43	42	27	40
Zinc	23000	530	120	1500	470	950	760	1300	1100	1000	1100	400	680

Notes

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DU Decision unit

EPA Environmental Protection Agency

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NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-12D-01-06	GS-13B-01-06	GS-13D-01-06	GS-14B-01-06	GS-14B-01-06-DUP	GS-14B-01-06-TRI	GS-14D-01-06	GS-15B-01-06	GS-16B-01-06	GS-16B1-01-06	GS-16D-01-06	GS-17B-01-06
Aluminum	77000	8300	7200	7300	6800	6800	6600	6300	7700	7800	7900	8600	8400
Antimony	31	1	1	1 J	1.4	1.4	1.4	0.88 J	1.2	1.2	0.5	0.85	0.8
Arsenic	110[b]	43	72	52	72	73	71	42	56	65	24	37	42
Barium	15000	240	290	200	210	200	210	170	200	210	210	210	240
Beryllium	160	1.1	0.74	1.2	0.74	0.74	0.73	0.97	0.76	0.85	0.75	0.8	0.81
Cadmium	7.1	2.7	2.8	2	2.5	2.4	2.5	1.7	4.3	2	1.2	1.8	1.5
Calcium	NE	14000	8800	13000	9000	8900	8800	22000	11000	11000	7900	14000	14000
Chromium	120000	14	12	14	12	12	12	12	12	14	9.3	11	15
Cobalt	23	6.5	7.8	7.1	7.2	7.2	7.1	5.9	8.7	9.7	7.4	6.6	10
Copper	3100	45	60	45	57	59	57	40	46	49	31	42	44
Iron	55000	27000	37000	29000	35000	35000	35000	24000	28000	34000	20000	25000	29000
Lead	336[b]	240	**490**	230	**460**	**460**	**460**	200	220	250	79	180	150
Magnesium	NE	4700	3400	3800	3300	3200	3200	6000	3900	3700	2800	4000	4200
Manganese	1800	720	890	800	790	780	790	640	1400	930	510	630	750
Nickel	1500	35	72	23	28	29	28	26	27	42	25	35	35
Potassium	NE	3000	3200	2600	3000	3000	3000	2200	2400	2700	2000	2800	2300
Selenium	390	2.9	2.4	2.9	2.6	2.6	2.5	2.2	2.6	3.2	2.3	2.4	3.1
Silver	390	2.4	3.1	1.5	2.9	3	3.1	1.4	1.6	1.8	0.53	1.1	1
Sodium	NE	220	180 J+	170 J+	200 J+	200 J+	200 J+	160 J+	170 J+	170 J+	160 J+	570	180 J+
Thallium	0.78	0.38	0.47	0.38	0.44	0.46	0.45	0.31	0.35	0.37	0.23	0.31	0.32
Vanadium	390	35	40	31	37	36	36	26	37	38	25	35	36
Zinc	23000	370	590	400	510	510	510	340	880	400	260	320	290

Notes

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bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-17D-01-06	GS-18B-01-06	GS-18D-01-06	GS-19B-01-06	GS-20B-01-06	GS-20D-01-06	GS-21D-01-06	GS-22D-01-06	GS-23D-01-06	GS-24D-01-06	GS-25D-01-06	GS-26D-01-06
Aluminum	77000	9600	8100	7800	7500	7700	6900	6900	8000	8400	7900	7700	7000
Antimony	31	1.4	0.84	0.78	0.67	0.69	0.78	2.6	1.2	1	1.2	1.2	1
Arsenic	110[b]	55	36	28	30	33	34	**140**	47	48	46	58	46
Barium	15000	270	230	200	190	200	190	260	210	170	200	200	180
Beryllium	160	1.1	0.83	0.97	0.85	0.79	0.73	0.66	0.78	0.83	0.9	0.95	0.87
Cadmium	7.1	2.6	1.5	2	1.3	1.8	1.6	2.5	2.1	2.7	2.3	2.5	2.3
Calcium	NE	20000	11000	12000	10000	8200	11000	7100	11000	17000	11000	16000	14000
Chromium	120000	17	15	11	11	9.8	14	12	12	13	13	12	11
Cobalt	23	9.9	9.7	5.9	8.6	7.4	6.6	8.1	9.4	11	8.2	8.5	6.6
Copper	3100	56	37	31	41	33	31	57	45	45	42	44	47
Iron	55000	34000	27000	22000	25000	23000	22000	46000	29000	31000	28000	31000	25000
Lead	336[b]	210	120	130	110	130	120	**500**	180	190	180	240	200
Magnesium	NE	5700	3900	4400	4200	3300	3800	2700	3500	5100	3900	5800	4700
Manganese	1800	1000	740	640	600	700	720	1100	850	1000	840	980	850
Nickel	1500	37	40	37	44	34	24	26	23	27	28	25	21
Potassium	NE	3100	2100	1800	1900	1900	1700	2700	2600	2100	2600	3100	2300
Selenium	390	3.5	2.9	2.7	2.9	2.3	2.3	3	2.8	3.1	3	2.8	2.3
Silver	390	1.6	0.89	0.88	0.73	0.9	0.89	3.9	1.2	1.3	1.2	1.6	1.4
Sodium	NE	200 J+	160 J+	160 J+	140 J+	110 J+	140 J+	180 J+	180 J+	160 J+	120 J+	240	250
Thallium	0.78	0.42	0.32	0.28	0.28	0.28	0.26	0.48	0.33	0.35	0.35	0.37	0.31
Vanadium	390	42	32	26	27	28	27	48	36	36	33	36	31
Zinc	23000	470	270	320	230	260	280	520	410	380	440	410	590

Notes

All concentrations in milligrams per kilogram (mg/kg)
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

bold Indicates concentration that equals or exceeds the RBSL for residential soil

[a] The RBSL is the default EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-27D-01-06	GS-28D-01-06	GS-29A4-01-06	GS-29A5-01-06	GS-29D-01-06	GS-29D-01-06-DUP	GS-29D-01-06-TRI	GS-30A-01-06	GS-31A-01-06	GS-32A-01-06	GS-33A-01-06	GS-34A-01-06
Aluminum	77000	7600	7700	4400	4100	8600	8700	9100	4500	5200	5300	6900	6800
Antimony	31	0.65	1.3	2.4	2.6	1.8	1.8	1.7	1.8	2	1.9	1.6	1.4
Arsenic	110[b]	33	58	100	**110**	79	78	79	**110**	100	96	96	77
Barium	15000	190	180	160	170	220	220	250	190	220	210	220	180
Beryllium	160	0.79	1.5	0.78	0.55	1.7	1.8	1.8	0.5	0.67	0.6	0.75	0.73
Cadmium	7.1	1.5	2.5	1.8	2	3.8	3.8	3.9	1.9	2.2	1.9	2.9	3.4
Calcium	NE	11000	9200	16000	7600	8100	8100	8200	7500	4500	6000	7800	6700
Chromium	120000	10	14	27	19	14	14	15	16	9.9	19	18	20
Cobalt	23	6.1	6.6	5.8	5.6	7.3	7.3	7.6	6	4.8	5.4	9	8.7
Copper	3100	26	39	66	70	43	48	46	77	75	71	60	57
Iron	55000	22000	26000	40000	42000	30000	30000	31000	46000	43000	42000	41000	39000
Lead	336[b]	130	200	**610**	**700**	280	280	290	**650**	**650**	**570**	**450**	**410**
Magnesium	NE	2500	3200	4800	2000	3300	3400	3400	1700	1500	1700	2400	2300
Manganese	1800	640	880	560	560	1100	1100	1200	580	520	450	880	770
Nickel	1500	16	19	19	16	26	25	23	15	20	14	20	20
Potassium	NE	2100	2600	2400	2600	3000	3000	3100	2900	3100	2700	2900	2700
Selenium	390	2.1	2.6	2	2	2.9	2.9	3	2.1	2.4	2.4	2.7	2.8
Silver	390	0.95	1.3	4.1	4.4	2	2	2.2	4.2	4.5	4.1	3.3	2.8
Sodium	NE	280	240	250	240	160 J+	170 J+	170 J+	280	220	260	260	240
Thallium	0.78	0.24	0.37	0.51	0.54	0.45	0.44	0.45	0.53	0.57	0.52	0.54	0.47
Vanadium	390	26	37	37	38	45	45	47	39	38	36	40	35
Zinc	23000	260	430	390	420	590	600	620	460	470	420	500	520

Notes

All concentrations in milligrams per kilogram (mg/kg)
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

bold Indicates concentration that equals or exceeds the RBSL for residential soil

[a] The RBSL is the default EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

GS Garner Street

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

NE None established

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-35A-01-06	GS-36A-01-06	GS-37A-01-06	GS-38A-01-06	GS-39A-01-06	GS-40A-01-06	GS-40A1-01-06	GS-40A1-01-06-DUP	GS-40A1-01-06-TRI	GS-40A2-01-06	GS-41A-01-06	GS-42A-01-06
Aluminum	77000	6800	7200	7900	8500	9700	9000	7700	8300	8300	8600	8800	8700
Antimony	31	1.3	1.3	0.99	0.86	1.2	0.91	0.58	0.59	0.52	0.52	0.48	0.54
Arsenic	110[b]	75	80	65	63	84	58	37	43	37	29	32	29
Barium	15000	210	240	260	180	250	180	180	190	200	180	190	190
Beryllium	160	0.8	0.85	0.87	1	0.96	0.82	0.71	0.76	0.73	0.78	0.75	0.8
Cadmium	7.1	2.9	2.6	3.8	5.6	6.8	5.3	1.3	1.6	1.4	1.5	1.4	1.1
Calcium	NE	7000	8000	8400	10000	14000	19000	12000	12000	12000	13000	12000	16000
Chromium	120000	22	20	24	19	25	15	24	25	24	34	30	48
Cobalt	23	8.2	7.9	8.9	8.1	10	13	10	11	9.9	12	11	13
Copper	3100	56	52	50	63	71	52	36	43	36	41	43	38
Iron	55000	36000	35000	30000	34000	35000	38000	27000	30000	27000	30000	31000	31000
Lead	336[b]	**370**	320	270	240	270	200	98	110	100	61	68	54
Magnesium	NE	2200	2500	2500	3400	4200	3700	3800	4300	3900	4400	4400	4700
Manganese	1800	890	780	1300	940	1200	1200	670	760	670	650	610	720
Nickel	1500	19	19	22	19	25	27	26	27	25	33	32	39
Potassium	NE	3400	2800	3000	2800	3600	2600	2400	2600	2400	2500	2600	2400
Selenium	390	2.7	2.8	2.8	3.8	3.1	3.6	3.1	3.3	3	3.9	3.8	3.6
Silver	390	2.7	2.3	2.1	2.1	2	1.5	0.82	0.96	0.81	0.49	0.53	0.45
Sodium	NE	220	170 J+	200 J+	330	390	260	320	390	310	380	290	220
Thallium	0.78	0.48	0.48	0.44	0.42	0.45	0.43	0.32	0.34	0.31	0.38	0.37	0.34
Vanadium	390	36	39	39	35	42	39	29	31	30	30	31	31
Zinc	23000	490	490	570	1200	1500	730	240	280	240	200	200	180

Notes

All concentrations in milligrams per kilogram (mg/kg)
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

bold Indicates concentration that equals or exceeds the RBSL for residential soil

[a] The RBSL is the default EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-43A-01-06	GS-44A-01-06	GS-45A-01-06	GS-46A-01-06	GS-47A-01-06	GS-HOUSE-01-06	GS-VACANT-01-06	GS-CA01-01-06	GS-CA02-01-06	GS-CA03-01-06	GS-CA04-01-06	GS-CA04-01-06-DUP
Aluminum	77000	8900	6600	8000	8300	7100	8600	8400	6700	8300	8000	6200	6300
Antimony	31	0.39 J	0.45	0.41	0.56	0.61	1.2	1	1.3	0.76	1	1.3	1.2
Arsenic	110[b]	28	20	23	29	26	52	58	60	39	52	63	63
Barium	15000	170	170	200	220	180	210	210	170	160	180	170	180
Beryllium	160	0.78	0.65	0.79	0.83	0.78	0.87	0.97	0.78	0.76	0.83	0.79	0.78
Cadmium	7.1	1.2	0.79	1.1	1.4	1.2	2.2	2.3	1.7	1.5	2	2.3	2.2
Calcium	NE	14000	10000	12000	11000	16000	8200	9900	11000	19000	20000	14000	13000
Chromium	120000	20	34	12	28	27	26	35	22	15	19	24	26
Cobalt	23	15	6.7	11	12	7.5	8	8.6	10	14	12	7.7	8.1
Copper	3100	41	24	38	41	29	40	40	57	45	51	44	44
Iron	55000	32000	18000	25000	29000	20000	28000	29000	36000	36000	34000	28000	29000
Lead	336[b]	50	48	61	71	86	210	210	290	120	180	260	260
Magnesium	NE	4500	2900	3900	4600	5400	2800	3600	3000	3700	4300	4000	3900
Manganese	1800	750	470	670	790	600	890	870	710	770	850	800	770
Nickel	1500	33	25	39	31	22	21	30	25	28	28	22	24
Potassium	NE	2300	1800	2000	2400	2000	4400	2900	2500	2800	2200	2800	2800
Selenium	390	4.1	2	3.3	3.4	2.4	2.7	3.2	3.3	4.5	3.6	2.7	2.6
Silver	390	0.35	0.37	0.45	0.78	0.61	1.2	1.5	1.9	0.83	1.3	1.8	1.8
Sodium	NE	250	170 J+	410	450	170 J+	180 J+	120 J+	180 J+	200 J+	190 J+	140 J+	140 J+
Thallium	0.78	0.36	0.22	0.32	0.35	0.27	0.34	0.44	0.42	0.38	0.44	0.39	0.4
Vanadium	390	30 J	24	26	29	27	39	35	36	34	38	38	39
Zinc	23000	180	140	180	230	210	420	380	340	240	320	440	420

Notes

All concentrations in milligrams per kilogram (mg/kg)
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

bold Indicates concentration that equals or exceeds the RBSL for residential soil

[a] The RBSL is the default EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

GS Garner Street

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

NE None established

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-CA04-01-06-TRI	GS-CA05-01-06	GS-CA06-01-06	GS-CA07-01-06	GS-CA08-01-06	GS-CA09-01-06	GS-CA10-01-06	GS-CA11-01-06	GS-CA12-01-06	GS-CA12-01-06-DUP	GS-CA12-01-06-TRI	GS-CA13-01-06
Aluminum	77000	5900	7000	7700	6900	7700	7500	7800	7200	7700	7700	8200	8100
Antimony	31	1.3	1.2	1.1	0.47	0.81	0.83	0.8	1.3 J	0.9	0.85	0.93	0.85
Arsenic	110[b]	62	67	60	21	42	47	49	68	53	44	57	46
Barium	15000	150	200	190	170	180	180	170	160	130	130	130	200
Beryllium	160	0.71	0.74	0.77	0.7	0.89	0.81	0.83	0.76	0.83	0.84	0.85	0.96
Cadmium	7.1	2	2.3	1.8	0.81	1.8	2.1	1.8	2.3	1.8	1.5	2.2	1.1
Calcium	NE	15000	14000	12000	15000	24000	17000	18000	15000	19000	25000	18000	16000
Chromium	120000	23	21	17	24	12	11	12	11	12	12	13	15
Cobalt	23	7.7	9.4	10	6.9	8.7	12	11	12	10	11	11	8.7
Copper	3100	44	46	45	25	41	38	44	50	43	43	48	31
Iron	55000	28000	31000	33000	19000	27000	29000	33000	36000	29000	30000	32000	24000
Lead	336[b]	250	220	180	64	190	170	210	300	170	140	190	110
Magnesium	NE	3800	4200	4000	4900	6700	4600	5000	4000	6100	6500	5600	4700
Manganese	1800	730	840	830	520	830	1000	970	1100	840	830	940	640
Nickel	1500	21	23	22	20	25	28	27	28	26	31	31	35
Potassium	NE	2600	2700	3600	2600	2400	2400	2200	2300	2200	2100	2300	2400
Selenium	390	2.4	2.7	3.5	2.1	2.7	2.8	3.1	3.1	2.9	3.2	3	2.8
Silver	390	1.8	1.7	1.4	0.47	1.3	1.3	1.3	2.1 J	1.9	0.93	1.2	0.76
Sodium	NE	130 J+	190 J+	170 J+	100 J+	170 J+	120 J+	160 J+	170 J+	270	280	250	130 J+
Thallium	0.78	0.38	0.39	0.37	0.23	0.35	0.35	0.43	0.48	0.35	0.35	0.38	0.33
Vanadium	390	37	40	39	25	32	31	32	35	34	32	35	38
Zinc	23000	380	410	350	180	290	320	310	360	300	240	340	210

Notes

All concentrations in milligrams per kilogram (mg/kg)
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

bold Indicates concentration that equals or exceeds the RBSL for residential soil

[a] The RBSL is the default EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 3
Analytical Results Summary
(DU Samples [1 to 6 inches bgs])

Analyte	RBSL[a]	GS-CA13-01-06-DUP	GS-CA13-01-06-TRI	GS-CA14-01-06	GS-CA14-01-06-DUP	GS-CA14-01-06-TRI
Aluminum	77000	7100	7300	6600	7900	7900
Antimony	31	0.73	0.77	0.33	0.53	0.5
Arsenic	110[b]	33	42	18	25	27
Barium	15000	160	180	140	190	190
Beryllium	160	0.84	0.81	0.59	0.91	0.93
Cadmium	7.1	1.2	1.5	0.64	0.94	0.91
Calcium	NE	24000	19000	10000	16000	15000
Chromium	120000	13	13	9.7	13	14
Cobalt	23	8.4	8.9	6.8	8	7.6
Copper	3100	36	41	21	31	26
Iron	55000	24000	25000	17000	22000	20000
Lead	336[b]	120	130	58	83	72
Magnesium	NE	7000	5600	3400	5600	5500
Manganese	1800	680	730	440	630	600
Nickel	1500	25	28	14	22	18
Potassium	NE	2100	2200	2100	2100	2100
Selenium	390	2.5	2.6	1.9	2.6	2.6
Silver	390	0.68	0.93	0.25	0.47	0.42
Sodium	NE	180 J+	200 J+	110 J+	110 J+	100 J+
Thallium	0.78	0.29	0.33	0.21	0.28	0.27
Vanadium	390	29	32	22	27	26
Zinc	23000	300	410	120	170	160

Notes

All concentrations in milligrams per kilogram (mg/kg)
Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

bold Indicates concentration that equals or exceeds the RBSL for residential soil

[a] The RBSL is the default EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

bgs Below ground surface

DU Decision unit

EPA Environmental Protection Agency

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

NE None established

RBSL Risk-based screening level

RSL Regional Screening Level

Table 4
Analytical Results Summary
(Mercury)

Sample ID	Mercury	
EPA RSL[a]	**11**	
GS-01E-00-06	0.11	J-
GS-09E-00-06	0.18	
GS-13B-00-06	0.4	
GS-14D-00-06	0.094	J-
GS-21D-00-06	0.14	
GS-27D-00-06	0.11	J-
GS-39A-00-06	0.15	
GS-CA02-00-06	0.061	
GS-CA14-00-06	0.66	
GS-HOUSE-00-06	0.12	J-
GS-HOUSE-00-06-DUP	0.081	J-
GS-VACANT-00-06	0.22	
GS-VACANT-00-06-DUP	0.27	

Notes:

All concentrations in milligrams per kilogram (mg/kg)

[a] EPA RSL for residential soil (based on elemental mercury)

J- The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.

Table 5
Analytical Results Summary
(Berm Characterization Samples)

Analyte	RBSL[a]	GS-29A5-COMP	GS-32A-COMP	GS-35A-COMP	GS-39A-COMP	GS-43A-COMP
Aluminum	77000	2900	5300	6200	7300	8700
Antimony	31	1.8	1.1	1.2	1.3	0.27
Arsenic	110[b]	90	60	69	72	20
Barium	15000	110	120	180	150	130
Beryllium	160	0.41	0.55	0.63	1	0.86
Cadmium	7.1	1.4	1.2	2	4.9	1.5
Calcium	NE	4200	9300	6400	8800	21000
Chromium	120000	5.2	7.8	8.6	10	12
Cobalt	23	3.9	7.9	8.7	9.3	16
Copper	3100	49	42	50	77	35
Iron	55000	29000	33000	35000	38000	40000
Lead	336[b]	**550**	**350**	**390**	**350**	30
Magnesium	NE	1200	2500	2200	2900	5300
Manganese	1800	450	510	730	1100	1100
Nickel	1500	6.7 J+	14	15	17	36
Potassium	NE	2300	2300	2600	2400	1900
Selenium	390	1.2	2.4	2.3	3.1	4.3
Silver	390	3.2	2.1	2.3	2.4	0.2
Sodium	NE	180 J+	180 J+	160 J+	390	290
Thallium	0.78	0.44	0.38	0.45	0.49	0.43
Vanadium	390	34	28	32	37	30
Zinc	23000	290	240	380	650	130

Notes:

All concentrations in milligrams per kilogram (mg/kg)

Screening levels are generic levels considered by EPA to be protective for humans over a lifetime. They are not cleanup levels. Soil levels over the screening level mean further study may be appropriate.

bold Indicates concentration that exceeds the RBSL for residential soil

[a] EPA RSL for residential soil (target risk 1E-06, target hazard quotient 1) except where noted.

[b] Site-specific RBSL as documented in Enclosure 3.

EPA Environmental Protection Agency

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

RBSL Risk-based screening level

RSL Regional Screening Level

Table 6
Analytical Results Summary
(Bioavailability Testing)

Analyte	Analyte		IVBA Percent	Relative Bioavailability (RBA)
	Total Lead (mg/kg)	IVBA Lead (mg/kg)		
GS-06E-00-01	140	58.1	42%	34%
GS-07E-00-01	240	57.1	24%	18%
GS-08A-00-01	100	28.4	28%	22%
GS-08B-00-01	440	22.3	5.1%	1.7%
GS-12B-00-01	340	21.8	6.4%	2.8%
GS-21D-00-01	640	83.9	13%	8.7%
GS-23D-00-01	260	41.2	16%	11%
GS-27D-00-01	110	20.9	19%	14%
GS-29A4-00-01	550	13.7	2.5%	-0.61%
GS-29D-00-01	370	65.7	18%	13%
GS-34A-00-01	450	11.8	2.6%	-0.49%
GS-36A-00-01	350	25.2	7.2%	3.5%
GS-40A-00-01	190	14.1	7.4%	3.7%
GS-CA10-00-01	160	49.2	31%	24%
GS-HOUSE-00-01	210	22.7	11%	6.7%
		Average	**15%**	**11%**
		95% UCL (EPA 2022)	**21%**	**15%**

Notes:

Lead bioavailablity is calculated using the equation from EPA 2021:

RBA = (87.8% x IVBA Percent) - 2.8%

IVBA	In Vitro Bioaccessibility Assay
mg/kg	milligrams per kilogram
RBA	Relative Bioavailability

EPA. 2021. Guidance for Sample Collection for In Vitro Bioaccessibility Assay for Arsenic and Lead in Soil and Applications of Relative Bioavailability Data in Human Health Risk Assessment. January 4.

EPA. 2022. Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations.

Table 7
Analytical Results Summary
(Bioavailability Testing - Arsenic)

Sample ID	Analyte		IVBA Percent	Relative Bioavailability (RBA)
	Total Arsenic (mg/kg)	IVBA Arsenic (mg/kg)		
GS-04A-00-01	31.6	4.89	15%	15%
GS-04B-00-01	96.3	13.9	14%	14%
GS-05B-00-01	62.7	9.25	15%	15%
GS-08E-00-01	46.7	8.53	18%	17%
GS-09B-00-01	109	8.85	8.1%	9%
GS-10B-00-01	120	10.8	9.0%	10%
GS-11D-00-01	34.1	5.87	17%	17%
GS-16B1-00-01	35.5	4.38	12%	13%
GS-28D-00-01	48.2	7.29	15%	15%
GS-29A5-00-01	109	7.55	6.9%	8.5%
GS-33A-00-01	106	10.4	10%	11%
GS-38A-00-01	64.7	5.27	8.1%	9.4%
GS-40A1-00-01	39	4.52	12%	12%
GS-44A-00-01	25.6	4	16%	15%
GS-HOUSE-00-01	58.2	8.02	14%	14%
		Average	**13%**	**13%**
		95% UCL (EPA 2022)	**14%**	**14%**

Notes:

Lead bioavailablity is calculated using the equation from EPA 2021:

RBA = (79% x IVBA) + 3%

IVBA	In Vitro Bioaccessibility Assay
mg/kg	milligrams per kilogram
RBA	Relative Bioavailability

EPA. 2021. Guidance for Sample Collection for In Vitro Bioaccessibility Assay for Arsenic and Lead in Soil and Applications of Relative Bioavailability Data in Human Health Risk Assessment. January 4.

EPA. 2022. Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations.

Table 8
Analytical Results Summary
(TCLP Results)

Analyte	RCRA Allowable Limit	GS-TCLP-01	
Arsenic	5	0.10	U
Barium	100	0.20	U
Cadmium	1	0.010	
Chromium	5	0.010	U
Lead	5	0.10	U
Mercury	0.2		R
Selenium	1	0.10	U
Silver	5	0.010	U

Notes:

All concentrations in milligrams per liter (mg/L)

R The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.

RCRA Resource Conservation and Recovery Act

TCLP Toxicity Characteristic Leaching Procedure

U The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).

Table 9
Field Precision Evaluation

Analyte	Count of RSD	Minimum of RSD	Average of RSD	Max of RSD
Aluminum	20	0.80%	3.8%	10%
Antimony	20	0.0%	9.6%	28%
Arsenic	20	0.60%	9.0%	37%
Barium	20	0.0%	6.9%	22%
Beryllium	20	0.0%	4.3%	24%
Cadmium	20	1.3%	12%	52%
Calcium	20	0.0%	8.6%	24%
Chromium	20	0.0%	6.9%	25%
Cobalt	20	0.81%	4.9%	14%
Copper	20	0.0%	6.3%	19%
Iron	20	0.0%	4.6%	17%
Lead	20	0.0%	7.8%	23%
Magnesium	20	1.5%	7.7%	29%
Manganese	20	0.0%	6.1%	18%
Nickel	20	2.0%	9.7%	23%
Potassium	20	0.0%	3.9%	10%
Selenium	20	0.0%	4.9%	17%
Silver	20	0.0%	12%	37%
Sodium	20	0.0%	6.9%	22%
Thallium	20	0.0%	4.8%	15%
Vanadium	20	0.0%	3.9%	14%
Zinc	20	0.0%	9.0%	33%
Grand Total	**440**	**0.0%**	**7.0%**	**52%**

Notes:

RSD Relative standard deviation

ENCLOSURE 3: SITE-SPECIFIC SCREENING LEVELS

U.S. EPA Region 8 Removal Program Risk-Based Screening Levels for Lead and Arsenic with Site-Specific Bioavailability Values

The U.S. EPA Region 8 Removal Program calculated risk-based screening levels (RBSL) utilizing the site-specific relative bioavailability results for lead and arsenic. The adjusted RBSLs shown in the tables below were calculated using the 95 percent upper confidence level (95% UCL) and maximum values for bioavailability from the laboratory analyses. The 95% UCLs were calculated using ProUCL version 5.2.0, rounded to two significant figures (EPA 2022).

Table 1. Screening Levels for Arsenic

Soil Relative Bioavailability (%) [1]	Cancer Screening Level (parts per million) [2]	Noncancer Screening Level (parts per million) [3]	Overall RBSL (parts per million) [4]
60%	68	35	35
18%	175	93	93
14%	210	110	110

Notes:

1 Relative bioavailabilities are the default bioavailability used in generic EPA screening (60%), the maximum for sample results (18%) and the 95% UCL for sample results (14%).

2 Cancer RBSLs are based on a target cancer risk of $1x10^{-4}$.

3 Noncancer RBSLs are based on a target hazard quotient of 1.0.

4 The overall RBSL is the lower of the cancer and noncancer RBSL.

Table 2. Screening Levels for Lead

Soil Relative Bioavailability (%) [1]	Dust Relative Bioavailability (%)	Soil Absolute Bioavailability or IEUBK Absorption Fraction (%)	Dust Absolute Bioavailability or IEUBK Absorption Fraction (%)	Soil Lead RBSL (parts per million) [2]
60%	60%	30%	30%	200
34%	60%	17%	30%	261
34%	34%	17%	17%	358
15%	60%	7.5%	30%	336
15%	15%	7.5%	7.5%	821

Notes:

1 Relative bioavailabilities are the default bioavailability used in generic EPA screening (60%), the maximum value for sample results (34%), and the 95% UCL for sample results (15%). These values were used for both soil and dust in different combinations to illustrate potential variability in the RBSL.

2 The soil lead RBSLs are based on the EPA target for no more than a 5% probability of exceeding a cutoff of 5 micrograms per deciliter blood lead in children (EPA 2024), and were calculated using the Integrated Exposure Uptake Biokinetic (IEUBK) Model, version 2.0, build 1.72 using default values for all parameters except the RBA inputs as specified in Table 2 (EPA 2017).

References:

EPA. 2017. Integrated Exposure Uptake Biokinetic Model (IEUBK) for Lead in Children. Version 2.0, Build 1.72.

EPA. 2022. Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations. July.

EPA. 2024. Updated Residential Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities. Office of Land and Emergency Management. January 17.

ENCLOSURE 4: DATA VALIDATION REPORT

TETRA TECH

July 13, 2022

Joyce Ackerman
EPA On-Scene Coordinator
U.S. Environmental Protection Agency, Region 8
1595 Wynkoop Street
Denver, Colorado, 80202

Subject: **Data Validation Report**
Garner Street Soils Site RS
EPA Contract No.: 68HE0820D0001
Task Order No. 68HE0820F0071
Technical Direction (TD) No.: 2071-2201-01
Document Tracking No. 0610

Dear Ms. Ackerman,

Tetra Tech, Inc. (Tetra Tech) is submitting this data validation report for 253 soil samples (including 22 field duplicate samples, and 20 field triplicate samples), one field blank sample, and four rinsate blank samples collected at the Garner Street Soils Site RS. The samples were collected on May 16, 17, 18, and 19, 2022 and were analyzed for metals and mercury by ALS Environmental. The final laboratory data package was received on June 28, 2022.

Analytical data were evaluated in general accordance with the Tetra Tech *Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment Task Orders, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (May 2021), and the EPA *National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review* (November 2020).

No rejection of results was required for this data package. The results may be used as qualified based on the findings of this validation effort.

If you have any questions regarding this data validation report, please call me at (484)-459-1371.

Sincerely,

Aaron J. Smith

Aaron Smith
Environmental Chemist

Enclosures
cc: Didi Fung, Tetra Tech Program Manager
Brian Croft, Tetra Tech Project Manager
Clayton Longest, Tetra Tech Project Document Control Coordinator
TO/TD File

Tetra Tech, Inc.
1560 Broadway, Suite 1400, Denver, CO 80202
Tel 303.312.8800
www.tetratech.com

ATTACHMENT

DATA VALIDATION REPORT
ALS ENVIRONMENTAL REPORT NO. 2205638

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 8 START CONTRACT

Site Name	Garner Street Soils Site RS	**TO/TD No.**	2071-2201-01
Document Tracking No.	0610		
Data Reviewer (signature and date)	Aaron J Smith 6/24/2022	**Technical Reviewer (signature and date)**	Josh Cope 7/7/2022
Laboratory Report No.	2205638	**Laboratory**	ALS Environmental – Fort Collins, CO
Analyses	Metals by SW-846 method 6020B, and mercury by SW-846 methods 7470A and 7471B		
Samples and Matrix	253 soil samples and 5 aqueous field QC blank samples		
Collection Date(s)	5/16/2022, 5/17/2022, 5/18/2022, and 5/19/2022		
Field Duplicate Pairs and Field Triplicate Sets	GS-03E-00-01, GS-03E-00-01-DUP, and GS-03E-00-01-TRI; GS-03E-01-06, GS-03E-01-06-DUP, and GS-03E-01-06-TRI; GS-04A-00-01, GS-04A-00-01-DUP, and GS-04A-00-01-TRI; GS-04A-01-06, GS-04A-01-06-DUP, and GS-04A-01-06-TRI; GS-11B-00-01, GS-11B-00-01-DUP, and GS-11B-00-01-TRI; GS-11B-01-06, GS-11B-01-06-DUP, and GS-11B-01-06-TRI; GS-14B-00-01, GS-14B-00-01-DUP, and GS-14B-00-01-TRI; GS-14B-01-06, GS-14B-01-06-DUP, and GS-14B-01-06-TRI; GS-29D-00-01, GS-29D-00-01-DUP, and GS-29D-00-01-TRI; GS-29D-01-06, GS-29D-01-06-DUP, and GS-29D-01-06-TRI; GS-40A1-00-01, GS-40A1-00-01-DUP, and GS-40A1-00-01-TRI; GS-40A1-01-06, GS-40A1-01-06-DUP, and GS-40A1-01-06-TRI; GS-CA04-00-01, GS-CA04-00-01-DUP, and GS-CA04-00-01-TRI; GS-CA04-01-06, GS-CA04-01-06-DUP, and GS-CA04-01-06-TRI; GS-CA12-00-01, GS-CA12-00-01-DUP, and GS-CA12-00-01-TRI; GS-CA12-01-06, GS-CA12-01-06-DUP, and GS-CA12-01-06-TRI; GS-CA13-00-01, GS-CA13-00-01-DUP, and GS-CA13-00-01-TRI; GS-CA13-01-06, GS-CA13-01-06-DUP, and GS-CA13-01-06-TRI; GS-CA14-00-01, GS-CA14-00-01-DUP, and GS-CA14-00-01-TRI; GS-CA14-01-06, GS-CA14-01-06-DUP, and GS-CA14-01-06-TRI; GS-HOUSE-00-06 and GS-HOUSE-00-06-DUP; GS-VACANT-00-06 and GS-VACANT-00-06-DUP		
Field QC Blanks	GS-FB01, GS-RB01, GS-RB02, GS-RB03, GS-RB04		

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 8 START CONTRACT

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment Task Orders, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (May 2021), and the EPA *National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No rejection of results was required for this data package. The results may be used as qualified based on the findings of this validation effort.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
N	Samples GS-13B-01-06, GS-29D-01-06, GS-29D-01-06-DUP, and GS-29D-01-06-TRI from the chain of custody (CoC) were logged in and recorded incorrectly upon receipt at the laboratory. The samples were identified as GS-13B-10-06, GS-29-01-06, GS-29-01-06-DUP, and GS-29-01-06-TRI, respectively, in the laboratory report and electronic data deliverable (EDD). The laboratory was contacted, and a revised data package and EDD were provided. See attached correspondence. No qualifications were necessary for this discrepancy. Sample GS-25D-00-01 from the CoC was logged in and recorded incorrectly upon receipt at the laboratory. The sample was identified as GS-25D-01-06, which is the same identification as the following sample from the CoC. As a result, there were two sets of results for sample GS-25D-01-06 in the laboratory report and EDD. The laboratory was contacted, and a revised data package and EDD were provided. See attached correspondence. No qualifications were necessary for this discrepancy. According to the laboratory sample receipt checklist, sample containers were present for GS-VACANT-00-06-TRI and GS-HOUSE-00-06-TRI, but these samples were not listed on the CoC and were written in. The laboratory contacted the project manager and were instructed not to analyze these samples. No qualifications were necessary for this discrepancy.

Method blanks:

Within Criteria	Exceedance/Notes
N	Mercury, copper, and thallium were detected in one of the associated method blanks at negative concentrations greater than the method detection limit (MDL) and less than the reporting limit (RL). Associated sample results were qualified as follows: • The following positive mercury results were less than ten times the absolute value of the method blank result and were qualified as estimated, potentially biased low (flagged J-). Samples GS-01E-00-06, GS-HOUSE-00-06, GS-HOUSE-00-06-DUP, GS-14D-00-06, GS-27D-00-06, GS-BG01-00-06, GS-BG02-00-06, GS-BG03-00-06, and GS-CA02-00-06. • The following non-detect thallium and copper results were qualified as estimated, potentially biased low (flagged UJ). Samples GS-FB01, GS-RB01, GS-RB02, GS-RB03, and GS-RB04.

Field blanks:

Within Criteria	Exceedance/Notes
N	Low level concentrations of calcium, manganese, and sodium were found in field blank GS-FB01, associated with all samples. The calcium and manganese concentrations in field samples were sufficiently greater than the blank as to not warrant qualifications. However, the positive sodium results were qualified as follows: • The following positive sodium results were greater than the method detection limit (MDL), but less than the reporting limit (RL) and were qualified as not-detected (flagged U), and the result was raised to the value of the RL. Samples GS-04A-00-01, GS-04A-00-01-DUP, GS-06A-00-01, GS-08A-00-01, GS-08A-01-06, GS-11D-00-01, GS-20B-00-01, GS-BG01-00-01, GS-BG01-01-06, GS-BG02-00-01, GS-BG02-01-06, GS-BG03-00-01, GS-BG03-01-06, GS-CA07-00-01, GS-CA14-00-01, GS-CA14-00-01-DUP, and GS-CA14-00-01-TRI . • The following positive sodium results were greater than the RL, but less than ten times the field blank result and were qualified as estimated, potentially biased high (flagged J+). Samples GS-01A-00-01, GS-01A-01-06, GS-01E-00-01, GS-01E-01-06, GS-02A-00-01, GS-02A-01-06, GS-02B-00-01, GS-02B-01-06, GS-02E-00-01, GS-02E-01-06, GS-03A-00-01, GS-03A-01-06, GS-03B-00-01, GS-03B-01-06, GS-03E-00-01, GS-03E-00-01-DUP, GS-03E-00-01-TRI, GS-03E-01-06, GS-03E-01-06-DUP, GS-03E-01-06-TRI, GS-04A-00-01-TRI, GS-04A-01-06, GS-04A-01-06-DUP, GS-04A-01-06-TRI, GS-04E-00-01, GS-04E-01-06, GS-05A-00-01, GS-05A-01-06, GS-06A-01-06, GS-06E-00-01, GS-06E-01-06, GS-07A-00-01,

Field blanks - Continued:

Within Criteria	Exceedance/Notes
N	GS-07A-01-06, GS-07A1-00-01, GS-07E-00-01, GS-07E-01-06, GS-08E-01-06, GS-09E-00-01, GS-09E-01-06, GS-10B-00-01, GS-11D-01-06, GS-12B-00-01, GS-12D-00-01, GS-13B-00-01, GS-13B-01-06, GS-13D-01-06, GS-14B-00-01, GS-14B-00-01-DUP, GS-14B-00-01-TRI, GS-14B-01-06, GS-14B-01-06-DUP, GS-14B-01-06-TRI, GS-14D-01-06, GS-15B-00-01, GS-15B-01-06, GS-16B-00-01, GS-16B-01-06, GS-16B1-01-06, GS-17B-00-01, GS-17B-01-06, GS-17D-00-01, GS-17D-01-06, GS-18B-00-01, GS-18B-01-06, GS-18D-00-01, GS-18D-01-06, GS-19B-00-01, GS-19B-01-06, GS-20B-01-06, GS-20D-00-01, GS-20D-01-06, GS-21D-00-01, GS-21D-01-06, GS-22D-01-06, GS-23D-01-06, GS-24D-00-01, GS-24D-01-06, GS-29D-01-06, GS-29D-01-06-DUP, GS-29D-01-06-TRI, GS-29A5-00-01, GS-29A5-COMP, GS-31A-00-01, GS-32A-COMP, GS-35A-COMP, GS-36A-00-01, GS-36A-01-06, GS-37A-00-01, GS-37A-01-06, GS-42A-00-01, GS-44A-00-01, GS-44A-01-06, GS-47A-00-01, GS-47A-01-06, GS-CA01-00-01, GS-CA01-01-06, GS-CA02-00-01, GS-CA02-01-06, GS-CA03-00-01, GS-CA03-01-06, GS-CA04-00-01, GS-CA04-00-01-DUP, GS-CA04-00-01-TRI, GS-CA04-01-06, GS-CA04-01-06-DUP, GS-CA04-01-06-TRI, GS-CA05-00-01, GS-CA05-01-06, GS-CA06-00-01, GS-CA06-01-06, GS-CA07-01-06, GS-CA08-00-01, GS-CA08-01-06, GS-CA09-00-01, GS-CA09-01-06, GS-CA10-00-01, GS-CA10-01-06, GS-CA11-00-01, GS-CA11-01-06, GS-CA12-00-01, GS-CA12-00-01-DUP, GS-CA12-00-01-TRI, GS-CA13-00-01, GS-CA13-00-01-DUP, GS-CA13-00-01-TRI, GS-CA13-01-06, GS-CA13-01-06-DUP, GS-CA13-01-06-TRI, GS-CA14-01-06, GS-CA14-01-06-DUP, GS-CA14-01-06-TRI, GS-HOUSE-00-01, GS-HOUSE-01-06, GS-VACANT-00-01, and GS-VACANT-01-06. Low level concentrations of chromium, iron, lead, manganese, nickel, and sodium were found in rinse blank sample GS-RB01, associated with samples collected on 5/16/2022. The chromium, iron, lead, manganese, and nickel concentrations were sufficiently greater than the blank as to warrant qualifications. The positive sodium results for GS-CA04-01-06, GS-CA04-01-06-DUP, and GS-CA04-01-06-TRI were qualified as estimated, potentially biased high (flagged J+). Low level concentrations of calcium, iron, manganese, and nickel were found in rinse blank sample GS-RB02, associated with samples collected on 5/17/2022. However, the concentrations of these analytes in field samples were sufficiently greater than the blank as to not warrant qualifications. Low level concentrations of chromium, iron, manganese, and nickel were found in rinse blank sample GS-RB03, associated with samples collected on 5/18/2022. However, the concentrations of these analytes in field samples were sufficiently greater than the blank as to not warrant qualifications.

Field blanks - Continued:

Within Criteria	Exceedance/Notes
N	Low level concentrations of iron, manganese, and nickel were found in rinse blank sample GS-RB04, associated with samples collected on 5/19/2022. The concentrations of iron and manganese in field samples were sufficiently greater than the blank as to not warrant qualifications. However, the positive nickel results in GS-29A5-COMP, GS-CA14-00-01, and GS-CA14-00-01-TRI were qualified as estimated, potentially biased high (flagged J+).

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
N	**Parent sample GS-06B-00-01**: The average matrix spike/matrix spike duplicate (MS/MSD) percent recovery (%R) for antimony was below the lower acceptance limit, however, the post digestion spike (PDS) sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-06B-00-01. The MS %R for silver was above the upper acceptance limits, but the average MS/MSD %R was within limits so no qualifications were applied. The %Rs and relative percent differences (RPDs) for aluminum, arsenic, barium, cadmium, calcium, iron, lead, magnesium, manganese, potassium, and zinc were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added. **Parent sample GS-06B-01-06**: The average MS/MSD %R for antimony was below the lower acceptance limit, however, the PDS sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-06B-01-06. The %Rs and RPDs for aluminum, arsenic, barium, cadmium, calcium, iron, lead, magnesium, manganese, potassium, and zinc were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added. **Parent sample GS-13D-00-01**: The average MS/MSD %R for antimony was below the lower acceptance limit, however, the PDS sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-13D-00-01. The %Rs and RPDs for aluminum, arsenic, barium, calcium, iron, lead, magnesium, manganese, and potassium were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added.

MS/MSDs - Continued:

Within Criteria	Exceedance/Notes
N	**Parent sample GS-13D-01-06**: The average MS/MSD %R for antimony was below the lower acceptance limit, however, the PDS sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-13D-01-06. The %Rs and RPDs for aluminum, arsenic, barium, calcium, iron, lead, manganese, and potassium were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added. **Parent sample GS-14D-00-01**: The average MS/MSD %R for antimony was below the lower acceptance limit, however, the PDS sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-14D-00-01. The average MS/MSD %R for silver was above the upper acceptance limit, however the PDS sample was within limits; therefore, silver was qualified as estimated (flagged J) in GS-14D-00-01. The %Rs and RPDs for aluminum, arsenic, barium, calcium, iron, lead, magnesium, manganese, and potassium were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added. **Parent sample GS-14D-01-06**: The average MS/MSD %R for antimony was below the lower acceptance limit, however, the PDS sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-14D-01-06. The MSD %R for vanadium was above the upper acceptance limits, but the average MS/MSD %R was within limits so no qualifications were applied. The %Rs and RPDs for aluminum, arsenic, barium, calcium, iron, lead, magnesium, manganese, and potassium were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added. **Parent sample GS-43A-00-01**: The average MS/MSD %R for antimony was below the lower acceptance limit, however, the PDS sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-43A-00-01. The %Rs and RPDs for aluminum, barium, calcium, iron, lead, magnesium, manganese, and potassium were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added. **Parent sample GS-43A-01-06**: The average MS/MSD %R for antimony was below the lower acceptance limit, however, the PDS sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-43A-01-06. The average MS/MSD %R for vanadium was above the upper acceptance limit, however, the PDS sample was within limits; therefore, vanadium was qualified as estimated (flagged J) in GS-43A-01-06. The %Rs and RPDs for aluminum, barium, calcium, iron, lead, magnesium, manganese, and potassium were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added.

MS/MSDs - Continued:

Within Criteria	Exceedance/Notes
N	**Parent sample GS-CA11-00-01**: The average MS/MSD %R for antimony was below the lower acceptance limit, however, the PDS sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-CA11-00-01. The %Rs and RPDs for aluminum, arsenic, barium, calcium, iron, lead, manganese, and potassium were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added. **Parent sample GS-CA11-01-06**: The average MS/MSD %R for antimony was below the lower acceptance limit, however, the PDS sample was within limits; therefore, antimony was qualified as estimated, (flagged J) in GS-CA11-01-06. The average MS/MSD %R and the RPD for silver were above the upper acceptance limits, however, the PDS sample was within limits: therefore, silver was qualified as estimated (flagged J) in GS-CA11-01-06. The MS %R for vanadium was above the upper acceptance limits, but the average MS/MSD %R was within limits so no qualifications were applied. The %Rs and RPDs for aluminum, arsenic, barium, calcium, iron, lead, manganese, and potassium were not evaluated because the concentration of these analytes in the parent sample was greater than four times (4x) the spike added.

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
Y	There were two sets of field duplicates and 20 sets of field triplicates collected and submitted for analysis. The field duplicates were evaluated using the data quality objectives (DQOs) in the QAPP and were within applicable limits. An assessment of relative standard deviation (RSD) was conducted for the field triplicates, and field precision appears to be excellent for all samples and analytes in the triplicate sample sets. Further assessment of data usability based on the field triplicate data has been left to the project team.

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	All samples were analyzed at a 10-fold (10x) dilution for SW-846 method 6020B. It is standard practice at ALS, Fort Collins to analyze ICP-MS samples at a dilution due to potential matrix interference. The following samples and analytes required further dilutions of one hundred-fold (100x) to bring the concentration of the analyte within the calibration range of the instrument: • Lead in samples GS-10B-01-06, GS-11B-01-06, GS-11B-01-06-DUP, GS-11B-01-06-TRI, GS-12B-01-06, GS-21D-00-01, GS-21D-01-06, GS-29A4-00-01, GS-29A4-01-06, GS-29A5-00-01, GS-29A5-01-06, GS-29A5-COMP, GS-30A-01-06, GS-31A-01-06, GS-32A-01-06, and GS-34A-01-06. • Manganese in samples GS-04B-00-01, GS-04B-01-06, GS-05B-00-01, GS-05B-01-06, GS-06B-00-01, GS-06B-01-06, and GS-07B-01-06.

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	The laboratory reported analytes detected below the method detection limit (MDL) in the EDD as not detected (flagged U) at the value of the MDL. For analytes that were not detected (flagged U) by the laboratory, the reported value in the EDD was raised to the value of the RL by the validator. Analytes detected between the MDL and the reporting limit (RL) were qualified as estimated (flagged J) by the laboratory. MDLs and RLs are provided in the attached analytical data table and the laboratory data package.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

Garner Street Soils RS Site Soil Analytical Results Summary
ALS Environmental Report No. 2205638

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-01A-00-01	SW6020	ALUMINUM	7100		6.4	15	MG/KG	7100	
GS-01A-00-01	SW6020	ANTIMONY	0.69		0.018	0.098	MG/KG	0.69	
GS-01A-00-01	SW6020	ARSENIC	29		0.048	0.2	MG/KG	29	
GS-01A-00-01	SW6020	BARIUM	160		0.23	0.49	MG/KG	160	
GS-01A-00-01	SW6020	BERYLLIUM	1		0.0049	0.049	MG/KG	1	
GS-01A-00-01	SW6020	CADMIUM	1.2		0.022	0.2	MG/KG	1.2	
GS-01A-00-01	SW6020	CALCIUM	11000		17	98	MG/KG	11000	
GS-01A-00-01	SW6020	CHROMIUM	28		0.54	0.98	MG/KG	28	
GS-01A-00-01	SW6020	COBALT	5.8		0.031	0.49	MG/KG	5.8	
GS-01A-00-01	SW6020	COPPER	36		0.28	2	MG/KG	36	
GS-01A-00-01	SW6020	IRON	19000		11	20	MG/KG	19000	
GS-01A-00-01	SW6020	LEAD	110		0.065	0.2	MG/KG	110	
GS-01A-00-01	SW6020	MAGNESIUM	4000		3.2	9.8	MG/KG	4000	
GS-01A-00-01	SW6020	MANGANESE	580		0.37	0.74	MG/KG	580	
GS-01A-00-01	SW6020	NICKEL	18		0.43	2	MG/KG	18	
GS-01A-00-01	SW6020	POTASSIUM	3200		15	98	MG/KG	3200	
GS-01A-00-01	SW6020	SELENIUM	2.3		0.2	0.98	MG/KG	2.3	
GS-01A-00-01	SW6020	SILVER	0.78		0.0081	0.049	MG/KG	0.78	
GS-01A-00-01	SW6020	SODIUM	150		15	98	MG/KG	150	J+
GS-01A-00-01	SW6020	THALLIUM	0.28		0.0025	0.0098	MG/KG	0.28	
GS-01A-00-01	SW6020	VANADIUM	27		0.13	0.49	MG/KG	27	
GS-01A-00-01	SW6020	ZINC	320		4	9.8	MG/KG	320	
GS-01A-01-06	SW6020	ALUMINUM	6800		6.5	15	MG/KG	6800	
GS-01A-01-06	SW6020	ANTIMONY	0.62		0.018	0.1	MG/KG	0.62	
GS-01A-01-06	SW6020	ARSENIC	24		0.049	0.2	MG/KG	24	
GS-01A-01-06	SW6020	BARIUM	150		0.23	0.5	MG/KG	150	
GS-01A-01-06	SW6020	BERYLLIUM	1		0.005	0.05	MG/KG	1	
GS-01A-01-06	SW6020	CADMIUM	1.1		0.022	0.2	MG/KG	1.1	
GS-01A-01-06	SW6020	CALCIUM	11000		17	100	MG/KG	11000	
GS-01A-01-06	SW6020	CHROMIUM	23		0.55	1	MG/KG	23	
GS-01A-01-06	SW6020	COBALT	5.6		0.032	0.5	MG/KG	5.6	
GS-01A-01-06	SW6020	COPPER	33		0.29	2	MG/KG	33	
GS-01A-01-06	SW6020	IRON	18000		11	20	MG/KG	18000	
GS-01A-01-06	SW6020	LEAD	97		0.066	0.2	MG/KG	97	
GS-01A-01-06	SW6020	MAGNESIUM	3900		3.3	10	MG/KG	3900	
GS-01A-01-06	SW6020	MANGANESE	540		0.38	0.75	MG/KG	540	
GS-01A-01-06	SW6020	NICKEL	18		0.44	2	MG/KG	18	
GS-01A-01-06	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-01A-01-06	SW6020	SELENIUM	2.2		0.2	1	MG/KG	2.2	
GS-01A-01-06	SW6020	SILVER	0.65		0.0083	0.05	MG/KG	0.65	
GS-01A-01-06	SW6020	SODIUM	130		15	100	MG/KG	130	J+
GS-01A-01-06	SW6020	THALLIUM	0.26		0.0025	0.01	MG/KG	0.26	
GS-01A-01-06	SW6020	VANADIUM	25		0.13	0.5	MG/KG	25	
GS-01A-01-06	SW6020	ZINC	230		4.1	10	MG/KG	230	
GS-01B-00-01	SW6020	ALUMINUM	8000		6.7	15	MG/KG	8000	
GS-01B-00-01	SW6020	ANTIMONY	1		0.019	0.1	MG/KG	1	
GS-01B-00-01	SW6020	ARSENIC	46		0.05	0.21	MG/KG	46	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-01B-00-01	SW6020	BARIUM	210		0.24	0.51	MG/KG	210	
GS-01B-00-01	SW6020	BERYLLIUM	0.7		0.0051	0.051	MG/KG	0.7	
GS-01B-00-01	SW6020	CADMIUM	1.7		0.023	0.21	MG/KG	1.7	
GS-01B-00-01	SW6020	CALCIUM	15000		17	100	MG/KG	15000	
GS-01B-00-01	SW6020	CHROMIUM	14		0.57	1	MG/KG	14	
GS-01B-00-01	SW6020	COBALT	6.7		0.033	0.51	MG/KG	6.7	
GS-01B-00-01	SW6020	COPPER	47		0.3	2.1	MG/KG	47	
GS-01B-00-01	SW6020	IRON	25000		11	21	MG/KG	25000	
GS-01B-00-01	SW6020	LEAD	230		0.068	0.21	MG/KG	230	
GS-01B-00-01	SW6020	MAGNESIUM	3000		3.4	10	MG/KG	3000	
GS-01B-00-01	SW6020	MANGANESE	560		0.39	0.77	MG/KG	560	
GS-01B-00-01	SW6020	NICKEL	23		0.45	2.1	MG/KG	23	
GS-01B-00-01	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-01B-00-01	SW6020	SELENIUM	2.5		0.21	1	MG/KG	2.5	
GS-01B-00-01	SW6020	SILVER	1.5		0.0085	0.051	MG/KG	1.5	
GS-01B-00-01	SW6020	SODIUM	410		15	100	MG/KG	410	
GS-01B-00-01	SW6020	THALLIUM	0.3		0.0026	0.01	MG/KG	0.3	
GS-01B-00-01	SW6020	VANADIUM	34		0.13	0.51	MG/KG	34	
GS-01B-00-01	SW6020	ZINC	390		4.2	10	MG/KG	390	
GS-01B-01-06	SW6020	ALUMINUM	9100		7	16	MG/KG	9100	
GS-01B-01-06	SW6020	ANTIMONY	0.51		0.019	0.11	MG/KG	0.51	
GS-01B-01-06	SW6020	ARSENIC	25		0.053	0.22	MG/KG	25	
GS-01B-01-06	SW6020	BARIUM	230		0.25	0.54	MG/KG	230	
GS-01B-01-06	SW6020	BERYLLIUM	0.84		0.0054	0.054	MG/KG	0.84	
GS-01B-01-06	SW6020	CADMIUM	1.1		0.024	0.22	MG/KG	1.1	
GS-01B-01-06	SW6020	CALCIUM	11000		18	110	MG/KG	11000	
GS-01B-01-06	SW6020	CHROMIUM	11		0.59	1.1	MG/KG	11	
GS-01B-01-06	SW6020	COBALT	7.5		0.034	0.54	MG/KG	7.5	
GS-01B-01-06	SW6020	COPPER	33		0.31	2.2	MG/KG	33	
GS-01B-01-06	SW6020	IRON	25000		12	22	MG/KG	25000	
GS-01B-01-06	SW6020	LEAD	110		0.071	0.22	MG/KG	110	
GS-01B-01-06	SW6020	MAGNESIUM	3100		3.5	11	MG/KG	3100	
GS-01B-01-06	SW6020	MANGANESE	610		0.41	0.81	MG/KG	610	
GS-01B-01-06	SW6020	NICKEL	46		0.47	2.2	MG/KG	46	
GS-01B-01-06	SW6020	POTASSIUM	2500		16	110	MG/KG	2500	
GS-01B-01-06	SW6020	SELENIUM	3.1		0.22	1.1	MG/KG	3.1	
GS-01B-01-06	SW6020	SILVER	0.65		0.0089	0.054	MG/KG	0.65	
GS-01B-01-06	SW6020	SODIUM	280		16	110	MG/KG	280	
GS-01B-01-06	SW6020	THALLIUM	0.26		0.0027	0.011	MG/KG	0.26	
GS-01B-01-06	SW6020	VANADIUM	31		0.14	0.54	MG/KG	31	
GS-01B-01-06	SW6020	ZINC	230		4.4	11	MG/KG	230	
GS-01E-00-01	SW6020	ALUMINUM	6500		6.4	15	MG/KG	6500	
GS-01E-00-01	SW6020	ANTIMONY	1.2		0.018	0.099	MG/KG	1.2	
GS-01E-00-01	SW6020	ARSENIC	54		0.048	0.2	MG/KG	54	
GS-01E-00-01	SW6020	BARIUM	180		0.23	0.49	MG/KG	180	
GS-01E-00-01	SW6020	BERYLLIUM	0.88		0.0049	0.049	MG/KG	0.88	
GS-01E-00-01	SW6020	CADMIUM	1.9		0.022	0.2	MG/KG	1.9	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-01E-00-01	SW6020	CALCIUM	15000		17	99	MG/KG	15000	
GS-01E-00-01	SW6020	CHROMIUM	16		0.54	0.99	MG/KG	16	
GS-01E-00-01	SW6020	COBALT	6.3		0.032	0.49	MG/KG	6.3	
GS-01E-00-01	SW6020	COPPER	63		0.29	2	MG/KG	63	
GS-01E-00-01	SW6020	IRON	26000		11	20	MG/KG	26000	
GS-01E-00-01	SW6020	LEAD	180		0.065	0.2	MG/KG	180	
GS-01E-00-01	SW6020	MAGNESIUM	4400		3.3	9.9	MG/KG	4400	
GS-01E-00-01	SW6020	MANGANESE	850		0.38	0.74	MG/KG	850	
GS-01E-00-01	SW6020	NICKEL	14		0.44	2	MG/KG	14	
GS-01E-00-01	SW6020	POTASSIUM	2900		15	99	MG/KG	2900	
GS-01E-00-01	SW6020	SELENIUM	2.7		0.2	0.99	MG/KG	2.7	
GS-01E-00-01	SW6020	SILVER	1.3		0.0082	0.049	MG/KG	1.3	
GS-01E-00-01	SW6020	SODIUM	170		15	99	MG/KG	170	J+
GS-01E-00-01	SW6020	THALLIUM	0.31		0.0025	0.0099	MG/KG	0.31	
GS-01E-00-01	SW6020	VANADIUM	35		0.13	0.49	MG/KG	35	
GS-01E-00-01	SW6020	ZINC	460		4.1	9.9	MG/KG	460	
GS-01E-00-06	SW7471	MERCURY	0.11		0.0046	0.037	MG/KG	0.11	J-
GS-01E-01-06	SW6020	ALUMINUM	7100		6.5	15	MG/KG	7100	
GS-01E-01-06	SW6020	ANTIMONY	0.99		0.018	0.1	MG/KG	0.99	
GS-01E-01-06	SW6020	ARSENIC	45		0.049	0.2	MG/KG	45	
GS-01E-01-06	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-01E-01-06	SW6020	BERYLLIUM	1		0.005	0.05	MG/KG	1	
GS-01E-01-06	SW6020	CADMIUM	2		0.022	0.2	MG/KG	2	
GS-01E-01-06	SW6020	CALCIUM	18000		17	100	MG/KG	18000	
GS-01E-01-06	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-01E-01-06	SW6020	COBALT	6.7		0.032	0.5	MG/KG	6.7	
GS-01E-01-06	SW6020	COPPER	40		0.29	2	MG/KG	40	
GS-01E-01-06	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-01E-01-06	SW6020	LEAD	180		0.066	0.2	MG/KG	180	
GS-01E-01-06	SW6020	MAGNESIUM	6000		3.3	10	MG/KG	6000	
GS-01E-01-06	SW6020	MANGANESE	900		0.38	0.75	MG/KG	900	
GS-01E-01-06	SW6020	NICKEL	23		0.44	2	MG/KG	23	
GS-01E-01-06	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-01E-01-06	SW6020	SELENIUM	2.9		0.2	1	MG/KG	2.9	
GS-01E-01-06	SW6020	SILVER	1.2		0.0083	0.05	MG/KG	1.2	
GS-01E-01-06	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-01E-01-06	SW6020	THALLIUM	0.33		0.0025	0.01	MG/KG	0.33	
GS-01E-01-06	SW6020	VANADIUM	30		0.13	0.5	MG/KG	30	
GS-01E-01-06	SW6020	ZINC	390		4.1	10	MG/KG	390	
GS-02A-00-01	SW6020	ALUMINUM	7300		6.4	15	MG/KG	7300	
GS-02A-00-01	SW6020	ANTIMONY	0.56		0.018	0.099	MG/KG	0.56	
GS-02A-00-01	SW6020	ARSENIC	24		0.048	0.2	MG/KG	24	
GS-02A-00-01	SW6020	BARIUM	170		0.23	0.49	MG/KG	170	
GS-02A-00-01	SW6020	BERYLLIUM	0.83		0.0049	0.049	MG/KG	0.83	
GS-02A-00-01	SW6020	CADMIUM	1.2		0.022	0.2	MG/KG	1.2	
GS-02A-00-01	SW6020	CALCIUM	11000		17	99	MG/KG	11000	
GS-02A-00-01	SW6020	CHROMIUM	13		0.54	0.99	MG/KG	13	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-02A-00-01	SW6020	COBALT	5.7		0.032	0.49	MG/KG	5.7	
GS-02A-00-01	SW6020	COPPER	28		0.29	2	MG/KG	28	
GS-02A-00-01	SW6020	IRON	18000		11	20	MG/KG	18000	
GS-02A-00-01	SW6020	LEAD	91		0.065	0.2	MG/KG	91	
GS-02A-00-01	SW6020	MAGNESIUM	3300		3.3	9.9	MG/KG	3300	
GS-02A-00-01	SW6020	MANGANESE	630		0.38	0.74	MG/KG	630	
GS-02A-00-01	SW6020	NICKEL	13		0.44	2	MG/KG	13	
GS-02A-00-01	SW6020	POTASSIUM	3000		15	99	MG/KG	3000	
GS-02A-00-01	SW6020	SELENIUM	2.1		0.2	0.99	MG/KG	2.1	
GS-02A-00-01	SW6020	SILVER	0.59		0.0082	0.049	MG/KG	0.59	
GS-02A-00-01	SW6020	SODIUM	120		15	99	MG/KG	120	J+
GS-02A-00-01	SW6020	THALLIUM	0.25		0.0025	0.0099	MG/KG	0.25	
GS-02A-00-01	SW6020	VANADIUM	25		0.13	0.49	MG/KG	25	
GS-02A-00-01	SW6020	ZINC	310		4.1	9.9	MG/KG	310	
GS-02A-01-06	SW6020	ALUMINUM	7900		6.5	15	MG/KG	7900	
GS-02A-01-06	SW6020	ANTIMONY	0.55		0.018	0.1	MG/KG	0.55	
GS-02A-01-06	SW6020	ARSENIC	26		0.049	0.2	MG/KG	26	
GS-02A-01-06	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-02A-01-06	SW6020	BERYLLIUM	1.1		0.009	0.05	MG/KG	1.1	
GS-02A-01-06	SW6020	CADMIUM	1.4		0.022	0.2	MG/KG	1.4	
GS-02A-01-06	SW6020	CALCIUM	11000		17	100	MG/KG	11000	
GS-02A-01-06	SW6020	CHROMIUM	16		0.55	1	MG/KG	16	
GS-02A-01-06	SW6020	COBALT	6.6		0.032	0.5	MG/KG	6.6	
GS-02A-01-06	SW6020	COPPER	30		0.29	2	MG/KG	30	
GS-02A-01-06	SW6020	IRON	20000		11	20	MG/KG	20000	
GS-02A-01-06	SW6020	LEAD	110		0.066	0.2	MG/KG	110	
GS-02A-01-06	SW6020	MAGNESIUM	3900		3.3	10	MG/KG	3900	
GS-02A-01-06	SW6020	MANGANESE	690		0.38	0.75	MG/KG	690	
GS-02A-01-06	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-02A-01-06	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-02A-01-06	SW6020	SELENIUM	2.4		0.2	1	MG/KG	2.4	
GS-02A-01-06	SW6020	SILVER	0.58		0.0083	0.05	MG/KG	0.58	
GS-02A-01-06	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-02A-01-06	SW6020	THALLIUM	0.28		0.0025	0.01	MG/KG	0.28	
GS-02A-01-06	SW6020	VANADIUM	26		0.13	0.5	MG/KG	26	
GS-02A-01-06	SW6020	ZINC	320		4.1	10	MG/KG	320	
GS-02B-00-01	SW6020	ALUMINUM	8000		6.5	15	MG/KG	8000	
GS-02B-00-01	SW6020	ANTIMONY	0.76		0.018	0.1	MG/KG	0.76	
GS-02B-00-01	SW6020	ARSENIC	43		0.049	0.2	MG/KG	43	
GS-02B-00-01	SW6020	BARIUM	150		0.23	0.5	MG/KG	150	
GS-02B-00-01	SW6020	BERYLLIUM	0.76		0.009	0.05	MG/KG	0.76	
GS-02B-00-01	SW6020	CADMIUM	1.5		0.022	0.2	MG/KG	1.5	
GS-02B-00-01	SW6020	CALCIUM	22000		17	100	MG/KG	22000	
GS-02B-00-01	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-02B-00-01	SW6020	COBALT	12		0.032	0.5	MG/KG	12	
GS-02B-00-01	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-02B-00-01	SW6020	IRON	31000		11	20	MG/KG	31000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-02B-00-01	SW6020	LEAD	130		0.066	0.2	MG/KG	130	
GS-02B-00-01	SW6020	MAGNESIUM	4400		3.3	10	MG/KG	4400	
GS-02B-00-01	SW6020	MANGANESE	840		0.38	0.75	MG/KG	840	
GS-02B-00-01	SW6020	NICKEL	29		0.44	2	MG/KG	29	
GS-02B-00-01	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-02B-00-01	SW6020	SELENIUM	3.6		0.2	1	MG/KG	3.6	
GS-02B-00-01	SW6020	SILVER	0.87		0.0083	0.05	MG/KG	0.87	
GS-02B-00-01	SW6020	SODIUM	190		15	100	MG/KG	190	J+
GS-02B-00-01	SW6020	THALLIUM	0.39		0.0025	0.01	MG/KG	0.39	
GS-02B-00-01	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-02B-00-01	SW6020	ZINC	270		4.1	10	MG/KG	270	
GS-02B-01-06	SW6020	ALUMINUM	7400		6.6	15	MG/KG	7400	
GS-02B-01-06	SW6020	ANTIMONY	0.67		0.018	0.1	MG/KG	0.67	
GS-02B-01-06	SW6020	ARSENIC	37		0.05	0.2	MG/KG	37	
GS-02B-01-06	SW6020	BARIUM	110		0.23	0.51	MG/KG	110	
GS-02B-01-06	SW6020	BERYLLIUM	0.83		0.0092	0.051	MG/KG	0.83	
GS-02B-01-06	SW6020	CADMIUM	1.2		0.022	0.2	MG/KG	1.2	
GS-02B-01-06	SW6020	CALCIUM	23000		17	100	MG/KG	23000	
GS-02B-01-06	SW6020	CHROMIUM	11		0.56	1	MG/KG	11	
GS-02B-01-06	SW6020	COBALT	12		0.033	0.51	MG/KG	12	
GS-02B-01-06	SW6020	COPPER	37		0.3	2	MG/KG	37	
GS-02B-01-06	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-02B-01-06	SW6020	LEAD	110		0.067	0.2	MG/KG	110	
GS-02B-01-06	SW6020	MAGNESIUM	4000		3.4	10	MG/KG	4000	
GS-02B-01-06	SW6020	MANGANESE	740		0.39	0.76	MG/KG	740	
GS-02B-01-06	SW6020	NICKEL	28		0.45	2	MG/KG	28	
GS-02B-01-06	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-02B-01-06	SW6020	SELENIUM	3.8		0.2	1	MG/KG	3.8	
GS-02B-01-06	SW6020	SILVER	0.75		0.0084	0.051	MG/KG	0.75	
GS-02B-01-06	SW6020	SODIUM	200		15	100	MG/KG	200	J+
GS-02B-01-06	SW6020	THALLIUM	0.32		0.0025	0.01	MG/KG	0.32	
GS-02B-01-06	SW6020	VANADIUM	31		0.13	0.51	MG/KG	31	
GS-02B-01-06	SW6020	ZINC	220		4.2	10	MG/KG	220	
GS-02E-00-01	SW6020	ALUMINUM	7700		6.5	15	MG/KG	7700	
GS-02E-00-01	SW6020	ANTIMONY	1.2		0.018	0.1	MG/KG	1.2	
GS-02E-00-01	SW6020	ARSENIC	47		0.049	0.2	MG/KG	47	
GS-02E-00-01	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-02E-00-01	SW6020	BERYLLIUM	0.94		0.009	0.05	MG/KG	0.94	
GS-02E-00-01	SW6020	CADMIUM	2.1		0.022	0.2	MG/KG	2.1	
GS-02E-00-01	SW6020	CALCIUM	12000		17	100	MG/KG	12000	
GS-02E-00-01	SW6020	CHROMIUM	14		0.55	1	MG/KG	14	
GS-02E-00-01	SW6020	COBALT	8		0.032	0.5	MG/KG	8	
GS-02E-00-01	SW6020	COPPER	46		0.29	2	MG/KG	46	
GS-02E-00-01	SW6020	IRON	26000		11	20	MG/KG	26000	
GS-02E-00-01	SW6020	LEAD	170		0.066	0.2	MG/KG	170	
GS-02E-00-01	SW6020	MAGNESIUM	3300		3.3	10	MG/KG	3300	
GS-02E-00-01	SW6020	MANGANESE	790		0.38	0.75	MG/KG	790	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-02E-00-01	SW6020	NICKEL	19		0.44	2	MG/KG	19	
GS-02E-00-01	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-02E-00-01	SW6020	SELENIUM	2.7		0.2	1	MG/KG	2.7	
GS-02E-00-01	SW6020	SILVER	1.1		0.0083	0.05	MG/KG	1.1	
GS-02E-00-01	SW6020	SODIUM	130		15	100	MG/KG	130	J+
GS-02E-00-01	SW6020	THALLIUM	0.34		0.0025	0.01	MG/KG	0.34	
GS-02E-00-01	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	
GS-02E-00-01	SW6020	ZINC	470		4.1	10	MG/KG	470	
GS-02E-01-06	SW6020	ALUMINUM	7500		6.5	15	MG/KG	7500	
GS-02E-01-06	SW6020	ANTIMONY	1.8		0.018	0.099	MG/KG	1.8	
GS-02E-01-06	SW6020	ARSENIC	79		0.049	0.2	MG/KG	79	
GS-02E-01-06	SW6020	BARIUM	160		0.23	0.5	MG/KG	160	
GS-02E-01-06	SW6020	BERYLLIUM	0.97		0.0089	0.05	MG/KG	0.97	
GS-02E-01-06	SW6020	CADMIUM	2.7		0.022	0.2	MG/KG	2.7	
GS-02E-01-06	SW6020	CALCIUM	16000		17	99	MG/KG	16000	
GS-02E-01-06	SW6020	CHROMIUM	13		0.55	0.99	MG/KG	13	
GS-02E-01-06	SW6020	COBALT	8.6		0.032	0.5	MG/KG	8.6	
GS-02E-01-06	SW6020	COPPER	46		0.29	2	MG/KG	46	
GS-02E-01-06	SW6020	IRON	33000		11	20	MG/KG	33000	
GS-02E-01-06	SW6020	LEAD	280		0.066	0.2	MG/KG	280	
GS-02E-01-06	SW6020	MAGNESIUM	2900		3.3	9.9	MG/KG	2900	
GS-02E-01-06	SW6020	MANGANESE	1100		0.38	0.74	MG/KG	1100	
GS-02E-01-06	SW6020	NICKEL	22		0.44	2	MG/KG	22	
GS-02E-01-06	SW6020	POTASSIUM	2700		15	99	MG/KG	2700	
GS-02E-01-06	SW6020	SELENIUM	2.9		0.2	0.99	MG/KG	2.9	
GS-02E-01-06	SW6020	SILVER	1.9		0.0082	0.05	MG/KG	1.9	
GS-02E-01-06	SW6020	SODIUM	130		15	99	MG/KG	130	J+
GS-02E-01-06	SW6020	THALLIUM	0.41		0.0025	0.0099	MG/KG	0.41	
GS-02E-01-06	SW6020	VANADIUM	41		0.13	0.5	MG/KG	41	
GS-02E-01-06	SW6020	ZINC	480		4.1	9.9	MG/KG	480	
GS-03A-00-01	SW6020	ALUMINUM	7800		6.6	15	MG/KG	7800	
GS-03A-00-01	SW6020	ANTIMONY	0.9		0.018	0.1	MG/KG	0.9	
GS-03A-00-01	SW6020	ARSENIC	35		0.049	0.2	MG/KG	35	
GS-03A-00-01	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-03A-00-01	SW6020	BERYLLIUM	0.86		0.0091	0.05	MG/KG	0.86	
GS-03A-00-01	SW6020	CADMIUM	1.4		0.022	0.2	MG/KG	1.4	
GS-03A-00-01	SW6020	CALCIUM	11000		17	100	MG/KG	11000	
GS-03A-00-01	SW6020	CHROMIUM	15		0.55	1	MG/KG	15	
GS-03A-00-01	SW6020	COBALT	7.5		0.032	0.5	MG/KG	7.5	
GS-03A-00-01	SW6020	COPPER	34		0.29	2	MG/KG	34	
GS-03A-00-01	SW6020	IRON	21000		11	20	MG/KG	21000	
GS-03A-00-01	SW6020	LEAD	120		0.067	0.2	MG/KG	120	
GS-03A-00-01	SW6020	MAGNESIUM	3500		3.3	10	MG/KG	3500	
GS-03A-00-01	SW6020	MANGANESE	690		0.38	0.76	MG/KG	690	
GS-03A-00-01	SW6020	NICKEL	25		0.44	2	MG/KG	25	
GS-03A-00-01	SW6020	POTASSIUM	3100		15	100	MG/KG	3100	
GS-03A-00-01	SW6020	SELENIUM	2.2		0.2	1	MG/KG	2.2	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-03A-00-01	SW6020	SILVER	0.83		0.0084	0.05	MG/KG	0.83	
GS-03A-00-01	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-03A-00-01	SW6020	THALLIUM	0.31		0.0025	0.01	MG/KG	0.31	
GS-03A-00-01	SW6020	VANADIUM	30		0.13	0.5	MG/KG	30	
GS-03A-00-01	SW6020	ZINC	420		4.1	10	MG/KG	420	
GS-03A-01-06	SW6020	ALUMINUM	8900		6.6	15	MG/KG	8900	
GS-03A-01-06	SW6020	ANTIMONY	0.95		0.018	0.1	MG/KG	0.95	
GS-03A-01-06	SW6020	ARSENIC	41		0.05	0.2	MG/KG	41	
GS-03A-01-06	SW6020	BARIUM	240		0.23	0.51	MG/KG	240	
GS-03A-01-06	SW6020	BERYLLIUM	0.98		0.0091	0.051	MG/KG	0.98	
GS-03A-01-06	SW6020	CADMIUM	1.3		0.022	0.2	MG/KG	1.3	
GS-03A-01-06	SW6020	CALCIUM	11000		17	100	MG/KG	11000	
GS-03A-01-06	SW6020	CHROMIUM	23		0.56	1	MG/KG	23	
GS-03A-01-06	SW6020	COBALT	9.2		0.032	0.51	MG/KG	9.2	
GS-03A-01-06	SW6020	COPPER	40		0.29	2	MG/KG	40	
GS-03A-01-06	SW6020	IRON	26000		11	20	MG/KG	26000	
GS-03A-01-06	SW6020	LEAD	120		0.067	0.2	MG/KG	120	
GS-03A-01-06	SW6020	MAGNESIUM	4200		3.3	10	MG/KG	4200	
GS-03A-01-06	SW6020	MANGANESE	790		0.39	0.76	MG/KG	790	
GS-03A-01-06	SW6020	NICKEL	140		0.45	2	MG/KG	140	
GS-03A-01-06	SW6020	POTASSIUM	2500		15	100	MG/KG	2500	
GS-03A-01-06	SW6020	SELENIUM	2.7		0.2	1	MG/KG	2.7	
GS-03A-01-06	SW6020	SILVER	1		0.0084	0.051	MG/KG	1	
GS-03A-01-06	SW6020	SODIUM	150		15	100	MG/KG	150	J+
GS-03A-01-06	SW6020	THALLIUM	0.33		0.0025	0.01	MG/KG	0.33	
GS-03A-01-06	SW6020	VANADIUM	34		0.13	0.51	MG/KG	34	
GS-03A-01-06	SW6020	ZINC	260		4.2	10	MG/KG	260	
GS-03B-00-01	SW6020	ALUMINUM	7600		6.5	15	MG/KG	7600	
GS-03B-00-01	SW6020	ANTIMONY	0.91		0.018	0.1	MG/KG	0.91	
GS-03B-00-01	SW6020	ARSENIC	44		0.049	0.2	MG/KG	44	
GS-03B-00-01	SW6020	BARIUM	220		0.23	0.5	MG/KG	220	
GS-03B-00-01	SW6020	BERYLLIUM	0.75		0.009	0.05	MG/KG	0.75	
GS-03B-00-01	SW6020	CADMIUM	2.2		0.022	0.2	MG/KG	2.2	
GS-03B-00-01	SW6020	CALCIUM	12000		17	100	MG/KG	12000	
GS-03B-00-01	SW6020	CHROMIUM	14		0.55	1	MG/KG	14	
GS-03B-00-01	SW6020	COBALT	8.7		0.032	0.5	MG/KG	8.7	
GS-03B-00-01	SW6020	COPPER	60		0.29	2	MG/KG	60	
GS-03B-00-01	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-03B-00-01	SW6020	LEAD	160		0.066	0.2	MG/KG	160	
GS-03B-00-01	SW6020	MAGNESIUM	2700		3.3	10	MG/KG	2700	
GS-03B-00-01	SW6020	MANGANESE	830		0.38	0.75	MG/KG	830	
GS-03B-00-01	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-03B-00-01	SW6020	POTASSIUM	2200		15	100	MG/KG	2200	
GS-03B-00-01	SW6020	SELENIUM	3.1		0.2	1	MG/KG	3.1	
GS-03B-00-01	SW6020	SILVER	3.5		0.0083	0.05	MG/KG	3.5	
GS-03B-00-01	SW6020	SODIUM	130		15	100	MG/KG	130	J+
GS-03B-00-01	SW6020	THALLIUM	0.32		0.0025	0.01	MG/KG	0.32	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-03B-00-01	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-03B-00-01	SW6020	ZINC	360		4.1	10	MG/KG	360	
GS-03B-01-06	SW6020	ALUMINUM	8400		6.8	16	MG/KG	8400	
GS-03B-01-06	SW6020	ANTIMONY	1.1		0.019	0.1	MG/KG	1.1	
GS-03B-01-06	SW6020	ARSENIC	56		0.051	0.21	MG/KG	56	
GS-03B-01-06	SW6020	BARIUM	210		0.24	0.52	MG/KG	210	
GS-03B-01-06	SW6020	BERYLLIUM	0.84		0.0094	0.052	MG/KG	0.84	
GS-03B-01-06	SW6020	CADMIUM	3.1		0.023	0.21	MG/KG	3.1	
GS-03B-01-06	SW6020	CALCIUM	13000		18	100	MG/KG	13000	
GS-03B-01-06	SW6020	CHROMIUM	13		0.57	1	MG/KG	13	
GS-03B-01-06	SW6020	COBALT	10		0.033	0.52	MG/KG	10	
GS-03B-01-06	SW6020	COPPER	55		0.3	2.1	MG/KG	55	
GS-03B-01-06	SW6020	IRON	34000		11	21	MG/KG	34000	
GS-03B-01-06	SW6020	LEAD	240		0.069	0.21	MG/KG	240	
GS-03B-01-06	SW6020	MAGNESIUM	3000		3.4	10	MG/KG	3000	
GS-03B-01-06	SW6020	MANGANESE	1100		0.4	0.78	MG/KG	1100	
GS-03B-01-06	SW6020	NICKEL	24		0.46	2.1	MG/KG	24	
GS-03B-01-06	SW6020	POTASSIUM	2400		16	100	MG/KG	2400	
GS-03B-01-06	SW6020	SELENIUM	3.5		0.21	1	MG/KG	3.5	
GS-03B-01-06	SW6020	SILVER	2.6		0.0086	0.052	MG/KG	2.6	
GS-03B-01-06	SW6020	SODIUM	150		16	100	MG/KG	150	J+
GS-03B-01-06	SW6020	THALLIUM	0.41		0.0026	0.01	MG/KG	0.41	
GS-03B-01-06	SW6020	VANADIUM	37		0.14	0.52	MG/KG	37	
GS-03B-01-06	SW6020	ZINC	600		4.3	10	MG/KG	600	
GS-03E-00-01	SW6020	ALUMINUM	8000		6.4	15	MG/KG	8000	
GS-03E-00-01	SW6020	ANTIMONY	1.2		0.018	0.098	MG/KG	1.2	
GS-03E-00-01	SW6020	ARSENIC	44		0.048	0.2	MG/KG	44	
GS-03E-00-01	SW6020	BARIUM	200		0.23	0.49	MG/KG	200	
GS-03E-00-01	SW6020	BERYLLIUM	1		0.0089	0.049	MG/KG	1	
GS-03E-00-01	SW6020	CADMIUM	2.1		0.022	0.2	MG/KG	2.1	
GS-03E-00-01	SW6020	CALCIUM	10000		17	98	MG/KG	10000	
GS-03E-00-01	SW6020	CHROMIUM	21		0.54	0.98	MG/KG	21	
GS-03E-00-01	SW6020	COBALT	7.2		0.031	0.49	MG/KG	7.2	
GS-03E-00-01	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-03E-00-01	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-03E-00-01	SW6020	LEAD	160		0.065	0.2	MG/KG	160	
GS-03E-00-01	SW6020	MAGNESIUM	3300		3.2	9.8	MG/KG	3300	
GS-03E-00-01	SW6020	MANGANESE	720		0.37	0.74	MG/KG	720	
GS-03E-00-01	SW6020	NICKEL	16		0.43	2	MG/KG	16	
GS-03E-00-01	SW6020	POTASSIUM	3500		15	98	MG/KG	3500	
GS-03E-00-01	SW6020	SELENIUM	2.6		0.2	0.98	MG/KG	2.6	
GS-03E-00-01	SW6020	SILVER	1.3		0.0082	0.049	MG/KG	1.3	
GS-03E-00-01	SW6020	SODIUM	150		15	98	MG/KG	150	J+
GS-03E-00-01	SW6020	THALLIUM	0.32		0.0025	0.0098	MG/KG	0.32	
GS-03E-00-01	SW6020	VANADIUM	35		0.13	0.49	MG/KG	35	
GS-03E-00-01	SW6020	ZINC	450		4	9.8	MG/KG	450	
GS-03E-00-01-DUP	SW6020	ALUMINUM	7700		6.6	15	MG/KG	7700	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-03E-00-01-DUP	SW6020	ANTIMONY	1.1		0.018	0.1	MG/KG	1.1	
GS-03E-00-01-DUP	SW6020	ARSENIC	39		0.05	0.2	MG/KG	39	
GS-03E-00-01-DUP	SW6020	BARIUM	210		0.23	0.51	MG/KG	210	
GS-03E-00-01-DUP	SW6020	BERYLLIUM	0.99		0.0091	0.051	MG/KG	0.99	
GS-03E-00-01-DUP	SW6020	CADMIUM	2.2		0.022	0.2	MG/KG	2.2	
GS-03E-00-01-DUP	SW6020	CALCIUM	10000		17	100	MG/KG	10000	
GS-03E-00-01-DUP	SW6020	CHROMIUM	22		0.56	1	MG/KG	22	
GS-03E-00-01-DUP	SW6020	COBALT	6.9		0.032	0.51	MG/KG	6.9	
GS-03E-00-01-DUP	SW6020	COPPER	40		0.29	2	MG/KG	40	
GS-03E-00-01-DUP	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-03E-00-01-DUP	SW6020	LEAD	170		0.067	0.2	MG/KG	170	
GS-03E-00-01-DUP	SW6020	MAGNESIUM	3100		3.3	10	MG/KG	3100	
GS-03E-00-01-DUP	SW6020	MANGANESE	670		0.38	0.76	MG/KG	670	
GS-03E-00-01-DUP	SW6020	NICKEL	17		0.45	2	MG/KG	17	
GS-03E-00-01-DUP	SW6020	POTASSIUM	3800		15	100	MG/KG	3800	
GS-03E-00-01-DUP	SW6020	SELENIUM	2.6		0.2	1	MG/KG	2.6	
GS-03E-00-01-DUP	SW6020	SILVER	1.5		0.0084	0.051	MG/KG	1.5	
GS-03E-00-01-DUP	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-03E-00-01-DUP	SW6020	THALLIUM	0.32		0.0025	0.01	MG/KG	0.32	
GS-03E-00-01-DUP	SW6020	VANADIUM	33		0.13	0.51	MG/KG	33	
GS-03E-00-01-DUP	SW6020	ZINC	420		4.1	10	MG/KG	420	
GS-03E-00-01-TRI	SW6020	ALUMINUM	7500		6.5	15	MG/KG	7500	
GS-03E-00-01-TRI	SW6020	ANTIMONY	1.3		0.018	0.1	MG/KG	1.3	
GS-03E-00-01-TRI	SW6020	ARSENIC	42		0.049	0.2	MG/KG	42	
GS-03E-00-01-TRI	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-03E-00-01-TRI	SW6020	BERYLLIUM	1		0.009	0.05	MG/KG	1	
GS-03E-00-01-TRI	SW6020	CADMIUM	2.3		0.022	0.2	MG/KG	2.3	
GS-03E-00-01-TRI	SW6020	CALCIUM	12000		17	100	MG/KG	12000	
GS-03E-00-01-TRI	SW6020	CHROMIUM	21		0.55	1	MG/KG	21	
GS-03E-00-01-TRI	SW6020	COBALT	7		0.032	0.5	MG/KG	7	
GS-03E-00-01-TRI	SW6020	COPPER	39		0.29	2	MG/KG	39	
GS-03E-00-01-TRI	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-03E-00-01-TRI	SW6020	LEAD	180		0.066	0.2	MG/KG	180	
GS-03E-00-01-TRI	SW6020	MAGNESIUM	3400		3.3	10	MG/KG	3400	
GS-03E-00-01-TRI	SW6020	MANGANESE	660		0.38	0.75	MG/KG	660	
GS-03E-00-01-TRI	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-03E-00-01-TRI	SW6020	POTASSIUM	3900		15	100	MG/KG	3900	
GS-03E-00-01-TRI	SW6020	SELENIUM	2.7		0.2	1	MG/KG	2.7	
GS-03E-00-01-TRI	SW6020	SILVER	1.5		0.0083	0.05	MG/KG	1.5	
GS-03E-00-01-TRI	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-03E-00-01-TRI	SW6020	THALLIUM	0.33		0.0025	0.01	MG/KG	0.33	
GS-03E-00-01-TRI	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-03E-00-01-TRI	SW6020	ZINC	470		4.1	10	MG/KG	470	
GS-03E-01-06	SW6020	ALUMINUM	8400		6.5	15	MG/KG	8400	
GS-03E-01-06	SW6020	ANTIMONY	1.3		0.018	0.1	MG/KG	1.3	
GS-03E-01-06	SW6020	ARSENIC	44		0.049	0.2	MG/KG	44	
GS-03E-01-06	SW6020	BARIUM	220		0.23	0.5	MG/KG	220	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-03E-01-06	SW6020	BERYLLIUM	1.2		0.009	0.05	MG/KG	1.2	
GS-03E-01-06	SW6020	CADMIUM	2.7		0.022	0.2	MG/KG	2.7	
GS-03E-01-06	SW6020	CALCIUM	12000		17	100	MG/KG	12000	
GS-03E-01-06	SW6020	CHROMIUM	28		0.55	1	MG/KG	28	
GS-03E-01-06	SW6020	COBALT	6.9		0.032	0.5	MG/KG	6.9	
GS-03E-01-06	SW6020	COPPER	47		0.29	2	MG/KG	47	
GS-03E-01-06	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-03E-01-06	SW6020	LEAD	210		0.066	0.2	MG/KG	210	
GS-03E-01-06	SW6020	MAGNESIUM	4000		3.3	10	MG/KG	4000	
GS-03E-01-06	SW6020	MANGANESE	770		0.38	0.75	MG/KG	770	
GS-03E-01-06	SW6020	NICKEL	26		0.44	2	MG/KG	26	
GS-03E-01-06	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-03E-01-06	SW6020	SELENIUM	2.9		0.2	1	MG/KG	2.9	
GS-03E-01-06	SW6020	SILVER	2.9		0.0083	0.05	MG/KG	2.9	
GS-03E-01-06	SW6020	SODIUM	130		15	100	MG/KG	130	J+
GS-03E-01-06	SW6020	THALLIUM	0.34		0.0025	0.01	MG/KG	0.34	
GS-03E-01-06	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	
GS-03E-01-06	SW6020	ZINC	490		4.1	10	MG/KG	490	
GS-03E-01-06-DUP	SW6020	ALUMINUM	8900		6.6	15	MG/KG	8900	
GS-03E-01-06-DUP	SW6020	ANTIMONY	0.92		0.031	0.1	MG/KG	0.92	
GS-03E-01-06-DUP	SW6020	ARSENIC	43		0.05	0.2	MG/KG	43	
GS-03E-01-06-DUP	SW6020	BARIUM	240		0.23	0.51	MG/KG	240	
GS-03E-01-06-DUP	SW6020	BERYLLIUM	1.2		0.0091	0.051	MG/KG	1.2	
GS-03E-01-06-DUP	SW6020	CADMIUM	2.5		0.038	0.2	MG/KG	2.5	
GS-03E-01-06-DUP	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-03E-01-06-DUP	SW6020	CHROMIUM	23		0.56	1	MG/KG	23	
GS-03E-01-06-DUP	SW6020	COBALT	7.4		0.043	0.51	MG/KG	7.4	
GS-03E-01-06-DUP	SW6020	COPPER	45		0.29	2	MG/KG	45	
GS-03E-01-06-DUP	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-03E-01-06-DUP	SW6020	LEAD	190		0.067	0.2	MG/KG	190	
GS-03E-01-06-DUP	SW6020	MAGNESIUM	3700		3.3	10	MG/KG	3700	
GS-03E-01-06-DUP	SW6020	MANGANESE	760		0.38	0.76	MG/KG	760	
GS-03E-01-06-DUP	SW6020	NICKEL	31		0.44	2	MG/KG	31	
GS-03E-01-06-DUP	SW6020	POTASSIUM	3100		15	100	MG/KG	3100	
GS-03E-01-06-DUP	SW6020	SELENIUM	2.8		0.22	1	MG/KG	2.8	
GS-03E-01-06-DUP	SW6020	SILVER	1.9		0.058	0.12	MG/KG	1.9	
GS-03E-01-06-DUP	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-03E-01-06-DUP	SW6020	THALLIUM	0.32		0.0099	0.01	MG/KG	0.32	
GS-03E-01-06-DUP	SW6020	VANADIUM	40		0.13	0.51	MG/KG	40	
GS-03E-01-06-DUP	SW6020	ZINC	490		4.1	10	MG/KG	490	
GS-03E-01-06-TRI	SW6020	ALUMINUM	8800		6.6	15	MG/KG	8800	
GS-03E-01-06-TRI	SW6020	ANTIMONY	1		0.031	0.1	MG/KG	1	
GS-03E-01-06-TRI	SW6020	ARSENIC	48		0.049	0.2	MG/KG	48	
GS-03E-01-06-TRI	SW6020	BARIUM	330		0.23	0.5	MG/KG	330	
GS-03E-01-06-TRI	SW6020	BERYLLIUM	1.2		0.0091	0.05	MG/KG	1.2	
GS-03E-01-06-TRI	SW6020	CADMIUM	2.9		0.038	0.2	MG/KG	2.9	
GS-03E-01-06-TRI	SW6020	CALCIUM	13000		19	100	MG/KG	13000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-03E-01-06-TRI	SW6020	CHROMIUM	24		0.56	1	MG/KG	24	
GS-03E-01-06-TRI	SW6020	COBALT	8.7		0.043	0.5	MG/KG	8.7	
GS-03E-01-06-TRI	SW6020	COPPER	53		0.29	2	MG/KG	53	
GS-03E-01-06-TRI	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-03E-01-06-TRI	SW6020	LEAD	270		0.067	0.2	MG/KG	270	
GS-03E-01-06-TRI	SW6020	MAGNESIUM	4800		3.3	10	MG/KG	4800	
GS-03E-01-06-TRI	SW6020	MANGANESE	870		0.38	0.76	MG/KG	870	
GS-03E-01-06-TRI	SW6020	NICKEL	27		0.44	2	MG/KG	27	
GS-03E-01-06-TRI	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-03E-01-06-TRI	SW6020	SELENIUM	3.1		0.22	1	MG/KG	3.1	
GS-03E-01-06-TRI	SW6020	SILVER	2.3		0.058	0.12	MG/KG	2.3	
GS-03E-01-06-TRI	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-03E-01-06-TRI	SW6020	THALLIUM	0.36		0.0099	0.01	MG/KG	0.36	
GS-03E-01-06-TRI	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	
GS-03E-01-06-TRI	SW6020	ZINC	570		4.1	10	MG/KG	570	
GS-04A-00-01	SW6020	ALUMINUM	7800		6.4	15	MG/KG	7800	
GS-04A-00-01	SW6020	ANTIMONY	0.57		0.031	0.098	MG/KG	0.57	
GS-04A-00-01	SW6020	ARSENIC	29		0.048	0.2	MG/KG	29	
GS-04A-00-01	SW6020	BARIUM	210		0.23	0.49	MG/KG	210	
GS-04A-00-01	SW6020	BERYLLIUM	0.77		0.0089	0.049	MG/KG	0.77	
GS-04A-00-01	SW6020	CADMIUM	1.3		0.037	0.2	MG/KG	1.3	
GS-04A-00-01	SW6020	CALCIUM	9500		18	98	MG/KG	9500	
GS-04A-00-01	SW6020	CHROMIUM	13		0.54	0.98	MG/KG	13	
GS-04A-00-01	SW6020	COBALT	7.9		0.042	0.49	MG/KG	7.9	
GS-04A-00-01	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-04A-00-01	SW6020	IRON	20000		11	20	MG/KG	20000	
GS-04A-00-01	SW6020	LEAD	100		0.065	0.2	MG/KG	100	
GS-04A-00-01	SW6020	MAGNESIUM	3700		3.3	9.8	MG/KG	3700	
GS-04A-00-01	SW6020	MANGANESE	620		0.37	0.74	MG/KG	620	
GS-04A-00-01	SW6020	NICKEL	17		0.43	2	MG/KG	17	
GS-04A-00-01	SW6020	POTASSIUM	3000		15	98	MG/KG	3000	
GS-04A-00-01	SW6020	SELENIUM	1.9		0.22	0.98	MG/KG	1.9	
GS-04A-00-01	SW6020	SILVER	0.68		0.056	0.11	MG/KG	0.68	
GS-04A-00-01	SW6020	SODIUM	98	J	15	98	MG/KG	98	U
GS-04A-00-01	SW6020	THALLIUM	0.27		0.0097	0.0098	MG/KG	0.27	
GS-04A-00-01	SW6020	VANADIUM	27		0.13	0.49	MG/KG	27	
GS-04A-00-01	SW6020	ZINC	320		4	9.8	MG/KG	320	
GS-04A-00-01-DUP	SW6020	ALUMINUM	7500		6.5	15	MG/KG	7500	
GS-04A-00-01-DUP	SW6020	ANTIMONY	0.74		0.031	0.1	MG/KG	0.74	
GS-04A-00-01-DUP	SW6020	ARSENIC	28		0.049	0.2	MG/KG	28	
GS-04A-00-01-DUP	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-04A-00-01-DUP	SW6020	BERYLLIUM	0.77		0.0091	0.05	MG/KG	0.77	
GS-04A-00-01-DUP	SW6020	CADMIUM	3.1		0.038	0.2	MG/KG	3.1	
GS-04A-00-01-DUP	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-04A-00-01-DUP	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-04A-00-01-DUP	SW6020	COBALT	8		0.043	0.5	MG/KG	8	
GS-04A-00-01-DUP	SW6020	COPPER	35		0.29	2	MG/KG	35	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-04A-00-01-DUP	SW6020	IRON	20000		11	20	MG/KG	20000	
GS-04A-00-01-DUP	SW6020	LEAD	94		0.066	0.2	MG/KG	94	
GS-04A-00-01-DUP	SW6020	MAGNESIUM	3600		3.3	10	MG/KG	3600	
GS-04A-00-01-DUP	SW6020	MANGANESE	620		0.38	0.75	MG/KG	620	
GS-04A-00-01-DUP	SW6020	NICKEL	18		0.44	2	MG/KG	18	
GS-04A-00-01-DUP	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-04A-00-01-DUP	SW6020	SELENIUM	1.9		0.22	1	MG/KG	1.9	
GS-04A-00-01-DUP	SW6020	SILVER	0.66		0.057	0.11	MG/KG	0.66	
GS-04A-00-01-DUP	SW6020	SODIUM	100	J	15	100	MG/KG	100	U
GS-04A-00-01-DUP	SW6020	THALLIUM	0.27		0.0099	0.01	MG/KG	0.27	
GS-04A-00-01-DUP	SW6020	VANADIUM	26		0.13	0.5	MG/KG	26	
GS-04A-00-01-DUP	SW6020	ZINC	340		4.1	10	MG/KG	340	
GS-04A-00-01-TRI	SW6020	ALUMINUM	7700		6.5	15	MG/KG	7700	
GS-04A-00-01-TRI	SW6020	ANTIMONY	0.69		0.031	0.1	MG/KG	0.69	
GS-04A-00-01-TRI	SW6020	ARSENIC	30		0.049	0.2	MG/KG	30	
GS-04A-00-01-TRI	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-04A-00-01-TRI	SW6020	BERYLLIUM	0.77		0.009	0.05	MG/KG	0.77	
GS-04A-00-01-TRI	SW6020	CADMIUM	1.4		0.038	0.2	MG/KG	1.4	
GS-04A-00-01-TRI	SW6020	CALCIUM	10000		18	100	MG/KG	10000	
GS-04A-00-01-TRI	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-04A-00-01-TRI	SW6020	COBALT	7.8		0.043	0.5	MG/KG	7.8	
GS-04A-00-01-TRI	SW6020	COPPER	36		0.29	2	MG/KG	36	
GS-04A-00-01-TRI	SW6020	IRON	21000		11	20	MG/KG	21000	
GS-04A-00-01-TRI	SW6020	LEAD	100		0.066	0.2	MG/KG	100	
GS-04A-00-01-TRI	SW6020	MAGNESIUM	3700		3.3	10	MG/KG	3700	
GS-04A-00-01-TRI	SW6020	MANGANESE	660		0.38	0.75	MG/KG	660	
GS-04A-00-01-TRI	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-04A-00-01-TRI	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-04A-00-01-TRI	SW6020	SELENIUM	1.9		0.22	1	MG/KG	1.9	
GS-04A-00-01-TRI	SW6020	SILVER	0.7		0.057	0.11	MG/KG	0.7	
GS-04A-00-01-TRI	SW6020	SODIUM	100		15	100	MG/KG	100	J+
GS-04A-00-01-TRI	SW6020	THALLIUM	0.27		0.0098	0.01	MG/KG	0.27	
GS-04A-00-01-TRI	SW6020	VANADIUM	28		0.13	0.5	MG/KG	28	
GS-04A-00-01-TRI	SW6020	ZINC	340		4.1	10	MG/KG	340	
GS-04A-01-06	SW6020	ALUMINUM	8100		6.5	15	MG/KG	8100	
GS-04A-01-06	SW6020	ANTIMONY	0.54		0.031	0.1	MG/KG	0.54	
GS-04A-01-06	SW6020	ARSENIC	26		0.049	0.2	MG/KG	26	
GS-04A-01-06	SW6020	BARIUM	240		0.23	0.5	MG/KG	240	
GS-04A-01-06	SW6020	BERYLLIUM	0.8		0.009	0.05	MG/KG	0.8	
GS-04A-01-06	SW6020	CADMIUM	2		0.038	0.2	MG/KG	2	
GS-04A-01-06	SW6020	CALCIUM	9600		18	100	MG/KG	9600	
GS-04A-01-06	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-04A-01-06	SW6020	COBALT	9.9		0.043	0.5	MG/KG	9.9	
GS-04A-01-06	SW6020	COPPER	33		0.29	2	MG/KG	33	
GS-04A-01-06	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-04A-01-06	SW6020	LEAD	79		0.066	0.2	MG/KG	79	
GS-04A-01-06	SW6020	MAGNESIUM	3900		3.3	10	MG/KG	3900	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-04A-01-06	SW6020	MANGANESE	710		0.38	0.75	MG/KG	710	
GS-04A-01-06	SW6020	NICKEL	35		0.44	2	MG/KG	35	
GS-04A-01-06	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-04A-01-06	SW6020	SELENIUM	2.3		0.22	1	MG/KG	2.3	
GS-04A-01-06	SW6020	SILVER	0.47		0.057	0.11	MG/KG	0.47	
GS-04A-01-06	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-04A-01-06	SW6020	THALLIUM	0.28		0.0098	0.01	MG/KG	0.28	
GS-04A-01-06	SW6020	VANADIUM	27		0.13	0.5	MG/KG	27	
GS-04A-01-06	SW6020	ZINC	200		4.1	10	MG/KG	200	
GS-04A-01-06-DUP	SW6020	ALUMINUM	8800		6.8	16	MG/KG	8800	
GS-04A-01-06-DUP	SW6020	ANTIMONY	0.54		0.033	0.1	MG/KG	0.54	
GS-04A-01-06-DUP	SW6020	ARSENIC	27		0.051	0.21	MG/KG	27	
GS-04A-01-06-DUP	SW6020	BARIUM	250		0.24	0.52	MG/KG	250	
GS-04A-01-06-DUP	SW6020	BERYLLIUM	0.88		0.0094	0.052	MG/KG	0.88	
GS-04A-01-06-DUP	SW6020	CADMIUM	1.3		0.04	0.21	MG/KG	1.3	
GS-04A-01-06-DUP	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-04A-01-06-DUP	SW6020	CHROMIUM	12		0.58	1	MG/KG	12	
GS-04A-01-06-DUP	SW6020	COBALT	11		0.045	0.52	MG/KG	11	
GS-04A-01-06-DUP	SW6020	COPPER	36		0.3	2.1	MG/KG	36	
GS-04A-01-06-DUP	SW6020	IRON	26000		12	21	MG/KG	26000	
GS-04A-01-06-DUP	SW6020	LEAD	70		0.069	0.21	MG/KG	70	
GS-04A-01-06-DUP	SW6020	MAGNESIUM	4500		3.5	10	MG/KG	4500	
GS-04A-01-06-DUP	SW6020	MANGANESE	770		0.4	0.79	MG/KG	770	
GS-04A-01-06-DUP	SW6020	NICKEL	52		0.46	2.1	MG/KG	52	
GS-04A-01-06-DUP	SW6020	POTASSIUM	2300		16	100	MG/KG	2300	
GS-04A-01-06-DUP	SW6020	SELENIUM	2.6		0.23	1	MG/KG	2.6	
GS-04A-01-06-DUP	SW6020	SILVER	0.43		0.06	0.12	MG/KG	0.43	
GS-04A-01-06-DUP	SW6020	SODIUM	150		16	100	MG/KG	150	J+
GS-04A-01-06-DUP	SW6020	THALLIUM	0.32		0.01	0.01	MG/KG	0.32	
GS-04A-01-06-DUP	SW6020	VANADIUM	28		0.14	0.52	MG/KG	28	
GS-04A-01-06-DUP	SW6020	ZINC	200		4.3	10	MG/KG	200	
GS-04A-01-06-TRI	SW6020	ALUMINUM	8600		6.5	15	MG/KG	8600	
GS-04A-01-06-TRI	SW6020	ANTIMONY	0.44		0.031	0.1	MG/KG	0.44	
GS-04A-01-06-TRI	SW6020	ARSENIC	27		0.049	0.2	MG/KG	27	
GS-04A-01-06-TRI	SW6020	BARIUM	250		0.23	0.5	MG/KG	250	
GS-04A-01-06-TRI	SW6020	BERYLLIUM	0.88		0.009	0.05	MG/KG	0.88	
GS-04A-01-06-TRI	SW6020	CADMIUM	1.2		0.038	0.2	MG/KG	1.2	
GS-04A-01-06-TRI	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-04A-01-06-TRI	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-04A-01-06-TRI	SW6020	COBALT	11		0.043	0.5	MG/KG	11	
GS-04A-01-06-TRI	SW6020	COPPER	38		0.29	2	MG/KG	38	
GS-04A-01-06-TRI	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-04A-01-06-TRI	SW6020	LEAD	76		0.066	0.2	MG/KG	76	
GS-04A-01-06-TRI	SW6020	MAGNESIUM	4600		3.3	10	MG/KG	4600	
GS-04A-01-06-TRI	SW6020	MANGANESE	760		0.38	0.75	MG/KG	760	
GS-04A-01-06-TRI	SW6020	NICKEL	50		0.44	2	MG/KG	50	
GS-04A-01-06-TRI	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-04A-01-06-TRI	SW6020	SELENIUM	2.5		0.22	1	MG/KG	2.5	
GS-04A-01-06-TRI	SW6020	SILVER	0.53		0.057	0.11	MG/KG	0.53	
GS-04A-01-06-TRI	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-04A-01-06-TRI	SW6020	THALLIUM	0.3		0.0098	0.01	MG/KG	0.3	
GS-04A-01-06-TRI	SW6020	VANADIUM	28		0.13	0.5	MG/KG	28	
GS-04A-01-06-TRI	SW6020	ZINC	220		4.1	10	MG/KG	220	
GS-04B-00-01	SW6020	ALUMINUM	8100		6.6	15	MG/KG	8100	
GS-04B-00-01	SW6020	ANTIMONY	1.4		0.031	0.1	MG/KG	1.4	
GS-04B-00-01	SW6020	ARSENIC	75		0.05	0.2	MG/KG	75	
GS-04B-00-01	SW6020	BARIUM	180		0.23	0.51	MG/KG	180	
GS-04B-00-01	SW6020	BERYLLIUM	0.95		0.0091	0.051	MG/KG	0.95	
GS-04B-00-01	SW6020	CADMIUM	9.6		0.038	0.2	MG/KG	9.6	
GS-04B-00-01	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-04B-00-01	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-04B-00-01	SW6020	COBALT	9.8		0.043	0.51	MG/KG	9.8	
GS-04B-00-01	SW6020	COPPER	58		0.29	2	MG/KG	58	
GS-04B-00-01	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-04B-00-01	SW6020	LEAD	250		0.067	0.2	MG/KG	250	
GS-04B-00-01	SW6020	MAGNESIUM	6000		3.3	10	MG/KG	6000	
GS-04B-00-01	SW6020	MANGANESE	2200		3.8	7.6	MG/KG	2200	
GS-04B-00-01	SW6020	NICKEL	19		0.44	2	MG/KG	19	
GS-04B-00-01	SW6020	POTASSIUM	3700		15	100	MG/KG	3700	
GS-04B-00-01	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-04B-00-01	SW6020	SILVER	1.6		0.058	0.12	MG/KG	1.6	
GS-04B-00-01	SW6020	SODIUM	500		15	100	MG/KG	500	
GS-04B-00-01	SW6020	THALLIUM	0.41		0.0099	0.01	MG/KG	0.41	
GS-04B-00-01	SW6020	VANADIUM	41		0.13	0.51	MG/KG	41	
GS-04B-00-01	SW6020	ZINC	2400		4.1	10	MG/KG	2400	
GS-04B-01-06	SW6020	ALUMINUM	8200		6.7	15	MG/KG	8200	
GS-04B-01-06	SW6020	ANTIMONY	1		0.032	0.1	MG/KG	1	
GS-04B-01-06	SW6020	ARSENIC	55		0.051	0.21	MG/KG	55	
GS-04B-01-06	SW6020	BARIUM	160		0.24	0.52	MG/KG	160	
GS-04B-01-06	SW6020	BERYLLIUM	1.1		0.0093	0.052	MG/KG	1.1	
GS-04B-01-06	SW6020	CADMIUM	9.4		0.039	0.21	MG/KG	9.4	
GS-04B-01-06	SW6020	CALCIUM	32000		19	100	MG/KG	32000	
GS-04B-01-06	SW6020	CHROMIUM	12		0.57	1	MG/KG	12	
GS-04B-01-06	SW6020	COBALT	12		0.044	0.52	MG/KG	12	
GS-04B-01-06	SW6020	COPPER	62		0.3	2.1	MG/KG	62	
GS-04B-01-06	SW6020	IRON	28000		11	21	MG/KG	28000	
GS-04B-01-06	SW6020	LEAD	220		0.068	0.21	MG/KG	220	
GS-04B-01-06	SW6020	MAGNESIUM	5800		3.4	10	MG/KG	5800	
GS-04B-01-06	SW6020	MANGANESE	3100		3.9	7.7	MG/KG	3100	
GS-04B-01-06	SW6020	NICKEL	36		0.45	2.1	MG/KG	36	
GS-04B-01-06	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-04B-01-06	SW6020	SELENIUM	3.2		0.23	1	MG/KG	3.2	
GS-04B-01-06	SW6020	SILVER	1.5		0.059	0.12	MG/KG	1.5	
GS-04B-01-06	SW6020	SODIUM	350		15	100	MG/KG	350	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-04B-01-06	SW6020	THALLIUM	0.37		0.01	0.01	MG/KG	0.37	
GS-04B-01-06	SW6020	VANADIUM	36		0.13	0.52	MG/KG	36	
GS-04B-01-06	SW6020	ZINC	1700		4.2	10	MG/KG	1700	
GS-04E-00-01	SW6020	ALUMINUM	8100		6.5	15	MG/KG	8100	
GS-04E-00-01	SW6020	ANTIMONY	0.96		0.031	0.1	MG/KG	0.96	
GS-04E-00-01	SW6020	ARSENIC	46		0.049	0.2	MG/KG	46	
GS-04E-00-01	SW6020	BARIUM	250		0.23	0.5	MG/KG	250	
GS-04E-00-01	SW6020	BERYLLIUM	0.99		0.0091	0.05	MG/KG	0.99	
GS-04E-00-01	SW6020	CADMIUM	2.2		0.038	0.2	MG/KG	2.2	
GS-04E-00-01	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-04E-00-01	SW6020	CHROMIUM	18		0.55	1	MG/KG	18	
GS-04E-00-01	SW6020	COBALT	7.5		0.043	0.5	MG/KG	7.5	
GS-04E-00-01	SW6020	COPPER	44		0.29	2	MG/KG	44	
GS-04E-00-01	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-04E-00-01	SW6020	LEAD	180		0.066	0.2	MG/KG	180	
GS-04E-00-01	SW6020	MAGNESIUM	3600		3.3	10	MG/KG	3600	
GS-04E-00-01	SW6020	MANGANESE	740		0.38	0.76	MG/KG	740	
GS-04E-00-01	SW6020	NICKEL	16		0.44	2	MG/KG	16	
GS-04E-00-01	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-04E-00-01	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-04E-00-01	SW6020	SILVER	1.3		0.057	0.11	MG/KG	1.3	
GS-04E-00-01	SW6020	SODIUM	200		15	100	MG/KG	200	J+
GS-04E-00-01	SW6020	THALLIUM	0.34		0.0099	0.01	MG/KG	0.34	
GS-04E-00-01	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	
GS-04E-00-01	SW6020	ZINC	510		4.1	10	MG/KG	510	
GS-04E-01-06	SW6020	ALUMINUM	8300		6.5	15	MG/KG	8300	
GS-04E-01-06	SW6020	ANTIMONY	1.1		0.031	0.099	MG/KG	1.1	
GS-04E-01-06	SW6020	ARSENIC	44		0.049	0.2	MG/KG	44	
GS-04E-01-06	SW6020	BARIUM	240		0.23	0.5	MG/KG	240	
GS-04E-01-06	SW6020	BERYLLIUM	1.2		0.0089	0.05	MG/KG	1.2	
GS-04E-01-06	SW6020	CADMIUM	2.4		0.038	0.2	MG/KG	2.4	
GS-04E-01-06	SW6020	CALCIUM	8800		18	99	MG/KG	8800	
GS-04E-01-06	SW6020	CHROMIUM	16		0.55	0.99	MG/KG	16	
GS-04E-01-06	SW6020	COBALT	8.8		0.043	0.5	MG/KG	8.8	
GS-04E-01-06	SW6020	COPPER	42		0.29	2	MG/KG	42	
GS-04E-01-06	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-04E-01-06	SW6020	LEAD	190		0.066	0.2	MG/KG	190	
GS-04E-01-06	SW6020	MAGNESIUM	3400		3.3	9.9	MG/KG	3400	
GS-04E-01-06	SW6020	MANGANESE	900		0.38	0.75	MG/KG	900	
GS-04E-01-06	SW6020	NICKEL	27		0.44	2	MG/KG	27	
GS-04E-01-06	SW6020	POTASSIUM	2900		15	99	MG/KG	2900	
GS-04E-01-06	SW6020	SELENIUM	3.3		0.22	0.99	MG/KG	3.3	
GS-04E-01-06	SW6020	SILVER	1.3		0.057	0.11	MG/KG	1.3	
GS-04E-01-06	SW6020	SODIUM	160		15	99	MG/KG	160	J+
GS-04E-01-06	SW6020	THALLIUM	0.36		0.0097	0.0099	MG/KG	0.36	
GS-04E-01-06	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-04E-01-06	SW6020	ZINC	480		4.1	9.9	MG/KG	480	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-05A-00-01	SW6020	ALUMINUM	7100		6.5	15	MG/KG	7100	
GS-05A-00-01	SW6020	ANTIMONY	0.67		0.031	0.099	MG/KG	0.67	
GS-05A-00-01	SW6020	ARSENIC	31		0.049	0.2	MG/KG	31	
GS-05A-00-01	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-05A-00-01	SW6020	BERYLLIUM	0.73		0.0089	0.05	MG/KG	0.73	
GS-05A-00-01	SW6020	CADMIUM	1.4		0.038	0.2	MG/KG	1.4	
GS-05A-00-01	SW6020	CALCIUM	11000		18	99	MG/KG	11000	
GS-05A-00-01	SW6020	CHROMIUM	11		0.55	0.99	MG/KG	11	
GS-05A-00-01	SW6020	COBALT	6.8		0.043	0.5	MG/KG	6.8	
GS-05A-00-01	SW6020	COPPER	31		0.29	2	MG/KG	31	
GS-05A-00-01	SW6020	IRON	21000		11	20	MG/KG	21000	
GS-05A-00-01	SW6020	LEAD	120		0.066	0.2	MG/KG	120	
GS-05A-00-01	SW6020	MAGNESIUM	4000		3.3	9.9	MG/KG	4000	
GS-05A-00-01	SW6020	MANGANESE	570		0.38	0.75	MG/KG	570	
GS-05A-00-01	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-05A-00-01	SW6020	POTASSIUM	3200		15	99	MG/KG	3200	
GS-05A-00-01	SW6020	SELENIUM	1.9		0.22	0.99	MG/KG	1.9	
GS-05A-00-01	SW6020	SILVER	0.79		0.057	0.11	MG/KG	0.79	
GS-05A-00-01	SW6020	SODIUM	130		15	99	MG/KG	130	J+
GS-05A-00-01	SW6020	THALLIUM	0.24		0.0097	0.0099	MG/KG	0.24	
GS-05A-00-01	SW6020	VANADIUM	28		0.13	0.5	MG/KG	28	
GS-05A-00-01	SW6020	ZINC	360		4.1	9.9	MG/KG	360	
GS-05A-01-06	SW6020	ALUMINUM	8100		6.6	15	MG/KG	8100	
GS-05A-01-06	SW6020	ANTIMONY	0.49		0.032	0.1	MG/KG	0.49	
GS-05A-01-06	SW6020	ARSENIC	24		0.05	0.2	MG/KG	24	
GS-05A-01-06	SW6020	BARIUM	210		0.23	0.51	MG/KG	210	
GS-05A-01-06	SW6020	BERYLLIUM	0.81		0.0092	0.051	MG/KG	0.81	
GS-05A-01-06	SW6020	CADMIUM	1.1		0.039	0.2	MG/KG	1.1	
GS-05A-01-06	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-05A-01-06	SW6020	CHROMIUM	11		0.56	1	MG/KG	11	
GS-05A-01-06	SW6020	COBALT	8.1		0.044	0.51	MG/KG	8.1	
GS-05A-01-06	SW6020	COPPER	32		0.3	2	MG/KG	32	
GS-05A-01-06	SW6020	IRON	21000		11	20	MG/KG	21000	
GS-05A-01-06	SW6020	LEAD	100		0.067	0.2	MG/KG	100	
GS-05A-01-06	SW6020	MAGNESIUM	4200		3.4	10	MG/KG	4200	
GS-05A-01-06	SW6020	MANGANESE	550		0.39	0.76	MG/KG	550	
GS-05A-01-06	SW6020	NICKEL	49		0.45	2	MG/KG	49	
GS-05A-01-06	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-05A-01-06	SW6020	SELENIUM	2.1		0.23	1	MG/KG	2.1	
GS-05A-01-06	SW6020	SILVER	0.57		0.058	0.12	MG/KG	0.57	
GS-05A-01-06	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-05A-01-06	SW6020	THALLIUM	0.26		0.01	0.01	MG/KG	0.26	
GS-05A-01-06	SW6020	VANADIUM	25		0.13	0.51	MG/KG	25	
GS-05A-01-06	SW6020	ZINC	200		4.2	10	MG/KG	200	
GS-05B-00-01	SW6020	ALUMINUM	10000		6.3	15	MG/KG	10000	
GS-05B-00-01	SW6020	ANTIMONY	0.96		0.03	0.098	MG/KG	0.96	
GS-05B-00-01	SW6020	ARSENIC	53		0.048	0.2	MG/KG	53	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-05B-00-01	SW6020	BARIUM	110		0.22	0.49	MG/KG	110	
GS-05B-00-01	SW6020	BERYLLIUM	1.2		0.0088	0.049	MG/KG	1.2	
GS-05B-00-01	SW6020	CADMIUM	16		0.037	0.2	MG/KG	16	
GS-05B-00-01	SW6020	CALCIUM	22000		18	98	MG/KG	22000	
GS-05B-00-01	SW6020	CHROMIUM	14		0.54	0.98	MG/KG	14	
GS-05B-00-01	SW6020	COBALT	12		0.042	0.49	MG/KG	12	
GS-05B-00-01	SW6020	COPPER	86		0.28	2	MG/KG	86	
GS-05B-00-01	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-05B-00-01	SW6020	LEAD	190		0.064	0.2	MG/KG	190	
GS-05B-00-01	SW6020	MAGNESIUM	4200		3.2	9.8	MG/KG	4200	
GS-05B-00-01	SW6020	MANGANESE	4800		3.7	7.3	MG/KG	4800	
GS-05B-00-01	SW6020	NICKEL	42		0.43	2	MG/KG	42	
GS-05B-00-01	SW6020	POTASSIUM	2600		15	98	MG/KG	2600	
GS-05B-00-01	SW6020	SELENIUM	3.3		0.22	0.98	MG/KG	3.3	
GS-05B-00-01	SW6020	SILVER	1.3		0.056	0.11	MG/KG	1.3	
GS-05B-00-01	SW6020	SODIUM	310		15	98	MG/KG	310	
GS-05B-00-01	SW6020	THALLIUM	0.38		0.0096	0.0098	MG/KG	0.38	
GS-05B-00-01	SW6020	VANADIUM	39		0.13	0.49	MG/KG	39	
GS-05B-00-01	SW6020	ZINC	2900		4	9.8	MG/KG	2900	
GS-05B-01-06	SW6020	ALUMINUM	9900		6.4	15	MG/KG	9900	
GS-05B-01-06	SW6020	ANTIMONY	1.2		0.031	0.099	MG/KG	1.2	
GS-05B-01-06	SW6020	ARSENIC	55		0.048	0.2	MG/KG	55	
GS-05B-01-06	SW6020	BARIUM	150		0.23	0.49	MG/KG	150	
GS-05B-01-06	SW6020	BERYLLIUM	1		0.0089	0.049	MG/KG	1	
GS-05B-01-06	SW6020	CADMIUM	11		0.038	0.2	MG/KG	11	
GS-05B-01-06	SW6020	CALCIUM	13000		18	99	MG/KG	13000	
GS-05B-01-06	SW6020	CHROMIUM	15		0.54	0.99	MG/KG	15	
GS-05B-01-06	SW6020	COBALT	11		0.043	0.49	MG/KG	11	
GS-05B-01-06	SW6020	COPPER	76		0.29	2	MG/KG	76	
GS-05B-01-06	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-05B-01-06	SW6020	LEAD	190		0.065	0.2	MG/KG	190	
GS-05B-01-06	SW6020	MAGNESIUM	4600		3.3	9.9	MG/KG	4600	
GS-05B-01-06	SW6020	MANGANESE	2800		3.8	7.4	MG/KG	2800	
GS-05B-01-06	SW6020	NICKEL	25		0.44	2	MG/KG	25	
GS-05B-01-06	SW6020	POTASSIUM	2900		15	99	MG/KG	2900	
GS-05B-01-06	SW6020	SELENIUM	2.9		0.22	0.99	MG/KG	2.9	
GS-05B-01-06	SW6020	SILVER	1.3		0.056	0.11	MG/KG	1.3	
GS-05B-01-06	SW6020	SODIUM	510		15	99	MG/KG	510	
GS-05B-01-06	SW6020	THALLIUM	0.34		0.0097	0.0099	MG/KG	0.34	
GS-05B-01-06	SW6020	VANADIUM	40		0.13	0.49	MG/KG	40	
GS-05B-01-06	SW6020	ZINC	2600		4.1	9.9	MG/KG	2600	
GS-06A-00-01	SW6020	ALUMINUM	7300		6.5	15	MG/KG	7300	
GS-06A-00-01	SW6020	ANTIMONY	0.47		0.031	0.1	MG/KG	0.47	
GS-06A-00-01	SW6020	ARSENIC	19		0.049	0.2	MG/KG	19	
GS-06A-00-01	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-06A-00-01	SW6020	BERYLLIUM	0.64		0.009	0.05	MG/KG	0.64	
GS-06A-00-01	SW6020	CADMIUM	0.91		0.038	0.2	MG/KG	0.91	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-06A-00-01	SW6020	CALCIUM	7500		18	100	MG/KG	7500	
GS-06A-00-01	SW6020	CHROMIUM	9.1		0.55	1	MG/KG	9.1	
GS-06A-00-01	SW6020	COBALT	6.3		0.043	0.5	MG/KG	6.3	
GS-06A-00-01	SW6020	COPPER	25		0.29	2	MG/KG	25	
GS-06A-00-01	SW6020	IRON	17000		11	20	MG/KG	17000	
GS-06A-00-01	SW6020	LEAD	61		0.066	0.2	MG/KG	61	
GS-06A-00-01	SW6020	MAGNESIUM	2500		3.3	10	MG/KG	2500	
GS-06A-00-01	SW6020	MANGANESE	480		0.38	0.75	MG/KG	480	
GS-06A-00-01	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-06A-00-01	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-06A-00-01	SW6020	SELENIUM	1.8		0.22	1	MG/KG	1.8	
GS-06A-00-01	SW6020	SILVER	0.41		0.057	0.11	MG/KG	0.41	
GS-06A-00-01	SW6020	SODIUM	89	J	15	100	MG/KG	100	U
GS-06A-00-01	SW6020	THALLIUM	0.22		0.0098	0.01	MG/KG	0.22	
GS-06A-00-01	SW6020	VANADIUM	23		0.13	0.5	MG/KG	23	
GS-06A-00-01	SW6020	ZINC	230		4.1	10	MG/KG	230	
GS-06A-01-06	SW6020	ALUMINUM	8700		6.7	15	MG/KG	8700	
GS-06A-01-06	SW6020	ANTIMONY	0.39		0.032	0.1	MG/KG	0.39	
GS-06A-01-06	SW6020	ARSENIC	17		0.051	0.21	MG/KG	17	
GS-06A-01-06	SW6020	BARIUM	210		0.24	0.52	MG/KG	210	
GS-06A-01-06	SW6020	BERYLLIUM	0.86		0.0093	0.052	MG/KG	0.86	
GS-06A-01-06	SW6020	CADMIUM	0.77		0.039	0.21	MG/KG	0.77	
GS-06A-01-06	SW6020	CALCIUM	7300		19	100	MG/KG	7300	
GS-06A-01-06	SW6020	CHROMIUM	11		0.57	1	MG/KG	11	
GS-06A-01-06	SW6020	COBALT	7.5		0.044	0.52	MG/KG	7.5	
GS-06A-01-06	SW6020	COPPER	27		0.3	2.1	MG/KG	27	
GS-06A-01-06	SW6020	IRON	20000		11	21	MG/KG	20000	
GS-06A-01-06	SW6020	LEAD	60		0.068	0.21	MG/KG	60	
GS-06A-01-06	SW6020	MAGNESIUM	3000		3.4	10	MG/KG	3000	
GS-06A-01-06	SW6020	MANGANESE	480		0.39	0.77	MG/KG	480	
GS-06A-01-06	SW6020	NICKEL	63		0.45	2.1	MG/KG	63	
GS-06A-01-06	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-06A-01-06	SW6020	SELENIUM	2.3		0.23	1	MG/KG	2.3	
GS-06A-01-06	SW6020	SILVER	0.3		0.059	0.12	MG/KG	0.3	
GS-06A-01-06	SW6020	SODIUM	110		15	100	MG/KG	110	J+
GS-06A-01-06	SW6020	THALLIUM	0.26		0.01	0.01	MG/KG	0.26	
GS-06A-01-06	SW6020	VANADIUM	25		0.13	0.52	MG/KG	25	
GS-06A-01-06	SW6020	ZINC	180		4.2	10	MG/KG	180	
GS-06B-00-01	SW6020	ALUMINUM	7500		6.5	15	MG/KG	7500	
GS-06B-00-01	SW6020	ANTIMONY	1	N	0.031	0.1	MG/KG	1	J
GS-06B-00-01	SW6020	ARSENIC	50		0.049	0.2	MG/KG	50	
GS-06B-00-01	SW6020	BARIUM	130		0.23	0.5	MG/KG	130	
GS-06B-00-01	SW6020	BERYLLIUM	0.79		0.009	0.05	MG/KG	0.79	
GS-06B-00-01	SW6020	CADMIUM	23		0.038	0.2	MG/KG	23	
GS-06B-00-01	SW6020	CALCIUM	12000		18	100	MG/KG	12000	
GS-06B-00-01	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-06B-00-01	SW6020	COBALT	8.2		0.043	0.5	MG/KG	8.2	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-06B-00-01	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-06B-00-01	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-06B-00-01	SW6020	LEAD	180		0.066	0.2	MG/KG	180	
GS-06B-00-01	SW6020	MAGNESIUM	6100		3.3	10	MG/KG	6100	
GS-06B-00-01	SW6020	MANGANESE	2200		3.8	7.5	MG/KG	2200	
GS-06B-00-01	SW6020	NICKEL	33		0.44	2	MG/KG	33	
GS-06B-00-01	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-06B-00-01	SW6020	SELENIUM	2.3		0.22	1	MG/KG	2.3	
GS-06B-00-01	SW6020	SILVER	1.4	N	0.057	0.11	MG/KG	1.4	
GS-06B-00-01	SW6020	SODIUM	1000		15	100	MG/KG	1000	
GS-06B-00-01	SW6020	THALLIUM	0.3		0.0098	0.01	MG/KG	0.3	
GS-06B-00-01	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-06B-00-01	SW6020	ZINC	5500		4.1	10	MG/KG	5500	
GS-06B-01-06	SW6020	ALUMINUM	8700		6.7	15	MG/KG	8700	
GS-06B-01-06	SW6020	ANTIMONY	0.65	N	0.032	0.1	MG/KG	0.65	J
GS-06B-01-06	SW6020	ARSENIC	56		0.05	0.21	MG/KG	56	
GS-06B-01-06	SW6020	BARIUM	130		0.24	0.51	MG/KG	130	
GS-06B-01-06	SW6020	BERYLLIUM	0.96		0.0093	0.051	MG/KG	0.96	
GS-06B-01-06	SW6020	CADMIUM	21		0.039	0.21	MG/KG	21	
GS-06B-01-06	SW6020	CALCIUM	22000		19	100	MG/KG	22000	
GS-06B-01-06	SW6020	CHROMIUM	14		0.57	1	MG/KG	14	
GS-06B-01-06	SW6020	COBALT	10		0.044	0.51	MG/KG	10	
GS-06B-01-06	SW6020	COPPER	52		0.3	2.1	MG/KG	52	
GS-06B-01-06	SW6020	IRON	29000		11	21	MG/KG	29000	
GS-06B-01-06	SW6020	LEAD	220		0.068	0.21	MG/KG	220	
GS-06B-01-06	SW6020	MAGNESIUM	5700		3.4	10	MG/KG	5700	
GS-06B-01-06	SW6020	MANGANESE	4000		3.9	7.7	MG/KG	4000	
GS-06B-01-06	SW6020	NICKEL	40		0.45	2.1	MG/KG	40	
GS-06B-01-06	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-06B-01-06	SW6020	SELENIUM	2.8		0.23	1	MG/KG	2.8	
GS-06B-01-06	SW6020	SILVER	1.4		0.059	0.12	MG/KG	1.4	
GS-06B-01-06	SW6020	SODIUM	440		15	100	MG/KG	440	
GS-06B-01-06	SW6020	THALLIUM	0.31		0.01	0.01	MG/KG	0.31	
GS-06B-01-06	SW6020	VANADIUM	35		0.13	0.51	MG/KG	35	
GS-06B-01-06	SW6020	ZINC	5100		4.2	10	MG/KG	5100	
GS-06E-00-01	SW6020	ALUMINUM	7800		6.6	15	MG/KG	7800	
GS-06E-00-01	SW6020	ANTIMONY	0.71		0.031	0.1	MG/KG	0.71	
GS-06E-00-01	SW6020	ARSENIC	37		0.049	0.2	MG/KG	37	
GS-06E-00-01	SW6020	BARIUM	230		0.23	0.5	MG/KG	230	
GS-06E-00-01	SW6020	BERYLLIUM	1		0.0091	0.05	MG/KG	1	
GS-06E-00-01	SW6020	CADMIUM	2.1		0.038	0.2	MG/KG	2.1	
GS-06E-00-01	SW6020	CALCIUM	9500		19	100	MG/KG	9500	
GS-06E-00-01	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-06E-00-01	SW6020	COBALT	6.6		0.043	0.5	MG/KG	6.6	
GS-06E-00-01	SW6020	COPPER	36		0.29	2	MG/KG	36	
GS-06E-00-01	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-06E-00-01	SW6020	LEAD	140		0.067	0.2	MG/KG	140	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-06E-00-01	SW6020	MAGNESIUM	2800		3.3	10	MG/KG	2800	
GS-06E-00-01	SW6020	MANGANESE	660		0.38	0.76	MG/KG	660	
GS-06E-00-01	SW6020	NICKEL	16		0.44	2	MG/KG	16	
GS-06E-00-01	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-06E-00-01	SW6020	SELENIUM	2.5		0.22	1	MG/KG	2.5	
GS-06E-00-01	SW6020	SILVER	0.96		0.058	0.12	MG/KG	0.96	
GS-06E-00-01	SW6020	SODIUM	200		15	100	MG/KG	200	J+
GS-06E-00-01	SW6020	THALLIUM	0.31		0.0099	0.01	MG/KG	0.31	
GS-06E-00-01	SW6020	VANADIUM	30		0.13	0.5	MG/KG	30	
GS-06E-00-01	SW6020	ZINC	370		4.1	10	MG/KG	370	
GS-06E-01-06	SW6020	ALUMINUM	8200		6.4	15	MG/KG	8200	
GS-06E-01-06	SW6020	ANTIMONY	1.2		0.031	0.099	MG/KG	1.2	
GS-06E-01-06	SW6020	ARSENIC	70		0.049	0.2	MG/KG	70	
GS-06E-01-06	SW6020	BARIUM	310		0.23	0.5	MG/KG	310	
GS-06E-01-06	SW6020	BERYLLIUM	1.2		0.0089	0.05	MG/KG	1.2	
GS-06E-01-06	SW6020	CADMIUM	2.7		0.038	0.2	MG/KG	2.7	
GS-06E-01-06	SW6020	CALCIUM	7500		18	99	MG/KG	7500	
GS-06E-01-06	SW6020	CHROMIUM	14		0.55	0.99	MG/KG	14	
GS-06E-01-06	SW6020	COBALT	9.6		0.043	0.5	MG/KG	9.6	
GS-06E-01-06	SW6020	COPPER	44		0.29	2	MG/KG	44	
GS-06E-01-06	SW6020	IRON	35000		11	20	MG/KG	35000	
GS-06E-01-06	SW6020	LEAD	260		0.065	0.2	MG/KG	260	
GS-06E-01-06	SW6020	MAGNESIUM	2900		3.3	9.9	MG/KG	2900	
GS-06E-01-06	SW6020	MANGANESE	1000		0.38	0.74	MG/KG	1000	
GS-06E-01-06	SW6020	NICKEL	25		0.44	2	MG/KG	25	
GS-06E-01-06	SW6020	POTASSIUM	2700		15	99	MG/KG	2700	
GS-06E-01-06	SW6020	SELENIUM	3.5		0.22	0.99	MG/KG	3.5	
GS-06E-01-06	SW6020	SILVER	1.9		0.057	0.11	MG/KG	1.9	
GS-06E-01-06	SW6020	SODIUM	150		15	99	MG/KG	150	J+
GS-06E-01-06	SW6020	THALLIUM	0.4		0.0097	0.0099	MG/KG	0.4	
GS-06E-01-06	SW6020	VANADIUM	39		0.13	0.5	MG/KG	39	
GS-06E-01-06	SW6020	ZINC	400		4.1	9.9	MG/KG	400	
GS-07A-00-01	SW6020	ALUMINUM	7400		6.5	15	MG/KG	7400	
GS-07A-00-01	SW6020	ANTIMONY	0.47		0.031	0.1	MG/KG	0.47	
GS-07A-00-01	SW6020	ARSENIC	22		0.049	0.2	MG/KG	22	
GS-07A-00-01	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-07A-00-01	SW6020	BERYLLIUM	0.73		0.009	0.05	MG/KG	0.73	
GS-07A-00-01	SW6020	CADMIUM	1		0.038	0.2	MG/KG	1	
GS-07A-00-01	SW6020	CALCIUM	9900		19	100	MG/KG	9900	
GS-07A-00-01	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-07A-00-01	SW6020	COBALT	8.1		0.043	0.5	MG/KG	8.1	
GS-07A-00-01	SW6020	COPPER	32		0.29	2	MG/KG	32	
GS-07A-00-01	SW6020	IRON	20000		11	20	MG/KG	20000	
GS-07A-00-01	SW6020	LEAD	80		0.066	0.2	MG/KG	80	
GS-07A-00-01	SW6020	MAGNESIUM	3400		3.3	10	MG/KG	3400	
GS-07A-00-01	SW6020	MANGANESE	610		0.38	0.75	MG/KG	610	
GS-07A-00-01	SW6020	NICKEL	19		0.44	2	MG/KG	19	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-07A-00-01	SW6020	POTASSIUM	2500		15	100	MG/KG	2500	
GS-07A-00-01	SW6020	SELENIUM	2		0.22	1	MG/KG	2	
GS-07A-00-01	SW6020	SILVER	0.46		0.057	0.11	MG/KG	0.46	
GS-07A-00-01	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-07A-00-01	SW6020	THALLIUM	0.24		0.0098	0.01	MG/KG	0.24	
GS-07A-00-01	SW6020	VANADIUM	27		0.13	0.5	MG/KG	27	
GS-07A-00-01	SW6020	ZINC	290		4.1	10	MG/KG	290	
GS-07A-01-06	SW6020	ALUMINUM	7900		6.6	15	MG/KG	7900	
GS-07A-01-06	SW6020	ANTIMONY	0.34		0.031	0.1	MG/KG	0.34	
GS-07A-01-06	SW6020	ARSENIC	19		0.05	0.2	MG/KG	19	
GS-07A-01-06	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-07A-01-06	SW6020	BERYLLIUM	0.75		0.0091	0.051	MG/KG	0.75	
GS-07A-01-06	SW6020	CADMIUM	0.9		0.039	0.2	MG/KG	0.9	
GS-07A-01-06	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-07A-01-06	SW6020	CHROMIUM	11		0.56	1	MG/KG	11	
GS-07A-01-06	SW6020	COBALT	7.9		0.044	0.51	MG/KG	7.9	
GS-07A-01-06	SW6020	COPPER	30		0.29	2	MG/KG	30	
GS-07A-01-06	SW6020	IRON	21000		11	20	MG/KG	21000	
GS-07A-01-06	SW6020	LEAD	77		0.067	0.2	MG/KG	77	
GS-07A-01-06	SW6020	MAGNESIUM	3400		3.3	10	MG/KG	3400	
GS-07A-01-06	SW6020	MANGANESE	590		0.39	0.76	MG/KG	590	
GS-07A-01-06	SW6020	NICKEL	46		0.45	2	MG/KG	46	
GS-07A-01-06	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-07A-01-06	SW6020	SELENIUM	2.1		0.23	1	MG/KG	2.1	
GS-07A-01-06	SW6020	SILVER	0.43		0.058	0.12	MG/KG	0.43	
GS-07A-01-06	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-07A-01-06	SW6020	THALLIUM	0.24		0.0099	0.01	MG/KG	0.24	
GS-07A-01-06	SW6020	VANADIUM	27		0.13	0.51	MG/KG	27	
GS-07A-01-06	SW6020	ZINC	210		4.2	10	MG/KG	210	
GS-07A1-00-01	SW6020	ALUMINUM	7500		6.6	15	MG/KG	7500	
GS-07A1-00-01	SW6020	ANTIMONY	0.35		0.031	0.1	MG/KG	0.35	
GS-07A1-00-01	SW6020	ARSENIC	22		0.05	0.2	MG/KG	22	
GS-07A1-00-01	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-07A1-00-01	SW6020	BERYLLIUM	0.59		0.0091	0.051	MG/KG	0.59	
GS-07A1-00-01	SW6020	CADMIUM	1		0.038	0.2	MG/KG	1	
GS-07A1-00-01	SW6020	CALCIUM	7200		19	100	MG/KG	7200	
GS-07A1-00-01	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-07A1-00-01	SW6020	COBALT	6.4		0.044	0.51	MG/KG	6.4	
GS-07A1-00-01	SW6020	COPPER	30		0.29	2	MG/KG	30	
GS-07A1-00-01	SW6020	IRON	19000		11	20	MG/KG	19000	
GS-07A1-00-01	SW6020	LEAD	88		0.067	0.2	MG/KG	88	
GS-07A1-00-01	SW6020	MAGNESIUM	2300		3.3	10	MG/KG	2300	
GS-07A1-00-01	SW6020	MANGANESE	420		0.38	0.76	MG/KG	420	
GS-07A1-00-01	SW6020	NICKEL	15		0.45	2	MG/KG	15	
GS-07A1-00-01	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-07A1-00-01	SW6020	SELENIUM	1.7		0.22	1	MG/KG	1.7	
GS-07A1-00-01	SW6020	SILVER	0.47		0.058	0.12	MG/KG	0.47	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-07A1-00-01	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-07A1-00-01	SW6020	THALLIUM	0.23		0.0099	0.01	MG/KG	0.23	
GS-07A1-00-01	SW6020	VANADIUM	26		0.13	0.51	MG/KG	26	
GS-07A1-00-01	SW6020	ZINC	240		4.1	10	MG/KG	240	
GS-07A1-01-06	SW6020	ALUMINUM	7900		6.5	15	MG/KG	7900	
GS-07A1-01-06	SW6020	ANTIMONY	0.29		0.031	0.1	MG/KG	0.29	
GS-07A1-01-06	SW6020	ARSENIC	18		0.049	0.2	MG/KG	18	
GS-07A1-01-06	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-07A1-01-06	SW6020	BERYLLIUM	0.59		0.009	0.05	MG/KG	0.59	
GS-07A1-01-06	SW6020	CADMIUM	0.71		0.038	0.2	MG/KG	0.71	
GS-07A1-01-06	SW6020	CALCIUM	6000		19	100	MG/KG	6000	
GS-07A1-01-06	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-07A1-01-06	SW6020	COBALT	6.4		0.043	0.5	MG/KG	6.4	
GS-07A1-01-06	SW6020	COPPER	26		0.29	2	MG/KG	26	
GS-07A1-01-06	SW6020	IRON	18000		11	20	MG/KG	18000	
GS-07A1-01-06	SW6020	LEAD	63		0.066	0.2	MG/KG	63	
GS-07A1-01-06	SW6020	MAGNESIUM	2200		3.3	10	MG/KG	2200	
GS-07A1-01-06	SW6020	MANGANESE	400		0.38	0.75	MG/KG	400	
GS-07A1-01-06	SW6020	NICKEL	30		0.44	2	MG/KG	30	
GS-07A1-01-06	SW6020	POTASSIUM	2200		15	100	MG/KG	2200	
GS-07A1-01-06	SW6020	SELENIUM	1.7		0.22	1	MG/KG	1.7	
GS-07A1-01-06	SW6020	SILVER	0.37		0.057	0.11	MG/KG	0.37	
GS-07A1-01-06	SW6020	SODIUM	240		15	100	MG/KG	240	
GS-07A1-01-06	SW6020	THALLIUM	0.22		0.0099	0.01	MG/KG	0.22	
GS-07A1-01-06	SW6020	VANADIUM	25		0.13	0.5	MG/KG	25	
GS-07A1-01-06	SW6020	ZINC	160		4.1	10	MG/KG	160	
GS-07B-00-01	SW6020	ALUMINUM	7100		6.6	15	MG/KG	7100	
GS-07B-00-01	SW6020	ANTIMONY	0.97		0.031	0.1	MG/KG	0.97	
GS-07B-00-01	SW6020	ARSENIC	56		0.049	0.2	MG/KG	56	
GS-07B-00-01	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-07B-00-01	SW6020	BERYLLIUM	0.75		0.0091	0.05	MG/KG	0.75	
GS-07B-00-01	SW6020	CADMIUM	6.6		0.038	0.2	MG/KG	6.6	
GS-07B-00-01	SW6020	CALCIUM	7800		19	100	MG/KG	7800	
GS-07B-00-01	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-07B-00-01	SW6020	COBALT	7.8		0.043	0.5	MG/KG	7.8	
GS-07B-00-01	SW6020	COPPER	43		0.29	2	MG/KG	43	
GS-07B-00-01	SW6020	IRON	26000		11	20	MG/KG	26000	
GS-07B-00-01	SW6020	LEAD	210		0.067	0.2	MG/KG	210	
GS-07B-00-01	SW6020	MAGNESIUM	3600		3.3	10	MG/KG	3600	
GS-07B-00-01	SW6020	MANGANESE	1600		0.38	0.76	MG/KG	1600	
GS-07B-00-01	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-07B-00-01	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-07B-00-01	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-07B-00-01	SW6020	SILVER	2		0.057	0.11	MG/KG	2	
GS-07B-00-01	SW6020	SODIUM	230		15	100	MG/KG	230	
GS-07B-00-01	SW6020	THALLIUM	0.33		0.0099	0.01	MG/KG	0.33	
GS-07B-00-01	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-07B-00-01	SW6020	ZINC	1900		4.1	10	MG/KG	1900	
GS-07B-01-06	SW6020	ALUMINUM	8400		6.3	15	MG/KG	8400	
GS-07B-01-06	SW6020	ANTIMONY	0.94		0.03	0.098	MG/KG	0.94	
GS-07B-01-06	SW6020	ARSENIC	60		0.048	0.2	MG/KG	60	
GS-07B-01-06	SW6020	BARIUM	140		0.22	0.49	MG/KG	140	
GS-07B-01-06	SW6020	BERYLLIUM	0.98		0.0088	0.049	MG/KG	0.98	
GS-07B-01-06	SW6020	CADMIUM	16		0.037	0.2	MG/KG	16	
GS-07B-01-06	SW6020	CALCIUM	21000		18	98	MG/KG	21000	
GS-07B-01-06	SW6020	CHROMIUM	12		0.54	0.98	MG/KG	12	
GS-07B-01-06	SW6020	COBALT	12		0.042	0.49	MG/KG	12	
GS-07B-01-06	SW6020	COPPER	56		0.28	2	MG/KG	56	
GS-07B-01-06	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-07B-01-06	SW6020	LEAD	250		0.064	0.2	MG/KG	250	
GS-07B-01-06	SW6020	MAGNESIUM	4400		3.2	9.8	MG/KG	4400	
GS-07B-01-06	SW6020	MANGANESE	3600		3.7	7.3	MG/KG	3600	
GS-07B-01-06	SW6020	NICKEL	35		0.43	2	MG/KG	35	
GS-07B-01-06	SW6020	POTASSIUM	2500		15	98	MG/KG	2500	
GS-07B-01-06	SW6020	SELENIUM	2.6		0.22	0.98	MG/KG	2.6	
GS-07B-01-06	SW6020	SILVER	1.8		0.056	0.11	MG/KG	1.8	
GS-07B-01-06	SW6020	SODIUM	240		15	98	MG/KG	240	
GS-07B-01-06	SW6020	THALLIUM	0.38		0.0096	0.0098	MG/KG	0.38	
GS-07B-01-06	SW6020	VANADIUM	38		0.13	0.49	MG/KG	38	
GS-07B-01-06	SW6020	ZINC	3700		4	9.8	MG/KG	3700	
GS-07E-00-01	SW6020	ALUMINUM	7400		6.5	15	MG/KG	7400	
GS-07E-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-07E-00-01	SW6020	ARSENIC	54		0.049	0.2	MG/KG	54	
GS-07E-00-01	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-07E-00-01	SW6020	BERYLLIUM	1		0.009	0.05	MG/KG	1	
GS-07E-00-01	SW6020	CADMIUM	2.6		0.038	0.2	MG/KG	2.6	
GS-07E-00-01	SW6020	CALCIUM	8800		19	100	MG/KG	8800	
GS-07E-00-01	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-07E-00-01	SW6020	COBALT	7		0.043	0.5	MG/KG	7	
GS-07E-00-01	SW6020	COPPER	47		0.29	2	MG/KG	47	
GS-07E-00-01	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-07E-00-01	SW6020	LEAD	240		0.066	0.2	MG/KG	240	
GS-07E-00-01	SW6020	MAGNESIUM	3000		3.3	10	MG/KG	3000	
GS-07E-00-01	SW6020	MANGANESE	850		0.38	0.75	MG/KG	850	
GS-07E-00-01	SW6020	NICKEL	16		0.44	2	MG/KG	16	
GS-07E-00-01	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-07E-00-01	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-07E-00-01	SW6020	SILVER	1.7		0.057	0.11	MG/KG	1.7	
GS-07E-00-01	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-07E-00-01	SW6020	THALLIUM	0.35		0.0098	0.01	MG/KG	0.35	
GS-07E-00-01	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-07E-00-01	SW6020	ZINC	500		4.1	10	MG/KG	500	
GS-07E-01-06	SW6020	ALUMINUM	7500		6.5	15	MG/KG	7500	
GS-07E-01-06	SW6020	ANTIMONY	1.9		0.031	0.1	MG/KG	1.9	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-07E-01-06	SW6020	ARSENIC	110		0.049	0.2	MG/KG	110	
GS-07E-01-06	SW6020	BARIUM	290		0.23	0.5	MG/KG	290	
GS-07E-01-06	SW6020	BERYLLIUM	0.96		0.009	0.05	MG/KG	0.96	
GS-07E-01-06	SW6020	CADMIUM	2.8		0.038	0.2	MG/KG	2.8	
GS-07E-01-06	SW6020	CALCIUM	7500		19	100	MG/KG	7500	
GS-07E-01-06	SW6020	CHROMIUM	14		0.55	1	MG/KG	14	
GS-07E-01-06	SW6020	COBALT	8.6		0.043	0.5	MG/KG	8.6	
GS-07E-01-06	SW6020	COPPER	55		0.29	2	MG/KG	55	
GS-07E-01-06	SW6020	IRON	41000		11	20	MG/KG	41000	
GS-07E-01-06	SW6020	LEAD	430		0.066	0.2	MG/KG	430	
GS-07E-01-06	SW6020	MAGNESIUM	2900		3.3	10	MG/KG	2900	
GS-07E-01-06	SW6020	MANGANESE	1200		0.38	0.75	MG/KG	1200	
GS-07E-01-06	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-07E-01-06	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-07E-01-06	SW6020	SELENIUM	3.3		0.22	1	MG/KG	3.3	
GS-07E-01-06	SW6020	SILVER	3.2		0.057	0.11	MG/KG	3.2	
GS-07E-01-06	SW6020	SODIUM	130		15	100	MG/KG	130	J+
GS-07E-01-06	SW6020	THALLIUM	0.43		0.0098	0.01	MG/KG	0.43	
GS-07E-01-06	SW6020	VANADIUM	45		0.13	0.5	MG/KG	45	
GS-07E-01-06	SW6020	ZINC	530		4.1	10	MG/KG	530	
GS-08A-00-01	SW6020	ALUMINUM	7000		6.5	15	MG/KG	7000	
GS-08A-00-01	SW6020	ANTIMONY	0.44		0.031	0.099	MG/KG	0.44	
GS-08A-00-01	SW6020	ARSENIC	25		0.049	0.2	MG/KG	25	
GS-08A-00-01	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-08A-00-01	SW6020	BERYLLIUM	0.61		0.0089	0.05	MG/KG	0.61	
GS-08A-00-01	SW6020	CADMIUM	1.1		0.038	0.2	MG/KG	1.1	
GS-08A-00-01	SW6020	CALCIUM	7200		18	99	MG/KG	7200	
GS-08A-00-01	SW6020	CHROMIUM	12		0.55	0.99	MG/KG	12	
GS-08A-00-01	SW6020	COBALT	5.9		0.043	0.5	MG/KG	5.9	
GS-08A-00-01	SW6020	COPPER	25		0.29	2	MG/KG	25	
GS-08A-00-01	SW6020	IRON	18000		11	20	MG/KG	18000	
GS-08A-00-01	SW6020	LEAD	100		0.066	0.2	MG/KG	100	
GS-08A-00-01	SW6020	MAGNESIUM	2500		3.3	9.9	MG/KG	2500	
GS-08A-00-01	SW6020	MANGANESE	490		0.38	0.75	MG/KG	490	
GS-08A-00-01	SW6020	NICKEL	12		0.44	2	MG/KG	12	
GS-08A-00-01	SW6020	POTASSIUM	2400		15	99	MG/KG	2400	
GS-08A-00-01	SW6020	SELENIUM	1.6		0.22	0.99	MG/KG	1.6	
GS-08A-00-01	SW6020	SILVER	0.72		0.057	0.11	MG/KG	0.72	
GS-08A-00-01	SW6020	SODIUM	79	J	15	99	MG/KG	99	U
GS-08A-00-01	SW6020	THALLIUM	0.23		0.0097	0.0099	MG/KG	0.23	
GS-08A-00-01	SW6020	VANADIUM	27		0.13	0.5	MG/KG	27	
GS-08A-00-01	SW6020	ZINC	210		4.1	9.9	MG/KG	210	
GS-08A-01-06	SW6020	ALUMINUM	7700		6.6	15	MG/KG	7700	
GS-08A-01-06	SW6020	ANTIMONY	0.25		0.031	0.1	MG/KG	0.25	
GS-08A-01-06	SW6020	ARSENIC	15		0.049	0.2	MG/KG	15	
GS-08A-01-06	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-08A-01-06	SW6020	BERYLLIUM	0.55		0.0091	0.05	MG/KG	0.55	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-08A-01-06	SW6020	CADMIUM	0.64		0.038	0.2	MG/KG	0.64	
GS-08A-01-06	SW6020	CALCIUM	5800		19	100	MG/KG	5800	
GS-08A-01-06	SW6020	CHROMIUM	9.9		0.56	1	MG/KG	9.9	
GS-08A-01-06	SW6020	COBALT	5.5		0.043	0.5	MG/KG	5.5	
GS-08A-01-06	SW6020	COPPER	18		0.29	2	MG/KG	18	
GS-08A-01-06	SW6020	IRON	17000		11	20	MG/KG	17000	
GS-08A-01-06	SW6020	LEAD	54		0.067	0.2	MG/KG	54	
GS-08A-01-06	SW6020	MAGNESIUM	2300		3.3	10	MG/KG	2300	
GS-08A-01-06	SW6020	MANGANESE	370		0.38	0.76	MG/KG	370	
GS-08A-01-06	SW6020	NICKEL	31		0.44	2	MG/KG	31	
GS-08A-01-06	SW6020	POTASSIUM	1800		15	100	MG/KG	1800	
GS-08A-01-06	SW6020	SELENIUM	1.6		0.22	1	MG/KG	1.6	
GS-08A-01-06	SW6020	SILVER	0.37		0.058	0.12	MG/KG	0.37	
GS-08A-01-06	SW6020	SODIUM	94	J	15	100	MG/KG	100	U
GS-08A-01-06	SW6020	THALLIUM	0.2		0.0099	0.01	MG/KG	0.2	
GS-08A-01-06	SW6020	VANADIUM	25		0.13	0.5	MG/KG	25	
GS-08A-01-06	SW6020	ZINC	120		4.1	10	MG/KG	120	
GS-08B-00-01	SW6020	ALUMINUM	7900		6.6	15	MG/KG	7900	
GS-08B-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-08B-00-01	SW6020	ARSENIC	79		0.049	0.2	MG/KG	79	
GS-08B-00-01	SW6020	BARIUM	140		0.23	0.5	MG/KG	140	
GS-08B-00-01	SW6020	BERYLLIUM	0.79		0.0091	0.05	MG/KG	0.79	
GS-08B-00-01	SW6020	CADMIUM	3.7		0.038	0.2	MG/KG	3.7	
GS-08B-00-01	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-08B-00-01	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-08B-00-01	SW6020	COBALT	6.8		0.043	0.5	MG/KG	6.8	
GS-08B-00-01	SW6020	COPPER	120		0.29	2	MG/KG	120	
GS-08B-00-01	SW6020	IRON	42000		11	20	MG/KG	42000	
GS-08B-00-01	SW6020	LEAD	440		0.067	0.2	MG/KG	440	
GS-08B-00-01	SW6020	MAGNESIUM	2700		3.3	10	MG/KG	2700	
GS-08B-00-01	SW6020	MANGANESE	770		0.38	0.76	MG/KG	770	
GS-08B-00-01	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-08B-00-01	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-08B-00-01	SW6020	SELENIUM	2.8		0.22	1	MG/KG	2.8	
GS-08B-00-01	SW6020	SILVER	3		0.057	0.11	MG/KG	3	
GS-08B-00-01	SW6020	SODIUM	490		15	100	MG/KG	490	
GS-08B-00-01	SW6020	THALLIUM	0.49		0.0099	0.01	MG/KG	0.49	
GS-08B-00-01	SW6020	VANADIUM	39		0.13	0.5	MG/KG	39	
GS-08B-00-01	SW6020	ZINC	820		4.1	10	MG/KG	820	
GS-08B-01-06	SW6020	ALUMINUM	11000		6.7	15	MG/KG	11000	
GS-08B-01-06	SW6020	ANTIMONY	1.7		0.032	0.1	MG/KG	1.7	
GS-08B-01-06	SW6020	ARSENIC	97		0.05	0.2	MG/KG	97	
GS-08B-01-06	SW6020	BARIUM	130		0.24	0.51	MG/KG	130	
GS-08B-01-06	SW6020	BERYLLIUM	1		0.0092	0.051	MG/KG	1	
GS-08B-01-06	SW6020	CADMIUM	7		0.039	0.2	MG/KG	7	
GS-08B-01-06	SW6020	CALCIUM	22000		19	100	MG/KG	22000	
GS-08B-01-06	SW6020	CHROMIUM	14		0.56	1	MG/KG	14	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-08B-01-06	SW6020	COBALT	7.9		0.044	0.51	MG/KG	7.9	
GS-08B-01-06	SW6020	COPPER	88		0.3	2	MG/KG	88	
GS-08B-01-06	SW6020	IRON	41000		11	20	MG/KG	41000	
GS-08B-01-06	SW6020	LEAD	460		0.068	0.2	MG/KG	460	
GS-08B-01-06	SW6020	MAGNESIUM	2700		3.4	10	MG/KG	2700	
GS-08B-01-06	SW6020	MANGANESE	1800		0.39	0.77	MG/KG	1800	
GS-08B-01-06	SW6020	NICKEL	35		0.45	2	MG/KG	35	
GS-08B-01-06	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-08B-01-06	SW6020	SELENIUM	3		0.23	1	MG/KG	3	
GS-08B-01-06	SW6020	SILVER	3.2		0.058	0.12	MG/KG	3.2	
GS-08B-01-06	SW6020	SODIUM	400		15	100	MG/KG	400	
GS-08B-01-06	SW6020	THALLIUM	0.5		0.01	0.01	MG/KG	0.5	
GS-08B-01-06	SW6020	VANADIUM	49		0.13	0.51	MG/KG	49	
GS-08B-01-06	SW6020	ZINC	1500		4.2	10	MG/KG	1500	
GS-08E-00-01	SW6020	ALUMINUM	7100		6.4	15	MG/KG	7100	
GS-08E-00-01	SW6020	ANTIMONY	1.1		0.031	0.099	MG/KG	1.1	
GS-08E-00-01	SW6020	ARSENIC	48		0.049	0.2	MG/KG	48	
GS-08E-00-01	SW6020	BARIUM	220		0.23	0.5	MG/KG	220	
GS-08E-00-01	SW6020	BERYLLIUM	1.1		0.0089	0.05	MG/KG	1.1	
GS-08E-00-01	SW6020	CADMIUM	2.7		0.038	0.2	MG/KG	2.7	
GS-08E-00-01	SW6020	CALCIUM	14000		18	99	MG/KG	14000	
GS-08E-00-01	SW6020	CHROMIUM	16		0.55	0.99	MG/KG	16	
GS-08E-00-01	SW6020	COBALT	6.1		0.043	0.5	MG/KG	6.1	
GS-08E-00-01	SW6020	COPPER	47		0.29	2	MG/KG	47	
GS-08E-00-01	SW6020	IRON	26000		11	20	MG/KG	26000	
GS-08E-00-01	SW6020	LEAD	190		0.065	0.2	MG/KG	190	
GS-08E-00-01	SW6020	MAGNESIUM	4400		3.3	9.9	MG/KG	4400	
GS-08E-00-01	SW6020	MANGANESE	870		0.38	0.74	MG/KG	870	
GS-08E-00-01	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-08E-00-01	SW6020	POTASSIUM	4200		15	99	MG/KG	4200	
GS-08E-00-01	SW6020	SELENIUM	2.6		0.22	0.99	MG/KG	2.6	
GS-08E-00-01	SW6020	SILVER	1.3		0.057	0.11	MG/KG	1.3	
GS-08E-00-01	SW6020	SODIUM	340		15	99	MG/KG	340	
GS-08E-00-01	SW6020	THALLIUM	0.33		0.0097	0.0099	MG/KG	0.33	
GS-08E-00-01	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-08E-00-01	SW6020	ZINC	580		4.1	9.9	MG/KG	580	
GS-08E-01-06	SW6020	ALUMINUM	8200		6.6	15	MG/KG	8200	
GS-08E-01-06	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-08E-01-06	SW6020	ARSENIC	68		0.05	0.2	MG/KG	68	
GS-08E-01-06	SW6020	BARIUM	280		0.23	0.51	MG/KG	280	
GS-08E-01-06	SW6020	BERYLLIUM	1.3		0.0091	0.051	MG/KG	1.3	
GS-08E-01-06	SW6020	CADMIUM	2.6		0.038	0.2	MG/KG	2.6	
GS-08E-01-06	SW6020	CALCIUM	8900		19	100	MG/KG	8900	
GS-08E-01-06	SW6020	CHROMIUM	15		0.56	1	MG/KG	15	
GS-08E-01-06	SW6020	COBALT	7.7		0.043	0.51	MG/KG	7.7	
GS-08E-01-06	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-08E-01-06	SW6020	IRON	32000		11	20	MG/KG	32000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-08E-01-06	SW6020	LEAD	240		0.067	0.2	MG/KG	240	
GS-08E-01-06	SW6020	MAGNESIUM	3600		3.3	10	MG/KG	3600	
GS-08E-01-06	SW6020	MANGANESE	980		0.38	0.76	MG/KG	980	
GS-08E-01-06	SW6020	NICKEL	25		0.44	2	MG/KG	25	
GS-08E-01-06	SW6020	POTASSIUM	3400		15	100	MG/KG	3400	
GS-08E-01-06	SW6020	SELENIUM	3.2		0.22	1	MG/KG	3.2	
GS-08E-01-06	SW6020	SILVER	1.8		0.058	0.12	MG/KG	1.8	
GS-08E-01-06	SW6020	SODIUM	210		15	100	MG/KG	210	J+
GS-08E-01-06	SW6020	THALLIUM	0.4		0.0099	0.01	MG/KG	0.4	
GS-08E-01-06	SW6020	VANADIUM	40		0.13	0.51	MG/KG	40	
GS-08E-01-06	SW6020	ZINC	470		4.1	10	MG/KG	470	
GS-09B-00-01	SW6020	ALUMINUM	8300		6.5	15	MG/KG	8300	
GS-09B-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-09B-00-01	SW6020	ARSENIC	79		0.049	0.2	MG/KG	79	
GS-09B-00-01	SW6020	BARIUM	250		0.23	0.5	MG/KG	250	
GS-09B-00-01	SW6020	BERYLLIUM	0.94		0.009	0.05	MG/KG	0.94	
GS-09B-00-01	SW6020	CADMIUM	5.9		0.038	0.2	MG/KG	5.9	
GS-09B-00-01	SW6020	CALCIUM	9500		19	100	MG/KG	9500	
GS-09B-00-01	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-09B-00-01	SW6020	COBALT	7.5		0.043	0.5	MG/KG	7.5	
GS-09B-00-01	SW6020	COPPER	73		0.29	2	MG/KG	73	
GS-09B-00-01	SW6020	IRON	34000		11	20	MG/KG	34000	
GS-09B-00-01	SW6020	LEAD	360		0.066	0.2	MG/KG	360	
GS-09B-00-01	SW6020	MAGNESIUM	3200		3.3	10	MG/KG	3200	
GS-09B-00-01	SW6020	MANGANESE	1000		0.38	0.75	MG/KG	1000	
GS-09B-00-01	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-09B-00-01	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-09B-00-01	SW6020	SELENIUM	2.8		0.22	1	MG/KG	2.8	
GS-09B-00-01	SW6020	SILVER	2.5		0.057	0.11	MG/KG	2.5	
GS-09B-00-01	SW6020	SODIUM	370		15	100	MG/KG	370	
GS-09B-00-01	SW6020	THALLIUM	0.45		0.0098	0.01	MG/KG	0.45	
GS-09B-00-01	SW6020	VANADIUM	43		0.13	0.5	MG/KG	43	
GS-09B-00-01	SW6020	ZINC	1200		4.1	10	MG/KG	1200	
GS-09B-01-06	SW6020	ALUMINUM	8200		6.6	15	MG/KG	8200	
GS-09B-01-06	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-09B-01-06	SW6020	ARSENIC	99		0.05	0.2	MG/KG	99	
GS-09B-01-06	SW6020	BARIUM	270		0.23	0.51	MG/KG	270	
GS-09B-01-06	SW6020	BERYLLIUM	0.93		0.0091	0.051	MG/KG	0.93	
GS-09B-01-06	SW6020	CADMIUM	5.1		0.038	0.2	MG/KG	5.1	
GS-09B-01-06	SW6020	CALCIUM	7500		19	100	MG/KG	7500	
GS-09B-01-06	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-09B-01-06	SW6020	COBALT	10		0.044	0.51	MG/KG	10	
GS-09B-01-06	SW6020	COPPER	83		0.29	2	MG/KG	83	
GS-09B-01-06	SW6020	IRON	38000		11	20	MG/KG	38000	
GS-09B-01-06	SW6020	LEAD	460		0.067	0.2	MG/KG	460	
GS-09B-01-06	SW6020	MAGNESIUM	2900		3.3	10	MG/KG	2900	
GS-09B-01-06	SW6020	MANGANESE	1400		0.38	0.76	MG/KG	1400	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-09B-01-06	SW6020	NICKEL	36		0.45	2	MG/KG	36	
GS-09B-01-06	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-09B-01-06	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-09B-01-06	SW6020	SILVER	3.3		0.058	0.12	MG/KG	3.3	
GS-09B-01-06	SW6020	SODIUM	270		15	100	MG/KG	270	
GS-09B-01-06	SW6020	THALLIUM	0.52		0.0099	0.01	MG/KG	0.52	
GS-09B-01-06	SW6020	VANADIUM	45		0.13	0.51	MG/KG	45	
GS-09B-01-06	SW6020	ZINC	950		4.2	10	MG/KG	950	
GS-09E-00-01	SW6020	ALUMINUM	7400		6.5	15	MG/KG	7400	
GS-09E-00-01	SW6020	ANTIMONY	0.9		0.031	0.1	MG/KG	0.9	
GS-09E-00-01	SW6020	ARSENIC	53		0.049	0.2	MG/KG	53	
GS-09E-00-01	SW6020	BARIUM	220		0.23	0.5	MG/KG	220	
GS-09E-00-01	SW6020	BERYLLIUM	1.2		0.009	0.05	MG/KG	1.2	
GS-09E-00-01	SW6020	CADMIUM	3.7		0.038	0.2	MG/KG	3.7	
GS-09E-00-01	SW6020	CALCIUM	17000		19	100	MG/KG	17000	
GS-09E-00-01	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-09E-00-01	SW6020	COBALT	6.2		0.043	0.5	MG/KG	6.2	
GS-09E-00-01	SW6020	COPPER	42		0.29	2	MG/KG	42	
GS-09E-00-01	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-09E-00-01	SW6020	LEAD	260		0.066	0.2	MG/KG	260	
GS-09E-00-01	SW6020	MAGNESIUM	7000		3.3	10	MG/KG	7000	
GS-09E-00-01	SW6020	MANGANESE	1000		0.38	0.75	MG/KG	1000	
GS-09E-00-01	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-09E-00-01	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-09E-00-01	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-09E-00-01	SW6020	SILVER	1.6		0.057	0.11	MG/KG	1.6	
GS-09E-00-01	SW6020	SODIUM	110		15	100	MG/KG	110	J+
GS-09E-00-01	SW6020	THALLIUM	0.36		0.0098	0.01	MG/KG	0.36	
GS-09E-00-01	SW6020	VANADIUM	32		0.13	0.5	MG/KG	32	
GS-09E-00-01	SW6020	ZINC	700		4.1	10	MG/KG	700	
GS-09E-00-06	SW7471	MERCURY	0.18		0.0046	0.037	MG/KG	0.18	
GS-09E-01-06	SW6020	ALUMINUM	7500		6.5	15	MG/KG	7500	
GS-09E-01-06	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-09E-01-06	SW6020	ARSENIC	79		0.049	0.2	MG/KG	79	
GS-09E-01-06	SW6020	BARIUM	260		0.23	0.5	MG/KG	260	
GS-09E-01-06	SW6020	BERYLLIUM	1.4		0.009	0.05	MG/KG	1.4	
GS-09E-01-06	SW6020	CADMIUM	4.6		0.038	0.2	MG/KG	4.6	
GS-09E-01-06	SW6020	CALCIUM	21000		18	100	MG/KG	21000	
GS-09E-01-06	SW6020	CHROMIUM	15		0.55	1	MG/KG	15	
GS-09E-01-06	SW6020	COBALT	6.5		0.043	0.5	MG/KG	6.5	
GS-09E-01-06	SW6020	COPPER	53		0.29	2	MG/KG	53	
GS-09E-01-06	SW6020	IRON	34000		11	20	MG/KG	34000	
GS-09E-01-06	SW6020	LEAD	380		0.066	0.2	MG/KG	380	
GS-09E-01-06	SW6020	MAGNESIUM	8900		3.3	10	MG/KG	8900	
GS-09E-01-06	SW6020	MANGANESE	1300		0.38	0.75	MG/KG	1300	
GS-09E-01-06	SW6020	NICKEL	18		0.44	2	MG/KG	18	
GS-09E-01-06	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-09E-01-06	SW6020	SELENIUM	2.9		0.22	1	MG/KG	2.9	
GS-09E-01-06	SW6020	SILVER	2.6		0.057	0.11	MG/KG	2.6	
GS-09E-01-06	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-09E-01-06	SW6020	THALLIUM	0.39		0.0098	0.01	MG/KG	0.39	
GS-09E-01-06	SW6020	VANADIUM	35		0.13	0.5	MG/KG	35	
GS-09E-01-06	SW6020	ZINC	760		4.1	10	MG/KG	760	
GS-10B-00-01	SW6020	ALUMINUM	7200		6.4	15	MG/KG	7200	
GS-10B-00-01	SW6020	ANTIMONY	1.4		0.03	0.098	MG/KG	1.4	
GS-10B-00-01	SW6020	ARSENIC	99		0.048	0.2	MG/KG	99	
GS-10B-00-01	SW6020	BARIUM	280		0.23	0.49	MG/KG	280	
GS-10B-00-01	SW6020	BERYLLIUM	0.83		0.0088	0.049	MG/KG	0.83	
GS-10B-00-01	SW6020	CADMIUM	4.8		0.037	0.2	MG/KG	4.8	
GS-10B-00-01	SW6020	CALCIUM	8500		18	98	MG/KG	8500	
GS-10B-00-01	SW6020	CHROMIUM	14		0.54	0.98	MG/KG	14	
GS-10B-00-01	SW6020	COBALT	7.7		0.042	0.49	MG/KG	7.7	
GS-10B-00-01	SW6020	COPPER	64		0.28	2	MG/KG	64	
GS-10B-00-01	SW6020	IRON	36000		11	20	MG/KG	36000	
GS-10B-00-01	SW6020	LEAD	430		0.065	0.2	MG/KG	430	
GS-10B-00-01	SW6020	MAGNESIUM	2900		3.2	9.8	MG/KG	2900	
GS-10B-00-01	SW6020	MANGANESE	1300		0.37	0.74	MG/KG	1300	
GS-10B-00-01	SW6020	NICKEL	16		0.43	2	MG/KG	16	
GS-10B-00-01	SW6020	POTASSIUM	3400		15	98	MG/KG	3400	
GS-10B-00-01	SW6020	SELENIUM	2.4		0.22	0.98	MG/KG	2.4	
GS-10B-00-01	SW6020	SILVER	3.2		0.056	0.11	MG/KG	3.2	
GS-10B-00-01	SW6020	SODIUM	200		15	98	MG/KG	200	J+
GS-10B-00-01	SW6020	THALLIUM	0.5		0.0096	0.0098	MG/KG	0.5	
GS-10B-00-01	SW6020	VANADIUM	46		0.13	0.49	MG/KG	46	
GS-10B-00-01	SW6020	ZINC	1000		4	9.8	MG/KG	1000	
GS-10B-01-06	SW6020	ALUMINUM	7400		6.5	15	MG/KG	7400	
GS-10B-01-06	SW6020	ANTIMONY	1.6		0.031	0.1	MG/KG	1.6	
GS-10B-01-06	SW6020	ARSENIC	110		0.049	0.2	MG/KG	110	
GS-10B-01-06	SW6020	BARIUM	270		0.23	0.5	MG/KG	270	
GS-10B-01-06	SW6020	BERYLLIUM	1		0.009	0.05	MG/KG	1	
GS-10B-01-06	SW6020	CADMIUM	6.5		0.038	0.2	MG/KG	6.5	
GS-10B-01-06	SW6020	CALCIUM	8600		19	100	MG/KG	8600	
GS-10B-01-06	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-10B-01-06	SW6020	COBALT	7.2		0.043	0.5	MG/KG	7.2	
GS-10B-01-06	SW6020	COPPER	86		0.29	2	MG/KG	86	
GS-10B-01-06	SW6020	IRON	45000		11	20	MG/KG	45000	
GS-10B-01-06	SW6020	LEAD	580		0.66	2	MG/KG	580	
GS-10B-01-06	SW6020	MAGNESIUM	2800		3.3	10	MG/KG	2800	
GS-10B-01-06	SW6020	MANGANESE	1500		0.38	0.75	MG/KG	1500	
GS-10B-01-06	SW6020	NICKEL	35		0.44	2	MG/KG	35	
GS-10B-01-06	SW6020	POTASSIUM	3300		15	100	MG/KG	3300	
GS-10B-01-06	SW6020	SELENIUM	2.9		0.22	1	MG/KG	2.9	
GS-10B-01-06	SW6020	SILVER	4.3		0.057	0.11	MG/KG	4.3	
GS-10B-01-06	SW6020	SODIUM	260		15	100	MG/KG	260	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-10B-01-06	SW6020	THALLIUM	0.59		0.0098	0.01	MG/KG	0.59	
GS-10B-01-06	SW6020	VANADIUM	43		0.13	0.5	MG/KG	43	
GS-10B-01-06	SW6020	ZINC	1300		4.1	10	MG/KG	1300	
GS-11B-00-01	SW6020	ALUMINUM	6400		6.5	15	MG/KG	6400	
GS-11B-00-01	SW6020	ANTIMONY	1.6		0.031	0.1	MG/KG	1.6	
GS-11B-00-01	SW6020	ARSENIC	95		0.049	0.2	MG/KG	95	
GS-11B-00-01	SW6020	BARIUM	270		0.23	0.5	MG/KG	270	
GS-11B-00-01	SW6020	BERYLLIUM	0.79		0.009	0.05	MG/KG	0.79	
GS-11B-00-01	SW6020	CADMIUM	4.3		0.038	0.2	MG/KG	4.3	
GS-11B-00-01	SW6020	CALCIUM	8300		19	100	MG/KG	8300	
GS-11B-00-01	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-11B-00-01	SW6020	COBALT	6.2		0.043	0.5	MG/KG	6.2	
GS-11B-00-01	SW6020	COPPER	73		0.29	2	MG/KG	73	
GS-11B-00-01	SW6020	IRON	35000		11	20	MG/KG	35000	
GS-11B-00-01	SW6020	LEAD	490		0.066	0.2	MG/KG	490	
GS-11B-00-01	SW6020	MAGNESIUM	2600		3.3	10	MG/KG	2600	
GS-11B-00-01	SW6020	MANGANESE	960		0.38	0.75	MG/KG	960	
GS-11B-00-01	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-11B-00-01	SW6020	POTASSIUM	3100		15	100	MG/KG	3100	
GS-11B-00-01	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-11B-00-01	SW6020	SILVER	3.4		0.057	0.11	MG/KG	3.4	
GS-11B-00-01	SW6020	SODIUM	220		15	100	MG/KG	220	
GS-11B-00-01	SW6020	THALLIUM	0.51		0.0098	0.01	MG/KG	0.51	
GS-11B-00-01	SW6020	VANADIUM	40		0.13	0.5	MG/KG	40	
GS-11B-00-01	SW6020	ZINC	910		4.1	10	MG/KG	910	
GS-11B-00-01-DUP	SW6020	ALUMINUM	6300		6.4	15	MG/KG	6300	
GS-11B-00-01-DUP	SW6020	ANTIMONY	1.8		0.031	0.099	MG/KG	1.8	
GS-11B-00-01-DUP	SW6020	ARSENIC	96		0.048	0.2	MG/KG	96	
GS-11B-00-01-DUP	SW6020	BARIUM	260		0.23	0.49	MG/KG	260	
GS-11B-00-01-DUP	SW6020	BERYLLIUM	0.79		0.0089	0.049	MG/KG	0.79	
GS-11B-00-01-DUP	SW6020	CADMIUM	4.2		0.038	0.2	MG/KG	4.2	
GS-11B-00-01-DUP	SW6020	CALCIUM	8200		18	99	MG/KG	8200	
GS-11B-00-01-DUP	SW6020	CHROMIUM	11		0.54	0.99	MG/KG	11	
GS-11B-00-01-DUP	SW6020	COBALT	6.2		0.042	0.49	MG/KG	6.2	
GS-11B-00-01-DUP	SW6020	COPPER	72		0.29	2	MG/KG	72	
GS-11B-00-01-DUP	SW6020	IRON	35000		11	20	MG/KG	35000	
GS-11B-00-01-DUP	SW6020	LEAD	490		0.065	0.2	MG/KG	490	
GS-11B-00-01-DUP	SW6020	MAGNESIUM	2600		3.3	9.9	MG/KG	2600	
GS-11B-00-01-DUP	SW6020	MANGANESE	940		0.38	0.74	MG/KG	940	
GS-11B-00-01-DUP	SW6020	NICKEL	14		0.43	2	MG/KG	14	
GS-11B-00-01-DUP	SW6020	POTASSIUM	3100		15	99	MG/KG	3100	
GS-11B-00-01-DUP	SW6020	SELENIUM	2.3		0.22	0.99	MG/KG	2.3	
GS-11B-00-01-DUP	SW6020	SILVER	3.4		0.056	0.11	MG/KG	3.4	
GS-11B-00-01-DUP	SW6020	SODIUM	220		15	99	MG/KG	220	
GS-11B-00-01-DUP	SW6020	THALLIUM	0.51		0.0097	0.0099	MG/KG	0.51	
GS-11B-00-01-DUP	SW6020	VANADIUM	40		0.13	0.49	MG/KG	40	
GS-11B-00-01-DUP	SW6020	ZINC	930		4	9.9	MG/KG	930	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-11B-00-01-TRI	SW6020	ALUMINUM	6400		6.5	15	MG/KG	6400	
GS-11B-00-01-TRI	SW6020	ANTIMONY	2		0.031	0.1	MG/KG	2	
GS-11B-00-01-TRI	SW6020	ARSENIC	96		0.049	0.2	MG/KG	96	
GS-11B-00-01-TRI	SW6020	BARIUM	260		0.23	0.5	MG/KG	260	
GS-11B-00-01-TRI	SW6020	BERYLLIUM	0.79		0.0091	0.05	MG/KG	0.79	
GS-11B-00-01-TRI	SW6020	CADMIUM	4.3		0.038	0.2	MG/KG	4.3	
GS-11B-00-01-TRI	SW6020	CALCIUM	8200		19	100	MG/KG	8200	
GS-11B-00-01-TRI	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-11B-00-01-TRI	SW6020	COBALT	6.4		0.043	0.5	MG/KG	6.4	
GS-11B-00-01-TRI	SW6020	COPPER	74		0.29	2	MG/KG	74	
GS-11B-00-01-TRI	SW6020	IRON	36000		11	20	MG/KG	36000	
GS-11B-00-01-TRI	SW6020	LEAD	490		0.066	0.2	MG/KG	490	
GS-11B-00-01-TRI	SW6020	MAGNESIUM	2700		3.3	10	MG/KG	2700	
GS-11B-00-01-TRI	SW6020	MANGANESE	940		0.38	0.76	MG/KG	940	
GS-11B-00-01-TRI	SW6020	NICKEL	14		0.44	2	MG/KG	14	
GS-11B-00-01-TRI	SW6020	POTASSIUM	3100		15	100	MG/KG	3100	
GS-11B-00-01-TRI	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-11B-00-01-TRI	SW6020	SILVER	3.4		0.057	0.11	MG/KG	3.4	
GS-11B-00-01-TRI	SW6020	SODIUM	220		15	100	MG/KG	220	
GS-11B-00-01-TRI	SW6020	THALLIUM	0.51		0.0099	0.01	MG/KG	0.51	
GS-11B-00-01-TRI	SW6020	VANADIUM	40		0.13	0.5	MG/KG	40	
GS-11B-00-01-TRI	SW6020	ZINC	940		4.1	10	MG/KG	940	
GS-11B-01-06	SW6020	ALUMINUM	7500		6.4	15	MG/KG	7500	
GS-11B-01-06	SW6020	ANTIMONY	2.1		0.031	0.099	MG/KG	2.1	
GS-11B-01-06	SW6020	ARSENIC	120		0.049	0.2	MG/KG	120	
GS-11B-01-06	SW6020	BARIUM	290		0.23	0.5	MG/KG	290	
GS-11B-01-06	SW6020	BERYLLIUM	0.97		0.0089	0.05	MG/KG	0.97	
GS-11B-01-06	SW6020	CADMIUM	5.2		0.038	0.2	MG/KG	5.2	
GS-11B-01-06	SW6020	CALCIUM	8700		18	99	MG/KG	8700	
GS-11B-01-06	SW6020	CHROMIUM	12		0.55	0.99	MG/KG	12	
GS-11B-01-06	SW6020	COBALT	6.8		0.043	0.5	MG/KG	6.8	
GS-11B-01-06	SW6020	COPPER	87		0.29	2	MG/KG	87	
GS-11B-01-06	SW6020	IRON	44000		11	20	MG/KG	44000	
GS-11B-01-06	SW6020	LEAD	610		0.65	2	MG/KG	610	
GS-11B-01-06	SW6020	MAGNESIUM	3200		3.3	9.9	MG/KG	3200	
GS-11B-01-06	SW6020	MANGANESE	1100		0.38	0.74	MG/KG	1100	
GS-11B-01-06	SW6020	NICKEL	45		0.44	2	MG/KG	45	
GS-11B-01-06	SW6020	POTASSIUM	3200		15	99	MG/KG	3200	
GS-11B-01-06	SW6020	SELENIUM	3		0.22	0.99	MG/KG	3	
GS-11B-01-06	SW6020	SILVER	4.5		0.057	0.11	MG/KG	4.5	
GS-11B-01-06	SW6020	SODIUM	290		15	99	MG/KG	290	
GS-11B-01-06	SW6020	THALLIUM	0.62		0.0097	0.0099	MG/KG	0.62	
GS-11B-01-06	SW6020	VANADIUM	43		0.13	0.5	MG/KG	43	
GS-11B-01-06	SW6020	ZINC	1100		4.1	9.9	MG/KG	1100	
GS-11B-01-06-DUP	SW6020	ALUMINUM	7300		6.5	15	MG/KG	7300	
GS-11B-01-06-DUP	SW6020	ANTIMONY	1.5		0.031	0.1	MG/KG	1.5	
GS-11B-01-06-DUP	SW6020	ARSENIC	110		0.049	0.2	MG/KG	110	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-11B-01-06-DUP	SW6020	BARIUM	310		0.23	0.5	MG/KG	310	
GS-11B-01-06-DUP	SW6020	BERYLLIUM	0.93		0.009	0.05	MG/KG	0.93	
GS-11B-01-06-DUP	SW6020	CADMIUM	5		0.038	0.2	MG/KG	5	
GS-11B-01-06-DUP	SW6020	CALCIUM	8500		19	100	MG/KG	8500	
GS-11B-01-06-DUP	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-11B-01-06-DUP	SW6020	COBALT	6.7		0.043	0.5	MG/KG	6.7	
GS-11B-01-06-DUP	SW6020	COPPER	90		0.29	2	MG/KG	90	
GS-11B-01-06-DUP	SW6020	IRON	43000		11	20	MG/KG	43000	
GS-11B-01-06-DUP	SW6020	LEAD	590		0.66	2	MG/KG	590	
GS-11B-01-06-DUP	SW6020	MAGNESIUM	3100		3.3	10	MG/KG	3100	
GS-11B-01-06-DUP	SW6020	MANGANESE	1000		0.38	0.75	MG/KG	1000	
GS-11B-01-06-DUP	SW6020	NICKEL	47		0.44	2	MG/KG	47	
GS-11B-01-06-DUP	SW6020	POTASSIUM	3100		15	100	MG/KG	3100	
GS-11B-01-06-DUP	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-11B-01-06-DUP	SW6020	SILVER	4.3		0.057	0.11	MG/KG	4.3	
GS-11B-01-06-DUP	SW6020	SODIUM	280		15	100	MG/KG	280	
GS-11B-01-06-DUP	SW6020	THALLIUM	0.59		0.0099	0.01	MG/KG	0.59	
GS-11B-01-06-DUP	SW6020	VANADIUM	43		0.13	0.5	MG/KG	43	
GS-11B-01-06-DUP	SW6020	ZINC	1000		4.1	10	MG/KG	1000	
GS-11B-01-06-TRI	SW6020	ALUMINUM	7100		6.4	15	MG/KG	7100	
GS-11B-01-06-TRI	SW6020	ANTIMONY	2.1		0.031	0.099	MG/KG	2.1	
GS-11B-01-06-TRI	SW6020	ARSENIC	110		0.049	0.2	MG/KG	110	
GS-11B-01-06-TRI	SW6020	BARIUM	290		0.23	0.5	MG/KG	290	
GS-11B-01-06-TRI	SW6020	BERYLLIUM	0.92		0.0089	0.05	MG/KG	0.92	
GS-11B-01-06-TRI	SW6020	CADMIUM	5.1		0.038	0.2	MG/KG	5.1	
GS-11B-01-06-TRI	SW6020	CALCIUM	8500		18	99	MG/KG	8500	
GS-11B-01-06-TRI	SW6020	CHROMIUM	11		0.54	0.99	MG/KG	11	
GS-11B-01-06-TRI	SW6020	COBALT	6.6		0.043	0.5	MG/KG	6.6	
GS-11B-01-06-TRI	SW6020	COPPER	84		0.29	2	MG/KG	84	
GS-11B-01-06-TRI	SW6020	IRON	43000		11	20	MG/KG	43000	
GS-11B-01-06-TRI	SW6020	LEAD	600		0.65	2	MG/KG	600	
GS-11B-01-06-TRI	SW6020	MAGNESIUM	3100		3.3	9.9	MG/KG	3100	
GS-11B-01-06-TRI	SW6020	MANGANESE	1000		0.38	0.74	MG/KG	1000	
GS-11B-01-06-TRI	SW6020	NICKEL	48		0.44	2	MG/KG	48	
GS-11B-01-06-TRI	SW6020	POTASSIUM	3100		15	99	MG/KG	3100	
GS-11B-01-06-TRI	SW6020	SELENIUM	2.9		0.22	0.99	MG/KG	2.9	
GS-11B-01-06-TRI	SW6020	SILVER	4.3		0.056	0.11	MG/KG	4.3	
GS-11B-01-06-TRI	SW6020	SODIUM	280		15	99	MG/KG	280	
GS-11B-01-06-TRI	SW6020	THALLIUM	0.58		0.0097	0.0099	MG/KG	0.58	
GS-11B-01-06-TRI	SW6020	VANADIUM	42		0.13	0.5	MG/KG	42	
GS-11B-01-06-TRI	SW6020	ZINC	1100		4.1	9.9	MG/KG	1100	
GS-11D-00-01	SW6020	ALUMINUM	6000		6.5	15	MG/KG	6000	
GS-11D-00-01	SW6020	ANTIMONY	0.9		0.031	0.1	MG/KG	0.9	
GS-11D-00-01	SW6020	ARSENIC	25		0.049	0.2	MG/KG	25	
GS-11D-00-01	SW6020	BARIUM	160		0.23	0.5	MG/KG	160	
GS-11D-00-01	SW6020	BERYLLIUM	0.85		0.009	0.05	MG/KG	0.85	
GS-11D-00-01	SW6020	CADMIUM	1.1		0.038	0.2	MG/KG	1.1	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-11D-00-01	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-11D-00-01	SW6020	CHROMIUM	9.3		0.55	1	MG/KG	9.3	
GS-11D-00-01	SW6020	COBALT	4.7		0.043	0.5	MG/KG	4.7	
GS-11D-00-01	SW6020	COPPER	33		0.29	2	MG/KG	33	
GS-11D-00-01	SW6020	IRON	16000		11	20	MG/KG	16000	
GS-11D-00-01	SW6020	LEAD	92		0.066	0.2	MG/KG	92	
GS-11D-00-01	SW6020	MAGNESIUM	4200		3.3	10	MG/KG	4200	
GS-11D-00-01	SW6020	MANGANESE	510		0.38	0.75	MG/KG	510	
GS-11D-00-01	SW6020	NICKEL	16		0.44	2	MG/KG	16	
GS-11D-00-01	SW6020	POTASSIUM	1800		15	100	MG/KG	1800	
GS-11D-00-01	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-11D-00-01	SW6020	SILVER	0.64		0.057	0.11	MG/KG	0.64	
GS-11D-00-01	SW6020	SODIUM	95	J	15	100	MG/KG	100	U
GS-11D-00-01	SW6020	THALLIUM	0.24		0.0098	0.01	MG/KG	0.24	
GS-11D-00-01	SW6020	VANADIUM	22		0.13	0.5	MG/KG	22	
GS-11D-00-01	SW6020	ZINC	470		4.1	10	MG/KG	470	
GS-11D-01-06	SW6020	ALUMINUM	6400		6.5	15	MG/KG	6400	
GS-11D-01-06	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-11D-01-06	SW6020	ARSENIC	33		0.049	0.2	MG/KG	33	
GS-11D-01-06	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-11D-01-06	SW6020	BERYLLIUM	1		0.009	0.05	MG/KG	1	
GS-11D-01-06	SW6020	CADMIUM	1.5		0.038	0.2	MG/KG	1.5	
GS-11D-01-06	SW6020	CALCIUM	19000		18	100	MG/KG	19000	
GS-11D-01-06	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-11D-01-06	SW6020	COBALT	5.2		0.043	0.5	MG/KG	5.2	
GS-11D-01-06	SW6020	COPPER	37		0.29	2	MG/KG	37	
GS-11D-01-06	SW6020	IRON	20000		11	20	MG/KG	20000	
GS-11D-01-06	SW6020	LEAD	150		0.066	0.2	MG/KG	150	
GS-11D-01-06	SW6020	MAGNESIUM	6800		3.3	10	MG/KG	6800	
GS-11D-01-06	SW6020	MANGANESE	620		0.38	0.75	MG/KG	620	
GS-11D-01-06	SW6020	NICKEL	29		0.44	2	MG/KG	29	
GS-11D-01-06	SW6020	POTASSIUM	1900		15	100	MG/KG	1900	
GS-11D-01-06	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-11D-01-06	SW6020	SILVER	2.1		0.057	0.11	MG/KG	2.1	
GS-11D-01-06	SW6020	SODIUM	130		15	100	MG/KG	130	J+
GS-11D-01-06	SW6020	THALLIUM	0.28		0.0098	0.01	MG/KG	0.28	
GS-11D-01-06	SW6020	VANADIUM	27		0.13	0.5	MG/KG	27	
GS-11D-01-06	SW6020	ZINC	400		4.1	10	MG/KG	400	
GS-12B-00-01	SW6020	ALUMINUM	6500		6.5	15	MG/KG	6500	
GS-12B-00-01	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-12B-00-01	SW6020	ARSENIC	63		0.049	0.2	MG/KG	63	
GS-12B-00-01	SW6020	BARIUM	240		0.23	0.5	MG/KG	240	
GS-12B-00-01	SW6020	BERYLLIUM	0.84		0.009	0.05	MG/KG	0.84	
GS-12B-00-01	SW6020	CADMIUM	2.5		0.038	0.2	MG/KG	2.5	
GS-12B-00-01	SW6020	CALCIUM	8300		18	100	MG/KG	8300	
GS-12B-00-01	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-12B-00-01	SW6020	COBALT	5.7		0.043	0.5	MG/KG	5.7	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-12B-00-01	SW6020	COPPER	49		0.29	2	MG/KG	49	
GS-12B-00-01	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-12B-00-01	SW6020	LEAD	340		0.066	0.2	MG/KG	340	
GS-12B-00-01	SW6020	MAGNESIUM	2500		3.3	10	MG/KG	2500	
GS-12B-00-01	SW6020	MANGANESE	710		0.38	0.75	MG/KG	710	
GS-12B-00-01	SW6020	NICKEL	13		0.44	2	MG/KG	13	
GS-12B-00-01	SW6020	POTASSIUM	3300		15	100	MG/KG	3300	
GS-12B-00-01	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-12B-00-01	SW6020	SILVER	2.4		0.057	0.11	MG/KG	2.4	
GS-12B-00-01	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-12B-00-01	SW6020	THALLIUM	0.41		0.0098	0.01	MG/KG	0.41	
GS-12B-00-01	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-12B-00-01	SW6020	ZINC	600		4.1	10	MG/KG	600	
GS-12B-01-06	SW6020	ALUMINUM	6900		6.4	15	MG/KG	6900	
GS-12B-01-06	SW6020	ANTIMONY	1.4		0.03	0.098	MG/KG	1.4	
GS-12B-01-06	SW6020	ARSENIC	92		0.048	0.2	MG/KG	92	
GS-12B-01-06	SW6020	BARIUM	290		0.23	0.49	MG/KG	290	
GS-12B-01-06	SW6020	BERYLLIUM	0.84		0.0088	0.049	MG/KG	0.84	
GS-12B-01-06	SW6020	CADMIUM	3.2		0.037	0.2	MG/KG	3.2	
GS-12B-01-06	SW6020	CALCIUM	7900		18	98	MG/KG	7900	
GS-12B-01-06	SW6020	CHROMIUM	12		0.54	0.98	MG/KG	12	
GS-12B-01-06	SW6020	COBALT	6.2		0.042	0.49	MG/KG	6.2	
GS-12B-01-06	SW6020	COPPER	64		0.28	2	MG/KG	64	
GS-12B-01-06	SW6020	IRON	39000		11	20	MG/KG	39000	
GS-12B-01-06	SW6020	LEAD	570		0.65	2	MG/KG	570	
GS-12B-01-06	SW6020	MAGNESIUM	2700		3.2	9.8	MG/KG	2700	
GS-12B-01-06	SW6020	MANGANESE	860		0.37	0.73	MG/KG	860	
GS-12B-01-06	SW6020	NICKEL	30		0.43	2	MG/KG	30	
GS-12B-01-06	SW6020	POTASSIUM	3100		15	98	MG/KG	3100	
GS-12B-01-06	SW6020	SELENIUM	2.6		0.22	0.98	MG/KG	2.6	
GS-12B-01-06	SW6020	SILVER	4.1		0.056	0.11	MG/KG	4.1	
GS-12B-01-06	SW6020	SODIUM	240		15	98	MG/KG	240	
GS-12B-01-06	SW6020	THALLIUM	0.55		0.0096	0.0098	MG/KG	0.55	
GS-12B-01-06	SW6020	VANADIUM	40		0.13	0.49	MG/KG	40	
GS-12B-01-06	SW6020	ZINC	680		4	9.8	MG/KG	680	
GS-12D-00-01	SW6020	ALUMINUM	9800		6.6	15	MG/KG	9800	
GS-12D-00-01	SW6020	ANTIMONY	0.87		0.031	0.1	MG/KG	0.87	
GS-12D-00-01	SW6020	ARSENIC	37		0.049	0.2	MG/KG	37	
GS-12D-00-01	SW6020	BARIUM	250		0.23	0.5	MG/KG	250	
GS-12D-00-01	SW6020	BERYLLIUM	1.2		0.0091	0.05	MG/KG	1.2	
GS-12D-00-01	SW6020	CADMIUM	4.3		0.038	0.2	MG/KG	4.3	
GS-12D-00-01	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-12D-00-01	SW6020	CHROMIUM	15		0.56	1	MG/KG	15	
GS-12D-00-01	SW6020	COBALT	5.2		0.043	0.5	MG/KG	5.2	
GS-12D-00-01	SW6020	COPPER	39		0.29	2	MG/KG	39	
GS-12D-00-01	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-12D-00-01	SW6020	LEAD	180		0.067	0.2	MG/KG	180	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-12D-00-01	SW6020	MAGNESIUM	3800		3.3	10	MG/KG	3800	
GS-12D-00-01	SW6020	MANGANESE	820		0.38	0.76	MG/KG	820	
GS-12D-00-01	SW6020	NICKEL	29		0.44	2	MG/KG	29	
GS-12D-00-01	SW6020	POTASSIUM	3400		15	100	MG/KG	3400	
GS-12D-00-01	SW6020	SELENIUM	4.6		0.22	1	MG/KG	4.6	
GS-12D-00-01	SW6020	SILVER	1.2		0.058	0.12	MG/KG	1.2	
GS-12D-00-01	SW6020	SODIUM	210		15	100	MG/KG	210	J+
GS-12D-00-01	SW6020	THALLIUM	0.44		0.0099	0.01	MG/KG	0.44	
GS-12D-00-01	SW6020	VANADIUM	33		0.13	0.5	MG/KG	33	
GS-12D-00-01	SW6020	ZINC	420		4.1	10	MG/KG	420	
GS-12D-01-06	SW6020	ALUMINUM	8300		6.6	15	MG/KG	8300	
GS-12D-01-06	SW6020	ANTIMONY	1		0.031	0.1	MG/KG	1	
GS-12D-01-06	SW6020	ARSENIC	43		0.049	0.2	MG/KG	43	
GS-12D-01-06	SW6020	BARIUM	240		0.23	0.5	MG/KG	240	
GS-12D-01-06	SW6020	BERYLLIUM	1.1		0.0091	0.05	MG/KG	1.1	
GS-12D-01-06	SW6020	CADMIUM	2.7		0.038	0.2	MG/KG	2.7	
GS-12D-01-06	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-12D-01-06	SW6020	CHROMIUM	14		0.55	1	MG/KG	14	
GS-12D-01-06	SW6020	COBALT	6.5		0.043	0.5	MG/KG	6.5	
GS-12D-01-06	SW6020	COPPER	45		0.29	2	MG/KG	45	
GS-12D-01-06	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-12D-01-06	SW6020	LEAD	240		0.067	0.2	MG/KG	240	
GS-12D-01-06	SW6020	MAGNESIUM	4700		3.3	10	MG/KG	4700	
GS-12D-01-06	SW6020	MANGANESE	720		0.38	0.76	MG/KG	720	
GS-12D-01-06	SW6020	NICKEL	35		0.44	2	MG/KG	35	
GS-12D-01-06	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-12D-01-06	SW6020	SELENIUM	2.9		0.22	1	MG/KG	2.9	
GS-12D-01-06	SW6020	SILVER	2.4		0.057	0.11	MG/KG	2.4	
GS-12D-01-06	SW6020	SODIUM	220		15	100	MG/KG	220	
GS-12D-01-06	SW6020	THALLIUM	0.38		0.0099	0.01	MG/KG	0.38	
GS-12D-01-06	SW6020	VANADIUM	35		0.13	0.5	MG/KG	35	
GS-12D-01-06	SW6020	ZINC	370		4.1	10	MG/KG	370	
GS-13B-00-01	SW6020	ALUMINUM	6400		6.4	15	MG/KG	6400	
GS-13B-00-01	SW6020	ANTIMONY	1.5		0.031	0.099	MG/KG	1.5	
GS-13B-00-01	SW6020	ARSENIC	60		0.048	0.2	MG/KG	60	
GS-13B-00-01	SW6020	BARIUM	200		0.23	0.49	MG/KG	200	
GS-13B-00-01	SW6020	BERYLLIUM	0.67		0.0089	0.049	MG/KG	0.67	
GS-13B-00-01	SW6020	CADMIUM	2.3		0.037	0.2	MG/KG	2.3	
GS-13B-00-01	SW6020	CALCIUM	11000		18	99	MG/KG	11000	
GS-13B-00-01	SW6020	CHROMIUM	12		0.54	0.99	MG/KG	12	
GS-13B-00-01	SW6020	COBALT	7		0.042	0.49	MG/KG	7	
GS-13B-00-01	SW6020	COPPER	46		0.29	2	MG/KG	46	
GS-13B-00-01	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-13B-00-01	SW6020	LEAD	290		0.065	0.2	MG/KG	290	
GS-13B-00-01	SW6020	MAGNESIUM	3100		3.3	9.9	MG/KG	3100	
GS-13B-00-01	SW6020	MANGANESE	730		0.37	0.74	MG/KG	730	
GS-13B-00-01	SW6020	NICKEL	17		0.43	2	MG/KG	17	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-13B-00-01	SW6020	POTASSIUM	3300		15	99	MG/KG	3300	
GS-13B-00-01	SW6020	SELENIUM	2.1		0.22	0.99	MG/KG	2.1	
GS-13B-00-01	SW6020	SILVER	1.9		0.056	0.11	MG/KG	1.9	
GS-13B-00-01	SW6020	SODIUM	160		15	99	MG/KG	160	J+
GS-13B-00-01	SW6020	THALLIUM	0.35		0.0097	0.0099	MG/KG	0.35	
GS-13B-00-01	SW6020	VANADIUM	38		0.13	0.49	MG/KG	38	
GS-13B-00-01	SW6020	ZINC	630		4	9.9	MG/KG	630	
GS-13B-00-06	SW7471	MERCURY	0.4		0.0045	0.036	MG/KG	0.4	
GS-13B-01-06	SW6020	ALUMINUM	7200		6.5	15	MG/KG	7200	
GS-13B-01-06	SW6020	ANTIMONY	1		0.031	0.1	MG/KG	1	
GS-13B-01-06	SW6020	ARSENIC	72		0.049	0.2	MG/KG	72	
GS-13B-01-06	SW6020	BARIUM	290		0.23	0.5	MG/KG	290	
GS-13B-01-06	SW6020	BERYLLIUM	0.74		0.009	0.05	MG/KG	0.74	
GS-13B-01-06	SW6020	CADMIUM	2.8		0.038	0.2	MG/KG	2.8	
GS-13B-01-06	SW6020	CALCIUM	8800		19	100	MG/KG	8800	
GS-13B-01-06	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-13B-01-06	SW6020	COBALT	7.8		0.043	0.5	MG/KG	7.8	
GS-13B-01-06	SW6020	COPPER	60		0.29	2	MG/KG	60	
GS-13B-01-06	SW6020	IRON	37000		11	20	MG/KG	37000	
GS-13B-01-06	SW6020	LEAD	490		0.066	0.2	MG/KG	490	
GS-13B-01-06	SW6020	MAGNESIUM	3400		3.3	10	MG/KG	3400	
GS-13B-01-06	SW6020	MANGANESE	890		0.38	0.75	MG/KG	890	
GS-13B-01-06	SW6020	NICKEL	72		0.44	2	MG/KG	72	
GS-13B-01-06	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-13B-01-06	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-13B-01-06	SW6020	SILVER	3.1		0.057	0.11	MG/KG	3.1	
GS-13B-01-06	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-13B-01-06	SW6020	THALLIUM	0.47		0.0098	0.01	MG/KG	0.47	
GS-13B-01-06	SW6020	VANADIUM	40		0.13	0.5	MG/KG	40	
GS-13B-01-06	SW6020	ZINC	590		4.1	10	MG/KG	590	
GS-13D-00-01	SW6020	ALUMINUM	7500		6.6	15	MG/KG	7500	
GS-13D-00-01	SW6020	ANTIMONY	1.3	N	0.032	0.1	MG/KG	1.3	J
GS-13D-00-01	SW6020	ARSENIC	61		0.05	0.2	MG/KG	61	
GS-13D-00-01	SW6020	BARIUM	250		0.23	0.51	MG/KG	250	
GS-13D-00-01	SW6020	BERYLLIUM	0.96		0.0092	0.051	MG/KG	0.96	
GS-13D-00-01	SW6020	CADMIUM	2.3		0.039	0.2	MG/KG	2.3	
GS-13D-00-01	SW6020	CALCIUM	20000		19	100	MG/KG	20000	
GS-13D-00-01	SW6020	CHROMIUM	16		0.56	1	MG/KG	16	
GS-13D-00-01	SW6020	COBALT	6.8		0.044	0.51	MG/KG	6.8	
GS-13D-00-01	SW6020	COPPER	55		0.3	2	MG/KG	55	
GS-13D-00-01	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-13D-00-01	SW6020	LEAD	290		0.067	0.2	MG/KG	290	
GS-13D-00-01	SW6020	MAGNESIUM	4200		3.4	10	MG/KG	4200	
GS-13D-00-01	SW6020	MANGANESE	690		0.39	0.76	MG/KG	690	
GS-13D-00-01	SW6020	NICKEL	19		0.45	2	MG/KG	19	
GS-13D-00-01	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-13D-00-01	SW6020	SELENIUM	2.6		0.23	1	MG/KG	2.6	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-13D-00-01	SW6020	SILVER	2		0.058	0.12	MG/KG	2	
GS-13D-00-01	SW6020	SODIUM	250		15	100	MG/KG	250	
GS-13D-00-01	SW6020	THALLIUM	0.38		0.01	0.01	MG/KG	0.38	
GS-13D-00-01	SW6020	VANADIUM	35		0.13	0.51	MG/KG	35	
GS-13D-00-01	SW6020	ZINC	520		4.2	10	MG/KG	520	
GS-13D-01-06	SW6020	ALUMINUM	7300		6.6	15	MG/KG	7300	
GS-13D-01-06	SW6020	ANTIMONY	1	N	0.031	0.1	MG/KG	1	J
GS-13D-01-06	SW6020	ARSENIC	52		0.049	0.2	MG/KG	52	
GS-13D-01-06	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-13D-01-06	SW6020	BERYLLIUM	1.2		0.0091	0.05	MG/KG	1.2	
GS-13D-01-06	SW6020	CADMIUM	2		0.038	0.2	MG/KG	2	
GS-13D-01-06	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-13D-01-06	SW6020	CHROMIUM	14		0.56	1	MG/KG	14	
GS-13D-01-06	SW6020	COBALT	7.1		0.043	0.5	MG/KG	7.1	
GS-13D-01-06	SW6020	COPPER	45		0.29	2	MG/KG	45	
GS-13D-01-06	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-13D-01-06	SW6020	LEAD	230		0.067	0.2	MG/KG	230	
GS-13D-01-06	SW6020	MAGNESIUM	3800		3.3	10	MG/KG	3800	
GS-13D-01-06	SW6020	MANGANESE	800		0.38	0.76	MG/KG	800	
GS-13D-01-06	SW6020	NICKEL	23		0.44	2	MG/KG	23	
GS-13D-01-06	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-13D-01-06	SW6020	SELENIUM	2.9		0.22	1	MG/KG	2.9	
GS-13D-01-06	SW6020	SILVER	1.5		0.058	0.12	MG/KG	1.5	
GS-13D-01-06	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-13D-01-06	SW6020	THALLIUM	0.38		0.0099	0.01	MG/KG	0.38	
GS-13D-01-06	SW6020	VANADIUM	31		0.13	0.5	MG/KG	31	
GS-13D-01-06	SW6020	ZINC	400		4.1	10	MG/KG	400	
GS-14B-00-01	SW6020	ALUMINUM	6000		6.5	15	MG/KG	6000	
GS-14B-00-01	SW6020	ANTIMONY	1.4		0.031	0.1	MG/KG	1.4	
GS-14B-00-01	SW6020	ARSENIC	68		0.049	0.2	MG/KG	68	
GS-14B-00-01	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-14B-00-01	SW6020	BERYLLIUM	0.7		0.009	0.05	MG/KG	0.7	
GS-14B-00-01	SW6020	CADMIUM	2.3		0.038	0.2	MG/KG	2.3	
GS-14B-00-01	SW6020	CALCIUM	9400		18	100	MG/KG	9400	
GS-14B-00-01	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-14B-00-01	SW6020	COBALT	6.5		0.043	0.5	MG/KG	6.5	
GS-14B-00-01	SW6020	COPPER	56		0.29	2	MG/KG	56	
GS-14B-00-01	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-14B-00-01	SW6020	LEAD	330		0.066	0.2	MG/KG	330	
GS-14B-00-01	SW6020	MAGNESIUM	3300		3.3	10	MG/KG	3300	
GS-14B-00-01	SW6020	MANGANESE	750		0.38	0.75	MG/KG	750	
GS-14B-00-01	SW6020	NICKEL	18		0.44	2	MG/KG	18	
GS-14B-00-01	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-14B-00-01	SW6020	SELENIUM	2.2		0.22	1	MG/KG	2.2	
GS-14B-00-01	SW6020	SILVER	2.4		0.057	0.11	MG/KG	2.4	
GS-14B-00-01	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-14B-00-01	SW6020	THALLIUM	0.38		0.0098	0.01	MG/KG	0.38	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-14B-00-01	SW6020	VANADIUM	35		0.13	0.5	MG/KG	35	
GS-14B-00-01	SW6020	ZINC	530		4.1	10	MG/KG	530	
GS-14B-00-01-DUP	SW6020	ALUMINUM	6600		6.7	15	MG/KG	6600	
GS-14B-00-01-DUP	SW6020	ANTIMONY	1.4		0.032	0.1	MG/KG	1.4	
GS-14B-00-01-DUP	SW6020	ARSENIC	72		0.05	0.21	MG/KG	72	
GS-14B-00-01-DUP	SW6020	BARIUM	200		0.24	0.51	MG/KG	200	
GS-14B-00-01-DUP	SW6020	BERYLLIUM	0.71		0.0093	0.051	MG/KG	0.71	
GS-14B-00-01-DUP	SW6020	CADMIUM	2.4		0.039	0.21	MG/KG	2.4	
GS-14B-00-01-DUP	SW6020	CALCIUM	8700		19	100	MG/KG	8700	
GS-14B-00-01-DUP	SW6020	CHROMIUM	12		0.57	1	MG/KG	12	
GS-14B-00-01-DUP	SW6020	COBALT	7		0.044	0.51	MG/KG	7	
GS-14B-00-01-DUP	SW6020	COPPER	64		0.3	2.1	MG/KG	64	
GS-14B-00-01-DUP	SW6020	IRON	34000		11	21	MG/KG	34000	
GS-14B-00-01-DUP	SW6020	LEAD	450		0.068	0.21	MG/KG	450	
GS-14B-00-01-DUP	SW6020	MAGNESIUM	3100		3.4	10	MG/KG	3100	
GS-14B-00-01-DUP	SW6020	MANGANESE	780		0.39	0.77	MG/KG	780	
GS-14B-00-01-DUP	SW6020	NICKEL	29		0.45	2.1	MG/KG	29	
GS-14B-00-01-DUP	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-14B-00-01-DUP	SW6020	SELENIUM	2.5		0.23	1	MG/KG	2.5	
GS-14B-00-01-DUP	SW6020	SILVER	3		0.059	0.12	MG/KG	3	
GS-14B-00-01-DUP	SW6020	SODIUM	200		15	100	MG/KG	200	J+
GS-14B-00-01-DUP	SW6020	THALLIUM	0.45		0.01	0.01	MG/KG	0.45	
GS-14B-00-01-DUP	SW6020	VANADIUM	36		0.13	0.51	MG/KG	36	
GS-14B-00-01-DUP	SW6020	ZINC	520		4.2	10	MG/KG	520	
GS-14B-00-01-TRI	SW6020	ALUMINUM	6700		6.7	15	MG/KG	6700	
GS-14B-00-01-TRI	SW6020	ANTIMONY	1.4		0.032	0.1	MG/KG	1.4	
GS-14B-00-01-TRI	SW6020	ARSENIC	72		0.051	0.21	MG/KG	72	
GS-14B-00-01-TRI	SW6020	BARIUM	200		0.24	0.52	MG/KG	200	
GS-14B-00-01-TRI	SW6020	BERYLLIUM	0.72		0.0093	0.052	MG/KG	0.72	
GS-14B-00-01-TRI	SW6020	CADMIUM	2.5		0.039	0.21	MG/KG	2.5	
GS-14B-00-01-TRI	SW6020	CALCIUM	8800		19	100	MG/KG	8800	
GS-14B-00-01-TRI	SW6020	CHROMIUM	12		0.57	1	MG/KG	12	
GS-14B-00-01-TRI	SW6020	COBALT	7.2		0.044	0.52	MG/KG	7.2	
GS-14B-00-01-TRI	SW6020	COPPER	60		0.3	2.1	MG/KG	60	
GS-14B-00-01-TRI	SW6020	IRON	35000		11	21	MG/KG	35000	
GS-14B-00-01-TRI	SW6020	LEAD	460		0.068	0.21	MG/KG	460	
GS-14B-00-01-TRI	SW6020	MAGNESIUM	3200		3.4	10	MG/KG	3200	
GS-14B-00-01-TRI	SW6020	MANGANESE	800		0.39	0.77	MG/KG	800	
GS-14B-00-01-TRI	SW6020	NICKEL	25		0.45	2.1	MG/KG	25	
GS-14B-00-01-TRI	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-14B-00-01-TRI	SW6020	SELENIUM	2.6		0.23	1	MG/KG	2.6	
GS-14B-00-01-TRI	SW6020	SILVER	3		0.059	0.12	MG/KG	3	
GS-14B-00-01-TRI	SW6020	SODIUM	200		15	100	MG/KG	200	J+
GS-14B-00-01-TRI	SW6020	THALLIUM	0.45		0.01	0.01	MG/KG	0.45	
GS-14B-00-01-TRI	SW6020	VANADIUM	36		0.13	0.52	MG/KG	36	
GS-14B-00-01-TRI	SW6020	ZINC	520		4.2	10	MG/KG	520	
GS-14B-01-06	SW6020	ALUMINUM	6800		6.7	15	MG/KG	6800	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-14B-01-06	SW6020	ANTIMONY	1.4		0.032	0.1	MG/KG	1.4	
GS-14B-01-06	SW6020	ARSENIC	72		0.05	0.2	MG/KG	72	
GS-14B-01-06	SW6020	BARIUM	210		0.24	0.51	MG/KG	210	
GS-14B-01-06	SW6020	BERYLLIUM	0.74		0.0092	0.051	MG/KG	0.74	
GS-14B-01-06	SW6020	CADMIUM	2.5		0.039	0.2	MG/KG	2.5	
GS-14B-01-06	SW6020	CALCIUM	9000		19	100	MG/KG	9000	
GS-14B-01-06	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-14B-01-06	SW6020	COBALT	7.2		0.044	0.51	MG/KG	7.2	
GS-14B-01-06	SW6020	COPPER	57		0.3	2	MG/KG	57	
GS-14B-01-06	SW6020	IRON	35000		11	20	MG/KG	35000	
GS-14B-01-06	SW6020	LEAD	460		0.068	0.2	MG/KG	460	
GS-14B-01-06	SW6020	MAGNESIUM	3300		3.4	10	MG/KG	3300	
GS-14B-01-06	SW6020	MANGANESE	790		0.39	0.77	MG/KG	790	
GS-14B-01-06	SW6020	NICKEL	28		0.45	2	MG/KG	28	
GS-14B-01-06	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-14B-01-06	SW6020	SELENIUM	2.6		0.23	1	MG/KG	2.6	
GS-14B-01-06	SW6020	SILVER	2.9		0.058	0.12	MG/KG	2.9	
GS-14B-01-06	SW6020	SODIUM	200		15	100	MG/KG	200	J+
GS-14B-01-06	SW6020	THALLIUM	0.44		0.01	0.01	MG/KG	0.44	
GS-14B-01-06	SW6020	VANADIUM	37		0.13	0.51	MG/KG	37	
GS-14B-01-06	SW6020	ZINC	510		4.2	10	MG/KG	510	
GS-14B-01-06-DUP	SW6020	ALUMINUM	6800		7	16	MG/KG	6800	
GS-14B-01-06-DUP	SW6020	ANTIMONY	1.4		0.034	0.11	MG/KG	1.4	
GS-14B-01-06-DUP	SW6020	ARSENIC	73		0.053	0.22	MG/KG	73	
GS-14B-01-06-DUP	SW6020	BARIUM	200		0.25	0.54	MG/KG	200	
GS-14B-01-06-DUP	SW6020	BERYLLIUM	0.74		0.0098	0.054	MG/KG	0.74	
GS-14B-01-06-DUP	SW6020	CADMIUM	2.4		0.041	0.22	MG/KG	2.4	
GS-14B-01-06-DUP	SW6020	CALCIUM	8900		20	110	MG/KG	8900	
GS-14B-01-06-DUP	SW6020	CHROMIUM	12		0.6	1.1	MG/KG	12	
GS-14B-01-06-DUP	SW6020	COBALT	7.2		0.047	0.54	MG/KG	7.2	
GS-14B-01-06-DUP	SW6020	COPPER	59		0.31	2.2	MG/KG	59	
GS-14B-01-06-DUP	SW6020	IRON	35000		12	22	MG/KG	35000	
GS-14B-01-06-DUP	SW6020	LEAD	460		0.072	0.22	MG/KG	460	
GS-14B-01-06-DUP	SW6020	MAGNESIUM	3200		3.6	11	MG/KG	3200	
GS-14B-01-06-DUP	SW6020	MANGANESE	780		0.41	0.81	MG/KG	780	
GS-14B-01-06-DUP	SW6020	NICKEL	29		0.48	2.2	MG/KG	29	
GS-14B-01-06-DUP	SW6020	POTASSIUM	3000		16	110	MG/KG	3000	
GS-14B-01-06-DUP	SW6020	SELENIUM	2.6		0.24	1.1	MG/KG	2.6	
GS-14B-01-06-DUP	SW6020	SILVER	3		0.062	0.12	MG/KG	3	
GS-14B-01-06-DUP	SW6020	SODIUM	200		16	110	MG/KG	200	J+
GS-14B-01-06-DUP	SW6020	THALLIUM	0.46		0.011	0.011	MG/KG	0.46	
GS-14B-01-06-DUP	SW6020	VANADIUM	36		0.14	0.54	MG/KG	36	
GS-14B-01-06-DUP	SW6020	ZINC	510		4.4	11	MG/KG	510	
GS-14B-01-06-TRI	SW6020	ALUMINUM	6600		6.7	15	MG/KG	6600	
GS-14B-01-06-TRI	SW6020	ANTIMONY	1.4		0.032	0.1	MG/KG	1.4	
GS-14B-01-06-TRI	SW6020	ARSENIC	71		0.051	0.21	MG/KG	71	
GS-14B-01-06-TRI	SW6020	BARIUM	210		0.24	0.52	MG/KG	210	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-14B-01-06-TRI	SW6020	BERYLLIUM	0.73		0.0093	0.052	MG/KG	0.73	
GS-14B-01-06-TRI	SW6020	CADMIUM	2.5		0.039	0.21	MG/KG	2.5	
GS-14B-01-06-TRI	SW6020	CALCIUM	8800		19	100	MG/KG	8800	
GS-14B-01-06-TRI	SW6020	CHROMIUM	12		0.57	1	MG/KG	12	
GS-14B-01-06-TRI	SW6020	COBALT	7.1		0.044	0.52	MG/KG	7.1	
GS-14B-01-06-TRI	SW6020	COPPER	57		0.3	2.1	MG/KG	57	
GS-14B-01-06-TRI	SW6020	IRON	35000		11	21	MG/KG	35000	
GS-14B-01-06-TRI	SW6020	LEAD	460		0.068	0.21	MG/KG	460	
GS-14B-01-06-TRI	SW6020	MAGNESIUM	3200		3.4	10	MG/KG	3200	
GS-14B-01-06-TRI	SW6020	MANGANESE	790		0.39	0.77	MG/KG	790	
GS-14B-01-06-TRI	SW6020	NICKEL	28		0.45	2.1	MG/KG	28	
GS-14B-01-06-TRI	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-14B-01-06-TRI	SW6020	SELENIUM	2.5		0.23	1	MG/KG	2.5	
GS-14B-01-06-TRI	SW6020	SILVER	3.1		0.059	0.12	MG/KG	3.1	
GS-14B-01-06-TRI	SW6020	SODIUM	200		15	100	MG/KG	200	J+
GS-14B-01-06-TRI	SW6020	THALLIUM	0.45		0.01	0.01	MG/KG	0.45	
GS-14B-01-06-TRI	SW6020	VANADIUM	36		0.13	0.52	MG/KG	36	
GS-14B-01-06-TRI	SW6020	ZINC	510		4.2	10	MG/KG	510	
GS-14D-00-01	SW6020	ALUMINUM	5500		6.6	15	MG/KG	5500	
GS-14D-00-01	SW6020	ANTIMONY	0.95	N	0.031	0.1	MG/KG	0.95	J
GS-14D-00-01	SW6020	ARSENIC	42		0.05	0.2	MG/KG	42	
GS-14D-00-01	SW6020	BARIUM	170		0.23	0.51	MG/KG	170	
GS-14D-00-01	SW6020	BERYLLIUM	0.81		0.0091	0.051	MG/KG	0.81	
GS-14D-00-01	SW6020	CADMIUM	1.6		0.039	0.2	MG/KG	1.6	
GS-14D-00-01	SW6020	CALCIUM	31000		19	100	MG/KG	31000	
GS-14D-00-01	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-14D-00-01	SW6020	COBALT	5.4		0.044	0.51	MG/KG	5.4	
GS-14D-00-01	SW6020	COPPER	49		0.29	2	MG/KG	49	
GS-14D-00-01	SW6020	IRON	21000		11	20	MG/KG	21000	
GS-14D-00-01	SW6020	LEAD	190		0.067	0.2	MG/KG	190	
GS-14D-00-01	SW6020	MAGNESIUM	6500		3.3	10	MG/KG	6500	
GS-14D-00-01	SW6020	MANGANESE	630		0.39	0.76	MG/KG	630	
GS-14D-00-01	SW6020	NICKEL	19		0.45	2	MG/KG	19	
GS-14D-00-01	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-14D-00-01	SW6020	SELENIUM	1.8		0.23	1	MG/KG	1.8	
GS-14D-00-01	SW6020	SILVER	1.3	N	0.058	0.12	MG/KG	1.3	J
GS-14D-00-01	SW6020	SODIUM	260		15	100	MG/KG	260	
GS-14D-00-01	SW6020	THALLIUM	0.28		0.0099	0.01	MG/KG	0.28	
GS-14D-00-01	SW6020	VANADIUM	27		0.13	0.51	MG/KG	27	
GS-14D-00-01	SW6020	ZINC	450		4.2	10	MG/KG	450	
GS-14D-00-06	SW7471	MERCURY	0.094		0.005	0.04	MG/KG	0.094	J-
GS-14D-01-06	SW6020	ALUMINUM	6300		6.6	15	MG/KG	6300	
GS-14D-01-06	SW6020	ANTIMONY	0.88	N	0.032	0.1	MG/KG	0.88	J
GS-14D-01-06	SW6020	ARSENIC	42		0.05	0.2	MG/KG	42	
GS-14D-01-06	SW6020	BARIUM	170		0.23	0.51	MG/KG	170	
GS-14D-01-06	SW6020	BERYLLIUM	0.97		0.0092	0.051	MG/KG	0.97	
GS-14D-01-06	SW6020	CADMIUM	1.7		0.039	0.2	MG/KG	1.7	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-14D-01-06	SW6020	CALCIUM	22000		19	100	MG/KG	22000	
GS-14D-01-06	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-14D-01-06	SW6020	COBALT	5.9		0.044	0.51	MG/KG	5.9	
GS-14D-01-06	SW6020	COPPER	40		0.3	2	MG/KG	40	
GS-14D-01-06	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-14D-01-06	SW6020	LEAD	200		0.067	0.2	MG/KG	200	
GS-14D-01-06	SW6020	MAGNESIUM	6000		3.4	10	MG/KG	6000	
GS-14D-01-06	SW6020	MANGANESE	640		0.39	0.77	MG/KG	640	
GS-14D-01-06	SW6020	NICKEL	26		0.45	2	MG/KG	26	
GS-14D-01-06	SW6020	POTASSIUM	2200		15	100	MG/KG	2200	
GS-14D-01-06	SW6020	SELENIUM	2.2		0.23	1	MG/KG	2.2	
GS-14D-01-06	SW6020	SILVER	1.4		0.058	0.12	MG/KG	1.4	
GS-14D-01-06	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-14D-01-06	SW6020	THALLIUM	0.31		0.01	0.01	MG/KG	0.31	
GS-14D-01-06	SW6020	VANADIUM	26	N	0.13	0.51	MG/KG	26	
GS-14D-01-06	SW6020	ZINC	340		4.2	10	MG/KG	340	
GS-15B-00-01	SW6020	ALUMINUM	5700		6.6	15	MG/KG	5700	
GS-15B-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-15B-00-01	SW6020	ARSENIC	44		0.049	0.2	MG/KG	44	
GS-15B-00-01	SW6020	BARIUM	150		0.23	0.51	MG/KG	150	
GS-15B-00-01	SW6020	BERYLLIUM	0.57		0.0091	0.051	MG/KG	0.57	
GS-15B-00-01	SW6020	CADMIUM	1.8		0.038	0.2	MG/KG	1.8	
GS-15B-00-01	SW6020	CALCIUM	7500		19	100	MG/KG	7500	
GS-15B-00-01	SW6020	CHROMIUM	10		0.56	1	MG/KG	10	
GS-15B-00-01	SW6020	COBALT	5.6		0.043	0.51	MG/KG	5.6	
GS-15B-00-01	SW6020	COPPER	40		0.29	2	MG/KG	40	
GS-15B-00-01	SW6020	IRON	22000		11	20	MG/KG	22000	
GS-15B-00-01	SW6020	LEAD	200		0.067	0.2	MG/KG	200	
GS-15B-00-01	SW6020	MAGNESIUM	2300		3.3	10	MG/KG	2300	
GS-15B-00-01	SW6020	MANGANESE	570		0.38	0.76	MG/KG	570	
GS-15B-00-01	SW6020	NICKEL	14		0.44	2	MG/KG	14	
GS-15B-00-01	SW6020	POTASSIUM	2500		15	100	MG/KG	2500	
GS-15B-00-01	SW6020	SELENIUM	1.8		0.22	1	MG/KG	1.8	
GS-15B-00-01	SW6020	SILVER	1.4		0.058	0.12	MG/KG	1.4	
GS-15B-00-01	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-15B-00-01	SW6020	THALLIUM	0.27		0.0099	0.01	MG/KG	0.27	
GS-15B-00-01	SW6020	VANADIUM	30		0.13	0.51	MG/KG	30	
GS-15B-00-01	SW6020	ZINC	450		4.1	10	MG/KG	450	
GS-15B-01-06	SW6020	ALUMINUM	7700		6.6	15	MG/KG	7700	
GS-15B-01-06	SW6020	ANTIMONY	1.2		0.031	0.1	MG/KG	1.2	
GS-15B-01-06	SW6020	ARSENIC	56		0.049	0.2	MG/KG	56	
GS-15B-01-06	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-15B-01-06	SW6020	BERYLLIUM	0.76		0.0091	0.05	MG/KG	0.76	
GS-15B-01-06	SW6020	CADMIUM	4.3		0.038	0.2	MG/KG	4.3	
GS-15B-01-06	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-15B-01-06	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-15B-01-06	SW6020	COBALT	8.7		0.043	0.5	MG/KG	8.7	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-15B-01-06	SW6020	COPPER	46		0.29	2	MG/KG	46	
GS-15B-01-06	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-15B-01-06	SW6020	LEAD	220		0.067	0.2	MG/KG	220	
GS-15B-01-06	SW6020	MAGNESIUM	3900		3.3	10	MG/KG	3900	
GS-15B-01-06	SW6020	MANGANESE	1400		0.38	0.76	MG/KG	1400	
GS-15B-01-06	SW6020	NICKEL	27		0.44	2	MG/KG	27	
GS-15B-01-06	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-15B-01-06	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-15B-01-06	SW6020	SILVER	1.6		0.058	0.12	MG/KG	1.6	
GS-15B-01-06	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-15B-01-06	SW6020	THALLIUM	0.35		0.0099	0.01	MG/KG	0.35	
GS-15B-01-06	SW6020	VANADIUM	37		0.13	0.5	MG/KG	37	
GS-15B-01-06	SW6020	ZINC	880		4.1	10	MG/KG	880	
GS-16B-00-01	SW6020	ALUMINUM	6600		6.6	15	MG/KG	6600	
GS-16B-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-16B-00-01	SW6020	ARSENIC	46		0.05	0.2	MG/KG	46	
GS-16B-00-01	SW6020	BARIUM	170		0.23	0.51	MG/KG	170	
GS-16B-00-01	SW6020	BERYLLIUM	0.75		0.0091	0.051	MG/KG	0.75	
GS-16B-00-01	SW6020	CADMIUM	1.6		0.039	0.2	MG/KG	1.6	
GS-16B-00-01	SW6020	CALCIUM	9300		19	100	MG/KG	9300	
GS-16B-00-01	SW6020	CHROMIUM	11		0.56	1	MG/KG	11	
GS-16B-00-01	SW6020	COBALT	8		0.044	0.51	MG/KG	8	
GS-16B-00-01	SW6020	COPPER	42		0.29	2	MG/KG	42	
GS-16B-00-01	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-16B-00-01	SW6020	LEAD	180		0.067	0.2	MG/KG	180	
GS-16B-00-01	SW6020	MAGNESIUM	3100		3.3	10	MG/KG	3100	
GS-16B-00-01	SW6020	MANGANESE	680		0.39	0.76	MG/KG	680	
GS-16B-00-01	SW6020	NICKEL	20		0.45	2	MG/KG	20	
GS-16B-00-01	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-16B-00-01	SW6020	SELENIUM	2.5		0.23	1	MG/KG	2.5	
GS-16B-00-01	SW6020	SILVER	1.3		0.058	0.12	MG/KG	1.3	
GS-16B-00-01	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-16B-00-01	SW6020	THALLIUM	0.31		0.0099	0.01	MG/KG	0.31	
GS-16B-00-01	SW6020	VANADIUM	31		0.13	0.51	MG/KG	31	
GS-16B-00-01	SW6020	ZINC	390		4.2	10	MG/KG	390	
GS-16B-01-06	SW6020	ALUMINUM	7800		6.6	15	MG/KG	7800	
GS-16B-01-06	SW6020	ANTIMONY	1.2		0.032	0.1	MG/KG	1.2	
GS-16B-01-06	SW6020	ARSENIC	65		0.05	0.2	MG/KG	65	
GS-16B-01-06	SW6020	BARIUM	210		0.23	0.51	MG/KG	210	
GS-16B-01-06	SW6020	BERYLLIUM	0.85		0.0092	0.051	MG/KG	0.85	
GS-16B-01-06	SW6020	CADMIUM	2		0.039	0.2	MG/KG	2	
GS-16B-01-06	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-16B-01-06	SW6020	CHROMIUM	14		0.56	1	MG/KG	14	
GS-16B-01-06	SW6020	COBALT	9.7		0.044	0.51	MG/KG	9.7	
GS-16B-01-06	SW6020	COPPER	49		0.29	2	MG/KG	49	
GS-16B-01-06	SW6020	IRON	34000		11	20	MG/KG	34000	
GS-16B-01-06	SW6020	LEAD	250		0.067	0.2	MG/KG	250	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-16B-01-06	SW6020	MAGNESIUM	3700		3.4	10	MG/KG	3700	
GS-16B-01-06	SW6020	MANGANESE	930		0.39	0.76	MG/KG	930	
GS-16B-01-06	SW6020	NICKEL	42		0.45	2	MG/KG	42	
GS-16B-01-06	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-16B-01-06	SW6020	SELENIUM	3.2		0.23	1	MG/KG	3.2	
GS-16B-01-06	SW6020	SILVER	1.8		0.058	0.12	MG/KG	1.8	
GS-16B-01-06	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-16B-01-06	SW6020	THALLIUM	0.37		0.01	0.01	MG/KG	0.37	
GS-16B-01-06	SW6020	VANADIUM	38		0.13	0.51	MG/KG	38	
GS-16B-01-06	SW6020	ZINC	400		4.2	10	MG/KG	400	
GS-16B1-00-01	SW6020	ALUMINUM	7200		6.4	15	MG/KG	7200	
GS-16B1-00-01	SW6020	ANTIMONY	0.67		0.031	0.099	MG/KG	0.67	
GS-16B1-00-01	SW6020	ARSENIC	35		0.048	0.2	MG/KG	35	
GS-16B1-00-01	SW6020	BARIUM	200		0.23	0.49	MG/KG	200	
GS-16B1-00-01	SW6020	BERYLLIUM	0.69		0.0089	0.049	MG/KG	0.69	
GS-16B1-00-01	SW6020	CADMIUM	1.1		0.038	0.2	MG/KG	1.1	
GS-16B1-00-01	SW6020	CALCIUM	10000		18	99	MG/KG	10000	
GS-16B1-00-01	SW6020	CHROMIUM	13		0.54	0.99	MG/KG	13	
GS-16B1-00-01	SW6020	COBALT	6.5		0.043	0.49	MG/KG	6.5	
GS-16B1-00-01	SW6020	COPPER	43		0.29	2	MG/KG	43	
GS-16B1-00-01	SW6020	IRON	19000		11	20	MG/KG	19000	
GS-16B1-00-01	SW6020	LEAD	92		0.065	0.2	MG/KG	92	
GS-16B1-00-01	SW6020	MAGNESIUM	2900		3.3	9.9	MG/KG	2900	
GS-16B1-00-01	SW6020	MANGANESE	520		0.38	0.74	MG/KG	520	
GS-16B1-00-01	SW6020	NICKEL	17		0.43	2	MG/KG	17	
GS-16B1-00-01	SW6020	POTASSIUM	2700		15	99	MG/KG	2700	
GS-16B1-00-01	SW6020	SELENIUM	2.1		0.22	0.99	MG/KG	2.1	
GS-16B1-00-01	SW6020	SILVER	0.68		0.056	0.11	MG/KG	0.68	
GS-16B1-00-01	SW6020	SODIUM	240		15	99	MG/KG	240	
GS-16B1-00-01	SW6020	THALLIUM	0.23		0.0097	0.0099	MG/KG	0.23	
GS-16B1-00-01	SW6020	VANADIUM	27		0.13	0.49	MG/KG	27	
GS-16B1-00-01	SW6020	ZINC	290		4.1	9.9	MG/KG	290	
GS-16B1-01-06	SW6020	ALUMINUM	7900		6.8	16	MG/KG	7900	
GS-16B1-01-06	SW6020	ANTIMONY	0.5		0.032	0.1	MG/KG	0.5	
GS-16B1-01-06	SW6020	ARSENIC	24		0.051	0.21	MG/KG	24	
GS-16B1-01-06	SW6020	BARIUM	210		0.24	0.52	MG/KG	210	
GS-16B1-01-06	SW6020	BERYLLIUM	0.75		0.0094	0.052	MG/KG	0.75	
GS-16B1-01-06	SW6020	CADMIUM	1.2		0.04	0.21	MG/KG	1.2	
GS-16B1-01-06	SW6020	CALCIUM	7900		19	100	MG/KG	7900	
GS-16B1-01-06	SW6020	CHROMIUM	9.3		0.57	1	MG/KG	9.3	
GS-16B1-01-06	SW6020	COBALT	7.4		0.045	0.52	MG/KG	7.4	
GS-16B1-01-06	SW6020	COPPER	31		0.3	2.1	MG/KG	31	
GS-16B1-01-06	SW6020	IRON	20000		11	21	MG/KG	20000	
GS-16B1-01-06	SW6020	LEAD	79		0.069	0.21	MG/KG	79	
GS-16B1-01-06	SW6020	MAGNESIUM	2800		3.4	10	MG/KG	2800	
GS-16B1-01-06	SW6020	MANGANESE	510		0.4	0.78	MG/KG	510	
GS-16B1-01-06	SW6020	NICKEL	25		0.46	2.1	MG/KG	25	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-16B1-01-06	SW6020	POTASSIUM	2000		16	100	MG/KG	2000	
GS-16B1-01-06	SW6020	SELENIUM	2.3		0.23	1	MG/KG	2.3	
GS-16B1-01-06	SW6020	SILVER	0.53		0.06	0.12	MG/KG	0.53	
GS-16B1-01-06	SW6020	SODIUM	160		16	100	MG/KG	160	J+
GS-16B1-01-06	SW6020	THALLIUM	0.23		0.01	0.01	MG/KG	0.23	
GS-16B1-01-06	SW6020	VANADIUM	25		0.14	0.52	MG/KG	25	
GS-16B1-01-06	SW6020	ZINC	260		4.3	10	MG/KG	260	
GS-16D-00-01	SW6020	ALUMINUM	7800		6.4	15	MG/KG	7800	
GS-16D-00-01	SW6020	ANTIMONY	0.82		0.031	0.098	MG/KG	0.82	
GS-16D-00-01	SW6020	ARSENIC	35		0.048	0.2	MG/KG	35	
GS-16D-00-01	SW6020	BARIUM	180		0.23	0.49	MG/KG	180	
GS-16D-00-01	SW6020	BERYLLIUM	0.71		0.0089	0.049	MG/KG	0.71	
GS-16D-00-01	SW6020	CADMIUM	1.8		0.037	0.2	MG/KG	1.8	
GS-16D-00-01	SW6020	CALCIUM	12000		18	98	MG/KG	12000	
GS-16D-00-01	SW6020	CHROMIUM	13		0.54	0.98	MG/KG	13	
GS-16D-00-01	SW6020	COBALT	5.9		0.042	0.49	MG/KG	5.9	
GS-16D-00-01	SW6020	COPPER	37		0.29	2	MG/KG	37	
GS-16D-00-01	SW6020	IRON	22000		11	20	MG/KG	22000	
GS-16D-00-01	SW6020	LEAD	150		0.065	0.2	MG/KG	150	
GS-16D-00-01	SW6020	MAGNESIUM	3600		3.2	9.8	MG/KG	3600	
GS-16D-00-01	SW6020	MANGANESE	560		0.37	0.74	MG/KG	560	
GS-16D-00-01	SW6020	NICKEL	18		0.43	2	MG/KG	18	
GS-16D-00-01	SW6020	POTASSIUM	3300		15	98	MG/KG	3300	
GS-16D-00-01	SW6020	SELENIUM	2		0.22	0.98	MG/KG	2	
GS-16D-00-01	SW6020	SILVER	1.1		0.056	0.11	MG/KG	1.1	
GS-16D-00-01	SW6020	SODIUM	620		15	98	MG/KG	620	
GS-16D-00-01	SW6020	THALLIUM	0.28		0.0096	0.0098	MG/KG	0.28	
GS-16D-00-01	SW6020	VANADIUM	32		0.13	0.49	MG/KG	32	
GS-16D-00-01	SW6020	ZINC	340		4	9.8	MG/KG	340	
GS-16D-01-06	SW6020	ALUMINUM	8600		6.6	15	MG/KG	8600	
GS-16D-01-06	SW6020	ANTIMONY	0.85		0.031	0.1	MG/KG	0.85	
GS-16D-01-06	SW6020	ARSENIC	37		0.05	0.2	MG/KG	37	
GS-16D-01-06	SW6020	BARIUM	210		0.23	0.51	MG/KG	210	
GS-16D-01-06	SW6020	BERYLLIUM	0.8		0.0091	0.051	MG/KG	0.8	
GS-16D-01-06	SW6020	CADMIUM	1.8		0.039	0.2	MG/KG	1.8	
GS-16D-01-06	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-16D-01-06	SW6020	CHROMIUM	11		0.56	1	MG/KG	11	
GS-16D-01-06	SW6020	COBALT	6.6		0.044	0.51	MG/KG	6.6	
GS-16D-01-06	SW6020	COPPER	42		0.29	2	MG/KG	42	
GS-16D-01-06	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-16D-01-06	SW6020	LEAD	180		0.067	0.2	MG/KG	180	
GS-16D-01-06	SW6020	MAGNESIUM	4000		3.3	10	MG/KG	4000	
GS-16D-01-06	SW6020	MANGANESE	630		0.39	0.76	MG/KG	630	
GS-16D-01-06	SW6020	NICKEL	35		0.45	2	MG/KG	35	
GS-16D-01-06	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-16D-01-06	SW6020	SELENIUM	2.4		0.23	1	MG/KG	2.4	
GS-16D-01-06	SW6020	SILVER	1.1		0.058	0.12	MG/KG	1.1	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-16D-01-06	SW6020	SODIUM	570		15	100	MG/KG	570	
GS-16D-01-06	SW6020	THALLIUM	0.31		0.0099	0.01	MG/KG	0.31	
GS-16D-01-06	SW6020	VANADIUM	35		0.13	0.51	MG/KG	35	
GS-16D-01-06	SW6020	ZINC	320		4.2	10	MG/KG	320	
GS-17B-00-01	SW6020	ALUMINUM	6900		6.6	15	MG/KG	6900	
GS-17B-00-01	SW6020	ANTIMONY	1		0.032	0.1	MG/KG	1	
GS-17B-00-01	SW6020	ARSENIC	47		0.05	0.2	MG/KG	47	
GS-17B-00-01	SW6020	BARIUM	190		0.24	0.51	MG/KG	190	
GS-17B-00-01	SW6020	BERYLLIUM	0.69		0.0092	0.051	MG/KG	0.69	
GS-17B-00-01	SW6020	CADMIUM	1.6		0.039	0.2	MG/KG	1.6	
GS-17B-00-01	SW6020	CALCIUM	15000		19	100	MG/KG	15000	
GS-17B-00-01	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-17B-00-01	SW6020	COBALT	8.1		0.044	0.51	MG/KG	8.1	
GS-17B-00-01	SW6020	COPPER	41		0.3	2	MG/KG	41	
GS-17B-00-01	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-17B-00-01	SW6020	LEAD	160		0.068	0.2	MG/KG	160	
GS-17B-00-01	SW6020	MAGNESIUM	3400		3.4	10	MG/KG	3400	
GS-17B-00-01	SW6020	MANGANESE	700		0.39	0.77	MG/KG	700	
GS-17B-00-01	SW6020	NICKEL	20		0.45	2	MG/KG	20	
GS-17B-00-01	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-17B-00-01	SW6020	SELENIUM	2.3		0.23	1	MG/KG	2.3	
GS-17B-00-01	SW6020	SILVER	1.1		0.058	0.12	MG/KG	1.1	
GS-17B-00-01	SW6020	SODIUM	190		15	100	MG/KG	190	J+
GS-17B-00-01	SW6020	THALLIUM	0.29		0.01	0.01	MG/KG	0.29	
GS-17B-00-01	SW6020	VANADIUM	33		0.13	0.51	MG/KG	33	
GS-17B-00-01	SW6020	ZINC	350		4.2	10	MG/KG	350	
GS-17B-01-06	SW6020	ALUMINUM	8400		6.8	16	MG/KG	8400	
GS-17B-01-06	SW6020	ANTIMONY	0.8		0.032	0.1	MG/KG	0.8	
GS-17B-01-06	SW6020	ARSENIC	42		0.051	0.21	MG/KG	42	
GS-17B-01-06	SW6020	BARIUM	240		0.24	0.52	MG/KG	240	
GS-17B-01-06	SW6020	BERYLLIUM	0.81		0.0094	0.052	MG/KG	0.81	
GS-17B-01-06	SW6020	CADMIUM	1.5		0.04	0.21	MG/KG	1.5	
GS-17B-01-06	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-17B-01-06	SW6020	CHROMIUM	15		0.57	1	MG/KG	15	
GS-17B-01-06	SW6020	COBALT	10		0.045	0.52	MG/KG	10	
GS-17B-01-06	SW6020	COPPER	44		0.3	2.1	MG/KG	44	
GS-17B-01-06	SW6020	IRON	29000		11	21	MG/KG	29000	
GS-17B-01-06	SW6020	LEAD	150		0.069	0.21	MG/KG	150	
GS-17B-01-06	SW6020	MAGNESIUM	4200		3.4	10	MG/KG	4200	
GS-17B-01-06	SW6020	MANGANESE	750		0.4	0.78	MG/KG	750	
GS-17B-01-06	SW6020	NICKEL	35		0.46	2.1	MG/KG	35	
GS-17B-01-06	SW6020	POTASSIUM	2300		16	100	MG/KG	2300	
GS-17B-01-06	SW6020	SELENIUM	3.1		0.23	1	MG/KG	3.1	
GS-17B-01-06	SW6020	SILVER	1		0.059	0.12	MG/KG	1	
GS-17B-01-06	SW6020	SODIUM	180		16	100	MG/KG	180	J+
GS-17B-01-06	SW6020	THALLIUM	0.32		0.01	0.01	MG/KG	0.32	
GS-17B-01-06	SW6020	VANADIUM	36		0.14	0.52	MG/KG	36	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-17B-01-06	SW6020	ZINC	290		4.3	10	MG/KG	290	
GS-17D-00-01	SW6020	ALUMINUM	7500		7	16	MG/KG	7500	
GS-17D-00-01	SW6020	ANTIMONY	1.2		0.033	0.11	MG/KG	1.2	
GS-17D-00-01	SW6020	ARSENIC	44		0.053	0.21	MG/KG	44	
GS-17D-00-01	SW6020	BARIUM	210		0.25	0.54	MG/KG	210	
GS-17D-00-01	SW6020	BERYLLIUM	0.87		0.0097	0.054	MG/KG	0.87	
GS-17D-00-01	SW6020	CADMIUM	2.3		0.041	0.21	MG/KG	2.3	
GS-17D-00-01	SW6020	CALCIUM	15000		20	110	MG/KG	15000	
GS-17D-00-01	SW6020	CHROMIUM	13		0.59	1.1	MG/KG	13	
GS-17D-00-01	SW6020	COBALT	8.1		0.046	0.54	MG/KG	8.1	
GS-17D-00-01	SW6020	COPPER	44		0.31	2.1	MG/KG	44	
GS-17D-00-01	SW6020	IRON	26000		12	21	MG/KG	26000	
GS-17D-00-01	SW6020	LEAD	160		0.071	0.21	MG/KG	160	
GS-17D-00-01	SW6020	MAGNESIUM	4500		3.5	11	MG/KG	4500	
GS-17D-00-01	SW6020	MANGANESE	810		0.41	0.81	MG/KG	810	
GS-17D-00-01	SW6020	NICKEL	19		0.47	2.1	MG/KG	19	
GS-17D-00-01	SW6020	POTASSIUM	3300		16	110	MG/KG	3300	
GS-17D-00-01	SW6020	SELENIUM	2.8		0.24	1.1	MG/KG	2.8	
GS-17D-00-01	SW6020	SILVER	1.4		0.061	0.12	MG/KG	1.4	
GS-17D-00-01	SW6020	SODIUM	210		16	110	MG/KG	210	J+
GS-17D-00-01	SW6020	THALLIUM	0.34		0.011	0.011	MG/KG	0.34	
GS-17D-00-01	SW6020	VANADIUM	33		0.14	0.54	MG/KG	33	
GS-17D-00-01	SW6020	ZINC	420		4.4	11	MG/KG	420	
GS-17D-01-06	SW6020	ALUMINUM	9600		8.2	19	MG/KG	9600	
GS-17D-01-06	SW6020	ANTIMONY	1.4		0.039	0.13	MG/KG	1.4	
GS-17D-01-06	SW6020	ARSENIC	55		0.061	0.25	MG/KG	55	
GS-17D-01-06	SW6020	BARIUM	270		0.29	0.63	MG/KG	270	
GS-17D-01-06	SW6020	BERYLLIUM	1.1		0.011	0.063	MG/KG	1.1	
GS-17D-01-06	SW6020	CADMIUM	2.6		0.048	0.25	MG/KG	2.6	
GS-17D-01-06	SW6020	CALCIUM	20000		23	130	MG/KG	20000	
GS-17D-01-06	SW6020	CHROMIUM	17		0.69	1.3	MG/KG	17	
GS-17D-01-06	SW6020	COBALT	9.9		0.054	0.63	MG/KG	9.9	
GS-17D-01-06	SW6020	COPPER	56		0.36	2.5	MG/KG	56	
GS-17D-01-06	SW6020	IRON	34000		14	25	MG/KG	34000	
GS-17D-01-06	SW6020	LEAD	210		0.083	0.25	MG/KG	210	
GS-17D-01-06	SW6020	MAGNESIUM	5700		4.1	13	MG/KG	5700	
GS-17D-01-06	SW6020	MANGANESE	1000		0.48	0.94	MG/KG	1000	
GS-17D-01-06	SW6020	NICKEL	37		0.55	2.5	MG/KG	37	
GS-17D-01-06	SW6020	POTASSIUM	3100		19	130	MG/KG	3100	
GS-17D-01-06	SW6020	SELENIUM	3.5		0.28	1.3	MG/KG	3.5	
GS-17D-01-06	SW6020	SILVER	1.6		0.072	0.14	MG/KG	1.6	
GS-17D-01-06	SW6020	SODIUM	200		19	130	MG/KG	200	J+
GS-17D-01-06	SW6020	THALLIUM	0.42		0.012	0.013	MG/KG	0.42	
GS-17D-01-06	SW6020	VANADIUM	42		0.16	0.63	MG/KG	42	
GS-17D-01-06	SW6020	ZINC	470		5.1	13	MG/KG	470	
GS-18B-00-01	SW6020	ALUMINUM	7100		6.6	15	MG/KG	7100	
GS-18B-00-01	SW6020	ANTIMONY	1.2		0.032	0.1	MG/KG	1.2	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-18B-00-01	SW6020	ARSENIC	32		0.05	0.2	MG/KG	32	
GS-18B-00-01	SW6020	BARIUM	180		0.24	0.51	MG/KG	180	
GS-18B-00-01	SW6020	BERYLLIUM	0.73		0.0092	0.051	MG/KG	0.73	
GS-18B-00-01	SW6020	CADMIUM	1.1		0.039	0.2	MG/KG	1.1	
GS-18B-00-01	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-18B-00-01	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-18B-00-01	SW6020	COBALT	6.7		0.044	0.51	MG/KG	6.7	
GS-18B-00-01	SW6020	COPPER	32		0.3	2	MG/KG	32	
GS-18B-00-01	SW6020	IRON	21000		11	20	MG/KG	21000	
GS-18B-00-01	SW6020	LEAD	110		0.067	0.2	MG/KG	110	
GS-18B-00-01	SW6020	MAGNESIUM	2900		3.4	10	MG/KG	2900	
GS-18B-00-01	SW6020	MANGANESE	530		0.39	0.77	MG/KG	530	
GS-18B-00-01	SW6020	NICKEL	18		0.45	2	MG/KG	18	
GS-18B-00-01	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-18B-00-01	SW6020	SELENIUM	2.3		0.23	1	MG/KG	2.3	
GS-18B-00-01	SW6020	SILVER	0.87		0.058	0.12	MG/KG	0.87	
GS-18B-00-01	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-18B-00-01	SW6020	THALLIUM	0.26		0.01	0.01	MG/KG	0.26	
GS-18B-00-01	SW6020	VANADIUM	28		0.13	0.51	MG/KG	28	
GS-18B-00-01	SW6020	ZINC	260		4.2	10	MG/KG	260	
GS-18B-01-06	SW6020	ALUMINUM	8100		6.9	16	MG/KG	8100	
GS-18B-01-06	SW6020	ANTIMONY	0.84		0.033	0.11	MG/KG	0.84	
GS-18B-01-06	SW6020	ARSENIC	36		0.052	0.21	MG/KG	36	
GS-18B-01-06	SW6020	BARIUM	230		0.24	0.53	MG/KG	230	
GS-18B-01-06	SW6020	BERYLLIUM	0.83		0.0095	0.053	MG/KG	0.83	
GS-18B-01-06	SW6020	CADMIUM	1.5		0.04	0.21	MG/KG	1.5	
GS-18B-01-06	SW6020	CALCIUM	11000		20	110	MG/KG	11000	
GS-18B-01-06	SW6020	CHROMIUM	15		0.58	1.1	MG/KG	15	
GS-18B-01-06	SW6020	COBALT	9.7		0.046	0.53	MG/KG	9.7	
GS-18B-01-06	SW6020	COPPER	37		0.31	2.1	MG/KG	37	
GS-18B-01-06	SW6020	IRON	27000		12	21	MG/KG	27000	
GS-18B-01-06	SW6020	LEAD	120		0.07	0.21	MG/KG	120	
GS-18B-01-06	SW6020	MAGNESIUM	3900		3.5	11	MG/KG	3900	
GS-18B-01-06	SW6020	MANGANESE	740		0.4	0.79	MG/KG	740	
GS-18B-01-06	SW6020	NICKEL	40		0.47	2.1	MG/KG	40	
GS-18B-01-06	SW6020	POTASSIUM	2100		16	110	MG/KG	2100	
GS-18B-01-06	SW6020	SELENIUM	2.9		0.23	1.1	MG/KG	2.9	
GS-18B-01-06	SW6020	SILVER	0.89		0.06	0.12	MG/KG	0.89	
GS-18B-01-06	SW6020	SODIUM	160		16	110	MG/KG	160	J+
GS-18B-01-06	SW6020	THALLIUM	0.32		0.01	0.011	MG/KG	0.32	
GS-18B-01-06	SW6020	VANADIUM	32		0.14	0.53	MG/KG	32	
GS-18B-01-06	SW6020	ZINC	270		4.3	11	MG/KG	270	
GS-18D-00-01	SW6020	ALUMINUM	7000		6.5	15	MG/KG	7000	
GS-18D-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-18D-00-01	SW6020	ARSENIC	43		0.049	0.2	MG/KG	43	
GS-18D-00-01	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-18D-00-01	SW6020	BERYLLIUM	0.72		0.009	0.05	MG/KG	0.72	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-18D-00-01	SW6020	CADMIUM	1.9		0.038	0.2	MG/KG	1.9	
GS-18D-00-01	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-18D-00-01	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-18D-00-01	SW6020	COBALT	6.6		0.043	0.5	MG/KG	6.6	
GS-18D-00-01	SW6020	COPPER	34		0.29	2	MG/KG	34	
GS-18D-00-01	SW6020	IRON	23000		11	20	MG/KG	23000	
GS-18D-00-01	SW6020	LEAD	170		0.066	0.2	MG/KG	170	
GS-18D-00-01	SW6020	MAGNESIUM	4000		3.3	10	MG/KG	4000	
GS-18D-00-01	SW6020	MANGANESE	690		0.38	0.75	MG/KG	690	
GS-18D-00-01	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-18D-00-01	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-18D-00-01	SW6020	SELENIUM	2.3		0.22	1	MG/KG	2.3	
GS-18D-00-01	SW6020	SILVER	1.3		0.057	0.11	MG/KG	1.3	
GS-18D-00-01	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-18D-00-01	SW6020	THALLIUM	0.29		0.0098	0.01	MG/KG	0.29	
GS-18D-00-01	SW6020	VANADIUM	31		0.13	0.5	MG/KG	31	
GS-18D-00-01	SW6020	ZINC	380		4.1	10	MG/KG	380	
GS-18D-01-06	SW6020	ALUMINUM	7800		6.5	15	MG/KG	7800	
GS-18D-01-06	SW6020	ANTIMONY	0.78		0.031	0.1	MG/KG	0.78	
GS-18D-01-06	SW6020	ARSENIC	28		0.049	0.2	MG/KG	28	
GS-18D-01-06	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-18D-01-06	SW6020	BERYLLIUM	0.97		0.009	0.05	MG/KG	0.97	
GS-18D-01-06	SW6020	CADMIUM	2		0.038	0.2	MG/KG	2	
GS-18D-01-06	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-18D-01-06	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-18D-01-06	SW6020	COBALT	5.9		0.043	0.5	MG/KG	5.9	
GS-18D-01-06	SW6020	COPPER	31		0.29	2	MG/KG	31	
GS-18D-01-06	SW6020	IRON	22000		11	20	MG/KG	22000	
GS-18D-01-06	SW6020	LEAD	130		0.066	0.2	MG/KG	130	
GS-18D-01-06	SW6020	MAGNESIUM	4400		3.3	10	MG/KG	4400	
GS-18D-01-06	SW6020	MANGANESE	640		0.38	0.75	MG/KG	640	
GS-18D-01-06	SW6020	NICKEL	37		0.44	2	MG/KG	37	
GS-18D-01-06	SW6020	POTASSIUM	1800		15	100	MG/KG	1800	
GS-18D-01-06	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-18D-01-06	SW6020	SILVER	0.88		0.057	0.11	MG/KG	0.88	
GS-18D-01-06	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-18D-01-06	SW6020	THALLIUM	0.28		0.0098	0.01	MG/KG	0.28	
GS-18D-01-06	SW6020	VANADIUM	26		0.13	0.5	MG/KG	26	
GS-18D-01-06	SW6020	ZINC	320		4.1	10	MG/KG	320	
GS-19B-00-01	SW6020	ALUMINUM	7100		6.5	15	MG/KG	7100	
GS-19B-00-01	SW6020	ANTIMONY	1.4		0.031	0.099	MG/KG	1.4	
GS-19B-00-01	SW6020	ARSENIC	49		0.049	0.2	MG/KG	49	
GS-19B-00-01	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-19B-00-01	SW6020	BERYLLIUM	0.77		0.009	0.05	MG/KG	0.77	
GS-19B-00-01	SW6020	CADMIUM	1.9		0.038	0.2	MG/KG	1.9	
GS-19B-00-01	SW6020	CALCIUM	10000		18	99	MG/KG	10000	
GS-19B-00-01	SW6020	CHROMIUM	14		0.55	0.99	MG/KG	14	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-19B-00-01	SW6020	COBALT	7.9		0.043	0.5	MG/KG	7.9	
GS-19B-00-01	SW6020	COPPER	48		0.29	2	MG/KG	48	
GS-19B-00-01	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-19B-00-01	SW6020	LEAD	190		0.066	0.2	MG/KG	190	
GS-19B-00-01	SW6020	MAGNESIUM	3000		3.3	9.9	MG/KG	3000	
GS-19B-00-01	SW6020	MANGANESE	680		0.38	0.75	MG/KG	680	
GS-19B-00-01	SW6020	NICKEL	22		0.44	2	MG/KG	22	
GS-19B-00-01	SW6020	POTASSIUM	2600		15	99	MG/KG	2600	
GS-19B-00-01	SW6020	SELENIUM	2.6		0.22	0.99	MG/KG	2.6	
GS-19B-00-01	SW6020	SILVER	1.2		0.057	0.11	MG/KG	1.2	
GS-19B-00-01	SW6020	SODIUM	170		15	99	MG/KG	170	J+
GS-19B-00-01	SW6020	THALLIUM	0.31		0.0098	0.0099	MG/KG	0.31	
GS-19B-00-01	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-19B-00-01	SW6020	ZINC	430		4.1	9.9	MG/KG	430	
GS-19B-01-06	SW6020	ALUMINUM	7500		6.6	15	MG/KG	7500	
GS-19B-01-06	SW6020	ANTIMONY	0.67		0.032	0.1	MG/KG	0.67	
GS-19B-01-06	SW6020	ARSENIC	30		0.05	0.2	MG/KG	30	
GS-19B-01-06	SW6020	BARIUM	190		0.23	0.51	MG/KG	190	
GS-19B-01-06	SW6020	BERYLLIUM	0.85		0.0092	0.051	MG/KG	0.85	
GS-19B-01-06	SW6020	CADMIUM	1.3		0.039	0.2	MG/KG	1.3	
GS-19B-01-06	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-19B-01-06	SW6020	CHROMIUM	11		0.56	1	MG/KG	11	
GS-19B-01-06	SW6020	COBALT	8.6		0.044	0.51	MG/KG	8.6	
GS-19B-01-06	SW6020	COPPER	41		0.3	2	MG/KG	41	
GS-19B-01-06	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-19B-01-06	SW6020	LEAD	110		0.067	0.2	MG/KG	110	
GS-19B-01-06	SW6020	MAGNESIUM	4200		3.4	10	MG/KG	4200	
GS-19B-01-06	SW6020	MANGANESE	600		0.39	0.76	MG/KG	600	
GS-19B-01-06	SW6020	NICKEL	44		0.45	2	MG/KG	44	
GS-19B-01-06	SW6020	POTASSIUM	1900		15	100	MG/KG	1900	
GS-19B-01-06	SW6020	SELENIUM	2.9		0.23	1	MG/KG	2.9	
GS-19B-01-06	SW6020	SILVER	0.73		0.058	0.12	MG/KG	0.73	
GS-19B-01-06	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-19B-01-06	SW6020	THALLIUM	0.28		0.01	0.01	MG/KG	0.28	
GS-19B-01-06	SW6020	VANADIUM	27		0.13	0.51	MG/KG	27	
GS-19B-01-06	SW6020	ZINC	230		4.2	10	MG/KG	230	
GS-20B-00-01	SW6020	ALUMINUM	6900		6.5	15	MG/KG	6900	
GS-20B-00-01	SW6020	ANTIMONY	0.54		0.031	0.1	MG/KG	0.54	
GS-20B-00-01	SW6020	ARSENIC	24		0.049	0.2	MG/KG	24	
GS-20B-00-01	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-20B-00-01	SW6020	BERYLLIUM	0.63		0.009	0.05	MG/KG	0.63	
GS-20B-00-01	SW6020	CADMIUM	1.2		0.038	0.2	MG/KG	1.2	
GS-20B-00-01	SW6020	CALCIUM	6900		19	100	MG/KG	6900	
GS-20B-00-01	SW6020	CHROMIUM	8.7		0.55	1	MG/KG	8.7	
GS-20B-00-01	SW6020	COBALT	6		0.043	0.5	MG/KG	6	
GS-20B-00-01	SW6020	COPPER	24		0.29	2	MG/KG	24	
GS-20B-00-01	SW6020	IRON	17000		11	20	MG/KG	17000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-20B-00-01	SW6020	LEAD	85		0.066	0.2	MG/KG	85	
GS-20B-00-01	SW6020	MAGNESIUM	2200		3.3	10	MG/KG	2200	
GS-20B-00-01	SW6020	MANGANESE	480		0.38	0.75	MG/KG	480	
GS-20B-00-01	SW6020	NICKEL	14		0.44	2	MG/KG	14	
GS-20B-00-01	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-20B-00-01	SW6020	SELENIUM	1.7		0.22	1	MG/KG	1.7	
GS-20B-00-01	SW6020	SILVER	0.83		0.057	0.11	MG/KG	0.83	
GS-20B-00-01	SW6020	SODIUM	90	J	15	100	MG/KG	100	U
GS-20B-00-01	SW6020	THALLIUM	0.23		0.0098	0.01	MG/KG	0.23	
GS-20B-00-01	SW6020	VANADIUM	25		0.13	0.5	MG/KG	25	
GS-20B-00-01	SW6020	ZINC	200		4.1	10	MG/KG	200	
GS-20B-01-06	SW6020	ALUMINUM	7700		6.5	15	MG/KG	7700	
GS-20B-01-06	SW6020	ANTIMONY	0.69		0.031	0.1	MG/KG	0.69	
GS-20B-01-06	SW6020	ARSENIC	33		0.049	0.2	MG/KG	33	
GS-20B-01-06	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-20B-01-06	SW6020	BERYLLIUM	0.79		0.009	0.05	MG/KG	0.79	
GS-20B-01-06	SW6020	CADMIUM	1.8		0.038	0.2	MG/KG	1.8	
GS-20B-01-06	SW6020	CALCIUM	8200		19	100	MG/KG	8200	
GS-20B-01-06	SW6020	CHROMIUM	9.8		0.55	1	MG/KG	9.8	
GS-20B-01-06	SW6020	COBALT	7.4		0.043	0.5	MG/KG	7.4	
GS-20B-01-06	SW6020	COPPER	33		0.29	2	MG/KG	33	
GS-20B-01-06	SW6020	IRON	23000		11	20	MG/KG	23000	
GS-20B-01-06	SW6020	LEAD	130		0.066	0.2	MG/KG	130	
GS-20B-01-06	SW6020	MAGNESIUM	3300		3.3	10	MG/KG	3300	
GS-20B-01-06	SW6020	MANGANESE	700		0.38	0.75	MG/KG	700	
GS-20B-01-06	SW6020	NICKEL	34		0.44	2	MG/KG	34	
GS-20B-01-06	SW6020	POTASSIUM	1900		15	100	MG/KG	1900	
GS-20B-01-06	SW6020	SELENIUM	2.3		0.22	1	MG/KG	2.3	
GS-20B-01-06	SW6020	SILVER	0.9		0.057	0.11	MG/KG	0.9	
GS-20B-01-06	SW6020	SODIUM	110		15	100	MG/KG	110	J+
GS-20B-01-06	SW6020	THALLIUM	0.28		0.0098	0.01	MG/KG	0.28	
GS-20B-01-06	SW6020	VANADIUM	28		0.13	0.5	MG/KG	28	
GS-20B-01-06	SW6020	ZINC	260		4.1	10	MG/KG	260	
GS-20D-00-01	SW6020	ALUMINUM	7800		6.6	15	MG/KG	7800	
GS-20D-00-01	SW6020	ANTIMONY	1.1		0.032	0.1	MG/KG	1.1	
GS-20D-00-01	SW6020	ARSENIC	48		0.05	0.2	MG/KG	48	
GS-20D-00-01	SW6020	BARIUM	210		0.23	0.51	MG/KG	210	
GS-20D-00-01	SW6020	BERYLLIUM	0.76		0.0092	0.051	MG/KG	0.76	
GS-20D-00-01	SW6020	CADMIUM	2.5		0.039	0.2	MG/KG	2.5	
GS-20D-00-01	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-20D-00-01	SW6020	CHROMIUM	24		0.56	1	MG/KG	24	
GS-20D-00-01	SW6020	COBALT	8.2		0.044	0.51	MG/KG	8.2	
GS-20D-00-01	SW6020	COPPER	46		0.3	2	MG/KG	46	
GS-20D-00-01	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-20D-00-01	SW6020	LEAD	200		0.067	0.2	MG/KG	200	
GS-20D-00-01	SW6020	MAGNESIUM	3500		3.4	10	MG/KG	3500	
GS-20D-00-01	SW6020	MANGANESE	940		0.39	0.76	MG/KG	940	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-20D-00-01	SW6020	NICKEL	46		0.45	2	MG/KG	46	
GS-20D-00-01	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-20D-00-01	SW6020	SELENIUM	2.6		0.23	1	MG/KG	2.6	
GS-20D-00-01	SW6020	SILVER	1.4		0.058	0.12	MG/KG	1.4	
GS-20D-00-01	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-20D-00-01	SW6020	THALLIUM	0.33		0.01	0.01	MG/KG	0.33	
GS-20D-00-01	SW6020	VANADIUM	34		0.13	0.51	MG/KG	34	
GS-20D-00-01	SW6020	ZINC	470		4.2	10	MG/KG	470	
GS-20D-01-06	SW6020	ALUMINUM	6900		6.6	15	MG/KG	6900	
GS-20D-01-06	SW6020	ANTIMONY	0.78		0.031	0.1	MG/KG	0.78	
GS-20D-01-06	SW6020	ARSENIC	34		0.05	0.2	MG/KG	34	
GS-20D-01-06	SW6020	BARIUM	190		0.23	0.51	MG/KG	190	
GS-20D-01-06	SW6020	BERYLLIUM	0.73		0.0091	0.051	MG/KG	0.73	
GS-20D-01-06	SW6020	CADMIUM	1.6		0.038	0.2	MG/KG	1.6	
GS-20D-01-06	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-20D-01-06	SW6020	CHROMIUM	14		0.56	1	MG/KG	14	
GS-20D-01-06	SW6020	COBALT	6.6		0.043	0.51	MG/KG	6.6	
GS-20D-01-06	SW6020	COPPER	31		0.29	2	MG/KG	31	
GS-20D-01-06	SW6020	IRON	22000		11	20	MG/KG	22000	
GS-20D-01-06	SW6020	LEAD	120		0.067	0.2	MG/KG	120	
GS-20D-01-06	SW6020	MAGNESIUM	3800		3.3	10	MG/KG	3800	
GS-20D-01-06	SW6020	MANGANESE	720		0.38	0.76	MG/KG	720	
GS-20D-01-06	SW6020	NICKEL	24		0.44	2	MG/KG	24	
GS-20D-01-06	SW6020	POTASSIUM	1700		15	100	MG/KG	1700	
GS-20D-01-06	SW6020	SELENIUM	2.3		0.22	1	MG/KG	2.3	
GS-20D-01-06	SW6020	SILVER	0.89		0.058	0.12	MG/KG	0.89	
GS-20D-01-06	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-20D-01-06	SW6020	THALLIUM	0.26		0.0099	0.01	MG/KG	0.26	
GS-20D-01-06	SW6020	VANADIUM	27		0.13	0.51	MG/KG	27	
GS-20D-01-06	SW6020	ZINC	280		4.1	10	MG/KG	280	
GS-21D-00-01	SW6020	ALUMINUM	7700		6.6	15	MG/KG	7700	
GS-21D-00-01	SW6020	ANTIMONY	1.4		0.031	0.1	MG/KG	1.4	
GS-21D-00-01	SW6020	ARSENIC	65		0.05	0.2	MG/KG	65	
GS-21D-00-01	SW6020	BARIUM	220		0.23	0.51	MG/KG	220	
GS-21D-00-01	SW6020	BERYLLIUM	0.77		0.0091	0.051	MG/KG	0.77	
GS-21D-00-01	SW6020	CADMIUM	2.9		0.038	0.2	MG/KG	2.9	
GS-21D-00-01	SW6020	CALCIUM	8900		19	100	MG/KG	8900	
GS-21D-00-01	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-21D-00-01	SW6020	COBALT	8.4		0.044	0.51	MG/KG	8.4	
GS-21D-00-01	SW6020	COPPER	47		0.29	2	MG/KG	47	
GS-21D-00-01	SW6020	IRON	32000		11	20	MG/KG	32000	
GS-21D-00-01	SW6020	LEAD	640		0.67	2	MG/KG	640	
GS-21D-00-01	SW6020	MAGNESIUM	2900		3.3	10	MG/KG	2900	
GS-21D-00-01	SW6020	MANGANESE	930		0.38	0.76	MG/KG	930	
GS-21D-00-01	SW6020	NICKEL	23		0.45	2	MG/KG	23	
GS-21D-00-01	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-21D-00-01	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-21D-00-01	SW6020	SILVER	1.8		0.058	0.12	MG/KG	1.8	
GS-21D-00-01	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-21D-00-01	SW6020	THALLIUM	0.36		0.0099	0.01	MG/KG	0.36	
GS-21D-00-01	SW6020	VANADIUM	36		0.13	0.51	MG/KG	36	
GS-21D-00-01	SW6020	ZINC	540		4.2	10	MG/KG	540	
GS-21D-00-06	SW7471	MERCURY	0.14		0.0046	0.037	MG/KG	0.14	
GS-21D-01-06	SW6020	ALUMINUM	6900		6.6	15	MG/KG	6900	
GS-21D-01-06	SW6020	ANTIMONY	2.6		0.032	0.1	MG/KG	2.6	
GS-21D-01-06	SW6020	ARSENIC	140		0.05	0.2	MG/KG	140	
GS-21D-01-06	SW6020	BARIUM	260		0.23	0.51	MG/KG	260	
GS-21D-01-06	SW6020	BERYLLIUM	0.66		0.0092	0.051	MG/KG	0.66	
GS-21D-01-06	SW6020	CADMIUM	2.5		0.039	0.2	MG/KG	2.5	
GS-21D-01-06	SW6020	CALCIUM	7100		19	100	MG/KG	7100	
GS-21D-01-06	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-21D-01-06	SW6020	COBALT	8.1		0.044	0.51	MG/KG	8.1	
GS-21D-01-06	SW6020	COPPER	57		0.3	2	MG/KG	57	
GS-21D-01-06	SW6020	IRON	46000		11	20	MG/KG	46000	
GS-21D-01-06	SW6020	LEAD	500		0.67	2	MG/KG	500	
GS-21D-01-06	SW6020	MAGNESIUM	2700		3.4	10	MG/KG	2700	
GS-21D-01-06	SW6020	MANGANESE	1100		0.39	0.76	MG/KG	1100	
GS-21D-01-06	SW6020	NICKEL	26		0.45	2	MG/KG	26	
GS-21D-01-06	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-21D-01-06	SW6020	SELENIUM	3		0.23	1	MG/KG	3	
GS-21D-01-06	SW6020	SILVER	3.9		0.058	0.12	MG/KG	3.9	
GS-21D-01-06	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-21D-01-06	SW6020	THALLIUM	0.48		0.01	0.01	MG/KG	0.48	
GS-21D-01-06	SW6020	VANADIUM	48		0.13	0.51	MG/KG	48	
GS-21D-01-06	SW6020	ZINC	520		4.2	10	MG/KG	520	
GS-22D-00-01	SW6020	ALUMINUM	7300		6.4	15	MG/KG	7300	
GS-22D-00-01	SW6020	ANTIMONY	1.2		0.031	0.099	MG/KG	1.2	
GS-22D-00-01	SW6020	ARSENIC	49		0.048	0.2	MG/KG	49	
GS-22D-00-01	SW6020	BARIUM	190		0.23	0.49	MG/KG	190	
GS-22D-00-01	SW6020	BERYLLIUM	0.7		0.0089	0.049	MG/KG	0.7	
GS-22D-00-01	SW6020	CADMIUM	1.8		0.037	0.2	MG/KG	1.8	
GS-22D-00-01	SW6020	CALCIUM	13000		18	99	MG/KG	13000	
GS-22D-00-01	SW6020	CHROMIUM	14		0.54	0.99	MG/KG	14	
GS-22D-00-01	SW6020	COBALT	8.6		0.042	0.49	MG/KG	8.6	
GS-22D-00-01	SW6020	COPPER	53		0.29	2	MG/KG	53	
GS-22D-00-01	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-22D-00-01	SW6020	LEAD	160		0.065	0.2	MG/KG	160	
GS-22D-00-01	SW6020	MAGNESIUM	4000		3.3	9.9	MG/KG	4000	
GS-22D-00-01	SW6020	MANGANESE	800		0.37	0.74	MG/KG	800	
GS-22D-00-01	SW6020	NICKEL	18		0.43	2	MG/KG	18	
GS-22D-00-01	SW6020	POTASSIUM	3300		15	99	MG/KG	3300	
GS-22D-00-01	SW6020	SELENIUM	2.4		0.22	0.99	MG/KG	2.4	
GS-22D-00-01	SW6020	SILVER	1.3		0.056	0.11	MG/KG	1.3	
GS-22D-00-01	SW6020	SODIUM	570		15	99	MG/KG	570	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-22D-00-01	SW6020	THALLIUM	0.31		0.0097	0.0099	MG/KG	0.31	
GS-22D-00-01	SW6020	VANADIUM	35		0.13	0.49	MG/KG	35	
GS-22D-00-01	SW6020	ZINC	460		4	9.9	MG/KG	460	
GS-22D-01-06	SW6020	ALUMINUM	8000		6.5	15	MG/KG	8000	
GS-22D-01-06	SW6020	ANTIMONY	1.2		0.031	0.1	MG/KG	1.2	
GS-22D-01-06	SW6020	ARSENIC	47		0.049	0.2	MG/KG	47	
GS-22D-01-06	SW6020	BARIUM	210		0.23	0.5	MG/KG	210	
GS-22D-01-06	SW6020	BERYLLIUM	0.78		0.009	0.05	MG/KG	0.78	
GS-22D-01-06	SW6020	CADMIUM	2.1		0.038	0.2	MG/KG	2.1	
GS-22D-01-06	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-22D-01-06	SW6020	CHROMIUM	12		0.55	1	MG/KG	12	
GS-22D-01-06	SW6020	COBALT	9.4		0.043	0.5	MG/KG	9.4	
GS-22D-01-06	SW6020	COPPER	45		0.29	2	MG/KG	45	
GS-22D-01-06	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-22D-01-06	SW6020	LEAD	180		0.066	0.2	MG/KG	180	
GS-22D-01-06	SW6020	MAGNESIUM	3500		3.3	10	MG/KG	3500	
GS-22D-01-06	SW6020	MANGANESE	850		0.38	0.75	MG/KG	850	
GS-22D-01-06	SW6020	NICKEL	23		0.44	2	MG/KG	23	
GS-22D-01-06	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-22D-01-06	SW6020	SELENIUM	2.8		0.22	1	MG/KG	2.8	
GS-22D-01-06	SW6020	SILVER	1.2		0.057	0.11	MG/KG	1.2	
GS-22D-01-06	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-22D-01-06	SW6020	THALLIUM	0.33		0.0098	0.01	MG/KG	0.33	
GS-22D-01-06	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	
GS-22D-01-06	SW6020	ZINC	410		4.1	10	MG/KG	410	
GS-23D-00-01	SW6020	ALUMINUM	7700		6.5	15	MG/KG	7700	
GS-23D-00-01	SW6020	ANTIMONY	1.5		0.031	0.1	MG/KG	1.5	
GS-23D-00-01	SW6020	ARSENIC	58		0.049	0.2	MG/KG	58	
GS-23D-00-01	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-23D-00-01	SW6020	BERYLLIUM	0.75		0.009	0.05	MG/KG	0.75	
GS-23D-00-01	SW6020	CADMIUM	1.4		0.038	0.2	MG/KG	1.4	
GS-23D-00-01	SW6020	CALCIUM	14000		18	100	MG/KG	14000	
GS-23D-00-01	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-23D-00-01	SW6020	COBALT	11		0.043	0.5	MG/KG	11	
GS-23D-00-01	SW6020	COPPER	42		0.29	2	MG/KG	42	
GS-23D-00-01	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-23D-00-01	SW6020	LEAD	260		0.066	0.2	MG/KG	260	
GS-23D-00-01	SW6020	MAGNESIUM	4400		3.3	10	MG/KG	4400	
GS-23D-00-01	SW6020	MANGANESE	840		0.38	0.75	MG/KG	840	
GS-23D-00-01	SW6020	NICKEL	23		0.44	2	MG/KG	23	
GS-23D-00-01	SW6020	POTASSIUM	2200		15	100	MG/KG	2200	
GS-23D-00-01	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-23D-00-01	SW6020	SILVER	1.6		0.057	0.11	MG/KG	1.6	
GS-23D-00-01	SW6020	SODIUM	240		15	100	MG/KG	240	
GS-23D-00-01	SW6020	THALLIUM	0.36		0.0098	0.01	MG/KG	0.36	
GS-23D-00-01	SW6020	VANADIUM	39		0.13	0.5	MG/KG	39	
GS-23D-00-01	SW6020	ZINC	280		4.1	10	MG/KG	280	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-23D-01-06	SW6020	ALUMINUM	8400		6.6	15	MG/KG	8400	
GS-23D-01-06	SW6020	ANTIMONY	1		0.031	0.1	MG/KG	1	
GS-23D-01-06	SW6020	ARSENIC	48		0.049	0.2	MG/KG	48	
GS-23D-01-06	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-23D-01-06	SW6020	BERYLLIUM	0.83		0.0091	0.05	MG/KG	0.83	
GS-23D-01-06	SW6020	CADMIUM	2.7		0.038	0.2	MG/KG	2.7	
GS-23D-01-06	SW6020	CALCIUM	17000		19	100	MG/KG	17000	
GS-23D-01-06	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-23D-01-06	SW6020	COBALT	11		0.043	0.5	MG/KG	11	
GS-23D-01-06	SW6020	COPPER	45		0.29	2	MG/KG	45	
GS-23D-01-06	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-23D-01-06	SW6020	LEAD	190		0.067	0.2	MG/KG	190	
GS-23D-01-06	SW6020	MAGNESIUM	5100		3.3	10	MG/KG	5100	
GS-23D-01-06	SW6020	MANGANESE	1000		0.38	0.76	MG/KG	1000	
GS-23D-01-06	SW6020	NICKEL	27		0.44	2	MG/KG	27	
GS-23D-01-06	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-23D-01-06	SW6020	SELENIUM	3.1		0.22	1	MG/KG	3.1	
GS-23D-01-06	SW6020	SILVER	1.3		0.058	0.12	MG/KG	1.3	
GS-23D-01-06	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-23D-01-06	SW6020	THALLIUM	0.35		0.0099	0.01	MG/KG	0.35	
GS-23D-01-06	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	
GS-23D-01-06	SW6020	ZINC	380		4.1	10	MG/KG	380	
GS-24D-00-01	SW6020	ALUMINUM	7000		6.6	15	MG/KG	7000	
GS-24D-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-24D-00-01	SW6020	ARSENIC	48		0.05	0.2	MG/KG	48	
GS-24D-00-01	SW6020	BARIUM	190		0.23	0.51	MG/KG	190	
GS-24D-00-01	SW6020	BERYLLIUM	0.74		0.0091	0.051	MG/KG	0.74	
GS-24D-00-01	SW6020	CADMIUM	2		0.038	0.2	MG/KG	2	
GS-24D-00-01	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-24D-00-01	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-24D-00-01	SW6020	COBALT	7.9		0.044	0.51	MG/KG	7.9	
GS-24D-00-01	SW6020	COPPER	46		0.29	2	MG/KG	46	
GS-24D-00-01	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-24D-00-01	SW6020	LEAD	140		0.067	0.2	MG/KG	140	
GS-24D-00-01	SW6020	MAGNESIUM	3400		3.3	10	MG/KG	3400	
GS-24D-00-01	SW6020	MANGANESE	790		0.38	0.76	MG/KG	790	
GS-24D-00-01	SW6020	NICKEL	18		0.45	2	MG/KG	18	
GS-24D-00-01	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-24D-00-01	SW6020	SELENIUM	2.5		0.22	1	MG/KG	2.5	
GS-24D-00-01	SW6020	SILVER	1.2		0.058	0.12	MG/KG	1.2	
GS-24D-00-01	SW6020	SODIUM	130		15	100	MG/KG	130	J+
GS-24D-00-01	SW6020	THALLIUM	0.32		0.0099	0.01	MG/KG	0.32	
GS-24D-00-01	SW6020	VANADIUM	34		0.13	0.51	MG/KG	34	
GS-24D-00-01	SW6020	ZINC	510		4.1	10	MG/KG	510	
GS-24D-01-06	SW6020	ALUMINUM	7900		6.7	15	MG/KG	7900	
GS-24D-01-06	SW6020	ANTIMONY	1.2		0.032	0.1	MG/KG	1.2	
GS-24D-01-06	SW6020	ARSENIC	46		0.051	0.21	MG/KG	46	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-24D-01-06	SW6020	BARIUM	200		0.24	0.52	MG/KG	200	
GS-24D-01-06	SW6020	BERYLLIUM	0.9		0.0093	0.052	MG/KG	0.9	
GS-24D-01-06	SW6020	CADMIUM	2.3		0.039	0.21	MG/KG	2.3	
GS-24D-01-06	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-24D-01-06	SW6020	CHROMIUM	13		0.57	1	MG/KG	13	
GS-24D-01-06	SW6020	COBALT	8.2		0.044	0.52	MG/KG	8.2	
GS-24D-01-06	SW6020	COPPER	42		0.3	2.1	MG/KG	42	
GS-24D-01-06	SW6020	IRON	28000		11	21	MG/KG	28000	
GS-24D-01-06	SW6020	LEAD	180		0.068	0.21	MG/KG	180	
GS-24D-01-06	SW6020	MAGNESIUM	3900		3.4	10	MG/KG	3900	
GS-24D-01-06	SW6020	MANGANESE	840		0.39	0.77	MG/KG	840	
GS-24D-01-06	SW6020	NICKEL	28		0.45	2.1	MG/KG	28	
GS-24D-01-06	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-24D-01-06	SW6020	SELENIUM	3		0.23	1	MG/KG	3	
GS-24D-01-06	SW6020	SILVER	1.2		0.059	0.12	MG/KG	1.2	
GS-24D-01-06	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-24D-01-06	SW6020	THALLIUM	0.35		0.01	0.01	MG/KG	0.35	
GS-24D-01-06	SW6020	VANADIUM	33		0.13	0.52	MG/KG	33	
GS-24D-01-06	SW6020	ZINC	440		4.2	10	MG/KG	440	
GS-25D-00-01	SW6020	ALUMINUM	6800		6.6	15	MG/KG	6800	
GS-25D-00-01	SW6020	ANTIMONY	1.2		0.031	0.1	MG/KG	1.2	
GS-25D-00-01	SW6020	ARSENIC	50		0.05	0.2	MG/KG	50	
GS-25D-00-01	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-25D-00-01	SW6020	BERYLLIUM	0.82		0.0091	0.051	MG/KG	0.82	
GS-25D-00-01	SW6020	CADMIUM	2.2		0.038	0.2	MG/KG	2.2	
GS-25D-00-01	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-25D-00-01	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-25D-00-01	SW6020	COBALT	7.7		0.044	0.51	MG/KG	7.7	
GS-25D-00-01	SW6020	COPPER	45		0.29	2	MG/KG	45	
GS-25D-00-01	SW6020	IRON	26000		11	20	MG/KG	26000	
GS-25D-00-01	SW6020	LEAD	200		0.067	0.2	MG/KG	200	
GS-25D-00-01	SW6020	MAGNESIUM	4200		3.3	10	MG/KG	4200	
GS-25D-00-01	SW6020	MANGANESE	840		0.38	0.76	MG/KG	840	
GS-25D-00-01	SW6020	NICKEL	19		0.45	2	MG/KG	19	
GS-25D-00-01	SW6020	POTASSIUM	3700		15	100	MG/KG	3700	
GS-25D-00-01	SW6020	SELENIUM	2.3		0.22	1	MG/KG	2.3	
GS-25D-00-01	SW6020	SILVER	1.3		0.058	0.12	MG/KG	1.3	
GS-25D-00-01	SW6020	SODIUM	300		15	100	MG/KG	300	
GS-25D-00-01	SW6020	THALLIUM	0.32		0.0099	0.01	MG/KG	0.32	
GS-25D-00-01	SW6020	VANADIUM	34		0.13	0.51	MG/KG	34	
GS-25D-00-01	SW6020	ZINC	410		4.2	10	MG/KG	410	
GS-25D-01-06	SW6020	ALUMINUM	7700		6.6	15	MG/KG	7700	
GS-25D-01-06	SW6020	ANTIMONY	1.2		0.032	0.1	MG/KG	1.2	
GS-25D-01-06	SW6020	ARSENIC	58		0.05	0.2	MG/KG	58	
GS-25D-01-06	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-25D-01-06	SW6020	BERYLLIUM	0.95		0.0092	0.051	MG/KG	0.95	
GS-25D-01-06	SW6020	CADMIUM	2.5		0.039	0.2	MG/KG	2.5	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-25D-01-06	SW6020	CALCIUM	16000		19	100	MG/KG	16000	
GS-25D-01-06	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-25D-01-06	SW6020	COBALT	8.5		0.044	0.51	MG/KG	8.5	
GS-25D-01-06	SW6020	COPPER	44		0.3	2	MG/KG	44	
GS-25D-01-06	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-25D-01-06	SW6020	LEAD	240		0.067	0.2	MG/KG	240	
GS-25D-01-06	SW6020	MAGNESIUM	5800		3.4	10	MG/KG	5800	
GS-25D-01-06	SW6020	MANGANESE	980		0.39	0.77	MG/KG	980	
GS-25D-01-06	SW6020	NICKEL	25		0.45	2	MG/KG	25	
GS-25D-01-06	SW6020	POTASSIUM	3100		15	100	MG/KG	3100	
GS-25D-01-06	SW6020	SELENIUM	2.8		0.23	1	MG/KG	2.8	
GS-25D-01-06	SW6020	SILVER	1.6		0.058	0.12	MG/KG	1.6	
GS-25D-01-06	SW6020	SODIUM	240		15	100	MG/KG	240	
GS-25D-01-06	SW6020	THALLIUM	0.37		0.01	0.01	MG/KG	0.37	
GS-25D-01-06	SW6020	VANADIUM	36		0.13	0.51	MG/KG	36	
GS-25D-01-06	SW6020	ZINC	410		4.2	10	MG/KG	410	
GS-26D-00-01	SW6020	ALUMINUM	7300		6.6	15	MG/KG	7300	
GS-26D-00-01	SW6020	ANTIMONY	1		0.032	0.1	MG/KG	1	
GS-26D-00-01	SW6020	ARSENIC	47		0.05	0.2	MG/KG	47	
GS-26D-00-01	SW6020	BARIUM	190		0.23	0.51	MG/KG	190	
GS-26D-00-01	SW6020	BERYLLIUM	0.85		0.0092	0.051	MG/KG	0.85	
GS-26D-00-01	SW6020	CADMIUM	2		0.039	0.2	MG/KG	2	
GS-26D-00-01	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-26D-00-01	SW6020	CHROMIUM	14		0.56	1	MG/KG	14	
GS-26D-00-01	SW6020	COBALT	7		0.044	0.51	MG/KG	7	
GS-26D-00-01	SW6020	COPPER	66		0.3	2	MG/KG	66	
GS-26D-00-01	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-26D-00-01	SW6020	LEAD	190		0.067	0.2	MG/KG	190	
GS-26D-00-01	SW6020	MAGNESIUM	3900		3.4	10	MG/KG	3900	
GS-26D-00-01	SW6020	MANGANESE	760		0.39	0.76	MG/KG	760	
GS-26D-00-01	SW6020	NICKEL	16		0.45	2	MG/KG	16	
GS-26D-00-01	SW6020	POTASSIUM	3200		15	100	MG/KG	3200	
GS-26D-00-01	SW6020	SELENIUM	2.2		0.23	1	MG/KG	2.2	
GS-26D-00-01	SW6020	SILVER	1.2		0.058	0.12	MG/KG	1.2	
GS-26D-00-01	SW6020	SODIUM	440		15	100	MG/KG	440	
GS-26D-00-01	SW6020	THALLIUM	0.31		0.01	0.01	MG/KG	0.31	
GS-26D-00-01	SW6020	VANADIUM	32		0.13	0.51	MG/KG	32	
GS-26D-00-01	SW6020	ZINC	500		4.2	10	MG/KG	500	
GS-26D-01-06	SW6020	ALUMINUM	7000		6.5	15	MG/KG	7000	
GS-26D-01-06	SW6020	ANTIMONY	1		0.031	0.1	MG/KG	1	
GS-26D-01-06	SW6020	ARSENIC	46		0.049	0.2	MG/KG	46	
GS-26D-01-06	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-26D-01-06	SW6020	BERYLLIUM	0.87		0.0091	0.05	MG/KG	0.87	
GS-26D-01-06	SW6020	CADMIUM	2.3		0.038	0.2	MG/KG	2.3	
GS-26D-01-06	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-26D-01-06	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-26D-01-06	SW6020	COBALT	6.6		0.043	0.5	MG/KG	6.6	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-26D-01-06	SW6020	COPPER	47		0.29	2	MG/KG	47	
GS-26D-01-06	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-26D-01-06	SW6020	LEAD	200		0.066	0.2	MG/KG	200	
GS-26D-01-06	SW6020	MAGNESIUM	4700		3.3	10	MG/KG	4700	
GS-26D-01-06	SW6020	MANGANESE	850		0.38	0.76	MG/KG	850	
GS-26D-01-06	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-26D-01-06	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-26D-01-06	SW6020	SELENIUM	2.3		0.22	1	MG/KG	2.3	
GS-26D-01-06	SW6020	SILVER	1.4		0.057	0.11	MG/KG	1.4	
GS-26D-01-06	SW6020	SODIUM	250		15	100	MG/KG	250	
GS-26D-01-06	SW6020	THALLIUM	0.31		0.0099	0.01	MG/KG	0.31	
GS-26D-01-06	SW6020	VANADIUM	31		0.13	0.5	MG/KG	31	
GS-26D-01-06	SW6020	ZINC	590		4.1	10	MG/KG	590	
GS-27D-00-01	SW6020	ALUMINUM	7300		6.6	15	MG/KG	7300	
GS-27D-00-01	SW6020	ANTIMONY	0.69		0.031	0.1	MG/KG	0.69	
GS-27D-00-01	SW6020	ARSENIC	30		0.05	0.2	MG/KG	30	
GS-27D-00-01	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-27D-00-01	SW6020	BERYLLIUM	0.72		0.0091	0.051	MG/KG	0.72	
GS-27D-00-01	SW6020	CADMIUM	1.4		0.038	0.2	MG/KG	1.4	
GS-27D-00-01	SW6020	CALCIUM	9500		19	100	MG/KG	9500	
GS-27D-00-01	SW6020	CHROMIUM	11		0.56	1	MG/KG	11	
GS-27D-00-01	SW6020	COBALT	6.8		0.043	0.51	MG/KG	6.8	
GS-27D-00-01	SW6020	COPPER	27		0.29	2	MG/KG	27	
GS-27D-00-01	SW6020	IRON	20000		11	20	MG/KG	20000	
GS-27D-00-01	SW6020	LEAD	110		0.067	0.2	MG/KG	110	
GS-27D-00-01	SW6020	MAGNESIUM	2700		3.3	10	MG/KG	2700	
GS-27D-00-01	SW6020	MANGANESE	520		0.38	0.76	MG/KG	520	
GS-27D-00-01	SW6020	NICKEL	13		0.44	2	MG/KG	13	
GS-27D-00-01	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-27D-00-01	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-27D-00-01	SW6020	SILVER	0.77		0.058	0.12	MG/KG	0.77	
GS-27D-00-01	SW6020	SODIUM	340		15	100	MG/KG	340	
GS-27D-00-01	SW6020	THALLIUM	0.25		0.0099	0.01	MG/KG	0.25	
GS-27D-00-01	SW6020	VANADIUM	27		0.13	0.51	MG/KG	27	
GS-27D-00-01	SW6020	ZINC	270		4.1	10	MG/KG	270	
GS-27D-00-06	SW7471	MERCURY	0.11		0.0048	0.038	MG/KG	0.11	J-
GS-27D-01-06	SW6020	ALUMINUM	7600		6.5	15	MG/KG	7600	
GS-27D-01-06	SW6020	ANTIMONY	0.65		0.031	0.1	MG/KG	0.65	
GS-27D-01-06	SW6020	ARSENIC	33		0.049	0.2	MG/KG	33	
GS-27D-01-06	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-27D-01-06	SW6020	BERYLLIUM	0.79		0.009	0.05	MG/KG	0.79	
GS-27D-01-06	SW6020	CADMIUM	1.5		0.038	0.2	MG/KG	1.5	
GS-27D-01-06	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-27D-01-06	SW6020	CHROMIUM	10		0.55	1	MG/KG	10	
GS-27D-01-06	SW6020	COBALT	6.1		0.043	0.5	MG/KG	6.1	
GS-27D-01-06	SW6020	COPPER	26		0.29	2	MG/KG	26	
GS-27D-01-06	SW6020	IRON	22000		11	20	MG/KG	22000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-27D-01-06	SW6020	LEAD	130		0.066	0.2	MG/KG	130	
GS-27D-01-06	SW6020	MAGNESIUM	2500		3.3	10	MG/KG	2500	
GS-27D-01-06	SW6020	MANGANESE	640		0.38	0.75	MG/KG	640	
GS-27D-01-06	SW6020	NICKEL	16		0.44	2	MG/KG	16	
GS-27D-01-06	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-27D-01-06	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-27D-01-06	SW6020	SILVER	0.95		0.057	0.11	MG/KG	0.95	
GS-27D-01-06	SW6020	SODIUM	280		15	100	MG/KG	280	
GS-27D-01-06	SW6020	THALLIUM	0.24		0.0098	0.01	MG/KG	0.24	
GS-27D-01-06	SW6020	VANADIUM	26		0.13	0.5	MG/KG	26	
GS-27D-01-06	SW6020	ZINC	260		4.1	10	MG/KG	260	
GS-28D-00-01	SW6020	ALUMINUM	6800		6.5	15	MG/KG	6800	
GS-28D-00-01	SW6020	ANTIMONY	1.2		0.031	0.1	MG/KG	1.2	
GS-28D-00-01	SW6020	ARSENIC	49		0.049	0.2	MG/KG	49	
GS-28D-00-01	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-28D-00-01	SW6020	BERYLLIUM	1.1		0.0091	0.05	MG/KG	1.1	
GS-28D-00-01	SW6020	CADMIUM	2.2		0.038	0.2	MG/KG	2.2	
GS-28D-00-01	SW6020	CALCIUM	9300		19	100	MG/KG	9300	
GS-28D-00-01	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-28D-00-01	SW6020	COBALT	6		0.043	0.5	MG/KG	6	
GS-28D-00-01	SW6020	COPPER	39		0.29	2	MG/KG	39	
GS-28D-00-01	SW6020	IRON	23000		11	20	MG/KG	23000	
GS-28D-00-01	SW6020	LEAD	180		0.066	0.2	MG/KG	180	
GS-28D-00-01	SW6020	MAGNESIUM	2800		3.3	10	MG/KG	2800	
GS-28D-00-01	SW6020	MANGANESE	760		0.38	0.76	MG/KG	760	
GS-28D-00-01	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-28D-00-01	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-28D-00-01	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-28D-00-01	SW6020	SILVER	1.3		0.057	0.11	MG/KG	1.3	
GS-28D-00-01	SW6020	SODIUM	240		15	100	MG/KG	240	
GS-28D-00-01	SW6020	THALLIUM	0.34		0.0099	0.01	MG/KG	0.34	
GS-28D-00-01	SW6020	VANADIUM	33		0.13	0.5	MG/KG	33	
GS-28D-00-01	SW6020	ZINC	430		4.1	10	MG/KG	430	
GS-28D-01-06	SW6020	ALUMINUM	7700		6.5	15	MG/KG	7700	
GS-28D-01-06	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-28D-01-06	SW6020	ARSENIC	58		0.049	0.2	MG/KG	58	
GS-28D-01-06	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-28D-01-06	SW6020	BERYLLIUM	1.5		0.009	0.05	MG/KG	1.5	
GS-28D-01-06	SW6020	CADMIUM	2.5		0.038	0.2	MG/KG	2.5	
GS-28D-01-06	SW6020	CALCIUM	9200		19	100	MG/KG	9200	
GS-28D-01-06	SW6020	CHROMIUM	14		0.55	1	MG/KG	14	
GS-28D-01-06	SW6020	COBALT	6.6		0.043	0.5	MG/KG	6.6	
GS-28D-01-06	SW6020	COPPER	39		0.29	2	MG/KG	39	
GS-28D-01-06	SW6020	IRON	26000		11	20	MG/KG	26000	
GS-28D-01-06	SW6020	LEAD	200		0.066	0.2	MG/KG	200	
GS-28D-01-06	SW6020	MAGNESIUM	3200		3.3	10	MG/KG	3200	
GS-28D-01-06	SW6020	MANGANESE	880		0.38	0.75	MG/KG	880	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-28D-01-06	SW6020	NICKEL	19		0.44	2	MG/KG	19	
GS-28D-01-06	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-28D-01-06	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-28D-01-06	SW6020	SILVER	1.3		0.057	0.11	MG/KG	1.3	
GS-28D-01-06	SW6020	SODIUM	240		15	100	MG/KG	240	
GS-28D-01-06	SW6020	THALLIUM	0.37		0.0098	0.01	MG/KG	0.37	
GS-28D-01-06	SW6020	VANADIUM	37		0.13	0.5	MG/KG	37	
GS-28D-01-06	SW6020	ZINC	430		4.1	10	MG/KG	430	
GS-29A4-00-01	SW6020	ALUMINUM	5400		6.4	15	MG/KG	5400	
GS-29A4-00-01	SW6020	ANTIMONY	2		0.031	0.099	MG/KG	2	
GS-29A4-00-01	SW6020	ARSENIC	94		0.048	0.2	MG/KG	94	
GS-29A4-00-01	SW6020	BARIUM	190		0.23	0.49	MG/KG	190	
GS-29A4-00-01	SW6020	BERYLLIUM	0.86		0.0089	0.049	MG/KG	0.86	
GS-29A4-00-01	SW6020	CADMIUM	1.6		0.038	0.2	MG/KG	1.6	
GS-29A4-00-01	SW6020	CALCIUM	14000		18	99	MG/KG	14000	
GS-29A4-00-01	SW6020	CHROMIUM	28		0.54	0.99	MG/KG	28	
GS-29A4-00-01	SW6020	COBALT	6.5		0.043	0.49	MG/KG	6.5	
GS-29A4-00-01	SW6020	COPPER	61		0.29	2	MG/KG	61	
GS-29A4-00-01	SW6020	IRON	38000		11	20	MG/KG	38000	
GS-29A4-00-01	SW6020	LEAD	550		0.65	2	MG/KG	550	
GS-29A4-00-01	SW6020	MAGNESIUM	4700		3.3	9.9	MG/KG	4700	
GS-29A4-00-01	SW6020	MANGANESE	590		0.38	0.74	MG/KG	590	
GS-29A4-00-01	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-29A4-00-01	SW6020	POTASSIUM	2700		15	99	MG/KG	2700	
GS-29A4-00-01	SW6020	SELENIUM	2.1		0.22	0.99	MG/KG	2.1	
GS-29A4-00-01	SW6020	SILVER	3.6		0.056	0.11	MG/KG	3.6	
GS-29A4-00-01	SW6020	SODIUM	260		15	99	MG/KG	260	
GS-29A4-00-01	SW6020	THALLIUM	0.52		0.0097	0.0099	MG/KG	0.52	
GS-29A4-00-01	SW6020	VANADIUM	37		0.13	0.49	MG/KG	37	
GS-29A4-00-01	SW6020	ZINC	370		4.1	9.9	MG/KG	370	
GS-29A4-01-06	SW6020	ALUMINUM	4400		6.3	14	MG/KG	4400	
GS-29A4-01-06	SW6020	ANTIMONY	2.4		0.03	0.096	MG/KG	2.4	
GS-29A4-01-06	SW6020	ARSENIC	100		0.047	0.19	MG/KG	100	
GS-29A4-01-06	SW6020	BARIUM	160		0.22	0.48	MG/KG	160	
GS-29A4-01-06	SW6020	BERYLLIUM	0.78		0.0087	0.048	MG/KG	0.78	
GS-29A4-01-06	SW6020	CADMIUM	1.8		0.037	0.19	MG/KG	1.8	
GS-29A4-01-06	SW6020	CALCIUM	16000		18	96	MG/KG	16000	
GS-29A4-01-06	SW6020	CHROMIUM	27		0.53	0.96	MG/KG	27	
GS-29A4-01-06	SW6020	COBALT	5.8		0.041	0.48	MG/KG	5.8	
GS-29A4-01-06	SW6020	COPPER	66		0.28	1.9	MG/KG	66	
GS-29A4-01-06	SW6020	IRON	40000		11	19	MG/KG	40000	
GS-29A4-01-06	SW6020	LEAD	610		0.64	1.9	MG/KG	610	
GS-29A4-01-06	SW6020	MAGNESIUM	4800		3.2	9.6	MG/KG	4800	
GS-29A4-01-06	SW6020	MANGANESE	560		0.37	0.72	MG/KG	560	
GS-29A4-01-06	SW6020	NICKEL	19		0.42	1.9	MG/KG	19	
GS-29A4-01-06	SW6020	POTASSIUM	2400		14	96	MG/KG	2400	
GS-29A4-01-06	SW6020	SELENIUM	2		0.21	0.96	MG/KG	2	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-29A4-01-06	SW6020	SILVER	4.1		0.055	0.11	MG/KG	4.1	
GS-29A4-01-06	SW6020	SODIUM	250		14	96	MG/KG	250	
GS-29A4-01-06	SW6020	THALLIUM	0.51		0.0094	0.0096	MG/KG	0.51	
GS-29A4-01-06	SW6020	VANADIUM	37		0.13	0.48	MG/KG	37	
GS-29A4-01-06	SW6020	ZINC	390		3.9	9.6	MG/KG	390	
GS-29A5-00-01	SW6020	ALUMINUM	4900		6.5	15	MG/KG	4900	
GS-29A5-00-01	SW6020	ANTIMONY	2.2		0.031	0.1	MG/KG	2.2	
GS-29A5-00-01	SW6020	ARSENIC	95		0.049	0.2	MG/KG	95	
GS-29A5-00-01	SW6020	BARIUM	160		0.23	0.5	MG/KG	160	
GS-29A5-00-01	SW6020	BERYLLIUM	0.65		0.009	0.05	MG/KG	0.65	
GS-29A5-00-01	SW6020	CADMIUM	2.5		0.038	0.2	MG/KG	2.5	
GS-29A5-00-01	SW6020	CALCIUM	7200		18	100	MG/KG	7200	
GS-29A5-00-01	SW6020	CHROMIUM	11		0.55	1	MG/KG	11	
GS-29A5-00-01	SW6020	COBALT	6.5		0.043	0.5	MG/KG	6.5	
GS-29A5-00-01	SW6020	COPPER	61		0.29	2	MG/KG	61	
GS-29A5-00-01	SW6020	IRON	37000		11	20	MG/KG	37000	
GS-29A5-00-01	SW6020	LEAD	500		0.66	2	MG/KG	500	
GS-29A5-00-01	SW6020	MAGNESIUM	2100		3.3	10	MG/KG	2100	
GS-29A5-00-01	SW6020	MANGANESE	650		0.38	0.75	MG/KG	650	
GS-29A5-00-01	SW6020	NICKEL	12		0.44	2	MG/KG	12	
GS-29A5-00-01	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-29A5-00-01	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-29A5-00-01	SW6020	SILVER	3.3		0.057	0.11	MG/KG	3.3	
GS-29A5-00-01	SW6020	SODIUM	210		15	100	MG/KG	210	J+
GS-29A5-00-01	SW6020	THALLIUM	0.47		0.0098	0.01	MG/KG	0.47	
GS-29A5-00-01	SW6020	VANADIUM	38		0.13	0.5	MG/KG	38	
GS-29A5-00-01	SW6020	ZINC	460		4.1	10	MG/KG	460	
GS-29A5-01-06	SW6020	ALUMINUM	4100		6.4	15	MG/KG	4100	
GS-29A5-01-06	SW6020	ANTIMONY	2.6		0.031	0.099	MG/KG	2.6	
GS-29A5-01-06	SW6020	ARSENIC	110		0.048	0.2	MG/KG	110	
GS-29A5-01-06	SW6020	BARIUM	170		0.23	0.49	MG/KG	170	
GS-29A5-01-06	SW6020	BERYLLIUM	0.55		0.0089	0.049	MG/KG	0.55	
GS-29A5-01-06	SW6020	CADMIUM	2		0.037	0.2	MG/KG	2	
GS-29A5-01-06	SW6020	CALCIUM	7600		18	99	MG/KG	7600	
GS-29A5-01-06	SW6020	CHROMIUM	19		0.54	0.99	MG/KG	19	
GS-29A5-01-06	SW6020	COBALT	5.6		0.042	0.49	MG/KG	5.6	
GS-29A5-01-06	SW6020	COPPER	70		0.29	2	MG/KG	70	
GS-29A5-01-06	SW6020	IRON	42000		11	20	MG/KG	42000	
GS-29A5-01-06	SW6020	LEAD	700		0.65	2	MG/KG	700	
GS-29A5-01-06	SW6020	MAGNESIUM	2000		3.3	9.9	MG/KG	2000	
GS-29A5-01-06	SW6020	MANGANESE	560		0.37	0.74	MG/KG	560	
GS-29A5-01-06	SW6020	NICKEL	16		0.43	2	MG/KG	16	
GS-29A5-01-06	SW6020	POTASSIUM	2600		15	99	MG/KG	2600	
GS-29A5-01-06	SW6020	SELENIUM	2		0.22	0.99	MG/KG	2	
GS-29A5-01-06	SW6020	SILVER	4.4		0.056	0.11	MG/KG	4.4	
GS-29A5-01-06	SW6020	SODIUM	240		15	99	MG/KG	240	
GS-29A5-01-06	SW6020	THALLIUM	0.54		0.0097	0.0099	MG/KG	0.54	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-29A5-01-06	SW6020	VANADIUM	38		0.13	0.49	MG/KG	38	
GS-29A5-01-06	SW6020	ZINC	420		4	9.9	MG/KG	420	
GS-29A5-COMP	SW6020	ALUMINUM	2900		6.6	15	MG/KG	2900	
GS-29A5-COMP	SW6020	ANTIMONY	1.8		0.031	0.1	MG/KG	1.8	
GS-29A5-COMP	SW6020	ARSENIC	90		0.049	0.2	MG/KG	90	
GS-29A5-COMP	SW6020	BARIUM	110		0.23	0.5	MG/KG	110	
GS-29A5-COMP	SW6020	BERYLLIUM	0.41		0.0091	0.05	MG/KG	0.41	
GS-29A5-COMP	SW6020	CADMIUM	1.4		0.038	0.2	MG/KG	1.4	
GS-29A5-COMP	SW6020	CALCIUM	4200		19	100	MG/KG	4200	
GS-29A5-COMP	SW6020	CHROMIUM	5.2		0.55	1	MG/KG	5.2	
GS-29A5-COMP	SW6020	COBALT	3.9		0.043	0.5	MG/KG	3.9	
GS-29A5-COMP	SW6020	COPPER	49		0.29	2	MG/KG	49	
GS-29A5-COMP	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-29A5-COMP	SW6020	LEAD	550		0.67	2	MG/KG	550	
GS-29A5-COMP	SW6020	MAGNESIUM	1200		3.3	10	MG/KG	1200	
GS-29A5-COMP	SW6020	MANGANESE	450		0.38	0.76	MG/KG	450	
GS-29A5-COMP	SW6020	NICKEL	6.7		0.44	2	MG/KG	6.7	J+
GS-29A5-COMP	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-29A5-COMP	SW6020	SELENIUM	1.2		0.22	1	MG/KG	1.2	
GS-29A5-COMP	SW6020	SILVER	3.2		0.058	0.12	MG/KG	3.2	
GS-29A5-COMP	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-29A5-COMP	SW6020	THALLIUM	0.44		0.0099	0.01	MG/KG	0.44	
GS-29A5-COMP	SW6020	VANADIUM	34		0.13	0.5	MG/KG	34	
GS-29A5-COMP	SW6020	ZINC	290		4.1	10	MG/KG	290	
GS-29D-00-01	SW6020	ALUMINUM	7200		6.6	15	MG/KG	7200	
GS-29D-00-01	SW6020	ANTIMONY	1.6		0.032	0.1	MG/KG	1.6	
GS-29D-00-01	SW6020	ARSENIC	75		0.05	0.2	MG/KG	75	
GS-29D-00-01	SW6020	BARIUM	190		0.23	0.51	MG/KG	190	
GS-29D-00-01	SW6020	BERYLLIUM	1.4		0.0092	0.051	MG/KG	1.4	
GS-29D-00-01	SW6020	CADMIUM	4.4		0.039	0.2	MG/KG	4.4	
GS-29D-00-01	SW6020	CALCIUM	9800		19	100	MG/KG	9800	
GS-29D-00-01	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-29D-00-01	SW6020	COBALT	6.9		0.044	0.51	MG/KG	6.9	
GS-29D-00-01	SW6020	COPPER	50		0.3	2	MG/KG	50	
GS-29D-00-01	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-29D-00-01	SW6020	LEAD	370		0.067	0.2	MG/KG	370	
GS-29D-00-01	SW6020	MAGNESIUM	3700		3.4	10	MG/KG	3700	
GS-29D-00-01	SW6020	MANGANESE	1100		0.39	0.77	MG/KG	1100	
GS-29D-00-01	SW6020	NICKEL	16		0.45	2	MG/KG	16	
GS-29D-00-01	SW6020	POTASSIUM	3300		15	100	MG/KG	3300	
GS-29D-00-01	SW6020	SELENIUM	2.5		0.23	1	MG/KG	2.5	
GS-29D-00-01	SW6020	SILVER	2.4		0.058	0.12	MG/KG	2.4	
GS-29D-00-01	SW6020	SODIUM	210		15	100	MG/KG	210	
GS-29D-00-01	SW6020	THALLIUM	0.42		0.01	0.01	MG/KG	0.42	
GS-29D-00-01	SW6020	VANADIUM	38		0.13	0.51	MG/KG	38	
GS-29D-00-01	SW6020	ZINC	760		4.2	10	MG/KG	760	
GS-29D-00-01-DUP	SW6020	ALUMINUM	7200		6.7	15	MG/KG	7200	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-29D-00-01-DUP	SW6020	ANTIMONY	1.6		0.032	0.1	MG/KG	1.6	
GS-29D-00-01-DUP	SW6020	ARSENIC	75		0.05	0.21	MG/KG	75	
GS-29D-00-01-DUP	SW6020	BARIUM	190		0.24	0.51	MG/KG	190	
GS-29D-00-01-DUP	SW6020	BERYLLIUM	1.4		0.0093	0.051	MG/KG	1.4	
GS-29D-00-01-DUP	SW6020	CADMIUM	4.4		0.039	0.21	MG/KG	4.4	
GS-29D-00-01-DUP	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-29D-00-01-DUP	SW6020	CHROMIUM	13		0.57	1	MG/KG	13	
GS-29D-00-01-DUP	SW6020	COBALT	7		0.044	0.51	MG/KG	7	
GS-29D-00-01-DUP	SW6020	COPPER	50		0.3	2.1	MG/KG	50	
GS-29D-00-01-DUP	SW6020	IRON	31000		11	21	MG/KG	31000	
GS-29D-00-01-DUP	SW6020	LEAD	370		0.068	0.21	MG/KG	370	
GS-29D-00-01-DUP	SW6020	MAGNESIUM	3800		3.4	10	MG/KG	3800	
GS-29D-00-01-DUP	SW6020	MANGANESE	1100		0.39	0.77	MG/KG	1100	
GS-29D-00-01-DUP	SW6020	NICKEL	15		0.45	2.1	MG/KG	15	
GS-29D-00-01-DUP	SW6020	POTASSIUM	3300		15	100	MG/KG	3300	
GS-29D-00-01-DUP	SW6020	SELENIUM	2.5		0.23	1	MG/KG	2.5	
GS-29D-00-01-DUP	SW6020	SILVER	2.5		0.059	0.12	MG/KG	2.5	
GS-29D-00-01-DUP	SW6020	SODIUM	220		15	100	MG/KG	220	
GS-29D-00-01-DUP	SW6020	THALLIUM	0.43		0.01	0.01	MG/KG	0.43	
GS-29D-00-01-DUP	SW6020	VANADIUM	38		0.13	0.51	MG/KG	38	
GS-29D-00-01-DUP	SW6020	ZINC	780		4.2	10	MG/KG	780	
GS-29D-00-01-TRI	SW6020	ALUMINUM	7300		6.6	15	MG/KG	7300	
GS-29D-00-01-TRI	SW6020	ANTIMONY	1.7		0.031	0.1	MG/KG	1.7	
GS-29D-00-01-TRI	SW6020	ARSENIC	78		0.05	0.2	MG/KG	78	
GS-29D-00-01-TRI	SW6020	BARIUM	180		0.23	0.51	MG/KG	180	
GS-29D-00-01-TRI	SW6020	BERYLLIUM	1.3		0.0091	0.051	MG/KG	1.3	
GS-29D-00-01-TRI	SW6020	CADMIUM	4.3		0.039	0.2	MG/KG	4.3	
GS-29D-00-01-TRI	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-29D-00-01-TRI	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-29D-00-01-TRI	SW6020	COBALT	7.2		0.044	0.51	MG/KG	7.2	
GS-29D-00-01-TRI	SW6020	COPPER	52		0.29	2	MG/KG	52	
GS-29D-00-01-TRI	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-29D-00-01-TRI	SW6020	LEAD	370		0.067	0.2	MG/KG	370	
GS-29D-00-01-TRI	SW6020	MAGNESIUM	3800		3.3	10	MG/KG	3800	
GS-29D-00-01-TRI	SW6020	MANGANESE	1100		0.39	0.76	MG/KG	1100	
GS-29D-00-01-TRI	SW6020	NICKEL	16		0.45	2	MG/KG	16	
GS-29D-00-01-TRI	SW6020	POTASSIUM	3300		15	100	MG/KG	3300	
GS-29D-00-01-TRI	SW6020	SELENIUM	2.4		0.23	1	MG/KG	2.4	
GS-29D-00-01-TRI	SW6020	SILVER	2.5		0.058	0.12	MG/KG	2.5	
GS-29D-00-01-TRI	SW6020	SODIUM	220		15	100	MG/KG	220	
GS-29D-00-01-TRI	SW6020	THALLIUM	0.42		0.0099	0.01	MG/KG	0.42	
GS-29D-00-01-TRI	SW6020	VANADIUM	39		0.13	0.51	MG/KG	39	
GS-29D-00-01-TRI	SW6020	ZINC	770		4.2	10	MG/KG	770	
GS-29D-01-06	SW6020	ALUMINUM	8600		6.9	16	MG/KG	8600	
GS-29D-01-06	SW6020	ANTIMONY	1.8		0.033	0.11	MG/KG	1.8	
GS-29D-01-06	SW6020	ARSENIC	79		0.052	0.21	MG/KG	79	
GS-29D-01-06	SW6020	BARIUM	220		0.25	0.53	MG/KG	220	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-29D-01-06	SW6020	BERYLLIUM	1.7		0.0096	0.053	MG/KG	1.7	
GS-29D-01-06	SW6020	CADMIUM	3.8		0.041	0.21	MG/KG	3.8	
GS-29D-01-06	SW6020	CALCIUM	8100		20	110	MG/KG	8100	
GS-29D-01-06	SW6020	CHROMIUM	14		0.59	1.1	MG/KG	14	
GS-29D-01-06	SW6020	COBALT	7.3		0.046	0.53	MG/KG	7.3	
GS-29D-01-06	SW6020	COPPER	43		0.31	2.1	MG/KG	43	
GS-29D-01-06	SW6020	IRON	30000		12	21	MG/KG	30000	
GS-29D-01-06	SW6020	LEAD	280		0.07	0.21	MG/KG	280	
GS-29D-01-06	SW6020	MAGNESIUM	3300		3.5	11	MG/KG	3300	
GS-29D-01-06	SW6020	MANGANESE	1100		0.41	0.8	MG/KG	1100	
GS-29D-01-06	SW6020	NICKEL	26		0.47	2.1	MG/KG	26	
GS-29D-01-06	SW6020	POTASSIUM	3000		16	110	MG/KG	3000	
GS-29D-01-06	SW6020	SELENIUM	2.9		0.24	1.1	MG/KG	2.9	
GS-29D-01-06	SW6020	SILVER	2		0.061	0.12	MG/KG	2	
GS-29D-01-06	SW6020	SODIUM	160		16	110	MG/KG	160	J+
GS-29D-01-06	SW6020	THALLIUM	0.45		0.01	0.011	MG/KG	0.45	
GS-29D-01-06	SW6020	VANADIUM	45		0.14	0.53	MG/KG	45	
GS-29D-01-06	SW6020	ZINC	590		4.4	11	MG/KG	590	
GS-29D-01-06-DUP	SW6020	ALUMINUM	8700		6.9	16	MG/KG	8700	
GS-29D-01-06-DUP	SW6020	ANTIMONY	1.8		0.033	0.11	MG/KG	1.8	
GS-29D-01-06-DUP	SW6020	ARSENIC	78		0.052	0.21	MG/KG	78	
GS-29D-01-06-DUP	SW6020	BARIUM	220		0.24	0.53	MG/KG	220	
GS-29D-01-06-DUP	SW6020	BERYLLIUM	1.8		0.0095	0.053	MG/KG	1.8	
GS-29D-01-06-DUP	SW6020	CADMIUM	3.8		0.04	0.21	MG/KG	3.8	
GS-29D-01-06-DUP	SW6020	CALCIUM	8100		20	110	MG/KG	8100	
GS-29D-01-06-DUP	SW6020	CHROMIUM	14		0.58	1.1	MG/KG	14	
GS-29D-01-06-DUP	SW6020	COBALT	7.3		0.045	0.53	MG/KG	7.3	
GS-29D-01-06-DUP	SW6020	COPPER	48		0.31	2.1	MG/KG	48	
GS-29D-01-06-DUP	SW6020	IRON	30000		12	21	MG/KG	30000	
GS-29D-01-06-DUP	SW6020	LEAD	280		0.07	0.21	MG/KG	280	
GS-29D-01-06-DUP	SW6020	MAGNESIUM	3400		3.5	11	MG/KG	3400	
GS-29D-01-06-DUP	SW6020	MANGANESE	1100		0.4	0.79	MG/KG	1100	
GS-29D-01-06-DUP	SW6020	NICKEL	25		0.46	2.1	MG/KG	25	
GS-29D-01-06-DUP	SW6020	POTASSIUM	3000		16	110	MG/KG	3000	
GS-29D-01-06-DUP	SW6020	SELENIUM	2.9		0.23	1.1	MG/KG	2.9	
GS-29D-01-06-DUP	SW6020	SILVER	2		0.06	0.12	MG/KG	2	
GS-29D-01-06-DUP	SW6020	SODIUM	170		16	110	MG/KG	170	J+
GS-29D-01-06-DUP	SW6020	THALLIUM	0.44		0.01	0.011	MG/KG	0.44	
GS-29D-01-06-DUP	SW6020	VANADIUM	45		0.14	0.53	MG/KG	45	
GS-29D-01-06-DUP	SW6020	ZINC	600		4.3	11	MG/KG	600	
GS-29D-01-06-TRI	SW6020	ALUMINUM	9100		6.8	16	MG/KG	9100	
GS-29D-01-06-TRI	SW6020	ANTIMONY	1.7		0.032	0.1	MG/KG	1.7	
GS-29D-01-06-TRI	SW6020	ARSENIC	79		0.051	0.21	MG/KG	79	
GS-29D-01-06-TRI	SW6020	BARIUM	250		0.24	0.52	MG/KG	250	
GS-29D-01-06-TRI	SW6020	BERYLLIUM	1.8		0.0094	0.052	MG/KG	1.8	
GS-29D-01-06-TRI	SW6020	CADMIUM	3.9		0.04	0.21	MG/KG	3.9	
GS-29D-01-06-TRI	SW6020	CALCIUM	8200		19	100	MG/KG	8200	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-29D-01-06-TRI	SW6020	CHROMIUM	15		0.57	1	MG/KG	15	
GS-29D-01-06-TRI	SW6020	COBALT	7.6		0.045	0.52	MG/KG	7.6	
GS-29D-01-06-TRI	SW6020	COPPER	46		0.3	2.1	MG/KG	46	
GS-29D-01-06-TRI	SW6020	IRON	31000		11	21	MG/KG	31000	
GS-29D-01-06-TRI	SW6020	LEAD	290		0.069	0.21	MG/KG	290	
GS-29D-01-06-TRI	SW6020	MAGNESIUM	3400		3.4	10	MG/KG	3400	
GS-29D-01-06-TRI	SW6020	MANGANESE	1200		0.4	0.78	MG/KG	1200	
GS-29D-01-06-TRI	SW6020	NICKEL	23		0.46	2.1	MG/KG	23	
GS-29D-01-06-TRI	SW6020	POTASSIUM	3100		16	100	MG/KG	3100	
GS-29D-01-06-TRI	SW6020	SELENIUM	3		0.23	1	MG/KG	3	
GS-29D-01-06-TRI	SW6020	SILVER	2.2		0.059	0.12	MG/KG	2.2	
GS-29D-01-06-TRI	SW6020	SODIUM	170		16	100	MG/KG	170	J+
GS-29D-01-06-TRI	SW6020	THALLIUM	0.45		0.01	0.01	MG/KG	0.45	
GS-29D-01-06-TRI	SW6020	VANADIUM	47		0.14	0.52	MG/KG	47	
GS-29D-01-06-TRI	SW6020	ZINC	620		4.3	10	MG/KG	620	
GS-30A-00-01	SW6020	ALUMINUM	5600		6.6	15	MG/KG	5600	
GS-30A-00-01	SW6020	ANTIMONY	2.2		0.031	0.1	MG/KG	2.2	
GS-30A-00-01	SW6020	ARSENIC	92		0.05	0.2	MG/KG	92	
GS-30A-00-01	SW6020	BARIUM	160		0.23	0.51	MG/KG	160	
GS-30A-00-01	SW6020	BERYLLIUM	0.66		0.0091	0.051	MG/KG	0.66	
GS-30A-00-01	SW6020	CADMIUM	2.3		0.039	0.2	MG/KG	2.3	
GS-30A-00-01	SW6020	CALCIUM	7100		19	100	MG/KG	7100	
GS-30A-00-01	SW6020	CHROMIUM	17		0.56	1	MG/KG	17	
GS-30A-00-01	SW6020	COBALT	7.3		0.044	0.51	MG/KG	7.3	
GS-30A-00-01	SW6020	COPPER	59		0.29	2	MG/KG	59	
GS-30A-00-01	SW6020	IRON	38000		11	20	MG/KG	38000	
GS-30A-00-01	SW6020	LEAD	480		0.067	0.2	MG/KG	480	
GS-30A-00-01	SW6020	MAGNESIUM	2300		3.3	10	MG/KG	2300	
GS-30A-00-01	SW6020	MANGANESE	760		0.39	0.76	MG/KG	760	
GS-30A-00-01	SW6020	NICKEL	17		0.45	2	MG/KG	17	
GS-30A-00-01	SW6020	POTASSIUM	3100		15	100	MG/KG	3100	
GS-30A-00-01	SW6020	SELENIUM	2.2		0.23	1	MG/KG	2.2	
GS-30A-00-01	SW6020	SILVER	3.2		0.058	0.12	MG/KG	3.2	
GS-30A-00-01	SW6020	SODIUM	270		15	100	MG/KG	270	
GS-30A-00-01	SW6020	THALLIUM	0.48		0.0099	0.01	MG/KG	0.48	
GS-30A-00-01	SW6020	VANADIUM	41		0.13	0.51	MG/KG	41	
GS-30A-00-01	SW6020	ZINC	450		4.2	10	MG/KG	450	
GS-30A-01-06	SW6020	ALUMINUM	4500		6.3	15	MG/KG	4500	
GS-30A-01-06	SW6020	ANTIMONY	1.8		0.03	0.098	MG/KG	1.8	
GS-30A-01-06	SW6020	ARSENIC	110		0.048	0.2	MG/KG	110	
GS-30A-01-06	SW6020	BARIUM	190		0.22	0.49	MG/KG	190	
GS-30A-01-06	SW6020	BERYLLIUM	0.5		0.0088	0.049	MG/KG	0.5	
GS-30A-01-06	SW6020	CADMIUM	1.9		0.037	0.2	MG/KG	1.9	
GS-30A-01-06	SW6020	CALCIUM	7500		18	98	MG/KG	7500	
GS-30A-01-06	SW6020	CHROMIUM	16		0.54	0.98	MG/KG	16	
GS-30A-01-06	SW6020	COBALT	6		0.042	0.49	MG/KG	6	
GS-30A-01-06	SW6020	COPPER	77		0.28	2	MG/KG	77	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-30A-01-06	SW6020	IRON	46000		11	20	MG/KG	46000	
GS-30A-01-06	SW6020	LEAD	650		0.64	2	MG/KG	650	
GS-30A-01-06	SW6020	MAGNESIUM	1700		3.2	9.8	MG/KG	1700	
GS-30A-01-06	SW6020	MANGANESE	580		0.37	0.73	MG/KG	580	
GS-30A-01-06	SW6020	NICKEL	15		0.43	2	MG/KG	15	
GS-30A-01-06	SW6020	POTASSIUM	2900		15	98	MG/KG	2900	
GS-30A-01-06	SW6020	SELENIUM	2.1		0.22	0.98	MG/KG	2.1	
GS-30A-01-06	SW6020	SILVER	4.2		0.056	0.11	MG/KG	4.2	
GS-30A-01-06	SW6020	SODIUM	280		15	98	MG/KG	280	
GS-30A-01-06	SW6020	THALLIUM	0.53		0.0096	0.0098	MG/KG	0.53	
GS-30A-01-06	SW6020	VANADIUM	39		0.13	0.49	MG/KG	39	
GS-30A-01-06	SW6020	ZINC	460		4	9.8	MG/KG	460	
GS-31A-00-01	SW6020	ALUMINUM	5400		6.6	15	MG/KG	5400	
GS-31A-00-01	SW6020	ANTIMONY	2.1		0.031	0.1	MG/KG	2.1	
GS-31A-00-01	SW6020	ARSENIC	100		0.05	0.2	MG/KG	100	
GS-31A-00-01	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-31A-00-01	SW6020	BERYLLIUM	0.75		0.0091	0.051	MG/KG	0.75	
GS-31A-00-01	SW6020	CADMIUM	3		0.038	0.2	MG/KG	3	
GS-31A-00-01	SW6020	CALCIUM	5900		19	100	MG/KG	5900	
GS-31A-00-01	SW6020	CHROMIUM	20		0.56	1	MG/KG	20	
GS-31A-00-01	SW6020	COBALT	6		0.043	0.51	MG/KG	6	
GS-31A-00-01	SW6020	COPPER	69		0.29	2	MG/KG	69	
GS-31A-00-01	SW6020	IRON	38000		11	20	MG/KG	38000	
GS-31A-00-01	SW6020	LEAD	500		0.067	0.2	MG/KG	500	
GS-31A-00-01	SW6020	MAGNESIUM	2000		3.3	10	MG/KG	2000	
GS-31A-00-01	SW6020	MANGANESE	740		0.38	0.76	MG/KG	740	
GS-31A-00-01	SW6020	NICKEL	12		0.45	2	MG/KG	12	
GS-31A-00-01	SW6020	POTASSIUM	3300		15	100	MG/KG	3300	
GS-31A-00-01	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-31A-00-01	SW6020	SILVER	3.7		0.058	0.12	MG/KG	3.7	
GS-31A-00-01	SW6020	SODIUM	190		15	100	MG/KG	190	J+
GS-31A-00-01	SW6020	THALLIUM	0.51		0.0099	0.01	MG/KG	0.51	
GS-31A-00-01	SW6020	VANADIUM	41		0.13	0.51	MG/KG	41	
GS-31A-00-01	SW6020	ZINC	550		4.1	10	MG/KG	550	
GS-31A-01-06	SW6020	ALUMINUM	5200		6.7	15	MG/KG	5200	
GS-31A-01-06	SW6020	ANTIMONY	2		0.032	0.1	MG/KG	2	
GS-31A-01-06	SW6020	ARSENIC	100		0.05	0.2	MG/KG	100	
GS-31A-01-06	SW6020	BARIUM	220		0.24	0.51	MG/KG	220	
GS-31A-01-06	SW6020	BERYLLIUM	0.67		0.0092	0.051	MG/KG	0.67	
GS-31A-01-06	SW6020	CADMIUM	2.2		0.039	0.2	MG/KG	2.2	
GS-31A-01-06	SW6020	CALCIUM	4500		19	100	MG/KG	4500	
GS-31A-01-06	SW6020	CHROMIUM	9.9		0.56	1	MG/KG	9.9	
GS-31A-01-06	SW6020	COBALT	4.8		0.044	0.51	MG/KG	4.8	
GS-31A-01-06	SW6020	COPPER	75		0.3	2	MG/KG	75	
GS-31A-01-06	SW6020	IRON	43000		11	20	MG/KG	43000	
GS-31A-01-06	SW6020	LEAD	650		0.68	2	MG/KG	650	
GS-31A-01-06	SW6020	MAGNESIUM	1500		3.4	10	MG/KG	1500	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-31A-01-06	SW6020	MANGANESE	520		0.39	0.77	MG/KG	520	
GS-31A-01-06	SW6020	NICKEL	20		0.45	2	MG/KG	20	
GS-31A-01-06	SW6020	POTASSIUM	3100		15	100	MG/KG	3100	
GS-31A-01-06	SW6020	SELENIUM	2.4		0.23	1	MG/KG	2.4	
GS-31A-01-06	SW6020	SILVER	4.5		0.058	0.12	MG/KG	4.5	
GS-31A-01-06	SW6020	SODIUM	220		15	100	MG/KG	220	
GS-31A-01-06	SW6020	THALLIUM	0.57		0.01	0.01	MG/KG	0.57	
GS-31A-01-06	SW6020	VANADIUM	38		0.13	0.51	MG/KG	38	
GS-31A-01-06	SW6020	ZINC	470		4.2	10	MG/KG	470	
GS-32A-00-01	SW6020	ALUMINUM	5900		6.4	15	MG/KG	5900	
GS-32A-00-01	SW6020	ANTIMONY	1.7		0.031	0.099	MG/KG	1.7	
GS-32A-00-01	SW6020	ARSENIC	88		0.049	0.2	MG/KG	88	
GS-32A-00-01	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-32A-00-01	SW6020	BERYLLIUM	0.7		0.0089	0.05	MG/KG	0.7	
GS-32A-00-01	SW6020	CADMIUM	2		0.038	0.2	MG/KG	2	
GS-32A-00-01	SW6020	CALCIUM	6900		18	99	MG/KG	6900	
GS-32A-00-01	SW6020	CHROMIUM	20		0.55	0.99	MG/KG	20	
GS-32A-00-01	SW6020	COBALT	7.2		0.043	0.5	MG/KG	7.2	
GS-32A-00-01	SW6020	COPPER	65		0.29	2	MG/KG	65	
GS-32A-00-01	SW6020	IRON	38000		11	20	MG/KG	38000	
GS-32A-00-01	SW6020	LEAD	440		0.065	0.2	MG/KG	440	
GS-32A-00-01	SW6020	MAGNESIUM	2200		3.3	9.9	MG/KG	2200	
GS-32A-00-01	SW6020	MANGANESE	660		0.38	0.74	MG/KG	660	
GS-32A-00-01	SW6020	NICKEL	17		0.44	2	MG/KG	17	
GS-32A-00-01	SW6020	POTASSIUM	2900		15	99	MG/KG	2900	
GS-32A-00-01	SW6020	SELENIUM	2.4		0.22	0.99	MG/KG	2.4	
GS-32A-00-01	SW6020	SILVER	3.3		0.057	0.11	MG/KG	3.3	
GS-32A-00-01	SW6020	SODIUM	280		15	99	MG/KG	280	
GS-32A-00-01	SW6020	THALLIUM	0.47		0.0097	0.0099	MG/KG	0.47	
GS-32A-00-01	SW6020	VANADIUM	37		0.13	0.5	MG/KG	37	
GS-32A-00-01	SW6020	ZINC	450		4.1	9.9	MG/KG	450	
GS-32A-01-06	SW6020	ALUMINUM	5300		6.6	15	MG/KG	5300	
GS-32A-01-06	SW6020	ANTIMONY	1.9		0.031	0.1	MG/KG	1.9	
GS-32A-01-06	SW6020	ARSENIC	96		0.05	0.2	MG/KG	96	
GS-32A-01-06	SW6020	BARIUM	210		0.23	0.51	MG/KG	210	
GS-32A-01-06	SW6020	BERYLLIUM	0.6		0.0091	0.051	MG/KG	0.6	
GS-32A-01-06	SW6020	CADMIUM	1.9		0.038	0.2	MG/KG	1.9	
GS-32A-01-06	SW6020	CALCIUM	6000		19	100	MG/KG	6000	
GS-32A-01-06	SW6020	CHROMIUM	19		0.56	1	MG/KG	19	
GS-32A-01-06	SW6020	COBALT	5.4		0.044	0.51	MG/KG	5.4	
GS-32A-01-06	SW6020	COPPER	71		0.29	2	MG/KG	71	
GS-32A-01-06	SW6020	IRON	42000		11	20	MG/KG	42000	
GS-32A-01-06	SW6020	LEAD	570		0.67	2	MG/KG	570	
GS-32A-01-06	SW6020	MAGNESIUM	1700		3.3	10	MG/KG	1700	
GS-32A-01-06	SW6020	MANGANESE	450		0.38	0.76	MG/KG	450	
GS-32A-01-06	SW6020	NICKEL	14		0.45	2	MG/KG	14	
GS-32A-01-06	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-32A-01-06	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-32A-01-06	SW6020	SILVER	4.1		0.058	0.12	MG/KG	4.1	
GS-32A-01-06	SW6020	SODIUM	260		15	100	MG/KG	260	
GS-32A-01-06	SW6020	THALLIUM	0.52		0.0099	0.01	MG/KG	0.52	
GS-32A-01-06	SW6020	VANADIUM	36		0.13	0.51	MG/KG	36	
GS-32A-01-06	SW6020	ZINC	420		4.2	10	MG/KG	420	
GS-32A-COMP	SW6020	ALUMINUM	5300		6.9	16	MG/KG	5300	
GS-32A-COMP	SW6020	ANTIMONY	1.1		0.033	0.11	MG/KG	1.1	
GS-32A-COMP	SW6020	ARSENIC	60		0.052	0.21	MG/KG	60	
GS-32A-COMP	SW6020	BARIUM	120		0.24	0.53	MG/KG	120	
GS-32A-COMP	SW6020	BERYLLIUM	0.55		0.0095	0.053	MG/KG	0.55	
GS-32A-COMP	SW6020	CADMIUM	1.2		0.04	0.21	MG/KG	1.2	
GS-32A-COMP	SW6020	CALCIUM	9300		20	110	MG/KG	9300	
GS-32A-COMP	SW6020	CHROMIUM	7.8		0.58	1.1	MG/KG	7.8	
GS-32A-COMP	SW6020	COBALT	7.9		0.045	0.53	MG/KG	7.9	
GS-32A-COMP	SW6020	COPPER	42		0.31	2.1	MG/KG	42	
GS-32A-COMP	SW6020	IRON	33000		12	21	MG/KG	33000	
GS-32A-COMP	SW6020	LEAD	350		0.07	0.21	MG/KG	350	
GS-32A-COMP	SW6020	MAGNESIUM	2500		3.5	11	MG/KG	2500	
GS-32A-COMP	SW6020	MANGANESE	510		0.4	0.79	MG/KG	510	
GS-32A-COMP	SW6020	NICKEL	14		0.46	2.1	MG/KG	14	
GS-32A-COMP	SW6020	POTASSIUM	2300		16	110	MG/KG	2300	
GS-32A-COMP	SW6020	SELENIUM	2.4		0.23	1.1	MG/KG	2.4	
GS-32A-COMP	SW6020	SILVER	2.1		0.06	0.12	MG/KG	2.1	
GS-32A-COMP	SW6020	SODIUM	180		16	110	MG/KG	180	J+
GS-32A-COMP	SW6020	THALLIUM	0.38		0.01	0.011	MG/KG	0.38	
GS-32A-COMP	SW6020	VANADIUM	28		0.14	0.53	MG/KG	28	
GS-32A-COMP	SW6020	ZINC	240		4.3	11	MG/KG	240	
GS-33A-00-01	SW6020	ALUMINUM	7200		6.5	15	MG/KG	7200	
GS-33A-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-33A-00-01	SW6020	ARSENIC	83		0.049	0.2	MG/KG	83	
GS-33A-00-01	SW6020	BARIUM	260		0.23	0.5	MG/KG	260	
GS-33A-00-01	SW6020	BERYLLIUM	0.75		0.009	0.05	MG/KG	0.75	
GS-33A-00-01	SW6020	CADMIUM	2.5		0.038	0.2	MG/KG	2.5	
GS-33A-00-01	SW6020	CALCIUM	9600		18	100	MG/KG	9600	
GS-33A-00-01	SW6020	CHROMIUM	24		0.55	1	MG/KG	24	
GS-33A-00-01	SW6020	COBALT	8.9		0.043	0.5	MG/KG	8.9	
GS-33A-00-01	SW6020	COPPER	55		0.29	2	MG/KG	55	
GS-33A-00-01	SW6020	IRON	37000		11	20	MG/KG	37000	
GS-33A-00-01	SW6020	LEAD	390		0.066	0.2	MG/KG	390	
GS-33A-00-01	SW6020	MAGNESIUM	2900		3.3	10	MG/KG	2900	
GS-33A-00-01	SW6020	MANGANESE	850		0.38	0.75	MG/KG	850	
GS-33A-00-01	SW6020	NICKEL	23		0.44	2	MG/KG	23	
GS-33A-00-01	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-33A-00-01	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-33A-00-01	SW6020	SILVER	2.7		0.057	0.11	MG/KG	2.7	
GS-33A-00-01	SW6020	SODIUM	260		15	100	MG/KG	260	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-33A-00-01	SW6020	THALLIUM	0.47		0.0098	0.01	MG/KG	0.47	
GS-33A-00-01	SW6020	VANADIUM	39		0.13	0.5	MG/KG	39	
GS-33A-00-01	SW6020	ZINC	480		4.1	10	MG/KG	480	
GS-33A-01-06	SW6020	ALUMINUM	6900		6.6	15	MG/KG	6900	
GS-33A-01-06	SW6020	ANTIMONY	1.6		0.031	0.1	MG/KG	1.6	
GS-33A-01-06	SW6020	ARSENIC	96		0.049	0.2	MG/KG	96	
GS-33A-01-06	SW6020	BARIUM	220		0.23	0.5	MG/KG	220	
GS-33A-01-06	SW6020	BERYLLIUM	0.75		0.0091	0.05	MG/KG	0.75	
GS-33A-01-06	SW6020	CADMIUM	2.9		0.038	0.2	MG/KG	2.9	
GS-33A-01-06	SW6020	CALCIUM	7800		19	100	MG/KG	7800	
GS-33A-01-06	SW6020	CHROMIUM	18		0.55	1	MG/KG	18	
GS-33A-01-06	SW6020	COBALT	9		0.043	0.5	MG/KG	9	
GS-33A-01-06	SW6020	COPPER	60		0.29	2	MG/KG	60	
GS-33A-01-06	SW6020	IRON	41000		11	20	MG/KG	41000	
GS-33A-01-06	SW6020	LEAD	450		0.067	0.2	MG/KG	450	
GS-33A-01-06	SW6020	MAGNESIUM	2400		3.3	10	MG/KG	2400	
GS-33A-01-06	SW6020	MANGANESE	880		0.38	0.76	MG/KG	880	
GS-33A-01-06	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-33A-01-06	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-33A-01-06	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-33A-01-06	SW6020	SILVER	3.3		0.058	0.12	MG/KG	3.3	
GS-33A-01-06	SW6020	SODIUM	260		15	100	MG/KG	260	
GS-33A-01-06	SW6020	THALLIUM	0.54		0.0099	0.01	MG/KG	0.54	
GS-33A-01-06	SW6020	VANADIUM	40		0.13	0.5	MG/KG	40	
GS-33A-01-06	SW6020	ZINC	500		4.1	10	MG/KG	500	
GS-34A-00-01	SW6020	ALUMINUM	6200		6.5	15	MG/KG	6200	
GS-34A-00-01	SW6020	ANTIMONY	1.7		0.031	0.099	MG/KG	1.7	
GS-34A-00-01	SW6020	ARSENIC	89		0.049	0.2	MG/KG	89	
GS-34A-00-01	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-34A-00-01	SW6020	BERYLLIUM	0.71		0.0089	0.05	MG/KG	0.71	
GS-34A-00-01	SW6020	CADMIUM	2.6		0.038	0.2	MG/KG	2.6	
GS-34A-00-01	SW6020	CALCIUM	6300		18	99	MG/KG	6300	
GS-34A-00-01	SW6020	CHROMIUM	21		0.55	0.99	MG/KG	21	
GS-34A-00-01	SW6020	COBALT	7.3		0.043	0.5	MG/KG	7.3	
GS-34A-00-01	SW6020	COPPER	64		0.29	2	MG/KG	64	
GS-34A-00-01	SW6020	IRON	40000		11	20	MG/KG	40000	
GS-34A-00-01	SW6020	LEAD	450		0.066	0.2	MG/KG	450	
GS-34A-00-01	SW6020	MAGNESIUM	2100		3.3	9.9	MG/KG	2100	
GS-34A-00-01	SW6020	MANGANESE	710		0.38	0.75	MG/KG	710	
GS-34A-00-01	SW6020	NICKEL	18		0.44	2	MG/KG	18	
GS-34A-00-01	SW6020	POTASSIUM	3000		15	99	MG/KG	3000	
GS-34A-00-01	SW6020	SELENIUM	2.5		0.22	0.99	MG/KG	2.5	
GS-34A-00-01	SW6020	SILVER	3.1		0.057	0.11	MG/KG	3.1	
GS-34A-00-01	SW6020	SODIUM	230		15	99	MG/KG	230	
GS-34A-00-01	SW6020	THALLIUM	0.49		0.0097	0.0099	MG/KG	0.49	
GS-34A-00-01	SW6020	VANADIUM	37		0.13	0.5	MG/KG	37	
GS-34A-00-01	SW6020	ZINC	540		4.1	9.9	MG/KG	540	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-34A-01-06	SW6020	ALUMINUM	6800		6.6	15	MG/KG	6800	
GS-34A-01-06	SW6020	ANTIMONY	1.4		0.032	0.1	MG/KG	1.4	
GS-34A-01-06	SW6020	ARSENIC	77		0.05	0.2	MG/KG	77	
GS-34A-01-06	SW6020	BARIUM	180		0.24	0.51	MG/KG	180	
GS-34A-01-06	SW6020	BERYLLIUM	0.73		0.0092	0.051	MG/KG	0.73	
GS-34A-01-06	SW6020	CADMIUM	3.4		0.039	0.2	MG/KG	3.4	
GS-34A-01-06	SW6020	CALCIUM	6700		19	100	MG/KG	6700	
GS-34A-01-06	SW6020	CHROMIUM	20		0.56	1	MG/KG	20	
GS-34A-01-06	SW6020	COBALT	8.7		0.044	0.51	MG/KG	8.7	
GS-34A-01-06	SW6020	COPPER	57		0.3	2	MG/KG	57	
GS-34A-01-06	SW6020	IRON	39000		11	20	MG/KG	39000	
GS-34A-01-06	SW6020	LEAD	410		0.68	2	MG/KG	410	
GS-34A-01-06	SW6020	MAGNESIUM	2300		3.4	10	MG/KG	2300	
GS-34A-01-06	SW6020	MANGANESE	770		0.39	0.77	MG/KG	770	
GS-34A-01-06	SW6020	NICKEL	20		0.45	2	MG/KG	20	
GS-34A-01-06	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-34A-01-06	SW6020	SELENIUM	2.8		0.23	1	MG/KG	2.8	
GS-34A-01-06	SW6020	SILVER	2.8		0.058	0.12	MG/KG	2.8	
GS-34A-01-06	SW6020	SODIUM	240		15	100	MG/KG	240	
GS-34A-01-06	SW6020	THALLIUM	0.47		0.01	0.01	MG/KG	0.47	
GS-34A-01-06	SW6020	VANADIUM	35		0.13	0.51	MG/KG	35	
GS-34A-01-06	SW6020	ZINC	520		4.2	10	MG/KG	520	
GS-35A-00-01	SW6020	ALUMINUM	6800		6.5	15	MG/KG	6800	
GS-35A-00-01	SW6020	ANTIMONY	1.4		0.031	0.1	MG/KG	1.4	
GS-35A-00-01	SW6020	ARSENIC	74		0.049	0.2	MG/KG	74	
GS-35A-00-01	SW6020	BARIUM	230		0.23	0.5	MG/KG	230	
GS-35A-00-01	SW6020	BERYLLIUM	0.77		0.009	0.05	MG/KG	0.77	
GS-35A-00-01	SW6020	CADMIUM	2.3		0.038	0.2	MG/KG	2.3	
GS-35A-00-01	SW6020	CALCIUM	7300		18	100	MG/KG	7300	
GS-35A-00-01	SW6020	CHROMIUM	27		0.55	1	MG/KG	27	
GS-35A-00-01	SW6020	COBALT	7.7		0.043	0.5	MG/KG	7.7	
GS-35A-00-01	SW6020	COPPER	52		0.29	2	MG/KG	52	
GS-35A-00-01	SW6020	IRON	34000		11	20	MG/KG	34000	
GS-35A-00-01	SW6020	LEAD	320		0.066	0.2	MG/KG	320	
GS-35A-00-01	SW6020	MAGNESIUM	2300		3.3	10	MG/KG	2300	
GS-35A-00-01	SW6020	MANGANESE	750		0.38	0.75	MG/KG	750	
GS-35A-00-01	SW6020	NICKEL	22		0.44	2	MG/KG	22	
GS-35A-00-01	SW6020	POTASSIUM	3500		15	100	MG/KG	3500	
GS-35A-00-01	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-35A-00-01	SW6020	SILVER	2.6		0.057	0.11	MG/KG	2.6	
GS-35A-00-01	SW6020	SODIUM	220		15	100	MG/KG	220	
GS-35A-00-01	SW6020	THALLIUM	0.45		0.0098	0.01	MG/KG	0.45	
GS-35A-00-01	SW6020	VANADIUM	37		0.13	0.5	MG/KG	37	
GS-35A-00-01	SW6020	ZINC	440		4.1	10	MG/KG	440	
GS-35A-01-06	SW6020	ALUMINUM	6800		6.5	15	MG/KG	6800	
GS-35A-01-06	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-35A-01-06	SW6020	ARSENIC	75		0.049	0.2	MG/KG	75	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-35A-01-06	SW6020	BARIUM	210		0.23	0.5	MG/KG	210	
GS-35A-01-06	SW6020	BERYLLIUM	0.8		0.0091	0.05	MG/KG	0.8	
GS-35A-01-06	SW6020	CADMIUM	2.9		0.038	0.2	MG/KG	2.9	
GS-35A-01-06	SW6020	CALCIUM	7000		19	100	MG/KG	7000	
GS-35A-01-06	SW6020	CHROMIUM	22		0.55	1	MG/KG	22	
GS-35A-01-06	SW6020	COBALT	8.2		0.043	0.5	MG/KG	8.2	
GS-35A-01-06	SW6020	COPPER	56		0.29	2	MG/KG	56	
GS-35A-01-06	SW6020	IRON	36000		11	20	MG/KG	36000	
GS-35A-01-06	SW6020	LEAD	370		0.066	0.2	MG/KG	370	
GS-35A-01-06	SW6020	MAGNESIUM	2200		3.3	10	MG/KG	2200	
GS-35A-01-06	SW6020	MANGANESE	890		0.38	0.76	MG/KG	890	
GS-35A-01-06	SW6020	NICKEL	19		0.44	2	MG/KG	19	
GS-35A-01-06	SW6020	POTASSIUM	3400		15	100	MG/KG	3400	
GS-35A-01-06	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-35A-01-06	SW6020	SILVER	2.7		0.057	0.11	MG/KG	2.7	
GS-35A-01-06	SW6020	SODIUM	220		15	100	MG/KG	220	
GS-35A-01-06	SW6020	THALLIUM	0.48		0.0099	0.01	MG/KG	0.48	
GS-35A-01-06	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	
GS-35A-01-06	SW6020	ZINC	490		4.1	10	MG/KG	490	
GS-35A-COMP	SW6020	ALUMINUM	6200		6.8	16	MG/KG	6200	
GS-35A-COMP	SW6020	ANTIMONY	1.2		0.033	0.11	MG/KG	1.2	
GS-35A-COMP	SW6020	ARSENIC	69		0.052	0.21	MG/KG	69	
GS-35A-COMP	SW6020	BARIUM	180		0.24	0.53	MG/KG	180	
GS-35A-COMP	SW6020	BERYLLIUM	0.63		0.0095	0.053	MG/KG	0.63	
GS-35A-COMP	SW6020	CADMIUM	2		0.04	0.21	MG/KG	2	
GS-35A-COMP	SW6020	CALCIUM	6400		19	110	MG/KG	6400	
GS-35A-COMP	SW6020	CHROMIUM	8.6		0.58	1.1	MG/KG	8.6	
GS-35A-COMP	SW6020	COBALT	8.7		0.045	0.53	MG/KG	8.7	
GS-35A-COMP	SW6020	COPPER	50		0.31	2.1	MG/KG	50	
GS-35A-COMP	SW6020	IRON	35000		12	21	MG/KG	35000	
GS-35A-COMP	SW6020	LEAD	390		0.07	0.21	MG/KG	390	
GS-35A-COMP	SW6020	MAGNESIUM	2200		3.5	11	MG/KG	2200	
GS-35A-COMP	SW6020	MANGANESE	730		0.4	0.79	MG/KG	730	
GS-35A-COMP	SW6020	NICKEL	15		0.46	2.1	MG/KG	15	
GS-35A-COMP	SW6020	POTASSIUM	2600		16	110	MG/KG	2600	
GS-35A-COMP	SW6020	SELENIUM	2.3		0.23	1.1	MG/KG	2.3	
GS-35A-COMP	SW6020	SILVER	2.3		0.06	0.12	MG/KG	2.3	
GS-35A-COMP	SW6020	SODIUM	160		16	110	MG/KG	160	J+
GS-35A-COMP	SW6020	THALLIUM	0.45		0.01	0.011	MG/KG	0.45	
GS-35A-COMP	SW6020	VANADIUM	32		0.14	0.53	MG/KG	32	
GS-35A-COMP	SW6020	ZINC	380		4.3	11	MG/KG	380	
GS-36A-00-01	SW6020	ALUMINUM	6800		6.5	15	MG/KG	6800	
GS-36A-00-01	SW6020	ANTIMONY	1.7		0.031	0.1	MG/KG	1.7	
GS-36A-00-01	SW6020	ARSENIC	96		0.049	0.2	MG/KG	96	
GS-36A-00-01	SW6020	BARIUM	220		0.23	0.5	MG/KG	220	
GS-36A-00-01	SW6020	BERYLLIUM	0.82		0.0091	0.05	MG/KG	0.82	
GS-36A-00-01	SW6020	CADMIUM	3		0.038	0.2	MG/KG	3	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-36A-00-01	SW6020	CALCIUM	8100		19	100	MG/KG	8100	
GS-36A-00-01	SW6020	CHROMIUM	20		0.55	1	MG/KG	20	
GS-36A-00-01	SW6020	COBALT	7.7		0.043	0.5	MG/KG	7.7	
GS-36A-00-01	SW6020	COPPER	57		0.29	2	MG/KG	57	
GS-36A-00-01	SW6020	IRON	36000		11	20	MG/KG	36000	
GS-36A-00-01	SW6020	LEAD	350		0.066	0.2	MG/KG	350	
GS-36A-00-01	SW6020	MAGNESIUM	2500		3.3	10	MG/KG	2500	
GS-36A-00-01	SW6020	MANGANESE	900		0.38	0.75	MG/KG	900	
GS-36A-00-01	SW6020	NICKEL	18		0.44	2	MG/KG	18	
GS-36A-00-01	SW6020	POTASSIUM	3300		15	100	MG/KG	3300	
GS-36A-00-01	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-36A-00-01	SW6020	SILVER	2.7		0.057	0.11	MG/KG	2.7	
GS-36A-00-01	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-36A-00-01	SW6020	THALLIUM	0.5		0.0099	0.01	MG/KG	0.5	
GS-36A-00-01	SW6020	VANADIUM	44		0.13	0.5	MG/KG	44	
GS-36A-00-01	SW6020	ZINC	550		4.1	10	MG/KG	550	
GS-36A-01-06	SW6020	ALUMINUM	7200		6.5	15	MG/KG	7200	
GS-36A-01-06	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-36A-01-06	SW6020	ARSENIC	80		0.049	0.2	MG/KG	80	
GS-36A-01-06	SW6020	BARIUM	240		0.23	0.5	MG/KG	240	
GS-36A-01-06	SW6020	BERYLLIUM	0.85		0.009	0.05	MG/KG	0.85	
GS-36A-01-06	SW6020	CADMIUM	2.6		0.038	0.2	MG/KG	2.6	
GS-36A-01-06	SW6020	CALCIUM	8000		19	100	MG/KG	8000	
GS-36A-01-06	SW6020	CHROMIUM	20		0.55	1	MG/KG	20	
GS-36A-01-06	SW6020	COBALT	7.9		0.043	0.5	MG/KG	7.9	
GS-36A-01-06	SW6020	COPPER	52		0.29	2	MG/KG	52	
GS-36A-01-06	SW6020	IRON	35000		11	20	MG/KG	35000	
GS-36A-01-06	SW6020	LEAD	320		0.066	0.2	MG/KG	320	
GS-36A-01-06	SW6020	MAGNESIUM	2500		3.3	10	MG/KG	2500	
GS-36A-01-06	SW6020	MANGANESE	780		0.38	0.75	MG/KG	780	
GS-36A-01-06	SW6020	NICKEL	19		0.44	2	MG/KG	19	
GS-36A-01-06	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-36A-01-06	SW6020	SELENIUM	2.8		0.22	1	MG/KG	2.8	
GS-36A-01-06	SW6020	SILVER	2.3		0.057	0.11	MG/KG	2.3	
GS-36A-01-06	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-36A-01-06	SW6020	THALLIUM	0.48		0.0098	0.01	MG/KG	0.48	
GS-36A-01-06	SW6020	VANADIUM	39		0.13	0.5	MG/KG	39	
GS-36A-01-06	SW6020	ZINC	490		4.1	10	MG/KG	490	
GS-37A-00-01	SW6020	ALUMINUM	7700		6.5	15	MG/KG	7700	
GS-37A-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-37A-00-01	SW6020	ARSENIC	61		0.049	0.2	MG/KG	61	
GS-37A-00-01	SW6020	BARIUM	210		0.23	0.5	MG/KG	210	
GS-37A-00-01	SW6020	BERYLLIUM	0.83		0.009	0.05	MG/KG	0.83	
GS-37A-00-01	SW6020	CADMIUM	3.4		0.038	0.2	MG/KG	3.4	
GS-37A-00-01	SW6020	CALCIUM	8200		19	100	MG/KG	8200	
GS-37A-00-01	SW6020	CHROMIUM	22		0.55	1	MG/KG	22	
GS-37A-00-01	SW6020	COBALT	8.4		0.043	0.5	MG/KG	8.4	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-37A-00-01	SW6020	COPPER	48		0.29	2	MG/KG	48	
GS-37A-00-01	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-37A-00-01	SW6020	LEAD	240		0.066	0.2	MG/KG	240	
GS-37A-00-01	SW6020	MAGNESIUM	2600		3.3	10	MG/KG	2600	
GS-37A-00-01	SW6020	MANGANESE	1100		0.38	0.75	MG/KG	1100	
GS-37A-00-01	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-37A-00-01	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-37A-00-01	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-37A-00-01	SW6020	SILVER	1.9		0.057	0.11	MG/KG	1.9	
GS-37A-00-01	SW6020	SODIUM	190		15	100	MG/KG	190	J+
GS-37A-00-01	SW6020	THALLIUM	0.41		0.0098	0.01	MG/KG	0.41	
GS-37A-00-01	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	
GS-37A-00-01	SW6020	ZINC	550		4.1	10	MG/KG	550	
GS-37A-01-06	SW6020	ALUMINUM	7900		6.4	15	MG/KG	7900	
GS-37A-01-06	SW6020	ANTIMONY	0.99		0.031	0.099	MG/KG	0.99	
GS-37A-01-06	SW6020	ARSENIC	65		0.049	0.2	MG/KG	65	
GS-37A-01-06	SW6020	BARIUM	260		0.23	0.5	MG/KG	260	
GS-37A-01-06	SW6020	BERYLLIUM	0.87		0.0089	0.05	MG/KG	0.87	
GS-37A-01-06	SW6020	CADMIUM	3.8		0.038	0.2	MG/KG	3.8	
GS-37A-01-06	SW6020	CALCIUM	8400		18	99	MG/KG	8400	
GS-37A-01-06	SW6020	CHROMIUM	24		0.54	0.99	MG/KG	24	
GS-37A-01-06	SW6020	COBALT	8.9		0.043	0.5	MG/KG	8.9	
GS-37A-01-06	SW6020	COPPER	50		0.29	2	MG/KG	50	
GS-37A-01-06	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-37A-01-06	SW6020	LEAD	270		0.065	0.2	MG/KG	270	
GS-37A-01-06	SW6020	MAGNESIUM	2500		3.3	9.9	MG/KG	2500	
GS-37A-01-06	SW6020	MANGANESE	1300		0.38	0.74	MG/KG	1300	
GS-37A-01-06	SW6020	NICKEL	22		0.44	2	MG/KG	22	
GS-37A-01-06	SW6020	POTASSIUM	3000		15	99	MG/KG	3000	
GS-37A-01-06	SW6020	SELENIUM	2.8		0.22	0.99	MG/KG	2.8	
GS-37A-01-06	SW6020	SILVER	2.1		0.056	0.11	MG/KG	2.1	
GS-37A-01-06	SW6020	SODIUM	200		15	99	MG/KG	200	J+
GS-37A-01-06	SW6020	THALLIUM	0.44		0.0097	0.0099	MG/KG	0.44	
GS-37A-01-06	SW6020	VANADIUM	39		0.13	0.5	MG/KG	39	
GS-37A-01-06	SW6020	ZINC	570		4.1	9.9	MG/KG	570	
GS-38A-00-01	SW6020	ALUMINUM	8400		6.5	15	MG/KG	8400	
GS-38A-00-01	SW6020	ANTIMONY	0.71		0.031	0.1	MG/KG	0.71	
GS-38A-00-01	SW6020	ARSENIC	50		0.049	0.2	MG/KG	50	
GS-38A-00-01	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-38A-00-01	SW6020	BERYLLIUM	0.94		0.009	0.05	MG/KG	0.94	
GS-38A-00-01	SW6020	CADMIUM	6		0.038	0.2	MG/KG	6	
GS-38A-00-01	SW6020	CALCIUM	13000		18	100	MG/KG	13000	
GS-38A-00-01	SW6020	CHROMIUM	28		0.55	1	MG/KG	28	
GS-38A-00-01	SW6020	COBALT	8.4		0.043	0.5	MG/KG	8.4	
GS-38A-00-01	SW6020	COPPER	55		0.29	2	MG/KG	55	
GS-38A-00-01	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-38A-00-01	SW6020	LEAD	160		0.066	0.2	MG/KG	160	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-38A-00-01	SW6020	MAGNESIUM	3800		3.3	10	MG/KG	3800	
GS-38A-00-01	SW6020	MANGANESE	1000		0.38	0.75	MG/KG	1000	
GS-38A-00-01	SW6020	NICKEL	24		0.44	2	MG/KG	24	
GS-38A-00-01	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-38A-00-01	SW6020	SELENIUM	3.6		0.22	1	MG/KG	3.6	
GS-38A-00-01	SW6020	SILVER	1.2		0.057	0.11	MG/KG	1.2	
GS-38A-00-01	SW6020	SODIUM	370		15	100	MG/KG	370	
GS-38A-00-01	SW6020	THALLIUM	0.36		0.0098	0.01	MG/KG	0.36	
GS-38A-00-01	SW6020	VANADIUM	33		0.13	0.5	MG/KG	33	
GS-38A-00-01	SW6020	ZINC	1200		4.1	10	MG/KG	1200	
GS-38A-01-06	SW6020	ALUMINUM	8500		6.6	15	MG/KG	8500	
GS-38A-01-06	SW6020	ANTIMONY	0.86		0.031	0.1	MG/KG	0.86	
GS-38A-01-06	SW6020	ARSENIC	63		0.049	0.2	MG/KG	63	
GS-38A-01-06	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-38A-01-06	SW6020	BERYLLIUM	1		0.0091	0.05	MG/KG	1	
GS-38A-01-06	SW6020	CADMIUM	5.6		0.038	0.2	MG/KG	5.6	
GS-38A-01-06	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-38A-01-06	SW6020	CHROMIUM	19		0.55	1	MG/KG	19	
GS-38A-01-06	SW6020	COBALT	8.1		0.043	0.5	MG/KG	8.1	
GS-38A-01-06	SW6020	COPPER	63		0.29	2	MG/KG	63	
GS-38A-01-06	SW6020	IRON	34000		11	20	MG/KG	34000	
GS-38A-01-06	SW6020	LEAD	240		0.067	0.2	MG/KG	240	
GS-38A-01-06	SW6020	MAGNESIUM	3400		3.3	10	MG/KG	3400	
GS-38A-01-06	SW6020	MANGANESE	940		0.38	0.76	MG/KG	940	
GS-38A-01-06	SW6020	NICKEL	19		0.44	2	MG/KG	19	
GS-38A-01-06	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-38A-01-06	SW6020	SELENIUM	3.8		0.22	1	MG/KG	3.8	
GS-38A-01-06	SW6020	SILVER	2.1		0.057	0.11	MG/KG	2.1	
GS-38A-01-06	SW6020	SODIUM	330		15	100	MG/KG	330	
GS-38A-01-06	SW6020	THALLIUM	0.42		0.0099	0.01	MG/KG	0.42	
GS-38A-01-06	SW6020	VANADIUM	35		0.13	0.5	MG/KG	35	
GS-38A-01-06	SW6020	ZINC	1200		4.1	10	MG/KG	1200	
GS-39A-00-01	SW6020	ALUMINUM	9400		6.6	15	MG/KG	9400	
GS-39A-00-01	SW6020	ANTIMONY	1.3		0.032	0.1	MG/KG	1.3	
GS-39A-00-01	SW6020	ARSENIC	84		0.05	0.2	MG/KG	84	
GS-39A-00-01	SW6020	BARIUM	220		0.23	0.51	MG/KG	220	
GS-39A-00-01	SW6020	BERYLLIUM	0.96		0.0092	0.051	MG/KG	0.96	
GS-39A-00-01	SW6020	CADMIUM	7.6		0.039	0.2	MG/KG	7.6	
GS-39A-00-01	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-39A-00-01	SW6020	CHROMIUM	22		0.56	1	MG/KG	22	
GS-39A-00-01	SW6020	COBALT	10		0.044	0.51	MG/KG	10	
GS-39A-00-01	SW6020	COPPER	72		0.3	2	MG/KG	72	
GS-39A-00-01	SW6020	IRON	33000		11	20	MG/KG	33000	
GS-39A-00-01	SW6020	LEAD	250		0.067	0.2	MG/KG	250	
GS-39A-00-01	SW6020	MAGNESIUM	4000		3.4	10	MG/KG	4000	
GS-39A-00-01	SW6020	MANGANESE	1200		0.39	0.77	MG/KG	1200	
GS-39A-00-01	SW6020	NICKEL	25		0.45	2	MG/KG	25	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-39A-00-01	SW6020	POTASSIUM	3400		15	100	MG/KG	3400	
GS-39A-00-01	SW6020	SELENIUM	3		0.23	1	MG/KG	3	
GS-39A-00-01	SW6020	SILVER	2		0.058	0.12	MG/KG	2	
GS-39A-00-01	SW6020	SODIUM	370		15	100	MG/KG	370	
GS-39A-00-01	SW6020	THALLIUM	0.44		0.01	0.01	MG/KG	0.44	
GS-39A-00-01	SW6020	VANADIUM	41		0.13	0.51	MG/KG	41	
GS-39A-00-01	SW6020	ZINC	1600		4.2	10	MG/KG	1600	
GS-39A-00-06	SW7471	MERCURY	0.15		0.0054	0.043	MG/KG	0.15	
GS-39A-01-06	SW6020	ALUMINUM	9700		6.8	16	MG/KG	9700	
GS-39A-01-06	SW6020	ANTIMONY	1.2		0.032	0.1	MG/KG	1.2	
GS-39A-01-06	SW6020	ARSENIC	84		0.051	0.21	MG/KG	84	
GS-39A-01-06	SW6020	BARIUM	250		0.24	0.52	MG/KG	250	
GS-39A-01-06	SW6020	BERYLLIUM	0.96		0.0093	0.052	MG/KG	0.96	
GS-39A-01-06	SW6020	CADMIUM	6.8		0.039	0.21	MG/KG	6.8	
GS-39A-01-06	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-39A-01-06	SW6020	CHROMIUM	25		0.57	1	MG/KG	25	
GS-39A-01-06	SW6020	COBALT	10		0.045	0.52	MG/KG	10	
GS-39A-01-06	SW6020	COPPER	71		0.3	2.1	MG/KG	71	
GS-39A-01-06	SW6020	IRON	35000		11	21	MG/KG	35000	
GS-39A-01-06	SW6020	LEAD	270		0.069	0.21	MG/KG	270	
GS-39A-01-06	SW6020	MAGNESIUM	4200		3.4	10	MG/KG	4200	
GS-39A-01-06	SW6020	MANGANESE	1200		0.39	0.78	MG/KG	1200	
GS-39A-01-06	SW6020	NICKEL	25		0.46	2.1	MG/KG	25	
GS-39A-01-06	SW6020	POTASSIUM	3600		16	100	MG/KG	3600	
GS-39A-01-06	SW6020	SELENIUM	3.1		0.23	1	MG/KG	3.1	
GS-39A-01-06	SW6020	SILVER	2		0.059	0.12	MG/KG	2	
GS-39A-01-06	SW6020	SODIUM	390		16	100	MG/KG	390	
GS-39A-01-06	SW6020	THALLIUM	0.45		0.01	0.01	MG/KG	0.45	
GS-39A-01-06	SW6020	VANADIUM	42		0.14	0.52	MG/KG	42	
GS-39A-01-06	SW6020	ZINC	1500		4.3	10	MG/KG	1500	
GS-39A-COMP	SW6020	ALUMINUM	7300		7.6	17	MG/KG	7300	
GS-39A-COMP	SW6020	ANTIMONY	1.3		0.036	0.12	MG/KG	1.3	
GS-39A-COMP	SW6020	ARSENIC	72		0.057	0.23	MG/KG	72	
GS-39A-COMP	SW6020	BARIUM	150		0.27	0.58	MG/KG	150	
GS-39A-COMP	SW6020	BERYLLIUM	1		0.01	0.058	MG/KG	1	
GS-39A-COMP	SW6020	CADMIUM	4.9		0.044	0.23	MG/KG	4.9	
GS-39A-COMP	SW6020	CALCIUM	8800		22	120	MG/KG	8800	
GS-39A-COMP	SW6020	CHROMIUM	10		0.64	1.2	MG/KG	10	
GS-39A-COMP	SW6020	COBALT	9.3		0.05	0.58	MG/KG	9.3	
GS-39A-COMP	SW6020	COPPER	77		0.34	2.3	MG/KG	77	
GS-39A-COMP	SW6020	IRON	38000		13	23	MG/KG	38000	
GS-39A-COMP	SW6020	LEAD	350		0.077	0.23	MG/KG	350	
GS-39A-COMP	SW6020	MAGNESIUM	2900		3.8	12	MG/KG	2900	
GS-39A-COMP	SW6020	MANGANESE	1100		0.44	0.87	MG/KG	1100	
GS-39A-COMP	SW6020	NICKEL	17		0.51	2.3	MG/KG	17	
GS-39A-COMP	SW6020	POTASSIUM	2400		17	120	MG/KG	2400	
GS-39A-COMP	SW6020	SELENIUM	3.1		0.26	1.2	MG/KG	3.1	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-39A-COMP	SW6020	SILVER	2.4		0.066	0.13	MG/KG	2.4	
GS-39A-COMP	SW6020	SODIUM	390		17	120	MG/KG	390	
GS-39A-COMP	SW6020	THALLIUM	0.49		0.011	0.012	MG/KG	0.49	
GS-39A-COMP	SW6020	VANADIUM	37		0.15	0.58	MG/KG	37	
GS-39A-COMP	SW6020	ZINC	650		4.8	12	MG/KG	650	
GS-40A-00-01	SW6020	ALUMINUM	8700		6.7	15	MG/KG	8700	
GS-40A-00-01	SW6020	ANTIMONY	1.2		0.032	0.1	MG/KG	1.2	
GS-40A-00-01	SW6020	ARSENIC	64		0.051	0.21	MG/KG	64	
GS-40A-00-01	SW6020	BARIUM	180		0.24	0.52	MG/KG	180	
GS-40A-00-01	SW6020	BERYLLIUM	0.81		0.0093	0.052	MG/KG	0.81	
GS-40A-00-01	SW6020	CADMIUM	4.8		0.039	0.21	MG/KG	4.8	
GS-40A-00-01	SW6020	CALCIUM	17000		19	100	MG/KG	17000	
GS-40A-00-01	SW6020	CHROMIUM	21		0.57	1	MG/KG	21	
GS-40A-00-01	SW6020	COBALT	12		0.044	0.52	MG/KG	12	
GS-40A-00-01	SW6020	COPPER	54		0.3	2.1	MG/KG	54	
GS-40A-00-01	SW6020	IRON	36000		11	21	MG/KG	36000	
GS-40A-00-01	SW6020	LEAD	190		0.068	0.21	MG/KG	190	
GS-40A-00-01	SW6020	MAGNESIUM	3800		3.4	10	MG/KG	3800	
GS-40A-00-01	SW6020	MANGANESE	1100		0.39	0.77	MG/KG	1100	
GS-40A-00-01	SW6020	NICKEL	28		0.45	2.1	MG/KG	28	
GS-40A-00-01	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-40A-00-01	SW6020	SELENIUM	3.2		0.23	1	MG/KG	3.2	
GS-40A-00-01	SW6020	SILVER	1.4		0.059	0.12	MG/KG	1.4	
GS-40A-00-01	SW6020	SODIUM	270		15	100	MG/KG	270	
GS-40A-00-01	SW6020	THALLIUM	0.43		0.01	0.01	MG/KG	0.43	
GS-40A-00-01	SW6020	VANADIUM	38		0.13	0.52	MG/KG	38	
GS-40A-00-01	SW6020	ZINC	690		4.2	10	MG/KG	690	
GS-40A-01-06	SW6020	ALUMINUM	9000		6.8	16	MG/KG	9000	
GS-40A-01-06	SW6020	ANTIMONY	0.91		0.032	0.1	MG/KG	0.91	
GS-40A-01-06	SW6020	ARSENIC	58		0.051	0.21	MG/KG	58	
GS-40A-01-06	SW6020	BARIUM	180		0.24	0.52	MG/KG	180	
GS-40A-01-06	SW6020	BERYLLIUM	0.82		0.0094	0.052	MG/KG	0.82	
GS-40A-01-06	SW6020	CADMIUM	5.3		0.04	0.21	MG/KG	5.3	
GS-40A-01-06	SW6020	CALCIUM	19000		19	100	MG/KG	19000	
GS-40A-01-06	SW6020	CHROMIUM	15		0.57	1	MG/KG	15	
GS-40A-01-06	SW6020	COBALT	13		0.045	0.52	MG/KG	13	
GS-40A-01-06	SW6020	COPPER	52		0.3	2.1	MG/KG	52	
GS-40A-01-06	SW6020	IRON	38000		11	21	MG/KG	38000	
GS-40A-01-06	SW6020	LEAD	200		0.069	0.21	MG/KG	200	
GS-40A-01-06	SW6020	MAGNESIUM	3700		3.4	10	MG/KG	3700	
GS-40A-01-06	SW6020	MANGANESE	1200		0.4	0.78	MG/KG	1200	
GS-40A-01-06	SW6020	NICKEL	27		0.46	2.1	MG/KG	27	
GS-40A-01-06	SW6020	POTASSIUM	2600		16	100	MG/KG	2600	
GS-40A-01-06	SW6020	SELENIUM	3.6		0.23	1	MG/KG	3.6	
GS-40A-01-06	SW6020	SILVER	1.5		0.059	0.12	MG/KG	1.5	
GS-40A-01-06	SW6020	SODIUM	260		16	100	MG/KG	260	
GS-40A-01-06	SW6020	THALLIUM	0.43		0.01	0.01	MG/KG	0.43	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-40A-01-06	SW6020	VANADIUM	39		0.14	0.52	MG/KG	39	
GS-40A-01-06	SW6020	ZINC	730		4.3	10	MG/KG	730	
GS-40A1-00-01	SW6020	ALUMINUM	7500		6.5	15	MG/KG	7500	
GS-40A1-00-01	SW6020	ANTIMONY	0.59		0.031	0.1	MG/KG	0.59	
GS-40A1-00-01	SW6020	ARSENIC	36		0.049	0.2	MG/KG	36	
GS-40A1-00-01	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-40A1-00-01	SW6020	BERYLLIUM	0.69		0.009	0.05	MG/KG	0.69	
GS-40A1-00-01	SW6020	CADMIUM	1.3		0.038	0.2	MG/KG	1.3	
GS-40A1-00-01	SW6020	CALCIUM	11000		18	100	MG/KG	11000	
GS-40A1-00-01	SW6020	CHROMIUM	16		0.55	1	MG/KG	16	
GS-40A1-00-01	SW6020	COBALT	9.3		0.043	0.5	MG/KG	9.3	
GS-40A1-00-01	SW6020	COPPER	36		0.29	2	MG/KG	36	
GS-40A1-00-01	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-40A1-00-01	SW6020	LEAD	95		0.066	0.2	MG/KG	95	
GS-40A1-00-01	SW6020	MAGNESIUM	3400		3.3	10	MG/KG	3400	
GS-40A1-00-01	SW6020	MANGANESE	640		0.38	0.75	MG/KG	640	
GS-40A1-00-01	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-40A1-00-01	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-40A1-00-01	SW6020	SELENIUM	2.9		0.22	1	MG/KG	2.9	
GS-40A1-00-01	SW6020	SILVER	0.76		0.057	0.11	MG/KG	0.76	
GS-40A1-00-01	SW6020	SODIUM	330		15	100	MG/KG	330	
GS-40A1-00-01	SW6020	THALLIUM	0.3		0.0098	0.01	MG/KG	0.3	
GS-40A1-00-01	SW6020	VANADIUM	28		0.13	0.5	MG/KG	28	
GS-40A1-00-01	SW6020	ZINC	230		4.1	10	MG/KG	230	
GS-40A1-00-01-DUP	SW6020	ALUMINUM	7600		6.3	15	MG/KG	7600	
GS-40A1-00-01-DUP	SW6020	ANTIMONY	0.63		0.03	0.097	MG/KG	0.63	
GS-40A1-00-01-DUP	SW6020	ARSENIC	38		0.048	0.19	MG/KG	38	
GS-40A1-00-01-DUP	SW6020	BARIUM	180		0.22	0.49	MG/KG	180	
GS-40A1-00-01-DUP	SW6020	BERYLLIUM	0.72		0.0087	0.049	MG/KG	0.72	
GS-40A1-00-01-DUP	SW6020	CADMIUM	1.6		0.037	0.19	MG/KG	1.6	
GS-40A1-00-01-DUP	SW6020	CALCIUM	10000		18	97	MG/KG	10000	
GS-40A1-00-01-DUP	SW6020	CHROMIUM	18		0.53	0.97	MG/KG	18	
GS-40A1-00-01-DUP	SW6020	COBALT	9.5		0.042	0.49	MG/KG	9.5	
GS-40A1-00-01-DUP	SW6020	COPPER	37		0.28	1.9	MG/KG	37	
GS-40A1-00-01-DUP	SW6020	IRON	25000		11	19	MG/KG	25000	
GS-40A1-00-01-DUP	SW6020	LEAD	100		0.064	0.19	MG/KG	100	
GS-40A1-00-01-DUP	SW6020	MAGNESIUM	3500		3.2	9.7	MG/KG	3500	
GS-40A1-00-01-DUP	SW6020	MANGANESE	670		0.37	0.73	MG/KG	670	
GS-40A1-00-01-DUP	SW6020	NICKEL	22		0.43	1.9	MG/KG	22	
GS-40A1-00-01-DUP	SW6020	POTASSIUM	2500		15	97	MG/KG	2500	
GS-40A1-00-01-DUP	SW6020	SELENIUM	3		0.22	0.97	MG/KG	3	
GS-40A1-00-01-DUP	SW6020	SILVER	1.1		0.055	0.11	MG/KG	1.1	
GS-40A1-00-01-DUP	SW6020	SODIUM	380		15	97	MG/KG	380	
GS-40A1-00-01-DUP	SW6020	THALLIUM	0.31		0.0095	0.0097	MG/KG	0.31	
GS-40A1-00-01-DUP	SW6020	VANADIUM	28		0.13	0.49	MG/KG	28	
GS-40A1-00-01-DUP	SW6020	ZINC	260		4	9.7	MG/KG	260	
GS-40A1-00-01-TRI	SW6020	ALUMINUM	7400		6.4	15	MG/KG	7400	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-40A1-00-01-TRI	SW6020	ANTIMONY	0.58		0.03	0.098	MG/KG	0.58	
GS-40A1-00-01-TRI	SW6020	ARSENIC	34		0.048	0.2	MG/KG	34	
GS-40A1-00-01-TRI	SW6020	BARIUM	190		0.23	0.49	MG/KG	190	
GS-40A1-00-01-TRI	SW6020	BERYLLIUM	0.69		0.0088	0.049	MG/KG	0.69	
GS-40A1-00-01-TRI	SW6020	CADMIUM	1.3		0.037	0.2	MG/KG	1.3	
GS-40A1-00-01-TRI	SW6020	CALCIUM	9700		18	98	MG/KG	9700	
GS-40A1-00-01-TRI	SW6020	CHROMIUM	18		0.54	0.98	MG/KG	18	
GS-40A1-00-01-TRI	SW6020	COBALT	8.6		0.042	0.49	MG/KG	8.6	
GS-40A1-00-01-TRI	SW6020	COPPER	33		0.28	2	MG/KG	33	
GS-40A1-00-01-TRI	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-40A1-00-01-TRI	SW6020	LEAD	92		0.065	0.2	MG/KG	92	
GS-40A1-00-01-TRI	SW6020	MAGNESIUM	3200		3.2	9.8	MG/KG	3200	
GS-40A1-00-01-TRI	SW6020	MANGANESE	600		0.37	0.74	MG/KG	600	
GS-40A1-00-01-TRI	SW6020	NICKEL	20		0.43	2	MG/KG	20	
GS-40A1-00-01-TRI	SW6020	POTASSIUM	2400		15	98	MG/KG	2400	
GS-40A1-00-01-TRI	SW6020	SELENIUM	2.8		0.22	0.98	MG/KG	2.8	
GS-40A1-00-01-TRI	SW6020	SILVER	0.84		0.056	0.11	MG/KG	0.84	
GS-40A1-00-01-TRI	SW6020	SODIUM	300		15	98	MG/KG	300	
GS-40A1-00-01-TRI	SW6020	THALLIUM	0.29		0.0096	0.0098	MG/KG	0.29	
GS-40A1-00-01-TRI	SW6020	VANADIUM	28		0.13	0.49	MG/KG	28	
GS-40A1-00-01-TRI	SW6020	ZINC	230		4	9.8	MG/KG	230	
GS-40A1-01-06	SW6020	ALUMINUM	7700		6.4	15	MG/KG	7700	
GS-40A1-01-06	SW6020	ANTIMONY	0.58		0.031	0.099	MG/KG	0.58	
GS-40A1-01-06	SW6020	ARSENIC	37		0.048	0.2	MG/KG	37	
GS-40A1-01-06	SW6020	BARIUM	180		0.23	0.49	MG/KG	180	
GS-40A1-01-06	SW6020	BERYLLIUM	0.71		0.0089	0.049	MG/KG	0.71	
GS-40A1-01-06	SW6020	CADMIUM	1.3		0.038	0.2	MG/KG	1.3	
GS-40A1-01-06	SW6020	CALCIUM	12000		18	99	MG/KG	12000	
GS-40A1-01-06	SW6020	CHROMIUM	24		0.54	0.99	MG/KG	24	
GS-40A1-01-06	SW6020	COBALT	10		0.043	0.49	MG/KG	10	
GS-40A1-01-06	SW6020	COPPER	36		0.29	2	MG/KG	36	
GS-40A1-01-06	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-40A1-01-06	SW6020	LEAD	98		0.065	0.2	MG/KG	98	
GS-40A1-01-06	SW6020	MAGNESIUM	3800		3.3	9.9	MG/KG	3800	
GS-40A1-01-06	SW6020	MANGANESE	670		0.38	0.74	MG/KG	670	
GS-40A1-01-06	SW6020	NICKEL	26		0.43	2	MG/KG	26	
GS-40A1-01-06	SW6020	POTASSIUM	2400		15	99	MG/KG	2400	
GS-40A1-01-06	SW6020	SELENIUM	3.1		0.22	0.99	MG/KG	3.1	
GS-40A1-01-06	SW6020	SILVER	0.82		0.056	0.11	MG/KG	0.82	
GS-40A1-01-06	SW6020	SODIUM	320		15	99	MG/KG	320	
GS-40A1-01-06	SW6020	THALLIUM	0.32		0.0097	0.0099	MG/KG	0.32	
GS-40A1-01-06	SW6020	VANADIUM	29		0.13	0.49	MG/KG	29	
GS-40A1-01-06	SW6020	ZINC	240		4.1	9.9	MG/KG	240	
GS-40A1-01-06-DUP	SW6020	ALUMINUM	8300		6.5	15	MG/KG	8300	
GS-40A1-01-06-DUP	SW6020	ANTIMONY	0.59		0.031	0.1	MG/KG	0.59	
GS-40A1-01-06-DUP	SW6020	ARSENIC	43		0.049	0.2	MG/KG	43	
GS-40A1-01-06-DUP	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-40A1-01-06-DUP	SW6020	BERYLLIUM	0.76		0.0091	0.05	MG/KG	0.76	
GS-40A1-01-06-DUP	SW6020	CADMIUM	1.6		0.038	0.2	MG/KG	1.6	
GS-40A1-01-06-DUP	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-40A1-01-06-DUP	SW6020	CHROMIUM	25		0.55	1	MG/KG	25	
GS-40A1-01-06-DUP	SW6020	COBALT	11		0.043	0.5	MG/KG	11	
GS-40A1-01-06-DUP	SW6020	COPPER	43		0.29	2	MG/KG	43	
GS-40A1-01-06-DUP	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-40A1-01-06-DUP	SW6020	LEAD	110		0.066	0.2	MG/KG	110	
GS-40A1-01-06-DUP	SW6020	MAGNESIUM	4300		3.3	10	MG/KG	4300	
GS-40A1-01-06-DUP	SW6020	MANGANESE	760		0.38	0.75	MG/KG	760	
GS-40A1-01-06-DUP	SW6020	NICKEL	27		0.44	2	MG/KG	27	
GS-40A1-01-06-DUP	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-40A1-01-06-DUP	SW6020	SELENIUM	3.3		0.22	1	MG/KG	3.3	
GS-40A1-01-06-DUP	SW6020	SILVER	0.96		0.057	0.11	MG/KG	0.96	
GS-40A1-01-06-DUP	SW6020	SODIUM	390		15	100	MG/KG	390	
GS-40A1-01-06-DUP	SW6020	THALLIUM	0.34		0.0099	0.01	MG/KG	0.34	
GS-40A1-01-06-DUP	SW6020	VANADIUM	31		0.13	0.5	MG/KG	31	
GS-40A1-01-06-DUP	SW6020	ZINC	280		4.1	10	MG/KG	280	
GS-40A1-01-06-TRI	SW6020	ALUMINUM	8300		6.6	15	MG/KG	8300	
GS-40A1-01-06-TRI	SW6020	ANTIMONY	0.52		0.032	0.1	MG/KG	0.52	
GS-40A1-01-06-TRI	SW6020	ARSENIC	37		0.05	0.2	MG/KG	37	
GS-40A1-01-06-TRI	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-40A1-01-06-TRI	SW6020	BERYLLIUM	0.73		0.0092	0.051	MG/KG	0.73	
GS-40A1-01-06-TRI	SW6020	CADMIUM	1.4		0.039	0.2	MG/KG	1.4	
GS-40A1-01-06-TRI	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-40A1-01-06-TRI	SW6020	CHROMIUM	24		0.56	1	MG/KG	24	
GS-40A1-01-06-TRI	SW6020	COBALT	9.9		0.044	0.51	MG/KG	9.9	
GS-40A1-01-06-TRI	SW6020	COPPER	36		0.3	2	MG/KG	36	
GS-40A1-01-06-TRI	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-40A1-01-06-TRI	SW6020	LEAD	100		0.067	0.2	MG/KG	100	
GS-40A1-01-06-TRI	SW6020	MAGNESIUM	3900		3.4	10	MG/KG	3900	
GS-40A1-01-06-TRI	SW6020	MANGANESE	670		0.39	0.76	MG/KG	670	
GS-40A1-01-06-TRI	SW6020	NICKEL	25		0.45	2	MG/KG	25	
GS-40A1-01-06-TRI	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-40A1-01-06-TRI	SW6020	SELENIUM	3		0.23	1	MG/KG	3	
GS-40A1-01-06-TRI	SW6020	SILVER	0.81		0.058	0.12	MG/KG	0.81	
GS-40A1-01-06-TRI	SW6020	SODIUM	310		15	100	MG/KG	310	
GS-40A1-01-06-TRI	SW6020	THALLIUM	0.31		0.01	0.01	MG/KG	0.31	
GS-40A1-01-06-TRI	SW6020	VANADIUM	30		0.13	0.51	MG/KG	30	
GS-40A1-01-06-TRI	SW6020	ZINC	240		4.2	10	MG/KG	240	
GS-40A2-00-01	SW6020	ALUMINUM	7800		6.5	15	MG/KG	7800	
GS-40A2-00-01	SW6020	ANTIMONY	0.59		0.031	0.1	MG/KG	0.59	
GS-40A2-00-01	SW6020	ARSENIC	34		0.049	0.2	MG/KG	34	
GS-40A2-00-01	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-40A2-00-01	SW6020	BERYLLIUM	0.8		0.009	0.05	MG/KG	0.8	
GS-40A2-00-01	SW6020	CADMIUM	1.4		0.038	0.2	MG/KG	1.4	
GS-40A2-00-01	SW6020	CALCIUM	12000		19	100	MG/KG	12000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-40A2-00-01	SW6020	CHROMIUM	28		0.55	1	MG/KG	28	
GS-40A2-00-01	SW6020	COBALT	10		0.043	0.5	MG/KG	10	
GS-40A2-00-01	SW6020	COPPER	39		0.29	2	MG/KG	39	
GS-40A2-00-01	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-40A2-00-01	SW6020	LEAD	71		0.066	0.2	MG/KG	71	
GS-40A2-00-01	SW6020	MAGNESIUM	4200		3.3	10	MG/KG	4200	
GS-40A2-00-01	SW6020	MANGANESE	670		0.38	0.75	MG/KG	670	
GS-40A2-00-01	SW6020	NICKEL	28		0.44	2	MG/KG	28	
GS-40A2-00-01	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-40A2-00-01	SW6020	SELENIUM	3.3		0.22	1	MG/KG	3.3	
GS-40A2-00-01	SW6020	SILVER	0.6		0.057	0.11	MG/KG	0.6	
GS-40A2-00-01	SW6020	SODIUM	440		15	100	MG/KG	440	
GS-40A2-00-01	SW6020	THALLIUM	0.34		0.0098	0.01	MG/KG	0.34	
GS-40A2-00-01	SW6020	VANADIUM	30		0.13	0.5	MG/KG	30	
GS-40A2-00-01	SW6020	ZINC	240		4.1	10	MG/KG	240	
GS-40A2-01-06	SW6020	ALUMINUM	8600		6.4	15	MG/KG	8600	
GS-40A2-01-06	SW6020	ANTIMONY	0.52		0.03	0.098	MG/KG	0.52	
GS-40A2-01-06	SW6020	ARSENIC	29		0.048	0.2	MG/KG	29	
GS-40A2-01-06	SW6020	BARIUM	180		0.23	0.49	MG/KG	180	
GS-40A2-01-06	SW6020	BERYLLIUM	0.78		0.0088	0.049	MG/KG	0.78	
GS-40A2-01-06	SW6020	CADMIUM	1.5		0.037	0.2	MG/KG	1.5	
GS-40A2-01-06	SW6020	CALCIUM	13000		18	98	MG/KG	13000	
GS-40A2-01-06	SW6020	CHROMIUM	34		0.54	0.98	MG/KG	34	
GS-40A2-01-06	SW6020	COBALT	12		0.042	0.49	MG/KG	12	
GS-40A2-01-06	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-40A2-01-06	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-40A2-01-06	SW6020	LEAD	61		0.065	0.2	MG/KG	61	
GS-40A2-01-06	SW6020	MAGNESIUM	4400		3.2	9.8	MG/KG	4400	
GS-40A2-01-06	SW6020	MANGANESE	650		0.37	0.74	MG/KG	650	
GS-40A2-01-06	SW6020	NICKEL	33		0.43	2	MG/KG	33	
GS-40A2-01-06	SW6020	POTASSIUM	2500		15	98	MG/KG	2500	
GS-40A2-01-06	SW6020	SELENIUM	3.9		0.22	0.98	MG/KG	3.9	
GS-40A2-01-06	SW6020	SILVER	0.49		0.056	0.11	MG/KG	0.49	
GS-40A2-01-06	SW6020	SODIUM	380		15	98	MG/KG	380	
GS-40A2-01-06	SW6020	THALLIUM	0.38		0.0096	0.0098	MG/KG	0.38	
GS-40A2-01-06	SW6020	VANADIUM	30		0.13	0.49	MG/KG	30	
GS-40A2-01-06	SW6020	ZINC	200		4	9.8	MG/KG	200	
GS-41A-00-01	SW6020	ALUMINUM	8900		6.5	15	MG/KG	8900	
GS-41A-00-01	SW6020	ANTIMONY	0.51		0.031	0.1	MG/KG	0.51	
GS-41A-00-01	SW6020	ARSENIC	35		0.049	0.2	MG/KG	35	
GS-41A-00-01	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-41A-00-01	SW6020	BERYLLIUM	0.78		0.009	0.05	MG/KG	0.78	
GS-41A-00-01	SW6020	CADMIUM	1.5		0.038	0.2	MG/KG	1.5	
GS-41A-00-01	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-41A-00-01	SW6020	CHROMIUM	41		0.55	1	MG/KG	41	
GS-41A-00-01	SW6020	COBALT	12		0.043	0.5	MG/KG	12	
GS-41A-00-01	SW6020	COPPER	40		0.29	2	MG/KG	40	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-41A-00-01	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-41A-00-01	SW6020	LEAD	77		0.066	0.2	MG/KG	77	
GS-41A-00-01	SW6020	MAGNESIUM	4500		3.3	10	MG/KG	4500	
GS-41A-00-01	SW6020	MANGANESE	660		0.38	0.75	MG/KG	660	
GS-41A-00-01	SW6020	NICKEL	36		0.44	2	MG/KG	36	
GS-41A-00-01	SW6020	POTASSIUM	2500		15	100	MG/KG	2500	
GS-41A-00-01	SW6020	SELENIUM	3.6		0.22	1	MG/KG	3.6	
GS-41A-00-01	SW6020	SILVER	0.7		0.057	0.11	MG/KG	0.7	
GS-41A-00-01	SW6020	SODIUM	300		15	100	MG/KG	300	
GS-41A-00-01	SW6020	THALLIUM	0.36		0.0098	0.01	MG/KG	0.36	
GS-41A-00-01	SW6020	VANADIUM	33		0.13	0.5	MG/KG	33	
GS-41A-00-01	SW6020	ZINC	210		4.1	10	MG/KG	210	
GS-41A-01-06	SW6020	ALUMINUM	8800		6.7	15	MG/KG	8800	
GS-41A-01-06	SW6020	ANTIMONY	0.48		0.032	0.1	MG/KG	0.48	
GS-41A-01-06	SW6020	ARSENIC	32		0.05	0.2	MG/KG	32	
GS-41A-01-06	SW6020	BARIUM	190		0.24	0.51	MG/KG	190	
GS-41A-01-06	SW6020	BERYLLIUM	0.75		0.0092	0.051	MG/KG	0.75	
GS-41A-01-06	SW6020	CADMIUM	1.4		0.039	0.2	MG/KG	1.4	
GS-41A-01-06	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-41A-01-06	SW6020	CHROMIUM	30		0.56	1	MG/KG	30	
GS-41A-01-06	SW6020	COBALT	11		0.044	0.51	MG/KG	11	
GS-41A-01-06	SW6020	COPPER	43		0.3	2	MG/KG	43	
GS-41A-01-06	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-41A-01-06	SW6020	LEAD	68		0.068	0.2	MG/KG	68	
GS-41A-01-06	SW6020	MAGNESIUM	4400		3.4	10	MG/KG	4400	
GS-41A-01-06	SW6020	MANGANESE	610		0.39	0.77	MG/KG	610	
GS-41A-01-06	SW6020	NICKEL	32		0.45	2	MG/KG	32	
GS-41A-01-06	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-41A-01-06	SW6020	SELENIUM	3.8		0.23	1	MG/KG	3.8	
GS-41A-01-06	SW6020	SILVER	0.53		0.058	0.12	MG/KG	0.53	
GS-41A-01-06	SW6020	SODIUM	290		15	100	MG/KG	290	
GS-41A-01-06	SW6020	THALLIUM	0.37		0.01	0.01	MG/KG	0.37	
GS-41A-01-06	SW6020	VANADIUM	31		0.13	0.51	MG/KG	31	
GS-41A-01-06	SW6020	ZINC	200		4.2	10	MG/KG	200	
GS-42A-00-01	SW6020	ALUMINUM	8500		6.4	15	MG/KG	8500	
GS-42A-00-01	SW6020	ANTIMONY	0.52		0.03	0.098	MG/KG	0.52	
GS-42A-00-01	SW6020	ARSENIC	29		0.048	0.2	MG/KG	29	
GS-42A-00-01	SW6020	BARIUM	170		0.22	0.49	MG/KG	170	
GS-42A-00-01	SW6020	BERYLLIUM	0.8		0.0088	0.049	MG/KG	0.8	
GS-42A-00-01	SW6020	CADMIUM	1.1		0.037	0.2	MG/KG	1.1	
GS-42A-00-01	SW6020	CALCIUM	15000		18	98	MG/KG	15000	
GS-42A-00-01	SW6020	CHROMIUM	38		0.54	0.98	MG/KG	38	
GS-42A-00-01	SW6020	COBALT	13		0.042	0.49	MG/KG	13	
GS-42A-00-01	SW6020	COPPER	39		0.28	2	MG/KG	39	
GS-42A-00-01	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-42A-00-01	SW6020	LEAD	60		0.065	0.2	MG/KG	60	
GS-42A-00-01	SW6020	MAGNESIUM	4500		3.2	9.8	MG/KG	4500	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-42A-00-01	SW6020	MANGANESE	740		0.37	0.73	MG/KG	740	
GS-42A-00-01	SW6020	NICKEL	35		0.43	2	MG/KG	35	
GS-42A-00-01	SW6020	POTASSIUM	2400		15	98	MG/KG	2400	
GS-42A-00-01	SW6020	SELENIUM	3.6		0.22	0.98	MG/KG	3.6	
GS-42A-00-01	SW6020	SILVER	0.46		0.056	0.11	MG/KG	0.46	
GS-42A-00-01	SW6020	SODIUM	200		15	98	MG/KG	200	J+
GS-42A-00-01	SW6020	THALLIUM	0.33		0.0096	0.0098	MG/KG	0.33	
GS-42A-00-01	SW6020	VANADIUM	30		0.13	0.49	MG/KG	30	
GS-42A-00-01	SW6020	ZINC	180		4	9.8	MG/KG	180	
GS-42A-01-06	SW6020	ALUMINUM	8700		6.5	15	MG/KG	8700	
GS-42A-01-06	SW6020	ANTIMONY	0.54		0.031	0.1	MG/KG	0.54	
GS-42A-01-06	SW6020	ARSENIC	29		0.049	0.2	MG/KG	29	
GS-42A-01-06	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-42A-01-06	SW6020	BERYLLIUM	0.8		0.009	0.05	MG/KG	0.8	
GS-42A-01-06	SW6020	CADMIUM	1.1		0.038	0.2	MG/KG	1.1	
GS-42A-01-06	SW6020	CALCIUM	16000		19	100	MG/KG	16000	
GS-42A-01-06	SW6020	CHROMIUM	48		0.55	1	MG/KG	48	
GS-42A-01-06	SW6020	COBALT	13		0.043	0.5	MG/KG	13	
GS-42A-01-06	SW6020	COPPER	38		0.29	2	MG/KG	38	
GS-42A-01-06	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-42A-01-06	SW6020	LEAD	54		0.066	0.2	MG/KG	54	
GS-42A-01-06	SW6020	MAGNESIUM	4700		3.3	10	MG/KG	4700	
GS-42A-01-06	SW6020	MANGANESE	720		0.38	0.75	MG/KG	720	
GS-42A-01-06	SW6020	NICKEL	39		0.44	2	MG/KG	39	
GS-42A-01-06	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-42A-01-06	SW6020	SELENIUM	3.6		0.22	1	MG/KG	3.6	
GS-42A-01-06	SW6020	SILVER	0.45		0.057	0.11	MG/KG	0.45	
GS-42A-01-06	SW6020	SODIUM	220		15	100	MG/KG	220	
GS-42A-01-06	SW6020	THALLIUM	0.34		0.0098	0.01	MG/KG	0.34	
GS-42A-01-06	SW6020	VANADIUM	31		0.13	0.5	MG/KG	31	
GS-42A-01-06	SW6020	ZINC	180		4.1	10	MG/KG	180	
GS-43A-00-01	SW6020	ALUMINUM	8500		6.4	15	MG/KG	8500	
GS-43A-00-01	SW6020	ANTIMONY	0.42	N	0.03	0.098	MG/KG	0.42	J
GS-43A-00-01	SW6020	ARSENIC	29		0.048	0.2	MG/KG	29	
GS-43A-00-01	SW6020	BARIUM	170		0.23	0.49	MG/KG	170	
GS-43A-00-01	SW6020	BERYLLIUM	0.75		0.0088	0.049	MG/KG	0.75	
GS-43A-00-01	SW6020	CADMIUM	1.2		0.037	0.2	MG/KG	1.2	
GS-43A-00-01	SW6020	CALCIUM	13000		18	98	MG/KG	13000	
GS-43A-00-01	SW6020	CHROMIUM	15		0.54	0.98	MG/KG	15	
GS-43A-00-01	SW6020	COBALT	14		0.042	0.49	MG/KG	14	
GS-43A-00-01	SW6020	COPPER	40		0.28	2	MG/KG	40	
GS-43A-00-01	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-43A-00-01	SW6020	LEAD	53		0.065	0.2	MG/KG	53	
GS-43A-00-01	SW6020	MAGNESIUM	4300		3.2	9.8	MG/KG	4300	
GS-43A-00-01	SW6020	MANGANESE	730		0.37	0.74	MG/KG	730	
GS-43A-00-01	SW6020	NICKEL	29		0.43	2	MG/KG	29	
GS-43A-00-01	SW6020	POTASSIUM	2200		15	98	MG/KG	2200	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-43A-00-01	SW6020	SELENIUM	3.9		0.22	0.98	MG/KG	3.9	
GS-43A-00-01	SW6020	SILVER	0.39		0.056	0.11	MG/KG	0.39	
GS-43A-00-01	SW6020	SODIUM	220		15	98	MG/KG	220	
GS-43A-00-01	SW6020	THALLIUM	0.33		0.0096	0.0098	MG/KG	0.33	
GS-43A-00-01	SW6020	VANADIUM	29		0.13	0.49	MG/KG	29	
GS-43A-00-01	SW6020	ZINC	170		4	9.8	MG/KG	170	
GS-43A-01-06	SW6020	ALUMINUM	8900		6.4	15	MG/KG	8900	
GS-43A-01-06	SW6020	ANTIMONY	0.39	N	0.031	0.099	MG/KG	0.39	J
GS-43A-01-06	SW6020	ARSENIC	28		0.049	0.2	MG/KG	28	
GS-43A-01-06	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-43A-01-06	SW6020	BERYLLIUM	0.78		0.0089	0.05	MG/KG	0.78	
GS-43A-01-06	SW6020	CADMIUM	1.2		0.038	0.2	MG/KG	1.2	
GS-43A-01-06	SW6020	CALCIUM	14000		18	99	MG/KG	14000	
GS-43A-01-06	SW6020	CHROMIUM	20		0.54	0.99	MG/KG	20	
GS-43A-01-06	SW6020	COBALT	15		0.043	0.5	MG/KG	15	
GS-43A-01-06	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-43A-01-06	SW6020	IRON	32000		11	20	MG/KG	32000	
GS-43A-01-06	SW6020	LEAD	50		0.065	0.2	MG/KG	50	
GS-43A-01-06	SW6020	MAGNESIUM	4500		3.3	9.9	MG/KG	4500	
GS-43A-01-06	SW6020	MANGANESE	750		0.38	0.74	MG/KG	750	
GS-43A-01-06	SW6020	NICKEL	33		0.44	2	MG/KG	33	
GS-43A-01-06	SW6020	POTASSIUM	2300		15	99	MG/KG	2300	
GS-43A-01-06	SW6020	SELENIUM	4.1		0.22	0.99	MG/KG	4.1	
GS-43A-01-06	SW6020	SILVER	0.35		0.056	0.11	MG/KG	0.35	
GS-43A-01-06	SW6020	SODIUM	250		15	99	MG/KG	250	
GS-43A-01-06	SW6020	THALLIUM	0.36		0.0097	0.0099	MG/KG	0.36	
GS-43A-01-06	SW6020	VANADIUM	30	N	0.13	0.5	MG/KG	30	J
GS-43A-01-06	SW6020	ZINC	180		4.1	9.9	MG/KG	180	
GS-43A-COMP	SW6020	ALUMINUM	8700		7.3	17	MG/KG	8700	
GS-43A-COMP	SW6020	ANTIMONY	0.27		0.035	0.11	MG/KG	0.27	
GS-43A-COMP	SW6020	ARSENIC	20		0.055	0.22	MG/KG	20	
GS-43A-COMP	SW6020	BARIUM	130		0.26	0.56	MG/KG	130	
GS-43A-COMP	SW6020	BERYLLIUM	0.86		0.01	0.056	MG/KG	0.86	
GS-43A-COMP	SW6020	CADMIUM	1.5		0.042	0.22	MG/KG	1.5	
GS-43A-COMP	SW6020	CALCIUM	21000		21	110	MG/KG	21000	
GS-43A-COMP	SW6020	CHROMIUM	12		0.61	1.1	MG/KG	12	
GS-43A-COMP	SW6020	COBALT	16		0.048	0.56	MG/KG	16	
GS-43A-COMP	SW6020	COPPER	35		0.32	2.2	MG/KG	35	
GS-43A-COMP	SW6020	IRON	40000		12	22	MG/KG	40000	
GS-43A-COMP	SW6020	LEAD	30		0.074	0.22	MG/KG	30	
GS-43A-COMP	SW6020	MAGNESIUM	5300		3.7	11	MG/KG	5300	
GS-43A-COMP	SW6020	MANGANESE	1100		0.42	0.84	MG/KG	1100	
GS-43A-COMP	SW6020	NICKEL	36		0.49	2.2	MG/KG	36	
GS-43A-COMP	SW6020	POTASSIUM	1900		17	110	MG/KG	1900	
GS-43A-COMP	SW6020	SELENIUM	4.3		0.25	1.1	MG/KG	4.3	
GS-43A-COMP	SW6020	SILVER	0.2		0.064	0.13	MG/KG	0.2	
GS-43A-COMP	SW6020	SODIUM	290		17	110	MG/KG	290	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-43A-COMP	SW6020	THALLIUM	0.43		0.011	0.011	MG/KG	0.43	
GS-43A-COMP	SW6020	VANADIUM	30		0.15	0.56	MG/KG	30	
GS-43A-COMP	SW6020	ZINC	130		4.6	11	MG/KG	130	
GS-44A-00-01	SW6020	ALUMINUM	6800		6.6	15	MG/KG	6800	
GS-44A-00-01	SW6020	ANTIMONY	0.44		0.031	0.1	MG/KG	0.44	
GS-44A-00-01	SW6020	ARSENIC	21		0.049	0.2	MG/KG	21	
GS-44A-00-01	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-44A-00-01	SW6020	BERYLLIUM	0.66		0.0091	0.05	MG/KG	0.66	
GS-44A-00-01	SW6020	CADMIUM	0.83		0.038	0.2	MG/KG	0.83	
GS-44A-00-01	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-44A-00-01	SW6020	CHROMIUM	22		0.55	1	MG/KG	22	
GS-44A-00-01	SW6020	COBALT	7		0.043	0.5	MG/KG	7	
GS-44A-00-01	SW6020	COPPER	26		0.29	2	MG/KG	26	
GS-44A-00-01	SW6020	IRON	19000		11	20	MG/KG	19000	
GS-44A-00-01	SW6020	LEAD	50		0.067	0.2	MG/KG	50	
GS-44A-00-01	SW6020	MAGNESIUM	3200		3.3	10	MG/KG	3200	
GS-44A-00-01	SW6020	MANGANESE	480		0.38	0.76	MG/KG	480	
GS-44A-00-01	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-44A-00-01	SW6020	POTASSIUM	1900		15	100	MG/KG	1900	
GS-44A-00-01	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-44A-00-01	SW6020	SILVER	0.45		0.057	0.11	MG/KG	0.45	
GS-44A-00-01	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-44A-00-01	SW6020	THALLIUM	0.22		0.0099	0.01	MG/KG	0.22	
GS-44A-00-01	SW6020	VANADIUM	25		0.13	0.5	MG/KG	25	
GS-44A-00-01	SW6020	ZINC	160		4.1	10	MG/KG	160	
GS-44A-01-06	SW6020	ALUMINUM	6600		6.5	15	MG/KG	6600	
GS-44A-01-06	SW6020	ANTIMONY	0.45		0.031	0.1	MG/KG	0.45	
GS-44A-01-06	SW6020	ARSENIC	20		0.049	0.2	MG/KG	20	
GS-44A-01-06	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-44A-01-06	SW6020	BERYLLIUM	0.65		0.0091	0.05	MG/KG	0.65	
GS-44A-01-06	SW6020	CADMIUM	0.79		0.038	0.2	MG/KG	0.79	
GS-44A-01-06	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-44A-01-06	SW6020	CHROMIUM	34		0.55	1	MG/KG	34	
GS-44A-01-06	SW6020	COBALT	6.7		0.043	0.5	MG/KG	6.7	
GS-44A-01-06	SW6020	COPPER	24		0.29	2	MG/KG	24	
GS-44A-01-06	SW6020	IRON	18000		11	20	MG/KG	18000	
GS-44A-01-06	SW6020	LEAD	48		0.066	0.2	MG/KG	48	
GS-44A-01-06	SW6020	MAGNESIUM	2900		3.3	10	MG/KG	2900	
GS-44A-01-06	SW6020	MANGANESE	470		0.38	0.76	MG/KG	470	
GS-44A-01-06	SW6020	NICKEL	25		0.44	2	MG/KG	25	
GS-44A-01-06	SW6020	POTASSIUM	1800		15	100	MG/KG	1800	
GS-44A-01-06	SW6020	SELENIUM	2		0.22	1	MG/KG	2	
GS-44A-01-06	SW6020	SILVER	0.37		0.057	0.11	MG/KG	0.37	
GS-44A-01-06	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-44A-01-06	SW6020	THALLIUM	0.22		0.0099	0.01	MG/KG	0.22	
GS-44A-01-06	SW6020	VANADIUM	24		0.13	0.5	MG/KG	24	
GS-44A-01-06	SW6020	ZINC	140		4.1	10	MG/KG	140	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-45A-00-01	SW6020	ALUMINUM	7100		6.6	15	MG/KG	7100	
GS-45A-00-01	SW6020	ANTIMONY	0.65		0.031	0.1	MG/KG	0.65	
GS-45A-00-01	SW6020	ARSENIC	32		0.05	0.2	MG/KG	32	
GS-45A-00-01	SW6020	BARIUM	190		0.23	0.51	MG/KG	190	
GS-45A-00-01	SW6020	BERYLLIUM	0.72		0.0091	0.051	MG/KG	0.72	
GS-45A-00-01	SW6020	CADMIUM	1.3		0.038	0.2	MG/KG	1.3	
GS-45A-00-01	SW6020	CALCIUM	7800		19	100	MG/KG	7800	
GS-45A-00-01	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-45A-00-01	SW6020	COBALT	9.7		0.043	0.51	MG/KG	9.7	
GS-45A-00-01	SW6020	COPPER	45		0.29	2	MG/KG	45	
GS-45A-00-01	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-45A-00-01	SW6020	LEAD	86		0.067	0.2	MG/KG	86	
GS-45A-00-01	SW6020	MAGNESIUM	3200		3.3	10	MG/KG	3200	
GS-45A-00-01	SW6020	MANGANESE	580		0.38	0.76	MG/KG	580	
GS-45A-00-01	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-45A-00-01	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-45A-00-01	SW6020	SELENIUM	3		0.22	1	MG/KG	3	
GS-45A-00-01	SW6020	SILVER	0.67		0.058	0.12	MG/KG	0.67	
GS-45A-00-01	SW6020	SODIUM	550		15	100	MG/KG	550	
GS-45A-00-01	SW6020	THALLIUM	0.31		0.0099	0.01	MG/KG	0.31	
GS-45A-00-01	SW6020	VANADIUM	27		0.13	0.51	MG/KG	27	
GS-45A-00-01	SW6020	ZINC	260		4.1	10	MG/KG	260	
GS-45A-01-06	SW6020	ALUMINUM	8000		6.7	15	MG/KG	8000	
GS-45A-01-06	SW6020	ANTIMONY	0.41		0.032	0.1	MG/KG	0.41	
GS-45A-01-06	SW6020	ARSENIC	23		0.05	0.21	MG/KG	23	
GS-45A-01-06	SW6020	BARIUM	200		0.24	0.51	MG/KG	200	
GS-45A-01-06	SW6020	BERYLLIUM	0.79		0.0093	0.051	MG/KG	0.79	
GS-45A-01-06	SW6020	CADMIUM	1.1		0.039	0.21	MG/KG	1.1	
GS-45A-01-06	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-45A-01-06	SW6020	CHROMIUM	12		0.57	1	MG/KG	12	
GS-45A-01-06	SW6020	COBALT	11		0.044	0.51	MG/KG	11	
GS-45A-01-06	SW6020	COPPER	38		0.3	2.1	MG/KG	38	
GS-45A-01-06	SW6020	IRON	25000		11	21	MG/KG	25000	
GS-45A-01-06	SW6020	LEAD	61		0.068	0.21	MG/KG	61	
GS-45A-01-06	SW6020	MAGNESIUM	3900		3.4	10	MG/KG	3900	
GS-45A-01-06	SW6020	MANGANESE	670		0.39	0.77	MG/KG	670	
GS-45A-01-06	SW6020	NICKEL	39		0.45	2.1	MG/KG	39	
GS-45A-01-06	SW6020	POTASSIUM	2000		15	100	MG/KG	2000	
GS-45A-01-06	SW6020	SELENIUM	3.3		0.23	1	MG/KG	3.3	
GS-45A-01-06	SW6020	SILVER	0.45		0.059	0.12	MG/KG	0.45	
GS-45A-01-06	SW6020	SODIUM	410		15	100	MG/KG	410	
GS-45A-01-06	SW6020	THALLIUM	0.32		0.01	0.01	MG/KG	0.32	
GS-45A-01-06	SW6020	VANADIUM	26		0.13	0.51	MG/KG	26	
GS-45A-01-06	SW6020	ZINC	180		4.2	10	MG/KG	180	
GS-46A-00-01	SW6020	ALUMINUM	7900		6.9	16	MG/KG	7900	
GS-46A-00-01	SW6020	ANTIMONY	0.61		0.033	0.11	MG/KG	0.61	
GS-46A-00-01	SW6020	ARSENIC	31		0.052	0.21	MG/KG	31	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-46A-00-01	SW6020	BARIUM	200		0.25	0.53	MG/KG	200	
GS-46A-00-01	SW6020	BERYLLIUM	0.79		0.0096	0.053	MG/KG	0.79	
GS-46A-00-01	SW6020	CADMIUM	1.4		0.041	0.21	MG/KG	1.4	
GS-46A-00-01	SW6020	CALCIUM	12000		20	110	MG/KG	12000	
GS-46A-00-01	SW6020	CHROMIUM	19		0.59	1.1	MG/KG	19	
GS-46A-00-01	SW6020	COBALT	12		0.046	0.53	MG/KG	12	
GS-46A-00-01	SW6020	COPPER	43		0.31	2.1	MG/KG	43	
GS-46A-00-01	SW6020	IRON	27000		12	21	MG/KG	27000	
GS-46A-00-01	SW6020	LEAD	84		0.07	0.21	MG/KG	84	
GS-46A-00-01	SW6020	MAGNESIUM	4400		3.5	11	MG/KG	4400	
GS-46A-00-01	SW6020	MANGANESE	780		0.41	0.8	MG/KG	780	
GS-46A-00-01	SW6020	NICKEL	26		0.47	2.1	MG/KG	26	
GS-46A-00-01	SW6020	POTASSIUM	2400		16	110	MG/KG	2400	
GS-46A-00-01	SW6020	SELENIUM	3.1		0.24	1.1	MG/KG	3.1	
GS-46A-00-01	SW6020	SILVER	0.62		0.061	0.12	MG/KG	0.62	
GS-46A-00-01	SW6020	SODIUM	390		16	110	MG/KG	390	
GS-46A-00-01	SW6020	THALLIUM	0.34		0.01	0.011	MG/KG	0.34	
GS-46A-00-01	SW6020	VANADIUM	29		0.14	0.53	MG/KG	29	
GS-46A-00-01	SW6020	ZINC	250		4.4	11	MG/KG	250	
GS-46A-01-06	SW6020	ALUMINUM	8300		6.5	15	MG/KG	8300	
GS-46A-01-06	SW6020	ANTIMONY	0.56		0.031	0.1	MG/KG	0.56	
GS-46A-01-06	SW6020	ARSENIC	29		0.049	0.2	MG/KG	29	
GS-46A-01-06	SW6020	BARIUM	220		0.23	0.5	MG/KG	220	
GS-46A-01-06	SW6020	BERYLLIUM	0.83		0.009	0.05	MG/KG	0.83	
GS-46A-01-06	SW6020	CADMIUM	1.4		0.038	0.2	MG/KG	1.4	
GS-46A-01-06	SW6020	CALCIUM	11000		18	100	MG/KG	11000	
GS-46A-01-06	SW6020	CHROMIUM	28		0.55	1	MG/KG	28	
GS-46A-01-06	SW6020	COBALT	12		0.043	0.5	MG/KG	12	
GS-46A-01-06	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-46A-01-06	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-46A-01-06	SW6020	LEAD	71		0.066	0.2	MG/KG	71	
GS-46A-01-06	SW6020	MAGNESIUM	4600		3.3	10	MG/KG	4600	
GS-46A-01-06	SW6020	MANGANESE	790		0.38	0.75	MG/KG	790	
GS-46A-01-06	SW6020	NICKEL	31		0.44	2	MG/KG	31	
GS-46A-01-06	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-46A-01-06	SW6020	SELENIUM	3.4		0.22	1	MG/KG	3.4	
GS-46A-01-06	SW6020	SILVER	0.78		0.057	0.11	MG/KG	0.78	
GS-46A-01-06	SW6020	SODIUM	450		15	100	MG/KG	450	
GS-46A-01-06	SW6020	THALLIUM	0.35		0.0098	0.01	MG/KG	0.35	
GS-46A-01-06	SW6020	VANADIUM	29		0.13	0.5	MG/KG	29	
GS-46A-01-06	SW6020	ZINC	230		4.1	10	MG/KG	230	
GS-47A-00-01	SW6020	ALUMINUM	7000		6.5	15	MG/KG	7000	
GS-47A-00-01	SW6020	ANTIMONY	0.67		0.031	0.1	MG/KG	0.67	
GS-47A-00-01	SW6020	ARSENIC	27		0.049	0.2	MG/KG	27	
GS-47A-00-01	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-47A-00-01	SW6020	BERYLLIUM	0.75		0.0091	0.05	MG/KG	0.75	
GS-47A-00-01	SW6020	CADMIUM	1.2		0.038	0.2	MG/KG	1.2	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-47A-00-01	SW6020	CALCIUM	16000		19	100	MG/KG	16000	
GS-47A-00-01	SW6020	CHROMIUM	32		0.55	1	MG/KG	32	
GS-47A-00-01	SW6020	COBALT	7.1		0.043	0.5	MG/KG	7.1	
GS-47A-00-01	SW6020	COPPER	30		0.29	2	MG/KG	30	
GS-47A-00-01	SW6020	IRON	19000		11	20	MG/KG	19000	
GS-47A-00-01	SW6020	LEAD	94		0.066	0.2	MG/KG	94	
GS-47A-00-01	SW6020	MAGNESIUM	5700		3.3	10	MG/KG	5700	
GS-47A-00-01	SW6020	MANGANESE	570		0.38	0.75	MG/KG	570	
GS-47A-00-01	SW6020	NICKEL	23		0.44	2	MG/KG	23	
GS-47A-00-01	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-47A-00-01	SW6020	SELENIUM	2.2		0.22	1	MG/KG	2.2	
GS-47A-00-01	SW6020	SILVER	0.63		0.057	0.11	MG/KG	0.63	
GS-47A-00-01	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-47A-00-01	SW6020	THALLIUM	0.27		0.0099	0.01	MG/KG	0.27	
GS-47A-00-01	SW6020	VANADIUM	27		0.13	0.5	MG/KG	27	
GS-47A-00-01	SW6020	ZINC	230		4.1	10	MG/KG	230	
GS-47A-01-06	SW6020	ALUMINUM	7100		6.5	15	MG/KG	7100	
GS-47A-01-06	SW6020	ANTIMONY	0.61		0.031	0.1	MG/KG	0.61	
GS-47A-01-06	SW6020	ARSENIC	26		0.049	0.2	MG/KG	26	
GS-47A-01-06	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-47A-01-06	SW6020	BERYLLIUM	0.78		0.0091	0.05	MG/KG	0.78	
GS-47A-01-06	SW6020	CADMIUM	1.2		0.038	0.2	MG/KG	1.2	
GS-47A-01-06	SW6020	CALCIUM	16000		19	100	MG/KG	16000	
GS-47A-01-06	SW6020	CHROMIUM	27		0.55	1	MG/KG	27	
GS-47A-01-06	SW6020	COBALT	7.5		0.043	0.5	MG/KG	7.5	
GS-47A-01-06	SW6020	COPPER	29		0.29	2	MG/KG	29	
GS-47A-01-06	SW6020	IRON	20000		11	20	MG/KG	20000	
GS-47A-01-06	SW6020	LEAD	86		0.066	0.2	MG/KG	86	
GS-47A-01-06	SW6020	MAGNESIUM	5400		3.3	10	MG/KG	5400	
GS-47A-01-06	SW6020	MANGANESE	600		0.38	0.75	MG/KG	600	
GS-47A-01-06	SW6020	NICKEL	22		0.44	2	MG/KG	22	
GS-47A-01-06	SW6020	POTASSIUM	2000		15	100	MG/KG	2000	
GS-47A-01-06	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-47A-01-06	SW6020	SILVER	0.61		0.057	0.11	MG/KG	0.61	
GS-47A-01-06	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-47A-01-06	SW6020	THALLIUM	0.27		0.0099	0.01	MG/KG	0.27	
GS-47A-01-06	SW6020	VANADIUM	27		0.13	0.5	MG/KG	27	
GS-47A-01-06	SW6020	ZINC	210		4.1	10	MG/KG	210	
GS-BG01-00-01	SW6020	ALUMINUM	6700		6.6	15	MG/KG	6700	
GS-BG01-00-01	SW6020	ANTIMONY	0.24		0.031	0.1	MG/KG	0.24	
GS-BG01-00-01	SW6020	ARSENIC	11		0.049	0.2	MG/KG	11	
GS-BG01-00-01	SW6020	BARIUM	96		0.23	0.5	MG/KG	96	
GS-BG01-00-01	SW6020	BERYLLIUM	0.7		0.0091	0.05	MG/KG	0.7	
GS-BG01-00-01	SW6020	CADMIUM	0.39		0.038	0.2	MG/KG	0.39	
GS-BG01-00-01	SW6020	CALCIUM	6400		19	100	MG/KG	6400	
GS-BG01-00-01	SW6020	CHROMIUM	36		0.55	1	MG/KG	36	
GS-BG01-00-01	SW6020	COBALT	7		0.043	0.5	MG/KG	7	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-BG01-00-01	SW6020	COPPER	17		0.29	2	MG/KG	17	
GS-BG01-00-01	SW6020	IRON	17000		11	20	MG/KG	17000	
GS-BG01-00-01	SW6020	LEAD	36		0.067	0.2	MG/KG	36	
GS-BG01-00-01	SW6020	MAGNESIUM	3200		3.3	10	MG/KG	3200	
GS-BG01-00-01	SW6020	MANGANESE	450		0.38	0.76	MG/KG	450	
GS-BG01-00-01	SW6020	NICKEL	27		0.44	2	MG/KG	27	
GS-BG01-00-01	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-BG01-00-01	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-BG01-00-01	SW6020	SILVER	0.09	J	0.057	0.11	MG/KG	0.09	J
GS-BG01-00-01	SW6020	SODIUM	54	J	15	100	MG/KG	100	U
GS-BG01-00-01	SW6020	THALLIUM	0.17		0.0099	0.01	MG/KG	0.17	
GS-BG01-00-01	SW6020	VANADIUM	18		0.13	0.5	MG/KG	18	
GS-BG01-00-01	SW6020	ZINC	75		4.1	10	MG/KG	75	
GS-BG01-00-06	SW7471	MERCURY	0.014	J	0.0043	0.034	MG/KG	0.014	J-
GS-BG01-01-06	SW6020	ALUMINUM	6600		6.5	15	MG/KG	6600	
GS-BG01-01-06	SW6020	ANTIMONY	0.25		0.031	0.1	MG/KG	0.25	
GS-BG01-01-06	SW6020	ARSENIC	10		0.049	0.2	MG/KG	10	
GS-BG01-01-06	SW6020	BARIUM	93		0.23	0.5	MG/KG	93	
GS-BG01-01-06	SW6020	BERYLLIUM	0.68		0.009	0.05	MG/KG	0.68	
GS-BG01-01-06	SW6020	CADMIUM	0.39		0.038	0.2	MG/KG	0.39	
GS-BG01-01-06	SW6020	CALCIUM	5800		19	100	MG/KG	5800	
GS-BG01-01-06	SW6020	CHROMIUM	35		0.55	1	MG/KG	35	
GS-BG01-01-06	SW6020	COBALT	6.9		0.043	0.5	MG/KG	6.9	
GS-BG01-01-06	SW6020	COPPER	18		0.29	2	MG/KG	18	
GS-BG01-01-06	SW6020	IRON	17000		11	20	MG/KG	17000	
GS-BG01-01-06	SW6020	LEAD	37		0.066	0.2	MG/KG	37	
GS-BG01-01-06	SW6020	MAGNESIUM	3000		3.3	10	MG/KG	3000	
GS-BG01-01-06	SW6020	MANGANESE	430		0.38	0.75	MG/KG	430	
GS-BG01-01-06	SW6020	NICKEL	26		0.44	2	MG/KG	26	
GS-BG01-01-06	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-BG01-01-06	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-BG01-01-06	SW6020	SILVER	0.08	J	0.057	0.11	MG/KG	0.08	J
GS-BG01-01-06	SW6020	SODIUM	47	J	15	100	MG/KG	100	U
GS-BG01-01-06	SW6020	THALLIUM	0.17		0.0098	0.01	MG/KG	0.17	
GS-BG01-01-06	SW6020	VANADIUM	18		0.13	0.5	MG/KG	18	
GS-BG01-01-06	SW6020	ZINC	77		4.1	10	MG/KG	77	
GS-BG02-00-01	SW6020	ALUMINUM	8300		6.6	15	MG/KG	8300	
GS-BG02-00-01	SW6020	ANTIMONY	0.25		0.031	0.1	MG/KG	0.25	
GS-BG02-00-01	SW6020	ARSENIC	11		0.05	0.2	MG/KG	11	
GS-BG02-00-01	SW6020	BARIUM	98		0.23	0.51	MG/KG	98	
GS-BG02-00-01	SW6020	BERYLLIUM	0.65		0.0091	0.051	MG/KG	0.65	
GS-BG02-00-01	SW6020	CADMIUM	0.35		0.038	0.2	MG/KG	0.35	
GS-BG02-00-01	SW6020	CALCIUM	6000		19	100	MG/KG	6000	
GS-BG02-00-01	SW6020	CHROMIUM	23		0.56	1	MG/KG	23	
GS-BG02-00-01	SW6020	COBALT	7.1		0.044	0.51	MG/KG	7.1	
GS-BG02-00-01	SW6020	COPPER	18		0.29	2	MG/KG	18	
GS-BG02-00-01	SW6020	IRON	17000		11	20	MG/KG	17000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-BG02-00-01	SW6020	LEAD	29		0.067	0.2	MG/KG	29	
GS-BG02-00-01	SW6020	MAGNESIUM	3300		3.3	10	MG/KG	3300	
GS-BG02-00-01	SW6020	MANGANESE	390		0.38	0.76	MG/KG	390	
GS-BG02-00-01	SW6020	NICKEL	22		0.45	2	MG/KG	22	
GS-BG02-00-01	SW6020	POTASSIUM	2200		15	100	MG/KG	2200	
GS-BG02-00-01	SW6020	SELENIUM	2		0.22	1	MG/KG	2	
GS-BG02-00-01	SW6020	SILVER	0.085	J	0.058	0.12	MG/KG	0.085	J
GS-BG02-00-01	SW6020	SODIUM	40	J	15	100	MG/KG	100	U
GS-BG02-00-01	SW6020	THALLIUM	0.18		0.0099	0.01	MG/KG	0.18	
GS-BG02-00-01	SW6020	VANADIUM	20		0.13	0.51	MG/KG	20	
GS-BG02-00-01	SW6020	ZINC	72		4.1	10	MG/KG	72	
GS-BG02-00-06	SW7471	MERCURY	0.041		0.0044	0.035	MG/KG	0.041	J-
GS-BG02-01-06	SW6020	ALUMINUM	8800		6.5	15	MG/KG	8800	
GS-BG02-01-06	SW6020	ANTIMONY	0.24		0.031	0.1	MG/KG	0.24	
GS-BG02-01-06	SW6020	ARSENIC	11		0.049	0.2	MG/KG	11	
GS-BG02-01-06	SW6020	BARIUM	100		0.23	0.5	MG/KG	100	
GS-BG02-01-06	SW6020	BERYLLIUM	0.69		0.009	0.05	MG/KG	0.69	
GS-BG02-01-06	SW6020	CADMIUM	0.35		0.038	0.2	MG/KG	0.35	
GS-BG02-01-06	SW6020	CALCIUM	6600		18	100	MG/KG	6600	
GS-BG02-01-06	SW6020	CHROMIUM	46		0.55	1	MG/KG	46	
GS-BG02-01-06	SW6020	COBALT	7.6		0.043	0.5	MG/KG	7.6	
GS-BG02-01-06	SW6020	COPPER	20		0.29	2	MG/KG	20	
GS-BG02-01-06	SW6020	IRON	18000		11	20	MG/KG	18000	
GS-BG02-01-06	SW6020	LEAD	29		0.066	0.2	MG/KG	29	
GS-BG02-01-06	SW6020	MAGNESIUM	3500		3.3	10	MG/KG	3500	
GS-BG02-01-06	SW6020	MANGANESE	400		0.38	0.75	MG/KG	400	
GS-BG02-01-06	SW6020	NICKEL	34		0.44	2	MG/KG	34	
GS-BG02-01-06	SW6020	POTASSIUM	2200		15	100	MG/KG	2200	
GS-BG02-01-06	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-BG02-01-06	SW6020	SILVER	0.098	J	0.057	0.11	MG/KG	0.098	J
GS-BG02-01-06	SW6020	SODIUM	42	J	15	100	MG/KG	100	U
GS-BG02-01-06	SW6020	THALLIUM	0.19		0.0098	0.01	MG/KG	0.19	
GS-BG02-01-06	SW6020	VANADIUM	21		0.13	0.5	MG/KG	21	
GS-BG02-01-06	SW6020	ZINC	74		4.1	10	MG/KG	74	
GS-BG03-00-01	SW6020	ALUMINUM	5500		6.5	15	MG/KG	5500	
GS-BG03-00-01	SW6020	ANTIMONY	0.21		0.031	0.1	MG/KG	0.21	
GS-BG03-00-01	SW6020	ARSENIC	7.1		0.049	0.2	MG/KG	7.1	
GS-BG03-00-01	SW6020	BARIUM	91		0.23	0.5	MG/KG	91	
GS-BG03-00-01	SW6020	BERYLLIUM	0.57		0.009	0.05	MG/KG	0.57	
GS-BG03-00-01	SW6020	CADMIUM	0.38		0.038	0.2	MG/KG	0.38	
GS-BG03-00-01	SW6020	CALCIUM	5300		19	100	MG/KG	5300	
GS-BG03-00-01	SW6020	CHROMIUM	15		0.55	1	MG/KG	15	
GS-BG03-00-01	SW6020	COBALT	4.6		0.043	0.5	MG/KG	4.6	
GS-BG03-00-01	SW6020	COPPER	12		0.29	2	MG/KG	12	
GS-BG03-00-01	SW6020	IRON	12000		11	20	MG/KG	12000	
GS-BG03-00-01	SW6020	LEAD	30		0.066	0.2	MG/KG	30	
GS-BG03-00-01	SW6020	MAGNESIUM	1900		3.3	10	MG/KG	1900	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-BG03-00-01	SW6020	MANGANESE	300		0.38	0.75	MG/KG	300	
GS-BG03-00-01	SW6020	NICKEL	11		0.44	2	MG/KG	11	
GS-BG03-00-01	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-BG03-00-01	SW6020	SELENIUM	1.8		0.22	1	MG/KG	1.8	
GS-BG03-00-01	SW6020	SILVER	0.063	J	0.057	0.11	MG/KG	0.063	J
GS-BG03-00-01	SW6020	SODIUM	29	J	15	100	MG/KG	100	U
GS-BG03-00-01	SW6020	THALLIUM	0.14		0.0098	0.01	MG/KG	0.14	
GS-BG03-00-01	SW6020	VANADIUM	17		0.13	0.5	MG/KG	17	
GS-BG03-00-01	SW6020	ZINC	63		4.1	10	MG/KG	63	
GS-BG03-00-06	SW7471	MERCURY	0.012	J	0.0043	0.034	MG/KG	0.012	J-
GS-BG03-01-06	SW6020	ALUMINUM	5500		6.5	15	MG/KG	5500	
GS-BG03-01-06	SW6020	ANTIMONY	0.2		0.031	0.1	MG/KG	0.2	
GS-BG03-01-06	SW6020	ARSENIC	7.4		0.049	0.2	MG/KG	7.4	
GS-BG03-01-06	SW6020	BARIUM	84		0.23	0.5	MG/KG	84	
GS-BG03-01-06	SW6020	BERYLLIUM	0.58		0.009	0.05	MG/KG	0.58	
GS-BG03-01-06	SW6020	CADMIUM	0.29		0.038	0.2	MG/KG	0.29	
GS-BG03-01-06	SW6020	CALCIUM	4100		18	100	MG/KG	4100	
GS-BG03-01-06	SW6020	CHROMIUM	31		0.55	1	MG/KG	31	
GS-BG03-01-06	SW6020	COBALT	4.8		0.043	0.5	MG/KG	4.8	
GS-BG03-01-06	SW6020	COPPER	12		0.29	2	MG/KG	12	
GS-BG03-01-06	SW6020	IRON	13000		11	20	MG/KG	13000	
GS-BG03-01-06	SW6020	LEAD	22		0.066	0.2	MG/KG	22	
GS-BG03-01-06	SW6020	MAGNESIUM	1800		3.3	10	MG/KG	1800	
GS-BG03-01-06	SW6020	MANGANESE	310		0.38	0.75	MG/KG	310	
GS-BG03-01-06	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-BG03-01-06	SW6020	POTASSIUM	1900		15	100	MG/KG	1900	
GS-BG03-01-06	SW6020	SELENIUM	1.9		0.22	1	MG/KG	1.9	
GS-BG03-01-06	SW6020	SILVER	0.057	U	0.057	0.11	MG/KG	0.11	U
GS-BG03-01-06	SW6020	SODIUM	29	J	15	100	MG/KG	100	U
GS-BG03-01-06	SW6020	THALLIUM	0.14		0.0098	0.01	MG/KG	0.14	
GS-BG03-01-06	SW6020	VANADIUM	17		0.13	0.5	MG/KG	17	
GS-BG03-01-06	SW6020	ZINC	54		4.1	10	MG/KG	54	
GS-CA01-00-01	SW6020	ALUMINUM	6100		6.5	15	MG/KG	6100	
GS-CA01-00-01	SW6020	ANTIMONY	1.5		0.031	0.1	MG/KG	1.5	
GS-CA01-00-01	SW6020	ARSENIC	64		0.049	0.2	MG/KG	64	
GS-CA01-00-01	SW6020	BARIUM	150		0.23	0.5	MG/KG	150	
GS-CA01-00-01	SW6020	BERYLLIUM	0.81		0.0091	0.05	MG/KG	0.81	
GS-CA01-00-01	SW6020	CADMIUM	1.8		0.038	0.2	MG/KG	1.8	
GS-CA01-00-01	SW6020	CALCIUM	9200		19	100	MG/KG	9200	
GS-CA01-00-01	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-CA01-00-01	SW6020	COBALT	9.1		0.043	0.5	MG/KG	9.1	
GS-CA01-00-01	SW6020	COPPER	52		0.29	2	MG/KG	52	
GS-CA01-00-01	SW6020	IRON	32000		11	20	MG/KG	32000	
GS-CA01-00-01	SW6020	LEAD	290		0.066	0.2	MG/KG	290	
GS-CA01-00-01	SW6020	MAGNESIUM	2900		3.3	10	MG/KG	2900	
GS-CA01-00-01	SW6020	MANGANESE	740		0.38	0.76	MG/KG	740	
GS-CA01-00-01	SW6020	NICKEL	17		0.44	2	MG/KG	17	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA01-00-01	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-CA01-00-01	SW6020	SELENIUM	2.9		0.22	1	MG/KG	2.9	
GS-CA01-00-01	SW6020	SILVER	2		0.057	0.11	MG/KG	2	
GS-CA01-00-01	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-CA01-00-01	SW6020	THALLIUM	0.4		0.0099	0.01	MG/KG	0.4	
GS-CA01-00-01	SW6020	VANADIUM	35		0.13	0.5	MG/KG	35	
GS-CA01-00-01	SW6020	ZINC	370		4.1	10	MG/KG	370	
GS-CA01-01-06	SW6020	ALUMINUM	6700		6.6	15	MG/KG	6700	
GS-CA01-01-06	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-CA01-01-06	SW6020	ARSENIC	60		0.049	0.2	MG/KG	60	
GS-CA01-01-06	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-CA01-01-06	SW6020	BERYLLIUM	0.78		0.0091	0.05	MG/KG	0.78	
GS-CA01-01-06	SW6020	CADMIUM	1.7		0.038	0.2	MG/KG	1.7	
GS-CA01-01-06	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-CA01-01-06	SW6020	CHROMIUM	22		0.55	1	MG/KG	22	
GS-CA01-01-06	SW6020	COBALT	10		0.043	0.5	MG/KG	10	
GS-CA01-01-06	SW6020	COPPER	57		0.29	2	MG/KG	57	
GS-CA01-01-06	SW6020	IRON	36000		11	20	MG/KG	36000	
GS-CA01-01-06	SW6020	LEAD	290		0.067	0.2	MG/KG	290	
GS-CA01-01-06	SW6020	MAGNESIUM	3000		3.3	10	MG/KG	3000	
GS-CA01-01-06	SW6020	MANGANESE	710		0.38	0.76	MG/KG	710	
GS-CA01-01-06	SW6020	NICKEL	25		0.44	2	MG/KG	25	
GS-CA01-01-06	SW6020	POTASSIUM	2500		15	100	MG/KG	2500	
GS-CA01-01-06	SW6020	SELENIUM	3.3		0.22	1	MG/KG	3.3	
GS-CA01-01-06	SW6020	SILVER	1.9		0.057	0.11	MG/KG	1.9	
GS-CA01-01-06	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-CA01-01-06	SW6020	THALLIUM	0.42		0.0099	0.01	MG/KG	0.42	
GS-CA01-01-06	SW6020	VANADIUM	36		0.13	0.5	MG/KG	36	
GS-CA01-01-06	SW6020	ZINC	340		4.1	10	MG/KG	340	
GS-CA02-00-01	SW6020	ALUMINUM	7900		6.7	15	MG/KG	7900	
GS-CA02-00-01	SW6020	ANTIMONY	1.1		0.032	0.1	MG/KG	1.1	
GS-CA02-00-01	SW6020	ARSENIC	51		0.05	0.21	MG/KG	51	
GS-CA02-00-01	SW6020	BARIUM	170		0.24	0.51	MG/KG	170	
GS-CA02-00-01	SW6020	BERYLLIUM	0.76		0.0092	0.051	MG/KG	0.76	
GS-CA02-00-01	SW6020	CADMIUM	1.7		0.039	0.21	MG/KG	1.7	
GS-CA02-00-01	SW6020	CALCIUM	15000		19	100	MG/KG	15000	
GS-CA02-00-01	SW6020	CHROMIUM	14		0.57	1	MG/KG	14	
GS-CA02-00-01	SW6020	COBALT	12		0.044	0.51	MG/KG	12	
GS-CA02-00-01	SW6020	COPPER	44		0.3	2.1	MG/KG	44	
GS-CA02-00-01	SW6020	IRON	34000		11	21	MG/KG	34000	
GS-CA02-00-01	SW6020	LEAD	160		0.068	0.21	MG/KG	160	
GS-CA02-00-01	SW6020	MAGNESIUM	3600		3.4	10	MG/KG	3600	
GS-CA02-00-01	SW6020	MANGANESE	850		0.39	0.77	MG/KG	850	
GS-CA02-00-01	SW6020	NICKEL	25		0.45	2.1	MG/KG	25	
GS-CA02-00-01	SW6020	POTASSIUM	4000		15	100	MG/KG	4000	
GS-CA02-00-01	SW6020	SELENIUM	3.8		0.23	1	MG/KG	3.8	
GS-CA02-00-01	SW6020	SILVER	1.1		0.059	0.12	MG/KG	1.1	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA02-00-01	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-CA02-00-01	SW6020	THALLIUM	0.4		0.01	0.01	MG/KG	0.4	
GS-CA02-00-01	SW6020	VANADIUM	37		0.13	0.51	MG/KG	37	
GS-CA02-00-01	SW6020	ZINC	290		4.2	10	MG/KG	290	
GS-CA02-00-06	SW7471	MERCURY	0.061		0.0047	0.037	MG/KG	0.061	J-
GS-CA02-01-06	SW6020	ALUMINUM	8300		6.7	16	MG/KG	8300	
GS-CA02-01-06	SW6020	ANTIMONY	0.76		0.032	0.1	MG/KG	0.76	
GS-CA02-01-06	SW6020	ARSENIC	39		0.051	0.21	MG/KG	39	
GS-CA02-01-06	SW6020	BARIUM	160		0.24	0.52	MG/KG	160	
GS-CA02-01-06	SW6020	BERYLLIUM	0.76		0.0093	0.052	MG/KG	0.76	
GS-CA02-01-06	SW6020	CADMIUM	1.5		0.039	0.21	MG/KG	1.5	
GS-CA02-01-06	SW6020	CALCIUM	19000		19	100	MG/KG	19000	
GS-CA02-01-06	SW6020	CHROMIUM	15		0.57	1	MG/KG	15	
GS-CA02-01-06	SW6020	COBALT	14		0.044	0.52	MG/KG	14	
GS-CA02-01-06	SW6020	COPPER	45		0.3	2.1	MG/KG	45	
GS-CA02-01-06	SW6020	IRON	36000		11	21	MG/KG	36000	
GS-CA02-01-06	SW6020	LEAD	120		0.068	0.21	MG/KG	120	
GS-CA02-01-06	SW6020	MAGNESIUM	3700		3.4	10	MG/KG	3700	
GS-CA02-01-06	SW6020	MANGANESE	770		0.39	0.78	MG/KG	770	
GS-CA02-01-06	SW6020	NICKEL	28		0.46	2.1	MG/KG	28	
GS-CA02-01-06	SW6020	POTASSIUM	2800		16	100	MG/KG	2800	
GS-CA02-01-06	SW6020	SELENIUM	4.5		0.23	1	MG/KG	4.5	
GS-CA02-01-06	SW6020	SILVER	0.83		0.059	0.12	MG/KG	0.83	
GS-CA02-01-06	SW6020	SODIUM	200		16	100	MG/KG	200	J+
GS-CA02-01-06	SW6020	THALLIUM	0.38		0.01	0.01	MG/KG	0.38	
GS-CA02-01-06	SW6020	VANADIUM	34		0.13	0.52	MG/KG	34	
GS-CA02-01-06	SW6020	ZINC	240		4.2	10	MG/KG	240	
GS-CA03-00-01	SW6020	ALUMINUM	6900		6.5	15	MG/KG	6900	
GS-CA03-00-01	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-CA03-00-01	SW6020	ARSENIC	62		0.049	0.2	MG/KG	62	
GS-CA03-00-01	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-CA03-00-01	SW6020	BERYLLIUM	0.83		0.009	0.05	MG/KG	0.83	
GS-CA03-00-01	SW6020	CADMIUM	2.1		0.038	0.2	MG/KG	2.1	
GS-CA03-00-01	SW6020	CALCIUM	20000		19	100	MG/KG	20000	
GS-CA03-00-01	SW6020	CHROMIUM	16		0.55	1	MG/KG	16	
GS-CA03-00-01	SW6020	COBALT	10		0.043	0.5	MG/KG	10	
GS-CA03-00-01	SW6020	COPPER	240		0.29	2	MG/KG	240	
GS-CA03-00-01	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-CA03-00-01	SW6020	LEAD	230		0.066	0.2	MG/KG	230	
GS-CA03-00-01	SW6020	MAGNESIUM	5200		3.3	10	MG/KG	5200	
GS-CA03-00-01	SW6020	MANGANESE	870		0.38	0.75	MG/KG	870	
GS-CA03-00-01	SW6020	NICKEL	23		0.44	2	MG/KG	23	
GS-CA03-00-01	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-CA03-00-01	SW6020	SELENIUM	2.9		0.22	1	MG/KG	2.9	
GS-CA03-00-01	SW6020	SILVER	1.6		0.057	0.11	MG/KG	1.6	
GS-CA03-00-01	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-CA03-00-01	SW6020	THALLIUM	0.39		0.0098	0.01	MG/KG	0.39	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA03-00-01	SW6020	VANADIUM	38		0.13	0.5	MG/KG	38	
GS-CA03-00-01	SW6020	ZINC	500		4.1	10	MG/KG	500	
GS-CA03-01-06	SW6020	ALUMINUM	8000		6.6	15	MG/KG	8000	
GS-CA03-01-06	SW6020	ANTIMONY	1		0.032	0.1	MG/KG	1	
GS-CA03-01-06	SW6020	ARSENIC	52		0.05	0.2	MG/KG	52	
GS-CA03-01-06	SW6020	BARIUM	180		0.23	0.51	MG/KG	180	
GS-CA03-01-06	SW6020	BERYLLIUM	0.83		0.0092	0.051	MG/KG	0.83	
GS-CA03-01-06	SW6020	CADMIUM	2		0.039	0.2	MG/KG	2	
GS-CA03-01-06	SW6020	CALCIUM	20000		19	100	MG/KG	20000	
GS-CA03-01-06	SW6020	CHROMIUM	19		0.56	1	MG/KG	19	
GS-CA03-01-06	SW6020	COBALT	12		0.044	0.51	MG/KG	12	
GS-CA03-01-06	SW6020	COPPER	51		0.3	2	MG/KG	51	
GS-CA03-01-06	SW6020	IRON	34000		11	20	MG/KG	34000	
GS-CA03-01-06	SW6020	LEAD	180		0.067	0.2	MG/KG	180	
GS-CA03-01-06	SW6020	MAGNESIUM	4300		3.4	10	MG/KG	4300	
GS-CA03-01-06	SW6020	MANGANESE	850		0.39	0.77	MG/KG	850	
GS-CA03-01-06	SW6020	NICKEL	28		0.45	2	MG/KG	28	
GS-CA03-01-06	SW6020	POTASSIUM	2200		15	100	MG/KG	2200	
GS-CA03-01-06	SW6020	SELENIUM	3.6		0.23	1	MG/KG	3.6	
GS-CA03-01-06	SW6020	SILVER	1.3		0.058	0.12	MG/KG	1.3	
GS-CA03-01-06	SW6020	SODIUM	190		15	100	MG/KG	190	J+
GS-CA03-01-06	SW6020	THALLIUM	0.44		0.01	0.01	MG/KG	0.44	
GS-CA03-01-06	SW6020	VANADIUM	38		0.13	0.51	MG/KG	38	
GS-CA03-01-06	SW6020	ZINC	320		4.2	10	MG/KG	320	
GS-CA04-00-01	SW6020	ALUMINUM	6100		6.6	15	MG/KG	6100	
GS-CA04-00-01	SW6020	ANTIMONY	1.5		0.031	0.1	MG/KG	1.5	
GS-CA04-00-01	SW6020	ARSENIC	73		0.049	0.2	MG/KG	73	
GS-CA04-00-01	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-CA04-00-01	SW6020	BERYLLIUM	0.72		0.0091	0.05	MG/KG	0.72	
GS-CA04-00-01	SW6020	CADMIUM	2.5		0.038	0.2	MG/KG	2.5	
GS-CA04-00-01	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-CA04-00-01	SW6020	CHROMIUM	19		0.55	1	MG/KG	19	
GS-CA04-00-01	SW6020	COBALT	8.1		0.043	0.5	MG/KG	8.1	
GS-CA04-00-01	SW6020	COPPER	46		0.29	2	MG/KG	46	
GS-CA04-00-01	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-CA04-00-01	SW6020	LEAD	250		0.067	0.2	MG/KG	250	
GS-CA04-00-01	SW6020	MAGNESIUM	3600		3.3	10	MG/KG	3600	
GS-CA04-00-01	SW6020	MANGANESE	880		0.38	0.76	MG/KG	880	
GS-CA04-00-01	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-CA04-00-01	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-CA04-00-01	SW6020	SELENIUM	2.5		0.22	1	MG/KG	2.5	
GS-CA04-00-01	SW6020	SILVER	2.1		0.057	0.12	MG/KG	2.1	
GS-CA04-00-01	SW6020	SODIUM	150		15	100	MG/KG	150	J+
GS-CA04-00-01	SW6020	THALLIUM	0.4		0.0099	0.01	MG/KG	0.4	
GS-CA04-00-01	SW6020	VANADIUM	42		0.13	0.5	MG/KG	42	
GS-CA04-00-01	SW6020	ZINC	510		4.1	10	MG/KG	510	
GS-CA04-00-01-DUP	SW6020	ALUMINUM	5900		6.6	15	MG/KG	5900	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA04-00-01-DUP	SW6020	ANTIMONY	1.7		0.031	0.1	MG/KG	1.7	
GS-CA04-00-01-DUP	SW6020	ARSENIC	84		0.05	0.2	MG/KG	84	
GS-CA04-00-01-DUP	SW6020	BARIUM	160		0.23	0.51	MG/KG	160	
GS-CA04-00-01-DUP	SW6020	BERYLLIUM	0.73		0.0091	0.051	MG/KG	0.73	
GS-CA04-00-01-DUP	SW6020	CADMIUM	2.7		0.039	0.2	MG/KG	2.7	
GS-CA04-00-01-DUP	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-CA04-00-01-DUP	SW6020	CHROMIUM	19		0.56	1	MG/KG	19	
GS-CA04-00-01-DUP	SW6020	COBALT	7.4		0.044	0.51	MG/KG	7.4	
GS-CA04-00-01-DUP	SW6020	COPPER	48		0.29	2	MG/KG	48	
GS-CA04-00-01-DUP	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-CA04-00-01-DUP	SW6020	LEAD	310		0.067	0.2	MG/KG	310	
GS-CA04-00-01-DUP	SW6020	MAGNESIUM	3600		3.3	10	MG/KG	3600	
GS-CA04-00-01-DUP	SW6020	MANGANESE	880		0.39	0.76	MG/KG	880	
GS-CA04-00-01-DUP	SW6020	NICKEL	18		0.45	2	MG/KG	18	
GS-CA04-00-01-DUP	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-CA04-00-01-DUP	SW6020	SELENIUM	2.5		0.23	1	MG/KG	2.5	
GS-CA04-00-01-DUP	SW6020	SILVER	2.3		0.058	0.12	MG/KG	2.3	
GS-CA04-00-01-DUP	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-CA04-00-01-DUP	SW6020	THALLIUM	0.41		0.0099	0.01	MG/KG	0.41	
GS-CA04-00-01-DUP	SW6020	VANADIUM	43		0.13	0.51	MG/KG	43	
GS-CA04-00-01-DUP	SW6020	ZINC	560		4.2	10	MG/KG	560	
GS-CA04-00-01-TRI	SW6020	ALUMINUM	5800		6.5	15	MG/KG	5800	
GS-CA04-00-01-TRI	SW6020	ANTIMONY	1.7		0.031	0.1	MG/KG	1.7	
GS-CA04-00-01-TRI	SW6020	ARSENIC	84		0.049	0.2	MG/KG	84	
GS-CA04-00-01-TRI	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-CA04-00-01-TRI	SW6020	BERYLLIUM	0.74		0.009	0.05	MG/KG	0.74	
GS-CA04-00-01-TRI	SW6020	CADMIUM	2.5		0.038	0.2	MG/KG	2.5	
GS-CA04-00-01-TRI	SW6020	CALCIUM	12000		18	100	MG/KG	12000	
GS-CA04-00-01-TRI	SW6020	CHROMIUM	16		0.55	1	MG/KG	16	
GS-CA04-00-01-TRI	SW6020	COBALT	7.1		0.043	0.5	MG/KG	7.1	
GS-CA04-00-01-TRI	SW6020	COPPER	48		0.29	2	MG/KG	48	
GS-CA04-00-01-TRI	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-CA04-00-01-TRI	SW6020	LEAD	270		0.066	0.2	MG/KG	270	
GS-CA04-00-01-TRI	SW6020	MAGNESIUM	3700		3.3	10	MG/KG	3700	
GS-CA04-00-01-TRI	SW6020	MANGANESE	900		0.38	0.75	MG/KG	900	
GS-CA04-00-01-TRI	SW6020	NICKEL	16		0.44	2	MG/KG	16	
GS-CA04-00-01-TRI	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-CA04-00-01-TRI	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-CA04-00-01-TRI	SW6020	SILVER	2		0.057	0.11	MG/KG	2	
GS-CA04-00-01-TRI	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-CA04-00-01-TRI	SW6020	THALLIUM	0.41		0.0098	0.01	MG/KG	0.41	
GS-CA04-00-01-TRI	SW6020	VANADIUM	43		0.13	0.5	MG/KG	43	
GS-CA04-00-01-TRI	SW6020	ZINC	520		4.1	10	MG/KG	520	
GS-CA04-01-06	SW6020	ALUMINUM	6200		6.5	15	MG/KG	6200	
GS-CA04-01-06	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-CA04-01-06	SW6020	ARSENIC	63		0.049	0.2	MG/KG	63	
GS-CA04-01-06	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA04-01-06	SW6020	BERYLLIUM	0.79		0.0091	0.05	MG/KG	0.79	
GS-CA04-01-06	SW6020	CADMIUM	2.3		0.038	0.2	MG/KG	2.3	
GS-CA04-01-06	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-CA04-01-06	SW6020	CHROMIUM	24		0.55	1	MG/KG	24	
GS-CA04-01-06	SW6020	COBALT	7.7		0.043	0.5	MG/KG	7.7	
GS-CA04-01-06	SW6020	COPPER	44		0.29	2	MG/KG	44	
GS-CA04-01-06	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-CA04-01-06	SW6020	LEAD	260		0.066	0.2	MG/KG	260	
GS-CA04-01-06	SW6020	MAGNESIUM	4000		3.3	10	MG/KG	4000	
GS-CA04-01-06	SW6020	MANGANESE	800		0.38	0.76	MG/KG	800	
GS-CA04-01-06	SW6020	NICKEL	22		0.44	2	MG/KG	22	
GS-CA04-01-06	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-CA04-01-06	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-CA04-01-06	SW6020	SILVER	1.8		0.057	0.11	MG/KG	1.8	
GS-CA04-01-06	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-CA04-01-06	SW6020	THALLIUM	0.39		0.0099	0.01	MG/KG	0.39	
GS-CA04-01-06	SW6020	VANADIUM	38		0.13	0.5	MG/KG	38	
GS-CA04-01-06	SW6020	ZINC	440		4.1	10	MG/KG	440	
GS-CA04-01-06-DUP	SW6020	ALUMINUM	6300		6.6	15	MG/KG	6300	
GS-CA04-01-06-DUP	SW6020	ANTIMONY	1.2		0.031	0.1	MG/KG	1.2	
GS-CA04-01-06-DUP	SW6020	ARSENIC	63		0.05	0.2	MG/KG	63	
GS-CA04-01-06-DUP	SW6020	BARIUM	180		0.23	0.51	MG/KG	180	
GS-CA04-01-06-DUP	SW6020	BERYLLIUM	0.78		0.0091	0.051	MG/KG	0.78	
GS-CA04-01-06-DUP	SW6020	CADMIUM	2.2		0.038	0.2	MG/KG	2.2	
GS-CA04-01-06-DUP	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-CA04-01-06-DUP	SW6020	CHROMIUM	26		0.56	1	MG/KG	26	
GS-CA04-01-06-DUP	SW6020	COBALT	8.1		0.043	0.51	MG/KG	8.1	
GS-CA04-01-06-DUP	SW6020	COPPER	44		0.29	2	MG/KG	44	
GS-CA04-01-06-DUP	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-CA04-01-06-DUP	SW6020	LEAD	260		0.067	0.2	MG/KG	260	
GS-CA04-01-06-DUP	SW6020	MAGNESIUM	3900		3.3	10	MG/KG	3900	
GS-CA04-01-06-DUP	SW6020	MANGANESE	770		0.38	0.76	MG/KG	770	
GS-CA04-01-06-DUP	SW6020	NICKEL	24		0.44	2	MG/KG	24	
GS-CA04-01-06-DUP	SW6020	POTASSIUM	2800		15	100	MG/KG	2800	
GS-CA04-01-06-DUP	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-CA04-01-06-DUP	SW6020	SILVER	1.8		0.058	0.12	MG/KG	1.8	
GS-CA04-01-06-DUP	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-CA04-01-06-DUP	SW6020	THALLIUM	0.4		0.0099	0.01	MG/KG	0.4	
GS-CA04-01-06-DUP	SW6020	VANADIUM	39		0.13	0.51	MG/KG	39	
GS-CA04-01-06-DUP	SW6020	ZINC	420		4.1	10	MG/KG	420	
GS-CA04-01-06-TRI	SW6020	ALUMINUM	5900		6.6	15	MG/KG	5900	
GS-CA04-01-06-TRI	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-CA04-01-06-TRI	SW6020	ARSENIC	62		0.049	0.2	MG/KG	62	
GS-CA04-01-06-TRI	SW6020	BARIUM	150		0.23	0.5	MG/KG	150	
GS-CA04-01-06-TRI	SW6020	BERYLLIUM	0.71		0.0091	0.05	MG/KG	0.71	
GS-CA04-01-06-TRI	SW6020	CADMIUM	2		0.038	0.2	MG/KG	2	
GS-CA04-01-06-TRI	SW6020	CALCIUM	15000		19	100	MG/KG	15000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA04-01-06-TRI	SW6020	CHROMIUM	23		0.55	1	MG/KG	23	
GS-CA04-01-06-TRI	SW6020	COBALT	7.7		0.043	0.5	MG/KG	7.7	
GS-CA04-01-06-TRI	SW6020	COPPER	44		0.29	2	MG/KG	44	
GS-CA04-01-06-TRI	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-CA04-01-06-TRI	SW6020	LEAD	250		0.067	0.2	MG/KG	250	
GS-CA04-01-06-TRI	SW6020	MAGNESIUM	3800		3.3	10	MG/KG	3800	
GS-CA04-01-06-TRI	SW6020	MANGANESE	730		0.38	0.76	MG/KG	730	
GS-CA04-01-06-TRI	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-CA04-01-06-TRI	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-CA04-01-06-TRI	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-CA04-01-06-TRI	SW6020	SILVER	1.8		0.058	0.12	MG/KG	1.8	
GS-CA04-01-06-TRI	SW6020	SODIUM	130		15	100	MG/KG	130	J+
GS-CA04-01-06-TRI	SW6020	THALLIUM	0.38		0.0099	0.01	MG/KG	0.38	
GS-CA04-01-06-TRI	SW6020	VANADIUM	37		0.13	0.5	MG/KG	37	
GS-CA04-01-06-TRI	SW6020	ZINC	380		4.1	10	MG/KG	380	
GS-CA05-00-01	SW6020	ALUMINUM	6600		6.5	15	MG/KG	6600	
GS-CA05-00-01	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-CA05-00-01	SW6020	ARSENIC	69		0.049	0.2	MG/KG	69	
GS-CA05-00-01	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-CA05-00-01	SW6020	BERYLLIUM	0.73		0.0091	0.05	MG/KG	0.73	
GS-CA05-00-01	SW6020	CADMIUM	2.2		0.038	0.2	MG/KG	2.2	
GS-CA05-00-01	SW6020	CALCIUM	15000		19	100	MG/KG	15000	
GS-CA05-00-01	SW6020	CHROMIUM	19		0.55	1	MG/KG	19	
GS-CA05-00-01	SW6020	COBALT	8.7		0.043	0.5	MG/KG	8.7	
GS-CA05-00-01	SW6020	COPPER	47		0.29	2	MG/KG	47	
GS-CA05-00-01	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-CA05-00-01	SW6020	LEAD	230		0.066	0.2	MG/KG	230	
GS-CA05-00-01	SW6020	MAGNESIUM	4800		3.3	10	MG/KG	4800	
GS-CA05-00-01	SW6020	MANGANESE	820		0.38	0.75	MG/KG	820	
GS-CA05-00-01	SW6020	NICKEL	22		0.44	2	MG/KG	22	
GS-CA05-00-01	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-CA05-00-01	SW6020	SELENIUM	2.8		0.22	1	MG/KG	2.8	
GS-CA05-00-01	SW6020	SILVER	1.8		0.057	0.11	MG/KG	1.8	
GS-CA05-00-01	SW6020	SODIUM	200		15	100	MG/KG	200	J+
GS-CA05-00-01	SW6020	THALLIUM	0.39		0.0099	0.01	MG/KG	0.39	
GS-CA05-00-01	SW6020	VANADIUM	41		0.13	0.5	MG/KG	41	
GS-CA05-00-01	SW6020	ZINC	390		4.1	10	MG/KG	390	
GS-CA05-01-06	SW6020	ALUMINUM	7000		6.5	15	MG/KG	7000	
GS-CA05-01-06	SW6020	ANTIMONY	1.2		0.031	0.1	MG/KG	1.2	
GS-CA05-01-06	SW6020	ARSENIC	67		0.049	0.2	MG/KG	67	
GS-CA05-01-06	SW6020	BARIUM	200		0.23	0.5	MG/KG	200	
GS-CA05-01-06	SW6020	BERYLLIUM	0.74		0.0091	0.05	MG/KG	0.74	
GS-CA05-01-06	SW6020	CADMIUM	2.3		0.038	0.2	MG/KG	2.3	
GS-CA05-01-06	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-CA05-01-06	SW6020	CHROMIUM	21		0.55	1	MG/KG	21	
GS-CA05-01-06	SW6020	COBALT	9.4		0.043	0.5	MG/KG	9.4	
GS-CA05-01-06	SW6020	COPPER	46		0.29	2	MG/KG	46	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA05-01-06	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-CA05-01-06	SW6020	LEAD	220		0.066	0.2	MG/KG	220	
GS-CA05-01-06	SW6020	MAGNESIUM	4200		3.3	10	MG/KG	4200	
GS-CA05-01-06	SW6020	MANGANESE	840		0.38	0.76	MG/KG	840	
GS-CA05-01-06	SW6020	NICKEL	23		0.44	2	MG/KG	23	
GS-CA05-01-06	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-CA05-01-06	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-CA05-01-06	SW6020	SILVER	1.7		0.057	0.11	MG/KG	1.7	
GS-CA05-01-06	SW6020	SODIUM	190		15	100	MG/KG	190	J+
GS-CA05-01-06	SW6020	THALLIUM	0.39		0.0099	0.01	MG/KG	0.39	
GS-CA05-01-06	SW6020	VANADIUM	40		0.13	0.5	MG/KG	40	
GS-CA05-01-06	SW6020	ZINC	410		4.1	10	MG/KG	410	
GS-CA06-00-01	SW6020	ALUMINUM	7500		6.6	15	MG/KG	7500	
GS-CA06-00-01	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-CA06-00-01	SW6020	ARSENIC	69		0.049	0.2	MG/KG	69	
GS-CA06-00-01	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-CA06-00-01	SW6020	BERYLLIUM	0.74		0.0091	0.05	MG/KG	0.74	
GS-CA06-00-01	SW6020	CADMIUM	2.1		0.038	0.2	MG/KG	2.1	
GS-CA06-00-01	SW6020	CALCIUM	11000		19	100	MG/KG	11000	
GS-CA06-00-01	SW6020	CHROMIUM	15		0.56	1	MG/KG	15	
GS-CA06-00-01	SW6020	COBALT	9.8		0.043	0.5	MG/KG	9.8	
GS-CA06-00-01	SW6020	COPPER	44		0.29	2	MG/KG	44	
GS-CA06-00-01	SW6020	IRON	32000		11	20	MG/KG	32000	
GS-CA06-00-01	SW6020	LEAD	190		0.067	0.2	MG/KG	190	
GS-CA06-00-01	SW6020	MAGNESIUM	3800		3.3	10	MG/KG	3800	
GS-CA06-00-01	SW6020	MANGANESE	870		0.38	0.76	MG/KG	870	
GS-CA06-00-01	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-CA06-00-01	SW6020	POTASSIUM	3300		15	100	MG/KG	3300	
GS-CA06-00-01	SW6020	SELENIUM	3.2		0.22	1	MG/KG	3.2	
GS-CA06-00-01	SW6020	SILVER	1.6		0.058	0.12	MG/KG	1.6	
GS-CA06-00-01	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-CA06-00-01	SW6020	THALLIUM	0.39		0.0099	0.01	MG/KG	0.39	
GS-CA06-00-01	SW6020	VANADIUM	41		0.13	0.5	MG/KG	41	
GS-CA06-00-01	SW6020	ZINC	390		4.1	10	MG/KG	390	
GS-CA06-01-06	SW6020	ALUMINUM	7700		6.6	15	MG/KG	7700	
GS-CA06-01-06	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-CA06-01-06	SW6020	ARSENIC	60		0.05	0.2	MG/KG	60	
GS-CA06-01-06	SW6020	BARIUM	190		0.23	0.51	MG/KG	190	
GS-CA06-01-06	SW6020	BERYLLIUM	0.77		0.0091	0.051	MG/KG	0.77	
GS-CA06-01-06	SW6020	CADMIUM	1.8		0.038	0.2	MG/KG	1.8	
GS-CA06-01-06	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-CA06-01-06	SW6020	CHROMIUM	17		0.56	1	MG/KG	17	
GS-CA06-01-06	SW6020	COBALT	10		0.044	0.51	MG/KG	10	
GS-CA06-01-06	SW6020	COPPER	45		0.29	2	MG/KG	45	
GS-CA06-01-06	SW6020	IRON	33000		11	20	MG/KG	33000	
GS-CA06-01-06	SW6020	LEAD	180		0.067	0.2	MG/KG	180	
GS-CA06-01-06	SW6020	MAGNESIUM	4000		3.3	10	MG/KG	4000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA06-01-06	SW6020	MANGANESE	830		0.38	0.76	MG/KG	830	
GS-CA06-01-06	SW6020	NICKEL	22		0.45	2	MG/KG	22	
GS-CA06-01-06	SW6020	POTASSIUM	3600		15	100	MG/KG	3600	
GS-CA06-01-06	SW6020	SELENIUM	3.5		0.22	1	MG/KG	3.5	
GS-CA06-01-06	SW6020	SILVER	1.4		0.058	0.12	MG/KG	1.4	
GS-CA06-01-06	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-CA06-01-06	SW6020	THALLIUM	0.37		0.0099	0.01	MG/KG	0.37	
GS-CA06-01-06	SW6020	VANADIUM	39		0.13	0.51	MG/KG	39	
GS-CA06-01-06	SW6020	ZINC	350		4.1	10	MG/KG	350	
GS-CA07-00-01	SW6020	ALUMINUM	6700		6.5	15	MG/KG	6700	
GS-CA07-00-01	SW6020	ANTIMONY	0.52		0.031	0.1	MG/KG	0.52	
GS-CA07-00-01	SW6020	ARSENIC	23		0.049	0.2	MG/KG	23	
GS-CA07-00-01	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-CA07-00-01	SW6020	BERYLLIUM	0.66		0.0091	0.05	MG/KG	0.66	
GS-CA07-00-01	SW6020	CADMIUM	0.79		0.038	0.2	MG/KG	0.79	
GS-CA07-00-01	SW6020	CALCIUM	15000		19	100	MG/KG	15000	
GS-CA07-00-01	SW6020	CHROMIUM	17		0.55	1	MG/KG	17	
GS-CA07-00-01	SW6020	COBALT	6.1		0.043	0.5	MG/KG	6.1	
GS-CA07-00-01	SW6020	COPPER	23		0.29	2	MG/KG	23	
GS-CA07-00-01	SW6020	IRON	18000		11	20	MG/KG	18000	
GS-CA07-00-01	SW6020	LEAD	74		0.066	0.2	MG/KG	74	
GS-CA07-00-01	SW6020	MAGNESIUM	5200		3.3	10	MG/KG	5200	
GS-CA07-00-01	SW6020	MANGANESE	500		0.38	0.75	MG/KG	500	
GS-CA07-00-01	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-CA07-00-01	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	
GS-CA07-00-01	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-CA07-00-01	SW6020	SILVER	0.49		0.057	0.11	MG/KG	0.49	
GS-CA07-00-01	SW6020	SODIUM	99	J	15	100	MG/KG	100	U
GS-CA07-00-01	SW6020	THALLIUM	0.22		0.0099	0.01	MG/KG	0.22	
GS-CA07-00-01	SW6020	VANADIUM	26		0.13	0.5	MG/KG	26	
GS-CA07-00-01	SW6020	ZINC	190		4.1	10	MG/KG	190	
GS-CA07-01-06	SW6020	ALUMINUM	6900		6.5	15	MG/KG	6900	
GS-CA07-01-06	SW6020	ANTIMONY	0.47		0.031	0.1	MG/KG	0.47	
GS-CA07-01-06	SW6020	ARSENIC	21		0.049	0.2	MG/KG	21	
GS-CA07-01-06	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-CA07-01-06	SW6020	BERYLLIUM	0.7		0.009	0.05	MG/KG	0.7	
GS-CA07-01-06	SW6020	CADMIUM	0.81		0.038	0.2	MG/KG	0.81	
GS-CA07-01-06	SW6020	CALCIUM	15000		18	100	MG/KG	15000	
GS-CA07-01-06	SW6020	CHROMIUM	24		0.55	1	MG/KG	24	
GS-CA07-01-06	SW6020	COBALT	6.9		0.043	0.5	MG/KG	6.9	
GS-CA07-01-06	SW6020	COPPER	25		0.29	2	MG/KG	25	
GS-CA07-01-06	SW6020	IRON	19000		11	20	MG/KG	19000	
GS-CA07-01-06	SW6020	LEAD	64		0.066	0.2	MG/KG	64	
GS-CA07-01-06	SW6020	MAGNESIUM	4900		3.3	10	MG/KG	4900	
GS-CA07-01-06	SW6020	MANGANESE	520		0.38	0.75	MG/KG	520	
GS-CA07-01-06	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-CA07-01-06	SW6020	POTASSIUM	2600		15	100	MG/KG	2600	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA07-01-06	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-CA07-01-06	SW6020	SILVER	0.47		0.057	0.11	MG/KG	0.47	
GS-CA07-01-06	SW6020	SODIUM	100		15	100	MG/KG	100	J+
GS-CA07-01-06	SW6020	THALLIUM	0.23		0.0098	0.01	MG/KG	0.23	
GS-CA07-01-06	SW6020	VANADIUM	25		0.13	0.5	MG/KG	25	
GS-CA07-01-06	SW6020	ZINC	180		4.1	10	MG/KG	180	
GS-CA08-00-01	SW6020	ALUMINUM	7400		6.6	15	MG/KG	7400	
GS-CA08-00-01	SW6020	ANTIMONY	0.91		0.031	0.1	MG/KG	0.91	
GS-CA08-00-01	SW6020	ARSENIC	44		0.049	0.2	MG/KG	44	
GS-CA08-00-01	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-CA08-00-01	SW6020	BERYLLIUM	0.77		0.0091	0.05	MG/KG	0.77	
GS-CA08-00-01	SW6020	CADMIUM	1.7		0.038	0.2	MG/KG	1.7	
GS-CA08-00-01	SW6020	CALCIUM	22000		19	100	MG/KG	22000	
GS-CA08-00-01	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-CA08-00-01	SW6020	COBALT	8.3		0.043	0.5	MG/KG	8.3	
GS-CA08-00-01	SW6020	COPPER	37		0.29	2	MG/KG	37	
GS-CA08-00-01	SW6020	IRON	26000		11	20	MG/KG	26000	
GS-CA08-00-01	SW6020	LEAD	160		0.067	0.2	MG/KG	160	
GS-CA08-00-01	SW6020	MAGNESIUM	5100		3.3	10	MG/KG	5100	
GS-CA08-00-01	SW6020	MANGANESE	760		0.38	0.76	MG/KG	760	
GS-CA08-00-01	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-CA08-00-01	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-CA08-00-01	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-CA08-00-01	SW6020	SILVER	1.2		0.058	0.12	MG/KG	1.2	
GS-CA08-00-01	SW6020	SODIUM	150		15	100	MG/KG	150	J+
GS-CA08-00-01	SW6020	THALLIUM	0.34		0.0099	0.01	MG/KG	0.34	
GS-CA08-00-01	SW6020	VANADIUM	33		0.13	0.5	MG/KG	33	
GS-CA08-00-01	SW6020	ZINC	280		4.1	10	MG/KG	280	
GS-CA08-01-06	SW6020	ALUMINUM	7700		6.6	15	MG/KG	7700	
GS-CA08-01-06	SW6020	ANTIMONY	0.81		0.031	0.1	MG/KG	0.81	
GS-CA08-01-06	SW6020	ARSENIC	42		0.05	0.2	MG/KG	42	
GS-CA08-01-06	SW6020	BARIUM	180		0.23	0.51	MG/KG	180	
GS-CA08-01-06	SW6020	BERYLLIUM	0.89		0.0091	0.051	MG/KG	0.89	
GS-CA08-01-06	SW6020	CADMIUM	1.8		0.039	0.2	MG/KG	1.8	
GS-CA08-01-06	SW6020	CALCIUM	24000		19	100	MG/KG	24000	
GS-CA08-01-06	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-CA08-01-06	SW6020	COBALT	8.7		0.044	0.51	MG/KG	8.7	
GS-CA08-01-06	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-CA08-01-06	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-CA08-01-06	SW6020	LEAD	190		0.067	0.2	MG/KG	190	
GS-CA08-01-06	SW6020	MAGNESIUM	6700		3.4	10	MG/KG	6700	
GS-CA08-01-06	SW6020	MANGANESE	830		0.39	0.76	MG/KG	830	
GS-CA08-01-06	SW6020	NICKEL	25		0.45	2	MG/KG	25	
GS-CA08-01-06	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-CA08-01-06	SW6020	SELENIUM	2.7		0.23	1	MG/KG	2.7	
GS-CA08-01-06	SW6020	SILVER	1.3		0.058	0.12	MG/KG	1.3	
GS-CA08-01-06	SW6020	SODIUM	170		15	100	MG/KG	170	J+

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA08-01-06	SW6020	THALLIUM	0.35		0.01	0.01	MG/KG	0.35	
GS-CA08-01-06	SW6020	VANADIUM	32		0.13	0.51	MG/KG	32	
GS-CA08-01-06	SW6020	ZINC	290		4.2	10	MG/KG	290	
GS-CA09-00-01	SW6020	ALUMINUM	7000		6.6	15	MG/KG	7000	
GS-CA09-00-01	SW6020	ANTIMONY	0.93		0.032	0.1	MG/KG	0.93	
GS-CA09-00-01	SW6020	ARSENIC	51		0.05	0.2	MG/KG	51	
GS-CA09-00-01	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-CA09-00-01	SW6020	BERYLLIUM	0.8		0.0092	0.051	MG/KG	0.8	
GS-CA09-00-01	SW6020	CADMIUM	1.8		0.039	0.2	MG/KG	1.8	
GS-CA09-00-01	SW6020	CALCIUM	16000		19	100	MG/KG	16000	
GS-CA09-00-01	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-CA09-00-01	SW6020	COBALT	8.8		0.044	0.51	MG/KG	8.8	
GS-CA09-00-01	SW6020	COPPER	41		0.3	2	MG/KG	41	
GS-CA09-00-01	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-CA09-00-01	SW6020	LEAD	180		0.067	0.2	MG/KG	180	
GS-CA09-00-01	SW6020	MAGNESIUM	5100		3.4	10	MG/KG	5100	
GS-CA09-00-01	SW6020	MANGANESE	810		0.39	0.76	MG/KG	810	
GS-CA09-00-01	SW6020	NICKEL	20		0.45	2	MG/KG	20	
GS-CA09-00-01	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-CA09-00-01	SW6020	SELENIUM	2.5		0.23	1	MG/KG	2.5	
GS-CA09-00-01	SW6020	SILVER	1.3		0.058	0.12	MG/KG	1.3	
GS-CA09-00-01	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-CA09-00-01	SW6020	THALLIUM	0.36		0.01	0.01	MG/KG	0.36	
GS-CA09-00-01	SW6020	VANADIUM	33		0.13	0.51	MG/KG	33	
GS-CA09-00-01	SW6020	ZINC	340		4.2	10	MG/KG	340	
GS-CA09-01-06	SW6020	ALUMINUM	7500		6.9	16	MG/KG	7500	
GS-CA09-01-06	SW6020	ANTIMONY	0.83		0.033	0.11	MG/KG	0.83	
GS-CA09-01-06	SW6020	ARSENIC	47		0.052	0.21	MG/KG	47	
GS-CA09-01-06	SW6020	BARIUM	180		0.25	0.53	MG/KG	180	
GS-CA09-01-06	SW6020	BERYLLIUM	0.81		0.0096	0.053	MG/KG	0.81	
GS-CA09-01-06	SW6020	CADMIUM	2.1		0.04	0.21	MG/KG	2.1	
GS-CA09-01-06	SW6020	CALCIUM	17000		20	110	MG/KG	17000	
GS-CA09-01-06	SW6020	CHROMIUM	11		0.59	1.1	MG/KG	11	
GS-CA09-01-06	SW6020	COBALT	12		0.046	0.53	MG/KG	12	
GS-CA09-01-06	SW6020	COPPER	38		0.31	2.1	MG/KG	38	
GS-CA09-01-06	SW6020	IRON	29000		12	21	MG/KG	29000	
GS-CA09-01-06	SW6020	LEAD	170		0.07	0.21	MG/KG	170	
GS-CA09-01-06	SW6020	MAGNESIUM	4600		3.5	11	MG/KG	4600	
GS-CA09-01-06	SW6020	MANGANESE	1000		0.4	0.8	MG/KG	1000	
GS-CA09-01-06	SW6020	NICKEL	28		0.47	2.1	MG/KG	28	
GS-CA09-01-06	SW6020	POTASSIUM	2400		16	110	MG/KG	2400	
GS-CA09-01-06	SW6020	SELENIUM	2.8		0.24	1.1	MG/KG	2.8	
GS-CA09-01-06	SW6020	SILVER	1.3		0.061	0.12	MG/KG	1.3	
GS-CA09-01-06	SW6020	SODIUM	120		16	110	MG/KG	120	J+
GS-CA09-01-06	SW6020	THALLIUM	0.35		0.01	0.011	MG/KG	0.35	
GS-CA09-01-06	SW6020	VANADIUM	31		0.14	0.53	MG/KG	31	
GS-CA09-01-06	SW6020	ZINC	320		4.4	11	MG/KG	320	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA10-00-01	SW6020	ALUMINUM	8000		6.6	15	MG/KG	8000	
GS-CA10-00-01	SW6020	ANTIMONY	0.87		0.031	0.1	MG/KG	0.87	
GS-CA10-00-01	SW6020	ARSENIC	48		0.05	0.2	MG/KG	48	
GS-CA10-00-01	SW6020	BARIUM	210		0.23	0.51	MG/KG	210	
GS-CA10-00-01	SW6020	BERYLLIUM	0.75		0.0091	0.051	MG/KG	0.75	
GS-CA10-00-01	SW6020	CADMIUM	1.8		0.038	0.2	MG/KG	1.8	
GS-CA10-00-01	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-CA10-00-01	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-CA10-00-01	SW6020	COBALT	12		0.043	0.51	MG/KG	12	
GS-CA10-00-01	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-CA10-00-01	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-CA10-00-01	SW6020	LEAD	160		0.067	0.2	MG/KG	160	
GS-CA10-00-01	SW6020	MAGNESIUM	4200		3.3	10	MG/KG	4200	
GS-CA10-00-01	SW6020	MANGANESE	870		0.38	0.76	MG/KG	870	
GS-CA10-00-01	SW6020	NICKEL	25		0.44	2	MG/KG	25	
GS-CA10-00-01	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-CA10-00-01	SW6020	SELENIUM	2.8		0.22	1	MG/KG	2.8	
GS-CA10-00-01	SW6020	SILVER	1.3		0.058	0.12	MG/KG	1.3	
GS-CA10-00-01	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-CA10-00-01	SW6020	THALLIUM	0.39		0.0099	0.01	MG/KG	0.39	
GS-CA10-00-01	SW6020	VANADIUM	33		0.13	0.51	MG/KG	33	
GS-CA10-00-01	SW6020	ZINC	300		4.1	10	MG/KG	300	
GS-CA10-01-06	SW6020	ALUMINUM	7800		6.7	15	MG/KG	7800	
GS-CA10-01-06	SW6020	ANTIMONY	0.8		0.032	0.1	MG/KG	0.8	
GS-CA10-01-06	SW6020	ARSENIC	49		0.05	0.21	MG/KG	49	
GS-CA10-01-06	SW6020	BARIUM	170		0.24	0.51	MG/KG	170	
GS-CA10-01-06	SW6020	BERYLLIUM	0.83		0.0093	0.051	MG/KG	0.83	
GS-CA10-01-06	SW6020	CADMIUM	1.8		0.039	0.21	MG/KG	1.8	
GS-CA10-01-06	SW6020	CALCIUM	18000		19	100	MG/KG	18000	
GS-CA10-01-06	SW6020	CHROMIUM	12		0.57	1	MG/KG	12	
GS-CA10-01-06	SW6020	COBALT	11		0.044	0.51	MG/KG	11	
GS-CA10-01-06	SW6020	COPPER	44		0.3	2.1	MG/KG	44	
GS-CA10-01-06	SW6020	IRON	33000		11	21	MG/KG	33000	
GS-CA10-01-06	SW6020	LEAD	210		0.068	0.21	MG/KG	210	
GS-CA10-01-06	SW6020	MAGNESIUM	5000		3.4	10	MG/KG	5000	
GS-CA10-01-06	SW6020	MANGANESE	970		0.39	0.77	MG/KG	970	
GS-CA10-01-06	SW6020	NICKEL	27		0.45	2.1	MG/KG	27	
GS-CA10-01-06	SW6020	POTASSIUM	2200		15	100	MG/KG	2200	
GS-CA10-01-06	SW6020	SELENIUM	3.1		0.23	1	MG/KG	3.1	
GS-CA10-01-06	SW6020	SILVER	1.3		0.059	0.12	MG/KG	1.3	
GS-CA10-01-06	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-CA10-01-06	SW6020	THALLIUM	0.43		0.01	0.01	MG/KG	0.43	
GS-CA10-01-06	SW6020	VANADIUM	32		0.13	0.51	MG/KG	32	
GS-CA10-01-06	SW6020	ZINC	310		4.2	10	MG/KG	310	
GS-CA11-00-01	SW6020	ALUMINUM	7300		6.7	15	MG/KG	7300	
GS-CA11-00-01	SW6020	ANTIMONY	1.1	N	0.032	0.1	MG/KG	1.1	J
GS-CA11-00-01	SW6020	ARSENIC	54		0.05	0.21	MG/KG	54	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA11-00-01	SW6020	BARIUM	190		0.24	0.51	MG/KG	190	
GS-CA11-00-01	SW6020	BERYLLIUM	0.72		0.0092	0.051	MG/KG	0.72	
GS-CA11-00-01	SW6020	CADMIUM	1.7		0.039	0.21	MG/KG	1.7	
GS-CA11-00-01	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-CA11-00-01	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-CA11-00-01	SW6020	COBALT	11		0.044	0.51	MG/KG	11	
GS-CA11-00-01	SW6020	COPPER	44		0.3	2.1	MG/KG	44	
GS-CA11-00-01	SW6020	IRON	31000		11	21	MG/KG	31000	
GS-CA11-00-01	SW6020	LEAD	200		0.068	0.21	MG/KG	200	
GS-CA11-00-01	SW6020	MAGNESIUM	4000		3.4	10	MG/KG	4000	
GS-CA11-00-01	SW6020	MANGANESE	870		0.39	0.77	MG/KG	870	
GS-CA11-00-01	SW6020	NICKEL	22		0.45	2.1	MG/KG	22	
GS-CA11-00-01	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-CA11-00-01	SW6020	SELENIUM	3.1		0.23	1	MG/KG	3.1	
GS-CA11-00-01	SW6020	SILVER	1.5		0.058	0.12	MG/KG	1.5	
GS-CA11-00-01	SW6020	SODIUM	150		15	100	MG/KG	150	J+
GS-CA11-00-01	SW6020	THALLIUM	0.38		0.01	0.01	MG/KG	0.38	
GS-CA11-00-01	SW6020	VANADIUM	35		0.13	0.51	MG/KG	35	
GS-CA11-00-01	SW6020	ZINC	310		4.2	10	MG/KG	310	
GS-CA11-01-06	SW6020	ALUMINUM	7200		6.8	16	MG/KG	7200	
GS-CA11-01-06	SW6020	ANTIMONY	1.3	N	0.032	0.1	MG/KG	1.3	J
GS-CA11-01-06	SW6020	ARSENIC	68		0.051	0.21	MG/KG	68	
GS-CA11-01-06	SW6020	BARIUM	160		0.24	0.52	MG/KG	160	
GS-CA11-01-06	SW6020	BERYLLIUM	0.76		0.0094	0.052	MG/KG	0.76	
GS-CA11-01-06	SW6020	CADMIUM	2.3		0.04	0.21	MG/KG	2.3	
GS-CA11-01-06	SW6020	CALCIUM	15000		19	100	MG/KG	15000	
GS-CA11-01-06	SW6020	CHROMIUM	11		0.57	1	MG/KG	11	
GS-CA11-01-06	SW6020	COBALT	12		0.045	0.52	MG/KG	12	
GS-CA11-01-06	SW6020	COPPER	50		0.3	2.1	MG/KG	50	
GS-CA11-01-06	SW6020	IRON	36000		11	21	MG/KG	36000	
GS-CA11-01-06	SW6020	LEAD	300		0.069	0.21	MG/KG	300	
GS-CA11-01-06	SW6020	MAGNESIUM	4000		3.4	10	MG/KG	4000	
GS-CA11-01-06	SW6020	MANGANESE	1100		0.4	0.78	MG/KG	1100	
GS-CA11-01-06	SW6020	NICKEL	28		0.46	2.1	MG/KG	28	
GS-CA11-01-06	SW6020	POTASSIUM	2300		16	100	MG/KG	2300	
GS-CA11-01-06	SW6020	SELENIUM	3.1		0.23	1	MG/KG	3.1	
GS-CA11-01-06	SW6020	SILVER	2.1	N	0.059	0.12	MG/KG	2.1	J
GS-CA11-01-06	SW6020	SODIUM	170		16	100	MG/KG	170	J+
GS-CA11-01-06	SW6020	THALLIUM	0.48		0.01	0.01	MG/KG	0.48	
GS-CA11-01-06	SW6020	VANADIUM	35	N	0.14	0.52	MG/KG	35	
GS-CA11-01-06	SW6020	ZINC	360		4.3	10	MG/KG	360	
GS-CA12-00-01	SW6020	ALUMINUM	7600		6.6	15	MG/KG	7600	
GS-CA12-00-01	SW6020	ANTIMONY	1.2		0.032	0.1	MG/KG	1.2	
GS-CA12-00-01	SW6020	ARSENIC	69		0.05	0.2	MG/KG	69	
GS-CA12-00-01	SW6020	BARIUM	160		0.23	0.51	MG/KG	160	
GS-CA12-00-01	SW6020	BERYLLIUM	0.78		0.0092	0.051	MG/KG	0.78	
GS-CA12-00-01	SW6020	CADMIUM	2.4		0.039	0.2	MG/KG	2.4	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA12-00-01	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-CA12-00-01	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-CA12-00-01	SW6020	COBALT	11		0.044	0.51	MG/KG	11	
GS-CA12-00-01	SW6020	COPPER	49		0.3	2	MG/KG	49	
GS-CA12-00-01	SW6020	IRON	31000		11	20	MG/KG	31000	
GS-CA12-00-01	SW6020	LEAD	210		0.067	0.2	MG/KG	210	
GS-CA12-00-01	SW6020	MAGNESIUM	4600		3.4	10	MG/KG	4600	
GS-CA12-00-01	SW6020	MANGANESE	980		0.39	0.76	MG/KG	980	
GS-CA12-00-01	SW6020	NICKEL	22		0.45	2	MG/KG	22	
GS-CA12-00-01	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-CA12-00-01	SW6020	SELENIUM	2.9		0.23	1	MG/KG	2.9	
GS-CA12-00-01	SW6020	SILVER	1.6		0.058	0.12	MG/KG	1.6	
GS-CA12-00-01	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-CA12-00-01	SW6020	THALLIUM	0.39		0.01	0.01	MG/KG	0.39	
GS-CA12-00-01	SW6020	VANADIUM	39		0.13	0.51	MG/KG	39	
GS-CA12-00-01	SW6020	ZINC	400		4.2	10	MG/KG	400	
GS-CA12-00-01-DUP	SW6020	ALUMINUM	7400		6.5	15	MG/KG	7400	
GS-CA12-00-01-DUP	SW6020	ANTIMONY	1.2		0.031	0.1	MG/KG	1.2	
GS-CA12-00-01-DUP	SW6020	ARSENIC	59		0.049	0.2	MG/KG	59	
GS-CA12-00-01-DUP	SW6020	BARIUM	170		0.23	0.5	MG/KG	170	
GS-CA12-00-01-DUP	SW6020	BERYLLIUM	0.78		0.009	0.05	MG/KG	0.78	
GS-CA12-00-01-DUP	SW6020	CADMIUM	1.8		0.038	0.2	MG/KG	1.8	
GS-CA12-00-01-DUP	SW6020	CALCIUM	16000		18	100	MG/KG	16000	
GS-CA12-00-01-DUP	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-CA12-00-01-DUP	SW6020	COBALT	11		0.043	0.5	MG/KG	11	
GS-CA12-00-01-DUP	SW6020	COPPER	43		0.29	2	MG/KG	43	
GS-CA12-00-01-DUP	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-CA12-00-01-DUP	SW6020	LEAD	180		0.066	0.2	MG/KG	180	
GS-CA12-00-01-DUP	SW6020	MAGNESIUM	5200		3.3	10	MG/KG	5200	
GS-CA12-00-01-DUP	SW6020	MANGANESE	860		0.38	0.75	MG/KG	860	
GS-CA12-00-01-DUP	SW6020	NICKEL	24		0.44	2	MG/KG	24	
GS-CA12-00-01-DUP	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-CA12-00-01-DUP	SW6020	SELENIUM	2.9		0.22	1	MG/KG	2.9	
GS-CA12-00-01-DUP	SW6020	SILVER	1.3		0.057	0.11	MG/KG	1.3	
GS-CA12-00-01-DUP	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-CA12-00-01-DUP	SW6020	THALLIUM	0.37		0.0098	0.01	MG/KG	0.37	
GS-CA12-00-01-DUP	SW6020	VANADIUM	38		0.13	0.5	MG/KG	38	
GS-CA12-00-01-DUP	SW6020	ZINC	330		4.1	10	MG/KG	330	
GS-CA12-00-01-TRI	SW6020	ALUMINUM	7300		6.6	15	MG/KG	7300	
GS-CA12-00-01-TRI	SW6020	ANTIMONY	1.3		0.031	0.1	MG/KG	1.3	
GS-CA12-00-01-TRI	SW6020	ARSENIC	68		0.049	0.2	MG/KG	68	
GS-CA12-00-01-TRI	SW6020	BARIUM	160		0.23	0.5	MG/KG	160	
GS-CA12-00-01-TRI	SW6020	BERYLLIUM	0.77		0.0091	0.05	MG/KG	0.77	
GS-CA12-00-01-TRI	SW6020	CADMIUM	2.3		0.038	0.2	MG/KG	2.3	
GS-CA12-00-01-TRI	SW6020	CALCIUM	13000		19	100	MG/KG	13000	
GS-CA12-00-01-TRI	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-CA12-00-01-TRI	SW6020	COBALT	10		0.043	0.5	MG/KG	10	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA12-00-01-TRI	SW6020	COPPER	48		0.29	2	MG/KG	48	
GS-CA12-00-01-TRI	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-CA12-00-01-TRI	SW6020	LEAD	190		0.067	0.2	MG/KG	190	
GS-CA12-00-01-TRI	SW6020	MAGNESIUM	4700		3.3	10	MG/KG	4700	
GS-CA12-00-01-TRI	SW6020	MANGANESE	950		0.38	0.76	MG/KG	950	
GS-CA12-00-01-TRI	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-CA12-00-01-TRI	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-CA12-00-01-TRI	SW6020	SELENIUM	2.8		0.22	1	MG/KG	2.8	
GS-CA12-00-01-TRI	SW6020	SILVER	1.5		0.058	0.12	MG/KG	1.5	
GS-CA12-00-01-TRI	SW6020	SODIUM	150		15	100	MG/KG	150	J+
GS-CA12-00-01-TRI	SW6020	THALLIUM	0.37		0.0099	0.01	MG/KG	0.37	
GS-CA12-00-01-TRI	SW6020	VANADIUM	39		0.13	0.5	MG/KG	39	
GS-CA12-00-01-TRI	SW6020	ZINC	390		4.1	10	MG/KG	390	
GS-CA12-01-06	SW6020	ALUMINUM	7700		6.7	16	MG/KG	7700	
GS-CA12-01-06	SW6020	ANTIMONY	0.9		0.032	0.1	MG/KG	0.9	
GS-CA12-01-06	SW6020	ARSENIC	53		0.051	0.21	MG/KG	53	
GS-CA12-01-06	SW6020	BARIUM	130		0.24	0.52	MG/KG	130	
GS-CA12-01-06	SW6020	BERYLLIUM	0.83		0.0093	0.052	MG/KG	0.83	
GS-CA12-01-06	SW6020	CADMIUM	1.8		0.039	0.21	MG/KG	1.8	
GS-CA12-01-06	SW6020	CALCIUM	19000		19	100	MG/KG	19000	
GS-CA12-01-06	SW6020	CHROMIUM	12		0.57	1	MG/KG	12	
GS-CA12-01-06	SW6020	COBALT	10		0.045	0.52	MG/KG	10	
GS-CA12-01-06	SW6020	COPPER	43		0.3	2.1	MG/KG	43	
GS-CA12-01-06	SW6020	IRON	29000		11	21	MG/KG	29000	
GS-CA12-01-06	SW6020	LEAD	170		0.068	0.21	MG/KG	170	
GS-CA12-01-06	SW6020	MAGNESIUM	6100		3.4	10	MG/KG	6100	
GS-CA12-01-06	SW6020	MANGANESE	840		0.39	0.78	MG/KG	840	
GS-CA12-01-06	SW6020	NICKEL	26		0.46	2.1	MG/KG	26	
GS-CA12-01-06	SW6020	POTASSIUM	2200		16	100	MG/KG	2200	
GS-CA12-01-06	SW6020	SELENIUM	2.9		0.23	1	MG/KG	2.9	
GS-CA12-01-06	SW6020	SILVER	1.9		0.059	0.12	MG/KG	1.9	
GS-CA12-01-06	SW6020	SODIUM	270		16	100	MG/KG	270	
GS-CA12-01-06	SW6020	THALLIUM	0.35		0.01	0.01	MG/KG	0.35	
GS-CA12-01-06	SW6020	VANADIUM	34		0.13	0.52	MG/KG	34	
GS-CA12-01-06	SW6020	ZINC	300		4.2	10	MG/KG	300	
GS-CA12-01-06-DUP	SW6020	ALUMINUM	7700		6.6	15	MG/KG	7700	
GS-CA12-01-06-DUP	SW6020	ANTIMONY	0.85		0.032	0.1	MG/KG	0.85	
GS-CA12-01-06-DUP	SW6020	ARSENIC	44		0.05	0.2	MG/KG	44	
GS-CA12-01-06-DUP	SW6020	BARIUM	130		0.23	0.51	MG/KG	130	
GS-CA12-01-06-DUP	SW6020	BERYLLIUM	0.84		0.0092	0.051	MG/KG	0.84	
GS-CA12-01-06-DUP	SW6020	CADMIUM	1.5		0.039	0.2	MG/KG	1.5	
GS-CA12-01-06-DUP	SW6020	CALCIUM	25000		19	100	MG/KG	25000	
GS-CA12-01-06-DUP	SW6020	CHROMIUM	12		0.56	1	MG/KG	12	
GS-CA12-01-06-DUP	SW6020	COBALT	11		0.044	0.51	MG/KG	11	
GS-CA12-01-06-DUP	SW6020	COPPER	43		0.29	2	MG/KG	43	
GS-CA12-01-06-DUP	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-CA12-01-06-DUP	SW6020	LEAD	140		0.067	0.2	MG/KG	140	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA12-01-06-DUP	SW6020	MAGNESIUM	6500		3.4	10	MG/KG	6500	
GS-CA12-01-06-DUP	SW6020	MANGANESE	830		0.39	0.76	MG/KG	830	
GS-CA12-01-06-DUP	SW6020	NICKEL	31		0.45	2	MG/KG	31	
GS-CA12-01-06-DUP	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-CA12-01-06-DUP	SW6020	SELENIUM	3.2		0.23	1	MG/KG	3.2	
GS-CA12-01-06-DUP	SW6020	SILVER	0.93		0.058	0.12	MG/KG	0.93	
GS-CA12-01-06-DUP	SW6020	SODIUM	280		15	100	MG/KG	280	
GS-CA12-01-06-DUP	SW6020	THALLIUM	0.35		0.01	0.01	MG/KG	0.35	
GS-CA12-01-06-DUP	SW6020	VANADIUM	32		0.13	0.51	MG/KG	32	
GS-CA12-01-06-DUP	SW6020	ZINC	240		4.2	10	MG/KG	240	
GS-CA12-01-06-TRI	SW6020	ALUMINUM	8200		6.5	15	MG/KG	8200	
GS-CA12-01-06-TRI	SW6020	ANTIMONY	0.93		0.031	0.1	MG/KG	0.93	
GS-CA12-01-06-TRI	SW6020	ARSENIC	57		0.049	0.2	MG/KG	57	
GS-CA12-01-06-TRI	SW6020	BARIUM	130		0.23	0.5	MG/KG	130	
GS-CA12-01-06-TRI	SW6020	BERYLLIUM	0.85		0.009	0.05	MG/KG	0.85	
GS-CA12-01-06-TRI	SW6020	CADMIUM	2.2		0.038	0.2	MG/KG	2.2	
GS-CA12-01-06-TRI	SW6020	CALCIUM	18000		19	100	MG/KG	18000	
GS-CA12-01-06-TRI	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-CA12-01-06-TRI	SW6020	COBALT	11		0.043	0.5	MG/KG	11	
GS-CA12-01-06-TRI	SW6020	COPPER	48		0.29	2	MG/KG	48	
GS-CA12-01-06-TRI	SW6020	IRON	32000		11	20	MG/KG	32000	
GS-CA12-01-06-TRI	SW6020	LEAD	190		0.066	0.2	MG/KG	190	
GS-CA12-01-06-TRI	SW6020	MAGNESIUM	5600		3.3	10	MG/KG	5600	
GS-CA12-01-06-TRI	SW6020	MANGANESE	940		0.38	0.75	MG/KG	940	
GS-CA12-01-06-TRI	SW6020	NICKEL	31		0.44	2	MG/KG	31	
GS-CA12-01-06-TRI	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-CA12-01-06-TRI	SW6020	SELENIUM	3		0.22	1	MG/KG	3	
GS-CA12-01-06-TRI	SW6020	SILVER	1.2		0.057	0.11	MG/KG	1.2	
GS-CA12-01-06-TRI	SW6020	SODIUM	250		15	100	MG/KG	250	
GS-CA12-01-06-TRI	SW6020	THALLIUM	0.38		0.0098	0.01	MG/KG	0.38	
GS-CA12-01-06-TRI	SW6020	VANADIUM	35		0.13	0.5	MG/KG	35	
GS-CA12-01-06-TRI	SW6020	ZINC	340		4.1	10	MG/KG	340	
GS-CA13-00-01	SW6020	ALUMINUM	8200		6.6	15	MG/KG	8200	
GS-CA13-00-01	SW6020	ANTIMONY	0.77		0.032	0.1	MG/KG	0.77	
GS-CA13-00-01	SW6020	ARSENIC	43		0.05	0.2	MG/KG	43	
GS-CA13-00-01	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-CA13-00-01	SW6020	BERYLLIUM	0.88		0.0092	0.051	MG/KG	0.88	
GS-CA13-00-01	SW6020	CADMIUM	1.5		0.039	0.2	MG/KG	1.5	
GS-CA13-00-01	SW6020	CALCIUM	16000		19	100	MG/KG	16000	
GS-CA13-00-01	SW6020	CHROMIUM	14		0.56	1	MG/KG	14	
GS-CA13-00-01	SW6020	COBALT	9.6		0.044	0.51	MG/KG	9.6	
GS-CA13-00-01	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-CA13-00-01	SW6020	IRON	27000		11	20	MG/KG	27000	
GS-CA13-00-01	SW6020	LEAD	130		0.067	0.2	MG/KG	130	
GS-CA13-00-01	SW6020	MAGNESIUM	5200		3.4	10	MG/KG	5200	
GS-CA13-00-01	SW6020	MANGANESE	800		0.39	0.76	MG/KG	800	
GS-CA13-00-01	SW6020	NICKEL	21		0.45	2	MG/KG	21	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA13-00-01	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-CA13-00-01	SW6020	SELENIUM	2.8		0.23	1	MG/KG	2.8	
GS-CA13-00-01	SW6020	SILVER	0.93		0.058	0.12	MG/KG	0.93	
GS-CA13-00-01	SW6020	SODIUM	140		15	100	MG/KG	140	J+
GS-CA13-00-01	SW6020	THALLIUM	0.33		0.01	0.01	MG/KG	0.33	
GS-CA13-00-01	SW6020	VANADIUM	34		0.13	0.51	MG/KG	34	
GS-CA13-00-01	SW6020	ZINC	300		4.2	10	MG/KG	300	
GS-CA13-00-01-DUP	SW6020	ALUMINUM	7100		6.6	15	MG/KG	7100	
GS-CA13-00-01-DUP	SW6020	ANTIMONY	0.75		0.032	0.1	MG/KG	0.75	
GS-CA13-00-01-DUP	SW6020	ARSENIC	42		0.05	0.2	MG/KG	42	
GS-CA13-00-01-DUP	SW6020	BARIUM	150		0.23	0.51	MG/KG	150	
GS-CA13-00-01-DUP	SW6020	BERYLLIUM	0.76		0.0092	0.051	MG/KG	0.76	
GS-CA13-00-01-DUP	SW6020	CADMIUM	1.4		0.039	0.2	MG/KG	1.4	
GS-CA13-00-01-DUP	SW6020	CALCIUM	17000		19	100	MG/KG	17000	
GS-CA13-00-01-DUP	SW6020	CHROMIUM	18		0.56	1	MG/KG	18	
GS-CA13-00-01-DUP	SW6020	COBALT	8.4		0.044	0.51	MG/KG	8.4	
GS-CA13-00-01-DUP	SW6020	COPPER	41		0.3	2	MG/KG	41	
GS-CA13-00-01-DUP	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-CA13-00-01-DUP	SW6020	LEAD	130		0.067	0.2	MG/KG	130	
GS-CA13-00-01-DUP	SW6020	MAGNESIUM	4800		3.4	10	MG/KG	4800	
GS-CA13-00-01-DUP	SW6020	MANGANESE	700		0.39	0.77	MG/KG	700	
GS-CA13-00-01-DUP	SW6020	NICKEL	20		0.45	2	MG/KG	20	
GS-CA13-00-01-DUP	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-CA13-00-01-DUP	SW6020	SELENIUM	2.5		0.23	1	MG/KG	2.5	
GS-CA13-00-01-DUP	SW6020	SILVER	0.98		0.058	0.12	MG/KG	0.98	
GS-CA13-00-01-DUP	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-CA13-00-01-DUP	SW6020	THALLIUM	0.31		0.01	0.01	MG/KG	0.31	
GS-CA13-00-01-DUP	SW6020	VANADIUM	33		0.13	0.51	MG/KG	33	
GS-CA13-00-01-DUP	SW6020	ZINC	330		4.2	10	MG/KG	330	
GS-CA13-00-01-TRI	SW6020	ALUMINUM	7400		6.6	15	MG/KG	7400	
GS-CA13-00-01-TRI	SW6020	ANTIMONY	1.2		0.031	0.1	MG/KG	1.2	
GS-CA13-00-01-TRI	SW6020	ARSENIC	70		0.049	0.2	MG/KG	70	
GS-CA13-00-01-TRI	SW6020	BARIUM	160		0.23	0.5	MG/KG	160	
GS-CA13-00-01-TRI	SW6020	BERYLLIUM	0.78		0.0091	0.05	MG/KG	0.78	
GS-CA13-00-01-TRI	SW6020	CADMIUM	2.3		0.038	0.2	MG/KG	2.3	
GS-CA13-00-01-TRI	SW6020	CALCIUM	14000		19	100	MG/KG	14000	
GS-CA13-00-01-TRI	SW6020	CHROMIUM	14		0.56	1	MG/KG	14	
GS-CA13-00-01-TRI	SW6020	COBALT	8.7		0.043	0.5	MG/KG	8.7	
GS-CA13-00-01-TRI	SW6020	COPPER	45		0.29	2	MG/KG	45	
GS-CA13-00-01-TRI	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-CA13-00-01-TRI	SW6020	LEAD	190		0.067	0.2	MG/KG	190	
GS-CA13-00-01-TRI	SW6020	MAGNESIUM	4300		3.3	10	MG/KG	4300	
GS-CA13-00-01-TRI	SW6020	MANGANESE	870		0.38	0.76	MG/KG	870	
GS-CA13-00-01-TRI	SW6020	NICKEL	20		0.44	2	MG/KG	20	
GS-CA13-00-01-TRI	SW6020	POTASSIUM	2500		15	100	MG/KG	2500	
GS-CA13-00-01-TRI	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-CA13-00-01-TRI	SW6020	SILVER	1.5		0.058	0.12	MG/KG	1.5	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA13-00-01-TRI	SW6020	SODIUM	160		15	100	MG/KG	160	J+
GS-CA13-00-01-TRI	SW6020	THALLIUM	0.36		0.0099	0.01	MG/KG	0.36	
GS-CA13-00-01-TRI	SW6020	VANADIUM	38		0.13	0.5	MG/KG	38	
GS-CA13-00-01-TRI	SW6020	ZINC	470		4.1	10	MG/KG	470	
GS-CA13-01-06	SW6020	ALUMINUM	8100		6.6	15	MG/KG	8100	
GS-CA13-01-06	SW6020	ANTIMONY	0.85		0.032	0.1	MG/KG	0.85	
GS-CA13-01-06	SW6020	ARSENIC	46		0.05	0.2	MG/KG	46	
GS-CA13-01-06	SW6020	BARIUM	200		0.23	0.51	MG/KG	200	
GS-CA13-01-06	SW6020	BERYLLIUM	0.96		0.0092	0.051	MG/KG	0.96	
GS-CA13-01-06	SW6020	CADMIUM	1.1		0.039	0.2	MG/KG	1.1	
GS-CA13-01-06	SW6020	CALCIUM	16000		19	100	MG/KG	16000	
GS-CA13-01-06	SW6020	CHROMIUM	15		0.56	1	MG/KG	15	
GS-CA13-01-06	SW6020	COBALT	8.7		0.044	0.51	MG/KG	8.7	
GS-CA13-01-06	SW6020	COPPER	31		0.3	2	MG/KG	31	
GS-CA13-01-06	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-CA13-01-06	SW6020	LEAD	110		0.067	0.2	MG/KG	110	
GS-CA13-01-06	SW6020	MAGNESIUM	4700		3.4	10	MG/KG	4700	
GS-CA13-01-06	SW6020	MANGANESE	640		0.39	0.76	MG/KG	640	
GS-CA13-01-06	SW6020	NICKEL	35		0.45	2	MG/KG	35	
GS-CA13-01-06	SW6020	POTASSIUM	2400		15	100	MG/KG	2400	
GS-CA13-01-06	SW6020	SELENIUM	2.8		0.23	1	MG/KG	2.8	
GS-CA13-01-06	SW6020	SILVER	0.76		0.058	0.12	MG/KG	0.76	
GS-CA13-01-06	SW6020	SODIUM	130		15	100	MG/KG	130	J+
GS-CA13-01-06	SW6020	THALLIUM	0.33		0.01	0.01	MG/KG	0.33	
GS-CA13-01-06	SW6020	VANADIUM	38		0.13	0.51	MG/KG	38	
GS-CA13-01-06	SW6020	ZINC	210		4.2	10	MG/KG	210	
GS-CA13-01-06-DUP	SW6020	ALUMINUM	7100		6.5	15	MG/KG	7100	
GS-CA13-01-06-DUP	SW6020	ANTIMONY	0.73		0.031	0.1	MG/KG	0.73	
GS-CA13-01-06-DUP	SW6020	ARSENIC	33		0.049	0.2	MG/KG	33	
GS-CA13-01-06-DUP	SW6020	BARIUM	160		0.23	0.5	MG/KG	160	
GS-CA13-01-06-DUP	SW6020	BERYLLIUM	0.84		0.009	0.05	MG/KG	0.84	
GS-CA13-01-06-DUP	SW6020	CADMIUM	1.2		0.038	0.2	MG/KG	1.2	
GS-CA13-01-06-DUP	SW6020	CALCIUM	24000		18	100	MG/KG	24000	
GS-CA13-01-06-DUP	SW6020	CHROMIUM	13		0.55	1	MG/KG	13	
GS-CA13-01-06-DUP	SW6020	COBALT	8.4		0.043	0.5	MG/KG	8.4	
GS-CA13-01-06-DUP	SW6020	COPPER	36		0.29	2	MG/KG	36	
GS-CA13-01-06-DUP	SW6020	IRON	24000		11	20	MG/KG	24000	
GS-CA13-01-06-DUP	SW6020	LEAD	120		0.066	0.2	MG/KG	120	
GS-CA13-01-06-DUP	SW6020	MAGNESIUM	7000		3.3	10	MG/KG	7000	
GS-CA13-01-06-DUP	SW6020	MANGANESE	680		0.38	0.75	MG/KG	680	
GS-CA13-01-06-DUP	SW6020	NICKEL	25		0.44	2	MG/KG	25	
GS-CA13-01-06-DUP	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-CA13-01-06-DUP	SW6020	SELENIUM	2.5		0.22	1	MG/KG	2.5	
GS-CA13-01-06-DUP	SW6020	SILVER	0.68		0.057	0.11	MG/KG	0.68	
GS-CA13-01-06-DUP	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-CA13-01-06-DUP	SW6020	THALLIUM	0.29		0.0098	0.01	MG/KG	0.29	
GS-CA13-01-06-DUP	SW6020	VANADIUM	29		0.13	0.5	MG/KG	29	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA13-01-06-DUP	SW6020	ZINC	300		4.1	10	MG/KG	300	
GS-CA13-01-06-TRI	SW6020	ALUMINUM	7300		6.6	15	MG/KG	7300	
GS-CA13-01-06-TRI	SW6020	ANTIMONY	0.77		0.031	0.1	MG/KG	0.77	
GS-CA13-01-06-TRI	SW6020	ARSENIC	42		0.05	0.2	MG/KG	42	
GS-CA13-01-06-TRI	SW6020	BARIUM	180		0.23	0.51	MG/KG	180	
GS-CA13-01-06-TRI	SW6020	BERYLLIUM	0.81		0.0091	0.051	MG/KG	0.81	
GS-CA13-01-06-TRI	SW6020	CADMIUM	1.5		0.039	0.2	MG/KG	1.5	
GS-CA13-01-06-TRI	SW6020	CALCIUM	19000		19	100	MG/KG	19000	
GS-CA13-01-06-TRI	SW6020	CHROMIUM	13		0.56	1	MG/KG	13	
GS-CA13-01-06-TRI	SW6020	COBALT	8.9		0.044	0.51	MG/KG	8.9	
GS-CA13-01-06-TRI	SW6020	COPPER	41		0.29	2	MG/KG	41	
GS-CA13-01-06-TRI	SW6020	IRON	25000		11	20	MG/KG	25000	
GS-CA13-01-06-TRI	SW6020	LEAD	130		0.067	0.2	MG/KG	130	
GS-CA13-01-06-TRI	SW6020	MAGNESIUM	5600		3.3	10	MG/KG	5600	
GS-CA13-01-06-TRI	SW6020	MANGANESE	730		0.39	0.76	MG/KG	730	
GS-CA13-01-06-TRI	SW6020	NICKEL	28		0.45	2	MG/KG	28	
GS-CA13-01-06-TRI	SW6020	POTASSIUM	2200		15	100	MG/KG	2200	
GS-CA13-01-06-TRI	SW6020	SELENIUM	2.6		0.23	1	MG/KG	2.6	
GS-CA13-01-06-TRI	SW6020	SILVER	0.93		0.058	0.12	MG/KG	0.93	
GS-CA13-01-06-TRI	SW6020	SODIUM	200		15	100	MG/KG	200	J+
GS-CA13-01-06-TRI	SW6020	THALLIUM	0.33		0.0099	0.01	MG/KG	0.33	
GS-CA13-01-06-TRI	SW6020	VANADIUM	32		0.13	0.51	MG/KG	32	
GS-CA13-01-06-TRI	SW6020	ZINC	410		4.2	10	MG/KG	410	
GS-CA14-00-01	SW6020	ALUMINUM	6500		6.5	15	MG/KG	6500	
GS-CA14-00-01	SW6020	ANTIMONY	0.45		0.031	0.1	MG/KG	0.45	
GS-CA14-00-01	SW6020	ARSENIC	52		0.049	0.2	MG/KG	52	
GS-CA14-00-01	SW6020	BARIUM	150		0.23	0.5	MG/KG	150	
GS-CA14-00-01	SW6020	BERYLLIUM	0.66		0.009	0.05	MG/KG	0.66	
GS-CA14-00-01	SW6020	CADMIUM	0.76		0.038	0.2	MG/KG	0.76	
GS-CA14-00-01	SW6020	CALCIUM	8000		19	100	MG/KG	8000	
GS-CA14-00-01	SW6020	CHROMIUM	22		0.55	1	MG/KG	22	
GS-CA14-00-01	SW6020	COBALT	5.2		0.043	0.5	MG/KG	5.2	
GS-CA14-00-01	SW6020	COPPER	22		0.29	2	MG/KG	22	
GS-CA14-00-01	SW6020	IRON	14000		11	20	MG/KG	14000	
GS-CA14-00-01	SW6020	LEAD	68		0.066	0.2	MG/KG	68	
GS-CA14-00-01	SW6020	MAGNESIUM	2600		3.3	10	MG/KG	2600	
GS-CA14-00-01	SW6020	MANGANESE	370		0.38	0.75	MG/KG	370	
GS-CA14-00-01	SW6020	NICKEL	11		0.44	2	MG/KG	11	J+
GS-CA14-00-01	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-CA14-00-01	SW6020	SELENIUM	2.1		0.22	1	MG/KG	2.1	
GS-CA14-00-01	SW6020	SILVER	0.35		0.057	0.11	MG/KG	0.35	
GS-CA14-00-01	SW6020	SODIUM	68	J	15	100	MG/KG	100	U
GS-CA14-00-01	SW6020	THALLIUM	0.2		0.0098	0.01	MG/KG	0.2	
GS-CA14-00-01	SW6020	VANADIUM	21		0.13	0.5	MG/KG	21	
GS-CA14-00-01	SW6020	ZINC	120		4.1	10	MG/KG	120	
GS-CA14-00-01-DUP	SW6020	ALUMINUM	7500		6.5	15	MG/KG	7500	
GS-CA14-00-01-DUP	SW6020	ANTIMONY	0.53		0.031	0.1	MG/KG	0.53	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA14-00-01-DUP	SW6020	ARSENIC	27		0.049	0.2	MG/KG	27	
GS-CA14-00-01-DUP	SW6020	BARIUM	180		0.23	0.5	MG/KG	180	
GS-CA14-00-01-DUP	SW6020	BERYLLIUM	0.81		0.0091	0.05	MG/KG	0.81	
GS-CA14-00-01-DUP	SW6020	CADMIUM	0.83		0.038	0.2	MG/KG	0.83	
GS-CA14-00-01-DUP	SW6020	CALCIUM	12000		19	100	MG/KG	12000	
GS-CA14-00-01-DUP	SW6020	CHROMIUM	14		0.55	1	MG/KG	14	
GS-CA14-00-01-DUP	SW6020	COBALT	6.7		0.043	0.5	MG/KG	6.7	
GS-CA14-00-01-DUP	SW6020	COPPER	25		0.29	2	MG/KG	25	
GS-CA14-00-01-DUP	SW6020	IRON	19000		11	20	MG/KG	19000	
GS-CA14-00-01-DUP	SW6020	LEAD	68		0.066	0.2	MG/KG	68	
GS-CA14-00-01-DUP	SW6020	MAGNESIUM	4300		3.3	10	MG/KG	4300	
GS-CA14-00-01-DUP	SW6020	MANGANESE	520		0.38	0.76	MG/KG	520	
GS-CA14-00-01-DUP	SW6020	NICKEL	15		0.44	2	MG/KG	15	
GS-CA14-00-01-DUP	SW6020	POTASSIUM	2700		15	100	MG/KG	2700	
GS-CA14-00-01-DUP	SW6020	SELENIUM	2.4		0.22	1	MG/KG	2.4	
GS-CA14-00-01-DUP	SW6020	SILVER	0.42		0.057	0.11	MG/KG	0.42	
GS-CA14-00-01-DUP	SW6020	SODIUM	99	J	15	100	MG/KG	100	U
GS-CA14-00-01-DUP	SW6020	THALLIUM	0.25		0.0099	0.01	MG/KG	0.25	
GS-CA14-00-01-DUP	SW6020	VANADIUM	25		0.13	0.5	MG/KG	25	
GS-CA14-00-01-DUP	SW6020	ZINC	160		4.1	10	MG/KG	160	
GS-CA14-00-01-TRI	SW6020	ALUMINUM	6800		6.6	15	MG/KG	6800	
GS-CA14-00-01-TRI	SW6020	ANTIMONY	0.57		0.031	0.1	MG/KG	0.57	
GS-CA14-00-01-TRI	SW6020	ARSENIC	59		0.049	0.2	MG/KG	59	
GS-CA14-00-01-TRI	SW6020	BARIUM	160		0.23	0.5	MG/KG	160	
GS-CA14-00-01-TRI	SW6020	BERYLLIUM	0.66		0.0091	0.05	MG/KG	0.66	
GS-CA14-00-01-TRI	SW6020	CADMIUM	0.83		0.038	0.2	MG/KG	0.83	
GS-CA14-00-01-TRI	SW6020	CALCIUM	8500		19	100	MG/KG	8500	
GS-CA14-00-01-TRI	SW6020	CHROMIUM	23		0.56	1	MG/KG	23	
GS-CA14-00-01-TRI	SW6020	COBALT	5.5		0.043	0.5	MG/KG	5.5	
GS-CA14-00-01-TRI	SW6020	COPPER	23		0.29	2	MG/KG	23	
GS-CA14-00-01-TRI	SW6020	IRON	15000		11	20	MG/KG	15000	
GS-CA14-00-01-TRI	SW6020	LEAD	75		0.067	0.2	MG/KG	75	
GS-CA14-00-01-TRI	SW6020	MAGNESIUM	2800		3.3	10	MG/KG	2800	
GS-CA14-00-01-TRI	SW6020	MANGANESE	400		0.38	0.76	MG/KG	400	
GS-CA14-00-01-TRI	SW6020	NICKEL	11		0.44	2	MG/KG	11	J+
GS-CA14-00-01-TRI	SW6020	POTASSIUM	2300		15	100	MG/KG	2300	
GS-CA14-00-01-TRI	SW6020	SELENIUM	2		0.22	1	MG/KG	2	
GS-CA14-00-01-TRI	SW6020	SILVER	0.39		0.058	0.12	MG/KG	0.39	
GS-CA14-00-01-TRI	SW6020	SODIUM	71	J	15	100	MG/KG	100	U
GS-CA14-00-01-TRI	SW6020	THALLIUM	0.2		0.0099	0.01	MG/KG	0.2	
GS-CA14-00-01-TRI	SW6020	VANADIUM	23		0.13	0.5	MG/KG	23	
GS-CA14-00-01-TRI	SW6020	ZINC	140		4.1	10	MG/KG	140	
GS-CA14-00-06	SW7471	MERCURY	0.66		0.0043	0.034	MG/KG	0.66	
GS-CA14-01-06	SW6020	ALUMINUM	6600		6.8	16	MG/KG	6600	
GS-CA14-01-06	SW6020	ANTIMONY	0.33		0.032	0.1	MG/KG	0.33	
GS-CA14-01-06	SW6020	ARSENIC	18		0.051	0.21	MG/KG	18	
GS-CA14-01-06	SW6020	BARIUM	140		0.24	0.52	MG/KG	140	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA14-01-06	SW6020	BERYLLIUM	0.59		0.0094	0.052	MG/KG	0.59	
GS-CA14-01-06	SW6020	CADMIUM	0.64		0.04	0.21	MG/KG	0.64	
GS-CA14-01-06	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-CA14-01-06	SW6020	CHROMIUM	9.7		0.58	1	MG/KG	9.7	
GS-CA14-01-06	SW6020	COBALT	6.8		0.045	0.52	MG/KG	6.8	
GS-CA14-01-06	SW6020	COPPER	21		0.3	2.1	MG/KG	21	
GS-CA14-01-06	SW6020	IRON	17000		12	21	MG/KG	17000	
GS-CA14-01-06	SW6020	LEAD	58		0.069	0.21	MG/KG	58	
GS-CA14-01-06	SW6020	MAGNESIUM	3400		3.5	10	MG/KG	3400	
GS-CA14-01-06	SW6020	MANGANESE	440		0.4	0.78	MG/KG	440	
GS-CA14-01-06	SW6020	NICKEL	14		0.46	2.1	MG/KG	14	
GS-CA14-01-06	SW6020	POTASSIUM	2100		16	100	MG/KG	2100	
GS-CA14-01-06	SW6020	SELENIUM	1.9		0.23	1	MG/KG	1.9	
GS-CA14-01-06	SW6020	SILVER	0.25		0.06	0.12	MG/KG	0.25	
GS-CA14-01-06	SW6020	SODIUM	110		16	100	MG/KG	110	J+
GS-CA14-01-06	SW6020	THALLIUM	0.21		0.01	0.01	MG/KG	0.21	
GS-CA14-01-06	SW6020	VANADIUM	22		0.14	0.52	MG/KG	22	
GS-CA14-01-06	SW6020	ZINC	120		4.3	10	MG/KG	120	
GS-CA14-01-06-DUP	SW6020	ALUMINUM	7900		6.5	15	MG/KG	7900	
GS-CA14-01-06-DUP	SW6020	ANTIMONY	0.53		0.031	0.099	MG/KG	0.53	
GS-CA14-01-06-DUP	SW6020	ARSENIC	25		0.049	0.2	MG/KG	25	
GS-CA14-01-06-DUP	SW6020	BARIUM	190		0.23	0.5	MG/KG	190	
GS-CA14-01-06-DUP	SW6020	BERYLLIUM	0.91		0.0089	0.05	MG/KG	0.91	
GS-CA14-01-06-DUP	SW6020	CADMIUM	0.94		0.038	0.2	MG/KG	0.94	
GS-CA14-01-06-DUP	SW6020	CALCIUM	16000		18	99	MG/KG	16000	
GS-CA14-01-06-DUP	SW6020	CHROMIUM	13		0.55	0.99	MG/KG	13	
GS-CA14-01-06-DUP	SW6020	COBALT	8		0.043	0.5	MG/KG	8	
GS-CA14-01-06-DUP	SW6020	COPPER	31		0.29	2	MG/KG	31	
GS-CA14-01-06-DUP	SW6020	IRON	22000		11	20	MG/KG	22000	
GS-CA14-01-06-DUP	SW6020	LEAD	83		0.066	0.2	MG/KG	83	
GS-CA14-01-06-DUP	SW6020	MAGNESIUM	5600		3.3	9.9	MG/KG	5600	
GS-CA14-01-06-DUP	SW6020	MANGANESE	630		0.38	0.75	MG/KG	630	
GS-CA14-01-06-DUP	SW6020	NICKEL	22		0.44	2	MG/KG	22	
GS-CA14-01-06-DUP	SW6020	POTASSIUM	2100		15	99	MG/KG	2100	
GS-CA14-01-06-DUP	SW6020	SELENIUM	2.6		0.22	0.99	MG/KG	2.6	
GS-CA14-01-06-DUP	SW6020	SILVER	0.47		0.057	0.11	MG/KG	0.47	
GS-CA14-01-06-DUP	SW6020	SODIUM	110		15	99	MG/KG	110	J+
GS-CA14-01-06-DUP	SW6020	THALLIUM	0.28		0.0097	0.0099	MG/KG	0.28	
GS-CA14-01-06-DUP	SW6020	VANADIUM	27		0.13	0.5	MG/KG	27	
GS-CA14-01-06-DUP	SW6020	ZINC	170		4.1	9.9	MG/KG	170	
GS-CA14-01-06-TRI	SW6020	ALUMINUM	7900		6.6	15	MG/KG	7900	
GS-CA14-01-06-TRI	SW6020	ANTIMONY	0.5		0.031	0.1	MG/KG	0.5	
GS-CA14-01-06-TRI	SW6020	ARSENIC	27		0.05	0.2	MG/KG	27	
GS-CA14-01-06-TRI	SW6020	BARIUM	190		0.23	0.51	MG/KG	190	
GS-CA14-01-06-TRI	SW6020	BERYLLIUM	0.93		0.0091	0.051	MG/KG	0.93	
GS-CA14-01-06-TRI	SW6020	CADMIUM	0.91		0.038	0.2	MG/KG	0.91	
GS-CA14-01-06-TRI	SW6020	CALCIUM	15000		19	100	MG/KG	15000	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-CA14-01-06-TRI	SW6020	CHROMIUM	14		0.56	1	MG/KG	14	
GS-CA14-01-06-TRI	SW6020	COBALT	7.6		0.044	0.51	MG/KG	7.6	
GS-CA14-01-06-TRI	SW6020	COPPER	26		0.29	2	MG/KG	26	
GS-CA14-01-06-TRI	SW6020	IRON	20000		11	20	MG/KG	20000	
GS-CA14-01-06-TRI	SW6020	LEAD	72		0.067	0.2	MG/KG	72	
GS-CA14-01-06-TRI	SW6020	MAGNESIUM	5500		3.3	10	MG/KG	5500	
GS-CA14-01-06-TRI	SW6020	MANGANESE	600		0.38	0.76	MG/KG	600	
GS-CA14-01-06-TRI	SW6020	NICKEL	18		0.45	2	MG/KG	18	
GS-CA14-01-06-TRI	SW6020	POTASSIUM	2100		15	100	MG/KG	2100	
GS-CA14-01-06-TRI	SW6020	SELENIUM	2.6		0.22	1	MG/KG	2.6	
GS-CA14-01-06-TRI	SW6020	SILVER	0.42		0.058	0.12	MG/KG	0.42	
GS-CA14-01-06-TRI	SW6020	SODIUM	100		15	100	MG/KG	100	J+
GS-CA14-01-06-TRI	SW6020	THALLIUM	0.27		0.0099	0.01	MG/KG	0.27	
GS-CA14-01-06-TRI	SW6020	VANADIUM	26		0.13	0.51	MG/KG	26	
GS-CA14-01-06-TRI	SW6020	ZINC	160		4.2	10	MG/KG	160	
GS-FB01	SW6020	ALUMINUM	0.029	U	0.029	0.1	MG/L	0.1	U
GS-FB01	SW6020	ANTIMONY	0.00016	U	0.00016	0.001	MG/L	0.001	U
GS-FB01	SW6020	ARSENIC	0.00022	U	0.00022	0.002	MG/L	0.002	U
GS-FB01	SW6020	BARIUM	0.0019	U	0.0019	0.005	MG/L	0.005	U
GS-FB01	SW6020	BERYLLIUM	0.000046	U	0.000046	0.0005	MG/L	0.0005	U
GS-FB01	SW6020	CADMIUM	0.00036	U	0.00036	0.002	MG/L	0.002	U
GS-FB01	SW6020	CALCIUM	0.14	J	0.12	1	MG/L	0.14	J
GS-FB01	SW6020	CHROMIUM	0.00092	U	0.00092	0.01	MG/L	0.01	U
GS-FB01	SW6020	COBALT	0.00029	U	0.00029	0.005	MG/L	0.005	U
GS-FB01	SW6020	COPPER	0.0019	U	0.0019	0.02	MG/L	0.02	UJ
GS-FB01	SW6020	IRON	0.022	U	0.022	0.1	MG/L	0.1	U
GS-FB01	SW6020	LEAD	0.00027	U	0.00027	0.002	MG/L	0.002	U
GS-FB01	SW6020	MAGNESIUM	0.025	U	0.025	0.1	MG/L	0.1	U
GS-FB01	SW6020	MANGANESE	0.00056	J	0.00036	0.01	MG/L	0.00056	J
GS-FB01	SW7470	MERCURY	0.00006	U	0.00006	0.0002	MG/L	0.0002	U
GS-FB01	SW6020	NICKEL	0.0045	U	0.0045	0.02	MG/L	0.02	U
GS-FB01	SW6020	POTASSIUM	0.098	U	0.098	1	MG/L	1	U
GS-FB01	SW6020	SELENIUM	0.0027	U	0.0027	0.01	MG/L	0.01	U
GS-FB01	SW6020	SILVER	0.000066	U	0.000066	0.0005	MG/L	0.0005	U
GS-FB01	SW6020	SODIUM	0.21	J	0.061	1	MG/L	0.21	J
GS-FB01	SW6020	THALLIUM	0.000017	U	0.000017	0.00015	MG/L	0.00015	UJ
GS-FB01	SW6020	VANADIUM	0.00075	U	0.00075	0.005	MG/L	0.005	U
GS-FB01	SW6020	ZINC	0.017	U	0.017	0.1	MG/L	0.1	U
GS-HOUSE-00-01	SW6020	ALUMINUM	8100		6.5	15	MG/KG	8100	
GS-HOUSE-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-HOUSE-00-01	SW6020	ARSENIC	49		0.049	0.2	MG/KG	49	
GS-HOUSE-00-01	SW6020	BARIUM	210		0.23	0.5	MG/KG	210	
GS-HOUSE-00-01	SW6020	BERYLLIUM	0.84		0.009	0.05	MG/KG	0.84	
GS-HOUSE-00-01	SW6020	CADMIUM	2.2		0.038	0.2	MG/KG	2.2	
GS-HOUSE-00-01	SW6020	CALCIUM	9100		19	100	MG/KG	9100	
GS-HOUSE-00-01	SW6020	CHROMIUM	21		0.55	1	MG/KG	21	
GS-HOUSE-00-01	SW6020	COBALT	7.7		0.043	0.5	MG/KG	7.7	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-HOUSE-00-01	SW6020	COPPER	40		0.29	2	MG/KG	40	
GS-HOUSE-00-01	SW6020	IRON	26000		11	20	MG/KG	26000	
GS-HOUSE-00-01	SW6020	LEAD	210		0.066	0.2	MG/KG	210	
GS-HOUSE-00-01	SW6020	MAGNESIUM	2800		3.3	10	MG/KG	2800	
GS-HOUSE-00-01	SW6020	MANGANESE	850		0.38	0.75	MG/KG	850	
GS-HOUSE-00-01	SW6020	NICKEL	18		0.44	2	MG/KG	18	
GS-HOUSE-00-01	SW6020	POTASSIUM	4600		15	100	MG/KG	4600	
GS-HOUSE-00-01	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-HOUSE-00-01	SW6020	SILVER	1.3		0.057	0.11	MG/KG	1.3	
GS-HOUSE-00-01	SW6020	SODIUM	170		15	100	MG/KG	170	J+
GS-HOUSE-00-01	SW6020	THALLIUM	0.34		0.0098	0.01	MG/KG	0.34	
GS-HOUSE-00-01	SW6020	VANADIUM	37		0.13	0.5	MG/KG	37	
GS-HOUSE-00-01	SW6020	ZINC	410		4.1	10	MG/KG	410	
GS-HOUSE-00-06	SW7471	MERCURY	0.12		0.0042	0.033	MG/KG	0.12	J-
GS-HOUSE-00-06-DUP	SW7471	MERCURY	0.081		0.0042	0.034	MG/KG	0.081	J-
GS-HOUSE-01-06	SW6020	ALUMINUM	8600		6.5	15	MG/KG	8600	
GS-HOUSE-01-06	SW6020	ANTIMONY	1.2		0.031	0.1	MG/KG	1.2	
GS-HOUSE-01-06	SW6020	ARSENIC	52		0.049	0.2	MG/KG	52	
GS-HOUSE-01-06	SW6020	BARIUM	210		0.23	0.5	MG/KG	210	
GS-HOUSE-01-06	SW6020	BERYLLIUM	0.87		0.0091	0.05	MG/KG	0.87	
GS-HOUSE-01-06	SW6020	CADMIUM	2.2		0.038	0.2	MG/KG	2.2	
GS-HOUSE-01-06	SW6020	CALCIUM	8200		19	100	MG/KG	8200	
GS-HOUSE-01-06	SW6020	CHROMIUM	26		0.55	1	MG/KG	26	
GS-HOUSE-01-06	SW6020	COBALT	8		0.043	0.5	MG/KG	8	
GS-HOUSE-01-06	SW6020	COPPER	40		0.29	2	MG/KG	40	
GS-HOUSE-01-06	SW6020	IRON	28000		11	20	MG/KG	28000	
GS-HOUSE-01-06	SW6020	LEAD	210		0.066	0.2	MG/KG	210	
GS-HOUSE-01-06	SW6020	MAGNESIUM	2800		3.3	10	MG/KG	2800	
GS-HOUSE-01-06	SW6020	MANGANESE	890		0.38	0.76	MG/KG	890	
GS-HOUSE-01-06	SW6020	NICKEL	21		0.44	2	MG/KG	21	
GS-HOUSE-01-06	SW6020	POTASSIUM	4400		15	100	MG/KG	4400	
GS-HOUSE-01-06	SW6020	SELENIUM	2.7		0.22	1	MG/KG	2.7	
GS-HOUSE-01-06	SW6020	SILVER	1.2		0.057	0.11	MG/KG	1.2	
GS-HOUSE-01-06	SW6020	SODIUM	180		15	100	MG/KG	180	J+
GS-HOUSE-01-06	SW6020	THALLIUM	0.34		0.0099	0.01	MG/KG	0.34	
GS-HOUSE-01-06	SW6020	VANADIUM	39		0.13	0.5	MG/KG	39	
GS-HOUSE-01-06	SW6020	ZINC	420		4.1	10	MG/KG	420	
GS-RB01	SW6020	ALUMINUM	0.029	U	0.029	0.1	MG/L	0.1	U
GS-RB01	SW6020	ANTIMONY	0.00016	U	0.00016	0.001	MG/L	0.001	U
GS-RB01	SW6020	ARSENIC	0.00022	U	0.00022	0.002	MG/L	0.002	U
GS-RB01	SW6020	BARIUM	0.0019	U	0.0019	0.005	MG/L	0.005	U
GS-RB01	SW6020	BERYLLIUM	0.000046	U	0.000046	0.0005	MG/L	0.0005	U
GS-RB01	SW6020	CADMIUM	0.00036	U	0.00036	0.002	MG/L	0.002	U
GS-RB01	SW6020	CALCIUM	0.12	U	0.12	1	MG/L	1	U
GS-RB01	SW6020	CHROMIUM	0.0038	J	0.00092	0.01	MG/L	0.0038	J
GS-RB01	SW6020	COBALT	0.00029	U	0.00029	0.005	MG/L	0.005	U
GS-RB01	SW6020	COPPER	0.0019	U	0.0019	0.02	MG/L	0.02	UJ

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-RB01	SW6020	IRON	0.073	J	0.022	0.1	MG/L	0.073	J
GS-RB01	SW6020	LEAD	0.00043	J	0.00027	0.002	MG/L	0.00043	J
GS-RB01	SW6020	MAGNESIUM	0.025	U	0.025	0.1	MG/L	0.1	U
GS-RB01	SW6020	MANGANESE	0.004	J	0.00036	0.01	MG/L	0.004	J
GS-RB01	SW7470	MERCURY	0.00006	U	0.00006	0.0002	MG/L	0.0002	U
GS-RB01	SW6020	NICKEL	0.0065	J	0.0045	0.02	MG/L	0.0065	J
GS-RB01	SW6020	POTASSIUM	0.098	U	0.098	1	MG/L	1	U
GS-RB01	SW6020	SELENIUM	0.0027	U	0.0027	0.01	MG/L	0.01	U
GS-RB01	SW6020	SILVER	0.000066	U	0.000066	0.0005	MG/L	0.0005	U
GS-RB01	SW6020	SODIUM	0.14	J	0.061	1	MG/L	0.14	J
GS-RB01	SW6020	THALLIUM	0.000017	U	0.000017	0.00015	MG/L	0.00015	UJ
GS-RB01	SW6020	VANADIUM	0.00075	U	0.00075	0.005	MG/L	0.005	U
GS-RB01	SW6020	ZINC	0.017	U	0.017	0.1	MG/L	0.1	U
GS-RB02	SW6020	ALUMINUM	0.029	U	0.029	0.1	MG/L	0.1	U
GS-RB02	SW6020	ANTIMONY	0.00016	U	0.00016	0.001	MG/L	0.001	U
GS-RB02	SW6020	ARSENIC	0.00022	U	0.00022	0.002	MG/L	0.002	U
GS-RB02	SW6020	BARIUM	0.0019	U	0.0019	0.005	MG/L	0.005	U
GS-RB02	SW6020	BERYLLIUM	0.000046	U	0.000046	0.0005	MG/L	0.0005	U
GS-RB02	SW6020	CADMIUM	0.00036	U	0.00036	0.002	MG/L	0.002	U
GS-RB02	SW6020	CALCIUM	0.27	J	0.12	1	MG/L	0.27	J
GS-RB02	SW6020	CHROMIUM	0.00092	U	0.00092	0.01	MG/L	0.01	U
GS-RB02	SW6020	COBALT	0.00029	U	0.00029	0.005	MG/L	0.005	U
GS-RB02	SW6020	COPPER	0.0019	U	0.0019	0.02	MG/L	0.02	UJ
GS-RB02	SW6020	IRON	0.2		0.022	0.1	MG/L	0.2	
GS-RB02	SW6020	LEAD	0.00027	U	0.00027	0.002	MG/L	0.002	U
GS-RB02	SW6020	MAGNESIUM	0.025	U	0.025	0.1	MG/L	0.1	U
GS-RB02	SW6020	MANGANESE	0.003	J	0.00036	0.01	MG/L	0.003	J
GS-RB02	SW7470	MERCURY	0.00006	U	0.00006	0.0002	MG/L	0.0002	U
GS-RB02	SW6020	NICKEL	0.0098	J	0.0045	0.02	MG/L	0.0098	J
GS-RB02	SW6020	POTASSIUM	0.098	U	0.098	1	MG/L	1	U
GS-RB02	SW6020	SELENIUM	0.0027	U	0.0027	0.01	MG/L	0.01	U
GS-RB02	SW6020	SILVER	0.000066	U	0.000066	0.0005	MG/L	0.0005	U
GS-RB02	SW6020	SODIUM	0.061	U	0.061	1	MG/L	1	U
GS-RB02	SW6020	THALLIUM	0.000017	U	0.000017	0.00015	MG/L	0.00015	UJ
GS-RB02	SW6020	VANADIUM	0.00075	U	0.00075	0.005	MG/L	0.005	U
GS-RB02	SW6020	ZINC	0.017	U	0.017	0.1	MG/L	0.1	U
GS-RB03	SW6020	ALUMINUM	0.029	U	0.029	0.1	MG/L	0.1	U
GS-RB03	SW6020	ANTIMONY	0.00016	U	0.00016	0.001	MG/L	0.001	U
GS-RB03	SW6020	ARSENIC	0.00022	U	0.00022	0.002	MG/L	0.002	U
GS-RB03	SW6020	BARIUM	0.0019	U	0.0019	0.005	MG/L	0.005	U
GS-RB03	SW6020	BERYLLIUM	0.000046	U	0.000046	0.0005	MG/L	0.0005	U
GS-RB03	SW6020	CADMIUM	0.00036	U	0.00036	0.002	MG/L	0.002	U
GS-RB03	SW6020	CALCIUM	0.12	U	0.12	1	MG/L	1	U
GS-RB03	SW6020	CHROMIUM	0.001	J	0.00092	0.01	MG/L	0.001	J
GS-RB03	SW6020	COBALT	0.00029	U	0.00029	0.005	MG/L	0.005	U
GS-RB03	SW6020	COPPER	0.0019	U	0.0019	0.02	MG/L	0.02	UJ
GS-RB03	SW6020	IRON	0.2		0.022	0.1	MG/L	0.2	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-RB03	SW6020	LEAD	0.00027	U	0.00027	0.002	MG/L	0.002	U
GS-RB03	SW6020	MAGNESIUM	0.025	U	0.025	0.1	MG/L	0.1	U
GS-RB03	SW6020	MANGANESE	0.0025	J	0.00036	0.01	MG/L	0.0025	J
GS-RB03	SW7470	MERCURY	0.00006	U	0.00006	0.0002	MG/L	0.0002	U
GS-RB03	SW6020	NICKEL	0.011	J	0.0045	0.02	MG/L	0.011	J
GS-RB03	SW6020	POTASSIUM	0.098	U	0.098	1	MG/L	1	U
GS-RB03	SW6020	SELENIUM	0.0027	U	0.0027	0.01	MG/L	0.01	U
GS-RB03	SW6020	SILVER	0.000066	U	0.000066	0.0005	MG/L	0.0005	U
GS-RB03	SW6020	SODIUM	0.061	U	0.061	1	MG/L	1	U
GS-RB03	SW6020	THALLIUM	0.000017	U	0.000017	0.00015	MG/L	0.00015	UJ
GS-RB03	SW6020	VANADIUM	0.00075	U	0.00075	0.005	MG/L	0.005	U
GS-RB03	SW6020	ZINC	0.017	U	0.017	0.1	MG/L	0.1	U
GS-RB04	SW6020	ALUMINUM	0.029	U	0.029	0.1	MG/L	0.1	U
GS-RB04	SW6020	ANTIMONY	0.00016	U	0.00016	0.001	MG/L	0.001	U
GS-RB04	SW6020	ARSENIC	0.00022	U	0.00022	0.002	MG/L	0.002	U
GS-RB04	SW6020	BARIUM	0.0019	U	0.0019	0.005	MG/L	0.005	U
GS-RB04	SW6020	BERYLLIUM	0.000046	U	0.000046	0.0005	MG/L	0.0005	U
GS-RB04	SW6020	CADMIUM	0.00036	U	0.00036	0.002	MG/L	0.002	U
GS-RB04	SW6020	CALCIUM	0.12	U	0.12	1	MG/L	1	U
GS-RB04	SW6020	CHROMIUM	0.00092	U	0.00092	0.01	MG/L	0.01	U
GS-RB04	SW6020	COBALT	0.00029	U	0.00029	0.005	MG/L	0.005	U
GS-RB04	SW6020	COPPER	0.0019	U	0.0019	0.02	MG/L	0.02	UJ
GS-RB04	SW6020	IRON	0.098	J	0.022	0.1	MG/L	0.098	J
GS-RB04	SW6020	LEAD	0.00027	U	0.00027	0.002	MG/L	0.002	U
GS-RB04	SW6020	MAGNESIUM	0.025	U	0.025	0.1	MG/L	0.1	U
GS-RB04	SW6020	MANGANESE	0.0013	J	0.00036	0.01	MG/L	0.0013	J
GS-RB04	SW7470	MERCURY	0.00006	U	0.00006	0.0002	MG/L	0.0002	U
GS-RB04	SW6020	NICKEL	0.012	J	0.0045	0.02	MG/L	0.012	J
GS-RB04	SW6020	POTASSIUM	0.098	U	0.098	1	MG/L	1	U
GS-RB04	SW6020	SELENIUM	0.0027	U	0.0027	0.01	MG/L	0.01	U
GS-RB04	SW6020	SILVER	0.000066	U	0.000066	0.0005	MG/L	0.0005	U
GS-RB04	SW6020	SODIUM	0.061	U	0.061	1	MG/L	1	U
GS-RB04	SW6020	THALLIUM	0.000017	U	0.000017	0.00015	MG/L	0.00015	UJ
GS-RB04	SW6020	VANADIUM	0.00075	U	0.00075	0.005	MG/L	0.005	U
GS-RB04	SW6020	ZINC	0.017	U	0.017	0.1	MG/L	0.1	U
GS-VACANT-00-01	SW6020	ALUMINUM	8600		6.6	15	MG/KG	8600	
GS-VACANT-00-01	SW6020	ANTIMONY	1.1		0.031	0.1	MG/KG	1.1	
GS-VACANT-00-01	SW6020	ARSENIC	60		0.049	0.2	MG/KG	60	
GS-VACANT-00-01	SW6020	BARIUM	210		0.23	0.5	MG/KG	210	
GS-VACANT-00-01	SW6020	BERYLLIUM	0.98		0.0091	0.05	MG/KG	0.98	
GS-VACANT-00-01	SW6020	CADMIUM	2.3		0.038	0.2	MG/KG	2.3	
GS-VACANT-00-01	SW6020	CALCIUM	10000		19	100	MG/KG	10000	
GS-VACANT-00-01	SW6020	CHROMIUM	33		0.56	1	MG/KG	33	
GS-VACANT-00-01	SW6020	COBALT	8.6		0.043	0.5	MG/KG	8.6	
GS-VACANT-00-01	SW6020	COPPER	40		0.29	2	MG/KG	40	
GS-VACANT-00-01	SW6020	IRON	30000		11	20	MG/KG	30000	
GS-VACANT-00-01	SW6020	LEAD	210		0.067	0.2	MG/KG	210	

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-VACANT-00-01	SW6020	MAGNESIUM	3700		3.3	10	MG/KG	3700	
GS-VACANT-00-01	SW6020	MANGANESE	870		0.38	0.76	MG/KG	870	
GS-VACANT-00-01	SW6020	NICKEL	29		0.44	2	MG/KG	29	
GS-VACANT-00-01	SW6020	POTASSIUM	3000		15	100	MG/KG	3000	
GS-VACANT-00-01	SW6020	SELENIUM	3.2		0.22	1	MG/KG	3.2	
GS-VACANT-00-01	SW6020	SILVER	1.6		0.058	0.12	MG/KG	1.6	
GS-VACANT-00-01	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-VACANT-00-01	SW6020	THALLIUM	0.45		0.0099	0.01	MG/KG	0.45	
GS-VACANT-00-01	SW6020	VANADIUM	35		0.13	0.5	MG/KG	35	
GS-VACANT-00-01	SW6020	ZINC	390		4.1	10	MG/KG	390	
GS-VACANT-00-06	SW7471	MERCURY	0.22		0.0043	0.035	MG/KG	0.22	
GS-VACANT-00-06-DUP	SW7471	MERCURY	0.27		0.0044	0.035	MG/KG	0.27	
GS-VACANT-01-06	SW6020	ALUMINUM	8400		6.5	15	MG/KG	8400	
GS-VACANT-01-06	SW6020	ANTIMONY	1		0.031	0.1	MG/KG	1	
GS-VACANT-01-06	SW6020	ARSENIC	58		0.049	0.2	MG/KG	58	
GS-VACANT-01-06	SW6020	BARIUM	210		0.23	0.5	MG/KG	210	
GS-VACANT-01-06	SW6020	BERYLLIUM	0.97		0.0091	0.05	MG/KG	0.97	
GS-VACANT-01-06	SW6020	CADMIUM	2.3		0.038	0.2	MG/KG	2.3	
GS-VACANT-01-06	SW6020	CALCIUM	9900		19	100	MG/KG	9900	
GS-VACANT-01-06	SW6020	CHROMIUM	35		0.55	1	MG/KG	35	
GS-VACANT-01-06	SW6020	COBALT	8.6		0.043	0.5	MG/KG	8.6	
GS-VACANT-01-06	SW6020	COPPER	40		0.29	2	MG/KG	40	
GS-VACANT-01-06	SW6020	IRON	29000		11	20	MG/KG	29000	
GS-VACANT-01-06	SW6020	LEAD	210		0.066	0.2	MG/KG	210	
GS-VACANT-01-06	SW6020	MAGNESIUM	3600		3.3	10	MG/KG	3600	
GS-VACANT-01-06	SW6020	MANGANESE	870		0.38	0.75	MG/KG	870	
GS-VACANT-01-06	SW6020	NICKEL	30		0.44	2	MG/KG	30	
GS-VACANT-01-06	SW6020	POTASSIUM	2900		15	100	MG/KG	2900	
GS-VACANT-01-06	SW6020	SELENIUM	3.2		0.22	1	MG/KG	3.2	
GS-VACANT-01-06	SW6020	SILVER	1.5		0.057	0.11	MG/KG	1.5	
GS-VACANT-01-06	SW6020	SODIUM	120		15	100	MG/KG	120	J+
GS-VACANT-01-06	SW6020	THALLIUM	0.44		0.0099	0.01	MG/KG	0.44	
GS-VACANT-01-06	SW6020	VANADIUM	35		0.13	0.5	MG/KG	35	
GS-VACANT-01-06	SW6020	ZINC	380		4.1	10	MG/KG	380	

TETRA TECH

August 31, 2022

Joyce Ackerman
EPA On-Scene Coordinator
U.S. Environmental Protection Agency, Region 8
1595 Wynkoop Street
Denver, Colorado, 80202

Subject: **Data Validation Report**
Garner Street Soils Site RS
EPA Contract No.: 68HE0820D0001
Task Order No. 68HE0820F0071
Technical Direction (TD) No.: 2071-2201-01
Document Tracking No. 0610a

Dear Ms. Ackerman,

Tetra Tech, Inc. (Tetra Tech) is submitting this data validation report for sixteen soil samples collected at the Garner Street Soils Site RS. The samples were collected on May 16, 17, 18, 19, 2022 and July 22, 2022, and were analyzed for tocixity characteristic leachate procedure metals and mercury by SGS Dayton, NJ and for lead by ALS Environmental. The final laboratory data package was received on August 9, 2022.

Analytical data were evaluated in general accordance with the Tetra Tech *Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment Task Orders, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (May 2021), and the EPA *National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review* (November 2020).

One merury result was rejected due to temperature exceedance. The remaining results may be used as reported by the laboratory.

If you have any questions regarding this data validation report, please call me at (484) 459-1371.

Sincerely,

Aaron Smith
Environmental Chemist

Enclosures
cc: Didi Fung, Tetra Tech Program Manager
Brian Croft, Tetra Tech Project Manager
Clayton Longest, Tetra Tech Project Document Control Coordinator
TO/TD File

Tetra Tech, Inc.
1560 Broadway, Suite 1400, Denver, CO 80202
Tel 303.312.8800
www.tetratech.com

ATTACHMENT 1

DATA VALIDATION REPORT
SGS DAYTON, NJ REPORT NO. JD48925

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 8 START CONTRACT

Site Name	Garner Street Soils Site RS	**TO/TD No.**	2071-2201-01
Document Tracking No.	0610a		
Data Reviewer (signature and date)	Aaron J Smith 8/23/2022	**Technical Reviewer (signature and date)**	
Laboratory Report No.	JD48925	**Laboratory**	SGS – Dayton, NJ
Analyses	Toxicity Characteristic Leaching Procedure metals by SW-846 method 1311/6010D, and mercury by SW-846 method 7470A		
Samples and Matrix	One soil sample		
Collection Date(s)	7/22/2022		
Field Duplicate Pairs	None		
Field QC Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment Task Orders, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (May 2021), and the EPA *National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

Mercury was qualified as rejected due to temperature exceedance. No further qualifications were necessary, and the remaining results may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
N	The samples were received at the laboratory without ice. The temperature of the samples upon receipt was 21.8 degrees Celsius (°C). Therefore, the mercury result for GS-TCLP-01 was qualified as rejected (flagged R). No further qualification was required for the remaining metals results.

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Analytes detected at concentrations less than the reporting limit (RL) were considered not detected (flagged U) by the laboratory and were reported at the value of the RL. The laboratory provided method detection limits (MDLs) in the EDD, however concentrations greater than the MDL, but less than the RL were not reported. Sample specific MDLs and RLs are provided in the attached analytical data table.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [none]:

Within Criteria	Exceedance/Notes
NA	

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

GARNER STREET SOILS RS SITE SOIL ANALYTICAL RESULTS SUMMARY
SGS REPORT NO. JD48925

Sample ID	Method	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-TCLP-01	SW6010D	Arsenic	0.1	U	0.0028	0.1	mg/l	0.1	U
GS-TCLP-01	SW6010D	Barium	0.2	U	0.013	0.2	mg/l	0.2	U
GS-TCLP-01	SW6010D	Cadmium	0.01		0.001	0.004	mg/l	0.01	
GS-TCLP-01	SW6010D	Chromium	0.01	U	0.002	0.01	mg/l	0.01	U
GS-TCLP-01	SW6010D	Lead	0.1	U	0.0018	0.1	mg/l	0.1	U
GS-TCLP-01	SW7470A	Mercury	0.0002	U	0.000095	0.0002	mg/l	0.0002	R
GS-TCLP-01	SW6010D	Selenium	0.1	U	0.0049	0.1	mg/l	0.1	U
GS-TCLP-01	SW6010D	Silver	0.01	U	0.0019	0.01	mg/l	0.01	U

ATTACHMENT 2

DATA VALIDATION REPORT
ALS ENVIRONMENTAL REPORT NO. 2208509

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 8 START CONTRACT

Site Name	Garner Street Soils Site RS	**TO/TD No.**	2071-2201-01
Document Tracking No.	0610a		
Data Reviewer (signature and date)	Aaron J Smith 8/22/2022	**Technical Reviewer (signature and date)**	
Laboratory Report No.	K2208509	**Laboratory**	ALS Environmental – Kelso, WA
Analyses	Lead by SW846 method 6020A		
Samples and Matrix	Fifteen soil samples		
Collection Date(s)	05/16/2022, 05/17/2022, 05/18/2022, and 05/19/2022		
Field Duplicate Pairs	None		
Field QC Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment Task Orders, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (May 2021), and the EPA *National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No qualification of results was necessary for this data package. The results may be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
Y	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
Y	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	All samples were analyzed at dilutions of five-fold (5x) to minimize potential matrix interference. Reporting limits (RLs) were adjusted accordingly.

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Analytes detected at concentrations less than the RL were considered not detected (flagged U) by the laboratory and were reported at the value of the RL. Method detection limits (MDLs) were not provided in the analytical data package or in the EDD. Sample specific RLs are provided in the attached analytical data table.

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [none]:

Within Criteria	Exceedance/Notes
NA	

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

GARNER STREET SOILS RS SITE SOIL ANALYTICAL RESULTS SUMMARY
ALS REPORT NO. 2208509

Sample ID	Method	Analyte	Lab Result	Lab Qual	RL	Units	Val Result	Val Qual
GS-06E-00-01	6020A	IVBA Lead	58.1		0.049	mg/Kg	58.1	
GS-07E-00-01	6020A	IVBA Lead	57.1		0.05	mg/Kg	57.1	
GS-08A-00-01	6020A	IVBA Lead	28.4		0.049	mg/Kg	28.4	
GS-08B-00-01	6020A	IVBA Lead	22.3		0.05	mg/Kg	22.3	
GS-12B-00-01	6020A	IVBA Lead	21.8		0.05	mg/Kg	21.8	
GS-21D-00-01	6020A	IVBA Lead	83.9		0.05	mg/Kg	83.9	
GS-23D-00-01	6020A	IVBA Lead	41.2		0.05	mg/Kg	41.2	
GS-27D-00-01	6020A	IVBA Lead	20.9		0.05	mg/Kg	20.9	
GS-29A4-00-01	6020A	IVBA Lead	13.7		0.05	mg/Kg	13.7	
GS-29D-00-01	6020A	IVBA Lead	65.7		0.049	mg/Kg	65.7	
GS-34A-00-01	6020A	IVBA Lead	11.8		0.049	mg/Kg	11.8	
GS-36A-00-01	6020A	IVBA Lead	25.2		0.05	mg/Kg	25.2	
GS-40A-00-01	6020A	IVBA Lead	14.1		0.049	mg/Kg	14.1	
GS-CA10-00-01	6020A	IVBA Lead	49.2		0.05	mg/Kg	49.2	
GS-HOUSE-00-01	6020A	IVBA Lead	22.7		0.05	mg/Kg	22.7	

TETRA TECH

January 19, 2023

Joyce Ackerman
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 8
1595 Wynkoop Street
Denver, Colorado, 80202

Subject: **Data Validation Report**
Garner Street Soils Site
EPA Contract No.: 68HE0820D0001
Task Order No.: 68HE0820F0071
Technical Direction (TD) No.: 2071-2201-01
Document Tracking No.: 0610b

Dear Ms. Ackerman,

Tetra Tech, Inc. (Tetra Tech) is submitting this data validation report for fifteen soil samples collected at the Garner Street Soils site. The samples were collected between May 16-19, 2022 and were analyzed for total arsenic and bioaccessible arsenic by ALS Environmental in Kelso, WA. The final laboratory data package was received on December 7, 2022.

Analytical data were evaluated in general accordance with the Tetra Tech *Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment Task Orders, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (May 2021), and the EPA *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020).

All arsenic results were qualified as estimated due to holding time exceedances. The results may be used as qualified.

If you have any questions regarding this data validation report, please call me at (720) 273-6384.

Sincerely,

Steve Szocik

Environmental Chemist

Enclosures

cc: Didi Fung, Tetra Tech Program Manager
Brian Croft, Tetra Tech Project Manager

Tetra Tech, Inc.
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Clayton Longest, Tetra Tech Project Document Control Coordinator
TO/TD File

ATTACHMENT 1

DATA VALIDATION REPORT
ALS ENVIRONMENTAL REPORT NO. K2213590

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 8 START CONTRACT

Site Name	Garner Street Soils	**TO/TD No.**	68HE0820F0071/2071-2112-05
Document Tracking No.	0610b		
Data Reviewer (signature and date)	12/20/2022	**Technical Reviewer (signature and date)**	12/28/2022
Laboratory Report No.	K2213590	**Laboratory**	ALS Environmental (Kelso, WA)
Analyses	Total arsenic by EPA SW-846 Method 6020A and bio accessible arsenic by EPA methods 9200.2-86 and 6020A		
Samples and Matrix	15 soil samples		
Collection Date(s)	May 16-19, 2022		
Field Duplicate Pairs	None		
Field QC Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Programmatic Quality Assurance Project Plan for Emergency Response and Site Assessment Task Orders, Superfund Technical Assessment and Response Team (START V), EPA Region 8, Revision 4* (May 2021), and the EPA *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020).

OVERALL EVALUATION

No results were rejected. The results may be used as qualified based on the findings of this validation effort.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
N	Samples were collected May 16-18 and extracted/prepared December 6, 2022, which is outside the 180-day holding time for metals. All arsenic sample results were qualified as estimated (flagged J). While no qualifications were applied, the data user should note the samples were received by the laboratory without custody seals.

Method blanks:

Within Criteria	
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

Surrogates and labeled compounds:

Within Criteria	Exceedance/Notes
NA	

MS/MSDs:

Within Criteria	Exceedance/Notes
Y	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
Y	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	All samples and method blanks were analyzed at a fivefold dilution in accordance with laboratory standard operating procedure for EPA method 6020.

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [none]:

Within Criteria	Exceedance/Notes
NA	

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

GARNER STREET SOIL SOIL ANALYTICAL RESULTS SUMMARY
ALS ENVIRONMENTAL REPORT NO. K2213590

Sample	Method	CAS No	Analyte	Lab Result	Lab Qual	MDL	RL	Units	Val Result	Val Qual
GS-04A-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	31.6		0.5	0.5	mg/kg	31.6	J
GS-04A-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	4.89		0.5	0.5	mg/kg	4.89	J
GS-04B-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	96.3		0.49	0.49	mg/kg	96.3	J
GS-04B-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	13.9		0.49	0.49	mg/kg	13.9	J
GS-05B-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	62.7		0.49	0.49	mg/kg	62.7	J
GS-05B-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	9.25		0.5	0.5	mg/kg	9.25	J
GS-08E-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	46.7		0.5	0.5	mg/kg	46.7	J
GS-08E-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	8.53		0.5	0.5	mg/kg	8.53	J
GS-09B-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	109		0.5	0.5	mg/kg	109	J
GS-09B-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	8.85		0.5	0.5	mg/kg	8.85	J
GS-10B-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	120		0.5	0.5	mg/kg	120	J
GS-10B-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	10.8		0.5	0.5	mg/kg	10.8	J
GS-11D-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	34.1		0.5	0.5	mg/kg	34.1	J
GS-11D-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	5.87		0.49	0.49	mg/kg	5.87	J
GS-16B1-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	35.5		0.49	0.49	mg/kg	35.5	J
GS-16B1-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	4.38		0.5	0.5	mg/kg	4.38	J
GS-28D-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	48.2		0.5	0.5	mg/kg	48.2	J
GS-28D-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	7.29		0.49	0.49	mg/kg	7.29	J
GS-29A5-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	109		0.49	0.49	mg/kg	109	J
GS-29A5-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	7.55		0.49	0.49	mg/kg	7.55	J
GS-33A-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	106		0.5	0.5	mg/kg	106	J
GS-33A-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	10.4		0.5	0.5	mg/kg	10.4	J
GS-38A-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	64.7		0.5	0.5	mg/kg	64.7	J
GS-38A-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	5.27		0.49	0.49	mg/kg	5.27	J
GS-40A1-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	39		0.49	0.49	mg/kg	39.00	J
GS-40A1-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	4.52		0.5	0.5	mg/kg	4.52	J
GS-44A-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	25.6		0.49	0.49	mg/kg	25.6	J
GS-44A-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	4		0.5	0.5	mg/kg	4.00	J
GS-HOUSE-00-01	EPA 6020A 3050A	7440-38-2	Arsenic	58.2		0.49	0.49	mg/kg	58.2	J
GS-HOUSE-00-01	EPA 6020A 9200.2-86	7440-38-2	Arsenic	8.02		0.5	0.5	mg/kg	8.02	J

ENCLOSURE 5: LABORATORY DATA PACKAGE

To be submitted separately from report due to file size