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Periodic Monitoring Report for Ancho Watershed, October 21–October 28, 2009

Los Alamos
NATIONAL LABORATORY
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Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

This periodic monitoring report provides the results of the periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Ancho Watershed. This PME is conducted semiannually pursuant to the 2009 Interim Facility-Wide Groundwater Monitoring Plan, prepared under the Compliance Order on Consent.

The PME documented in this report occurred from October 21 to October 28, 2009, and included sampling of surface-water stations and groundwater wells and well ports. The report also includes surface water data from the previous PME that were not reported because they had not been validated.

Water samples collected from various locations during this PME were analyzed for target analyte list metals, volatile organic compounds, semivolatile organic compounds, cyanide, pesticides, polychlorinated biphenyls, high explosives, radionuclides, low-level tritium, general inorganics, perchlorate, stable isotopes, and field parameters (alkalinity, dissolved oxygen, pH, specific conductance, temperature, and turbidity).

No unreported surface water results from previous PMEs were above screening levels, and no groundwater results were unreported from previous PMEs.

For the current PME, the filtered aluminum concentration at surface water location Rio de los Frijoles at Bandelier of 114 µg/L was above the New Mexico Aquatic Life Chronic Standard screening level of 87 µg/L, which applies in this perennial reach. Results for filtered aluminum at this location since 2002 have ranged from <68 µg/L to 4840 µg/L; all but one result were below 357 µg/L.

None of the results reported from this PME were above screening levels in groundwater samples.

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Acronyms and Abbreviations

AK	acceptable knowledge
amsl	above mean sea level
AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
bgs	below ground surface
C	cancer (risk type)
DCGs	Derived Concentration Guidelines (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
F	filtered
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory (the Laboratory)
MCL	maximum contaminant level (EPA)
MDL	method detection limit
N	noncancer
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
PME	periodic monitoring event
PQL	practical quantitation limit
QC	quality control
RAD	radionuclide
RCRA	Resource Conservation and Recovery Act
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RPF	Records Processing Facility
SVOA	semivolatile organic analysis
SWMU	solid waste management unit
TA	technical area
TNT	2,4,6-trinitrotoluene
UF	unfiltered
VOA	volatile organic analysis

1.0 INTRODUCTION

This report provides documentation of semiannual groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Ancho Watershed pursuant to the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2009, 106115), prepared under the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from October 21 to October 28, 2009, and included sampling of surface-water stations and groundwater monitoring wells or well ports.

The Consent Order identifies New Mexico Water Quality Control Commission (NMWQCC) groundwater standards, including alternative abatement standards and U.S. Environmental Protection Agency (EPA) drinking water maximum contaminant levels (MCLs) as cleanup levels for groundwater when corrective action is implemented. NMWQCC groundwater standards, MCLs, and EPA tap water screening levels are used as screening levels for monitoring data and are provided in this report.

This report presents the following information:

- general background information on the watershed
- field-measurement monitoring results
- water-quality monitoring results
- results of the screening analysis (comparing the PME results with screening levels and results from previous reports)
- a summary based on the data and the screening analysis

Information on radioactive materials and radionuclides, including the results of sampling and analysis of radioactive constituents, is voluntarily provided to the New Mexico Environment Department (NMED) in accordance with U.S. Department of Energy (DOE) policy.

1.1 Background

Ancho Canyon is located in the southeastern part of the Laboratory (Figure 2.0-1). Chaquehui and Frijoles Canyons, which are tributaries of Ancho Canyon, are incorporated into Ancho Canyon monitoring events in the IFGMP. Technical Area 39 (TA-39) is located on the floor of middle Ancho Canyon, and it was used for open-air testing of explosives compounds. Solid waste management units (SWMUs) and areas of concern (AOCs) at TA-39 include five firing sites, a number of landfills, and septic systems. More detailed information about the operational history and the SWMUs and AOCs can be found in the "RFI Work Plans for Operable Unit 1122" (LANL 1992, 007671) and the "RFI Work Plan for Operable Unit 1132" (LANL 1993, 015316).

TA-49 is located on a mesa in the upper part of the Ancho Canyon drainage, and part of the area drains into Water Canyon. TA-49 was used for underground hydronuclear testing in the early 1960s. The testing consisted of criticality, equation-of-state, and calibration experiments involving special nuclear materials. The testing produced large inventories of radioactive and hazardous materials, including isotopes of uranium and plutonium, lead, and beryllium; explosives such as TNT (2,4,6-trinitrotoluene); RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine); and HMX (octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine); and barium nitrate. Much of this material remains in shafts on the mesa top. Further information about activities and SWMUs and AOCs at TA-49 can be found in the report "Environmental Status of Technical Area 49, Los Alamos, New Mexico" (Purtymun and Stoker 1987, 006688) and the "RFI Work Plan for Operable Unit 1144" (LANL 1992, 007670).

Monitoring locations in Ancho Canyon are situated near or downstream from areas of past Laboratory weapons-testing activities. Most monitoring locations in Ancho Canyon sample the regional aquifer.

Test wells DT-5A, DT-9, DT-10, and R-31 are regional aquifer monitoring wells. Three decades of water-quality records from DT-5A, DT-9, and DT-10 exist. The upper screen of R-31 (screen 1) was set in an intermediate perched groundwater zone that has produced no water. This screen is checked semiannually, and a sample will be collected if water is present.

2.0 SCOPE OF ACTIVITIES

The PME for the Ancho Watershed was conducted pursuant to the 2009 IFGMP.

Table 2.0-1 provides the location name, sample collection date, port name, port depth, screened interval, top and bottom screen depths, casing volume, purge volume, base flow, water level, and the water-level method for each of the monitored locations. These locations are shown in Figure 2.0-1.

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PME are documented in the 2009 IFGMP.

3.2 Field Parameter Results

Appendix A contains the field parameter results for this PME and the previous three PMEs.

3.3 Groundwater Elevations and Base Flow Measurements

The periodic monitoring water-level elevation data for this event and the previous three monitoring events are presented in Appendix B. For wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements are reported at the time immediately before sampling. The water-level measurements taken during this PME and for the past year are shown graphically in Plate 1. Base-flow observations are shown on Plate 2.

3.4 Deviations from Planned Scope

Table 3.4-1 typically describes the deviations from the planned scope of the PME. There were no deviations encountered during this PME. Table 3.4-1 in this periodic monitoring report presents a list of analytes for which the practical quantitation limits (PQLs) and method detection limits (MDLs) are greater than screening levels.

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PMEs are documented in the 2009 IFGMP. Purge water is being managed and characterized in accordance with the Waste Characterization Strategy Form 39268 and ENV-RCRA-SOP-010.1, Land Application of Groundwater.

ENV-RCRA-SOP-010.1 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling purge water.

All sampling, data reviews, and data package validations were conducted using standard operating procedures (SOPs) that are part of a comprehensive quality assurance program. The quality program and procedures are available at http://www.lanl.gov/environment/all/qa.shtml. Completed chain-of-custody forms serve as an analytical request form and include the requester or owner, sample number, program code, date and time of sample collection, total number of bottles, list of analytes to be measured, bottle sizes, and preservatives for each analysis required.

The required analytical laboratory batch quality control (QC) is defined by the analytical method, the analytical statement of work, and generally accepted laboratory practices. The analytical laboratory assigns qualifiers to the data to indicate the quality of the analytical results. The laboratory batch QC is used in the secondary data-validation process to evaluate the quality of individual analytical results, evaluate the appropriateness of the analytical methodologies, and measure the routine performance of the analytical laboratory.

In addition to batch QC performed by laboratories, the Laboratory submitted field QC samples to test the overall sampling and analytical laboratory process and to spot-check for analytical problems. These results are used in secondary validation along with information provided by the analytical laboratory.

After the Laboratory receives the analytical laboratory data packages, the packages receive secondary validation by an independent contractor, Analytical Quality Associates, Inc. (AQA). The reviews by AQA follow the guidelines set in the DOE model SOP for data validation, which includes reviewing the data quality and the documentation's correctness and completeness; verifying that holding times were met; and ensuring that analytical laboratory QC measures were applied, documented, and kept within contract requirements. As a result of secondary validation, a second set of qualifiers is assigned to the analytical results.

The Laboratory assigns detection status to the analytical result based on the analytical laboratory and secondary validation qualifiers. A "<" symbol indicates that based on the qualifiers the result was a nondetection.

4.2 Analytical Data

Table C-1 in Appendix C presents previously unreported analytical data. Table C-2 presents the analytical data from this PME and from the last three sampling events immediately before the October 2009 sampling event. The screening levels with which the results are compared are shown in Table 4.2-1. The analytical laboratory reports (including chain-of-custody forms, data validation, etc.) are presented in Appendix F.

Table C-2 contains all data collected during the PME (i.e., all data that have been independently reviewed for conformance with Laboratory requirements), with the following constraints.

- All data
    - ❖ Data that are R-qualified (rejected because of noncompliance regarding QC acceptance criteria) during independent validation are considered "not detected" but are still reported. Analytical laboratory QC results, including matrix spike and matrix spike duplicates, are not included in the data set.

- Radionuclides
    - ❖ All low-detection-limit tritium data are reported. Results greater than 3 times the 1 standard deviation total propagated analytical uncertainty (or 3σ) are considered to be detects.
    - ❖ Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
    - ❖ Only cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
    - ❖ Otherwise, all detects are reported at all locations, that is, results without a laboratory qualifier of U or X (abbreviations that indicate that the analyte was not detected).
- Nonradionuclides
    - ❖ All results, excluding nondetects, are reported. Field duplicates, reanalyses, field blanks, trip blanks, equipment blanks, and different analytical methods are also reported.

The screening levels applied to all media and their sources are listed in Table 4.2-1.

Data for periodic monitoring reports are evaluated using the following screening process.

- Groundwater perchlorate data were compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order.
- The NMWQCC groundwater standards apply as screening levels for this report to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants.
- As required by the Consent Order, EPA Region 6 Regional tap water screening levels are used for constituents having no other regulatory standard and for which toxicological information is published. For these screening levels, the tables indicate a risk type of C (excess cancer risk level of 10^{-5}) or N (noncancer). The Consent Order specifies screening for excess cancer risk at a risk level of 10^{-5} (rather than 10^{-6} as given in the Region 6 tables). Therefore, the Region 6 values were multiplied by 10 to obtain the 10^{-5} excess cancer risk level.
- The analytical results for radionuclides are compared with the DOE Biota Concentration Guide (BCG) for surface water and Derived Concentration Guidelines (DCGs) for groundwater.

Tables D-1 through D-5 in Appendix D show all analytical results for perchlorate, all detections for radioactivity, and organic compounds and all values greater than half the lowest applicable screening-level values for metals and general inorganic compounds.

Analytical results are presented graphically in Appendix E. The analytes shown in Appendix E were selected from data collected during the PMEs. The analytes shown in the appendix were selected because they were above screening levels at least once during the three most recent sampling events. Once an analyte meets this criterion, the concentrations of the analyte are plotted for a three year period. If three years of data are not available, then all available results for the analyte are plotted. The solid red lines depict applicable screening levels.

Table 4.2-2 shows results for surface water that are above a screening level. Multiple detections of a particular constituent at a location are counted as one result. For example, if aluminum is detected above a screening level in both a primary sample and a field duplicate, only the highest result is shown.

4.2.1 Surface Water (Base Flow)

No results unreported from previous PMEs were measured above screening levels in surface-water samples.

The filtered aluminum concentration at surface water location Rio de los Frijoles at Bandelier of 114 µg/L was above the New Mexico Aquatic Life Chronic Standard of 87 µg/L, which applies in this perennial reach. Results for filtered aluminum at this location since 2002 have ranged from <68 µg/L to 4840 µg/L; all but one result are below 357 µg/L.

4.2.2 Groundwater

No results were unreported from previous PMEs.

None of the results reported from this PME were above screening levels in groundwater samples.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the Ancho Watershed are proposed at this time.

5.0 SUMMARY

5.1 Monitoring Results

Semiannual groundwater and surface-water monitoring were conducted in October 2009. The laboratory analytical results are summarized below. An evaluation of the field parameter monitoring results is presented in Appendix A.

5.2 Analytical Results

The types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed. No results were unreported from previous PMEs for Ancho Canyon.

5.2.1 Surface Water (Base Flow)

Overall, one result from surface water samples collected during this PME exceeded screening levels. No results unreported from prior PMEs from Ancho Canyon were above screening levels (Table 4.2-2).

5.2.2 Groundwater

No results from groundwater samples collected during this PME from Ancho Canyon exceeded screening levels.

5.3 Data Gaps

Table 3.4-1 typically summarizes the data gaps encountered during the PME; however, there are no sampling-event deviations for this PME. Table 3.4-1 in this periodic monitoring report presents a list of analytes for which the PQLs and MDLs are greater than screening levels.

6.0 REFERENCES

The following list includes all documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ER ID. This information is also included in text citations. ER IDs are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the Program master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.

LANL (Los Alamos National Laboratory), May 1992. "RFI Work Plan for Operable Unit 1122," Los Alamos National Laboratory document LA-UR-92-925, Los Alamos, New Mexico. (LANL 1992, 007671)

LANL (Los Alamos National Laboratory), May 1992. "RFI Work Plan for Operable Unit 1144," Los Alamos National Laboratory document LA-UR-92-900, Los Alamos, New Mexico. (LANL 1992, 007670)

LANL (Los Alamos National Laboratory), June 1993. "RFI Work Plan for Operable Unit 1132," Los Alamos National Laboratory document LA-UR-93-768, Los Alamos, New Mexico. (LANL 1993, 015316)

LANL (Los Alamos National Laboratory), May 2009. "2009 Interim Facility-Wide Groundwater Monitoring Plan," Los Alamos National Laboratory document LA-UR-09-1340, Los Alamos, New Mexico. (LANL 2009, 106115)

Purtymun, W.D., and A.K. Stoker, November 1987. "Environmental Status of Technical Area 49, Los Alamos, New Mexico," Los Alamos National Laboratory report LA-11135-MS, Los Alamos, New Mexico. (Purtymun and Stoker 1987, 006688)

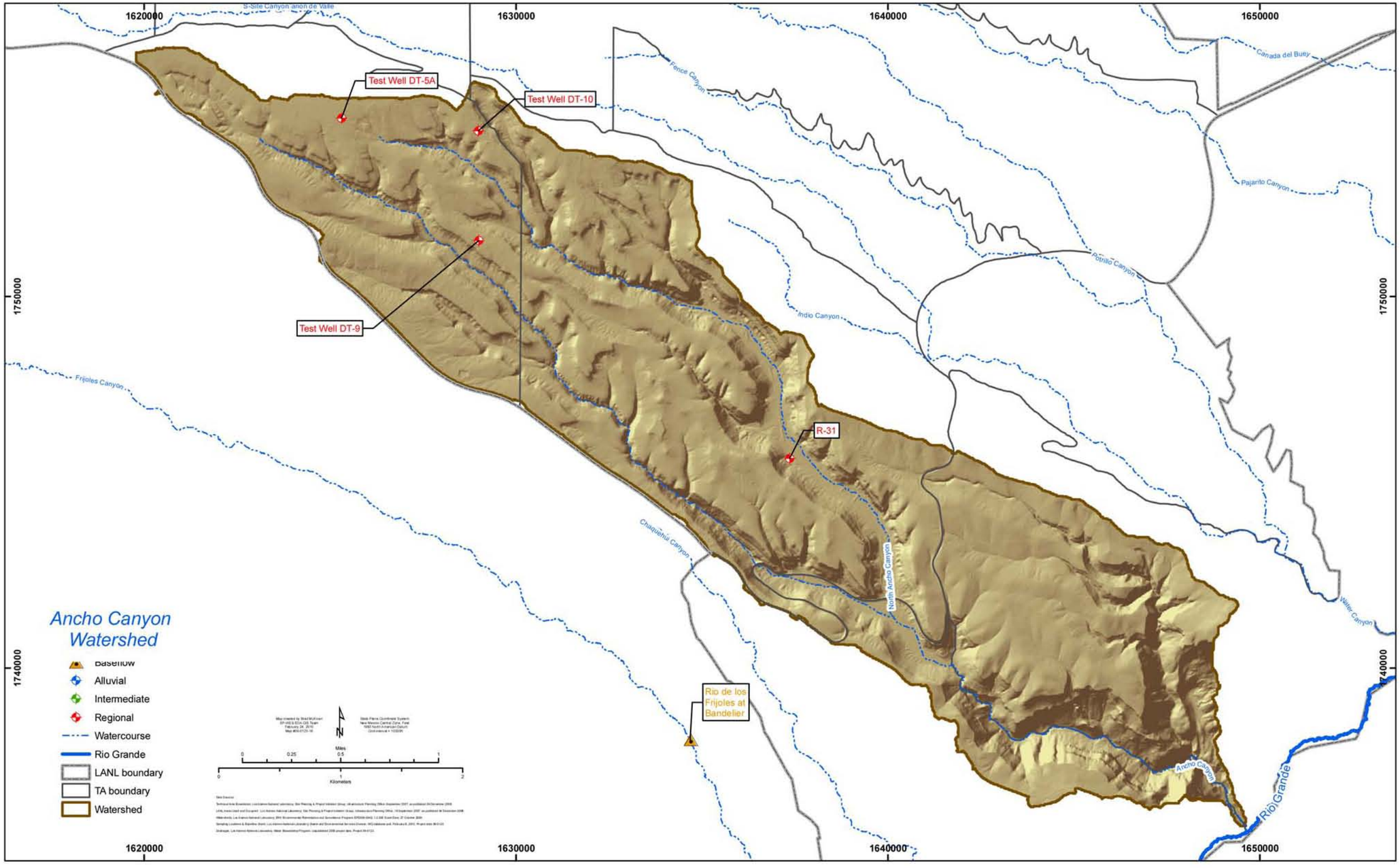


Figure 2.0-1 Watershed sampled locations

Table 2.0-1
Monitoring Locations and General Information

Location	Sample Collection Date	Port Name	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal)	Purge Volume (gal)	Base Flow (ft^3/s)	Water Level (ft amsl[a])	Water Level Method
Base Flow											
Rio de los Frijoles at Bandelier (E350)	21-Oct-09	n/a[b]	n/a	n/a	n/a	n/a	n/a	n/a	1.00	n/a	n/a
Regional Aquifer											
R-31	26-Oct-09	MP2B	542.5	30.7	515.0	545.7	n/a	n/a	n/a	5826.76	Transducer
R-31	26-Oct-09	MP3A	670.3	10.0	666.3	676.3	n/a	n/a	n/a	5825.61	Transducer
R-31	22-Oct-09	MP4A	830.9	10.0	826.6	836.6	n/a	n/a	n/a	5829.54	Transducer
R-31	22-Oct-09	MP5A	1011	10.0	1007.1	1017.1	n/a	n/a	n/a	5836.35	Transducer
Test Well DT-10	22-Oct-09	Single	1078.4	329.6	1078.4	1408.0	799.73	799.73	n/a	5918.31	Manual
Test Well DT-5A	28-Oct-09	Single	1171.5	617.0	1171.5	1788.5	1654.6	1666	n/a	5958.08	Transducer
Test Well DT-9	28-Oct-09	Single	819.0	681.0	819.0	1500.0	2285.46	2243	n/a	5915.00	Manual

[a] amsl = Above mean sea level.

[b] n/a = Not applicable.

Table 3.4-1
PME Analytes with PQLs and MDLs above Screening-Level Values

Analytical Suite Code	Analyte	PQL	MDL	Unit	Screening-Level Value	Screening Level
SVOA[a]	Azobenzene	12.5	2.5	µg/L	1.2	EPA Regional Tap
SVOA	Benzidine	11.1	2.2	µg/L	0.00094	EPA Regional Tap
SVOA	Benzo(a)pyrene	1.25	0.25	µg/L	0.2	EPA MCL
SVOA	Bis(2-chloroethyl)ether	12.5	2.5	µg/L	0.12	EPA Regional Tap
SVOA	Dibenz(a,h)anthracene	1.11	0.22	µg/L	0.029	EPA Regional Tap
SVOA	Dinitro-2-methylphenol[4,6-]	12.5	3.8	µg/L	3.7	EPA Regional Tap
SVOA	Dinitrotoluene[2,4-]	12.5	2.5	µg/L	2.2	EPA Regional Tap
SVOA	Hexachlorobenzene	12.5	2.5	µg/L	1	EPA MCL
SVOA	Nitrobenzene	12.5	3.8	µg/L	1.2	EPA Regional Tap
SVOA	Nitrosodiethylamine[N-]	12.5	2.5	µg/L	0.0014	EPA Regional Tap
SVOA	Nitrosodimethylamine[N-]	12.5	2.5	µg/L	0.0042	EPA Regional Tap
SVOA	Nitroso-di-n-butylamine[N-]	12.5	2.5	µg/L	0.024	EPA Regional Tap
SVOA	Nitroso-di-n-propylamine[N-]	12.5	2.5	µg/L	0.096	EPA Regional Tap
SVOA	Nitrosopyrrolidine[N-]	12.5	2.5	µg/L	0.32	EPA Regional Tap
SVOA	Pentachlorophenol	12.5	2.5	µg/L	1	EPA MCL
VOA[b]	Acrolein	5	1.3	µg/L	0.042	EPA Regional Tap
VOA	Acrylonitrile	5	1	µg/L	0.45	EPA Regional Tap
VOA	Dibromo-3-Chloropropane[1,2-]	1	0.5	µg/L	0.2	EPA MCL
VOA	Dibromoethane[1,2-]	1	0.25	µg/L	0.05	EPA MCL
VOA	Methacrylonitrile	5	1	µg/L	1	EPA Regional Tap
VOA	Trichloropropane[1,2,3-]	1	0.3	µg/L	0.096	EPA Regional Tap
RAD[c]	Neptunium-237	n/a[d]	40	pCi/L	30	DOE DCG

Note: This table is applicable to all samples reported in all PMRs.

[a] SVOA= semivolatile organic analysis.

[b] VOA = Volatile organic analysis.

[c] RAD = Radionuclide.

[b] n/a = Not applicable.

Table 4.2-1
Screening Levels for Groundwater and Surface Water at Los Alamos National Laboratory

Standard Type	Groundwater	Surface Water
DOE BCG	n/a[a]	X[b]
DOE 100 mrem Public Dose DCGs	X	n/a
DOE 4 mrem Drinking Water DCGs	X	n/a
EPA MCL	X	n/a
EPA Region 6 Tap Water Screening Level	X	n/a
New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
NMWQCC Fisheries Standards Chronic	n/a	X
NMWQCC Fisheries Standards Chronic, Hardness = 100 mg/L	n/a	X
NMWQCC Groundwater Standard	X	n/a
NMWQCC Livestock Watering Standard	n/a	X
NMWQCC Wildlife Habitat Standard	n/a	X
NMWQCC Human Health Standard Ephemeral	n/a	X
NMWQCC Human Health Standard Perennial	n/a	X

[a] n/a = Not applicable.

[b] X = Standard applied to data screen for this report.

Table 4.2-2
Ancho Watershed Surface Water Results above Screening Levels

Location	Date	Analyte	Field Prep	Result	Unit	Screening-Level Value	Screening Level
Surface Water							
Rio de los Frijoles at Bandelier	10/21/09	Al	F*	114	µg/L	87	NM Aquatic Chronic

*F = Filtered.

Appendix A

Field Parameter Results

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-31	1562	542.5	10/26/09	WG	Dissolved Oxygen	3.59	mg/L	CAAN-09-14353
R-31	1562	542.5	04/07/09	WG	Dissolved Oxygen	3.55	mg/L	CAAN-09-5703
R-31	1562	542.5	10/26/09	WG	Specific Conductance	377	µS/cm	CAAN-09-14353
R-31	1562	542.5	04/07/09	WG	Specific Conductance	340	µS/cm	CAAN-09-5703
R-31	1562	542.5	10/26/09	WG	Temperature	15.28	deg C	CAAN-09-14353
R-31	1562	542.5	04/07/09	WG	Temperature	17.8	deg C	CAAN-09-5703
R-31	1562	542.5	10/26/09	WG	Turbidity	9.92	NTU	CAAN-09-14353
R-31	1562	542.5	04/07/09	WG	Turbidity	6.37	NTU	CAAN-09-5703
R-31	1562	542.5	10/26/09	WG	pH	11.05	SU	CAAN-09-14353
R-31	1562	542.5	04/07/09	WG	pH	6.78	SU	CAAN-09-5703
R-31	1612	670.3	10/26/09	WG	Dissolved Oxygen	3.37	mg/L	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	Dissolved Oxygen	3.15	mg/L	CAAN-09-5705
R-31	1612	670.3	10/24/08	WG	Dissolved Oxygen	2.6	mg/L	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	Dissolved Oxygen	3.76	mg/L	CAAN-08-11749
R-31	1612	670.3	11/06/07	WG	Dissolved Oxygen	4.72	mg/L	FU07100G31R301
R-31	1612	670.3	10/26/09	WG	Specific Conductance	160	µS/cm	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	Specific Conductance	165	µS/cm	CAAN-09-5705
R-31	1612	670.3	10/24/08	WG	Specific Conductance	159.2	µS/cm	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	Specific Conductance	122.2	µS/cm	CAAN-08-11749
R-31	1612	670.3	10/26/09	WG	Temperature	14.45	deg C	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	Temperature	17.71	deg C	CAAN-09-5705
R-31	1612	670.3	10/24/08	WG	Temperature	18.6	deg C	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	Temperature	23.5	deg C	CAAN-08-11749
R-31	1612	670.3	11/06/07	WG	Temperature	16.2	deg C	FU07100G31R301
R-31	1612	670.3	10/26/09	WG	Turbidity	1.56	NTU	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	Turbidity	0.61	NTU	CAAN-09-5705
R-31	1612	670.3	10/24/08	WG	Turbidity	1.19	NTU	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	Turbidity	2	NTU	CAAN-08-11749

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-31	1612	670.3	11/06/07	WG	Turbidity	0.69	NTU	FU07100G31R301
R-31	1612	670.3	10/26/09	WG	pH	9.92	SU	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	pH	7.32	SU	CAAN-09-5705
R-31	1612	670.3	10/24/08	WG	pH	7.2	SU	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	pH	8.11	SU	CAAN-08-11749
R-31	1662	830.9	10/22/09	WG	Dissolved Oxygen	8.69	mg/L	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	Dissolved Oxygen	6.4	mg/L	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	Dissolved Oxygen	4.19	mg/L	CAAN-08-11742
R-31	1662	830.9	08/23/05	WG	Dissolved Oxygen	140.3	mg/L	FU0508G31R401
R-31	1662	830.9	11/02/07	WG	Dissolved Oxygen	8.61	mg/L	FU07100G31R401
R-31	1662	830.9	10/22/09	WG	Specific Conductance	121	µS/cm	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	Specific Conductance	122.8	µS/cm	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	Specific Conductance	113.5	µS/cm	CAAN-08-11742
R-31	1662	830.9	10/22/09	WG	Temperature	17.14	deg C	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	Temperature	21.4	deg C	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	Temperature	24.4	deg C	CAAN-08-11742
R-31	1662	830.9	11/02/07	WG	Temperature	18.9	deg C	FU07100G31R401
R-31	1662	830.9	05/22/07	WG	Temperature	21.9	deg C	FU07050G31R401
R-31	1662	830.9	10/22/09	WG	Turbidity	0.83	NTU	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	Turbidity	2.44	NTU	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	Turbidity	0.76	NTU	CAAN-08-11742
R-31	1662	830.9	11/02/07	WG	Turbidity	1.76	NTU	FU07100G31R401
R-31	1662	830.9	05/22/07	WG	Turbidity	0.52	NTU	FU07050G31R401
R-31	1662	830.9	10/22/09	WG	pH	8.18	SU	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	pH	8.38	SU	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	pH	8.33	SU	CAAN-08-11742
R-31	1712	1011.3	10/22/09	WG	Dissolved Oxygen	10.96	mg/L	CAAN-09-14349
R-31	1712	1011.3	08/24/05	WG	Dissolved Oxygen	6.63	mg/L	FU0508G31R501

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-31	1712	1011.3	10/22/09	WG	Specific Conductance	156	µS/cm	CAAN-09-14349
R-31	1712	1011.3	12/06/06	WG	Specific Conductance	114.2	µS/cm	FU06110G31R501
R-31	1712	1011.3	05/23/07	WG	Specific Conductance	109.5	µS/cm	FU07050G31R501
R-31	1712	1011.3	10/22/09	WG	Temperature	18.14	deg C	CAAN-09-14349
R-31	1712	1011.3	12/06/06	WG	Temperature	18	deg C	FU06110G31R501
R-31	1712	1011.3	08/24/05	WG	Temperature	22.5	deg C	FU0508G31R501
R-31	1712	1011.3	05/23/07	WG	Temperature	21.7	deg C	FU07050G31R501
R-31	1712	1011.3	10/22/09	WG	Turbidity	0.85	NTU	CAAN-09-14349
R-31	1712	1011.3	12/06/06	WG	Turbidity	0.22	NTU	FU06110G31R501
R-31	1712	1011.3	08/24/05	WG	Turbidity	0.3	NTU	FU0508G31R501
R-31	1712	1011.3	05/23/07	WG	Turbidity	0.6	NTU	FU07050G31R501
R-31	1712	1011.3	10/22/09	WG	pH	8.41	SU	CAAN-09-14349
R-31	1712	1011.3	12/06/06	WG	pH	8.51	SU	FU06110G31R501
R-31	1712	1011.3	05/23/07	WG	pH	8.28	SU	FU07050G31R501
Rio de los Frijoles at Bandelier	—	—	10/21/09	WS	Dissolved Oxygen	10.75	mg/L	CAAN-09-14357
Rio de los Frijoles at Bandelier	—	—	10/23/08	WS	Dissolved Oxygen	9.85	mg/L	CAAN-08-16450
Rio de los Frijoles at Bandelier	—	—	04/08/08	WS	Dissolved Oxygen	9.52	mg/L	CAAN-08-11752
Rio de los Frijoles at Bandelier	—	—	09/20/06	WP	Dissolved Oxygen	8.58	mg/L	FU060900P35001
Rio de los Frijoles at Bandelier	—	—	10/31/07	WP	Dissolved Oxygen	8.9	mg/L	FU071000P35001
Rio de los Frijoles at Bandelier	—	—	10/21/09	WS	Specific Conductance	112	µS/cm	CAAN-09-14357
Rio de los Frijoles at Bandelier	—	—	10/23/08	WS	Specific Conductance	118.7	µS/cm	CAAN-08-16450
Rio de los Frijoles at Bandelier	—	—	04/08/08	WS	Specific Conductance	85.3	µS/cm	CAAN-08-11752
Rio de los Frijoles at Bandelier	—	—	09/20/06	WP	Specific Conductance	138.4	µS/cm	FU060900P35001
Rio de los Frijoles at Bandelier	—	—	10/31/07	WP	Specific Conductance	120.9	µS/cm	FU071000P35001
Rio de los Frijoles at Bandelier	—	—	10/21/09	WS	Temperature	8.87	deg C	CAAN-09-14357
Rio de los Frijoles at Bandelier	—	—	10/23/08	WS	Temperature	5.1	deg C	CAAN-08-16450
Rio de los Frijoles at Bandelier	—	—	04/08/08	WS	Temperature	8.1	deg C	CAAN-08-11752
Rio de los Frijoles at Bandelier	—	—	09/20/06	WP	Temperature	13.8	deg C	FU060900P35001

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Rio de los Frijoles at Bandelier	—	—	10/31/07	WP	Temperature	10.6	deg C	FU071000P35001
Rio de los Frijoles at Bandelier	—	—	10/21/09	WS	Turbidity	5.32	NTU	CAAN-09-14357
Rio de los Frijoles at Bandelier	—	—	10/23/08	WS	Turbidity	5.19	NTU	CAAN-08-16450
Rio de los Frijoles at Bandelier	—	—	04/08/08	WS	Turbidity	32.3	NTU	CAAN-08-11752
Rio de los Frijoles at Bandelier	—	—	09/20/06	WP	Turbidity	11.4	NTU	FU060900P35001
Rio de los Frijoles at Bandelier	—	—	10/31/07	WP	Turbidity	1.81	NTU	FU071000P35001
Rio de los Frijoles at Bandelier	—	—	10/21/09	WS	pH	6.94	SU	CAAN-09-14357
Rio de los Frijoles at Bandelier	—	—	10/23/08	WS	pH	7.45	SU	CAAN-08-16450
Rio de los Frijoles at Bandelier	—	—	04/08/08	WS	pH	7.13	SU	CAAN-08-11752
Rio de los Frijoles at Bandelier	—	—	09/20/06	WP	pH	8.12	SU	FU060900P35001
Rio de los Frijoles at Bandelier	—	—	10/31/07	WP	pH	7.37	SU	FU071000P35001
Test Well DT-10	1811	1080	04/16/08	WG	Dissolved Oxygen	4.83	mg/L	CAAN-08-11737
Test Well DT-10	1811	1080	10/22/09	WG	Dissolved Oxygen	5.32	mg/L	CAAN-09-14341
Test Well DT-10	1811	1080	07/19/05	WG	Dissolved Oxygen	0.52	mg/L	FU05070G01T01
Test Well DT-10	1811	1080	10/30/07	WG	Dissolved Oxygen	4.8	mg/L	FU071000G01T01
Test Well DT-10	1811	1080	05/16/07	WG	Dissolved Oxygen	4.44	mg/L	FU070500G01T01
Test Well DT-10	1811	1080	04/16/08	WG	Oxidation Reduction Potential	243	mV	CAAN-08-11737
Test Well DT-10	1811	1080	10/22/09	WG	Oxidation Reduction Potential	-56.4	mV	CAAN-09-14341
Test Well DT-10	1811	1080	07/19/05	WG	Oxidation Reduction Potential	-117.6	mV	FU05070G01T01
Test Well DT-10	1811	1080	10/30/07	WG	Oxidation Reduction Potential	280	mV	FU071000G01T01
Test Well DT-10	1811	1080	05/16/07	WG	Oxidation Reduction Potential	12.5	mV	FU070500G01T01
Test Well DT-10	1811	1080	04/16/08	WG	Specific Conductance	143	µS/cm	CAAN-08-11737
Test Well DT-10	1811	1080	10/22/09	WG	Specific Conductance	130	µS/cm	CAAN-09-14341
Test Well DT-10	1811	1080	10/30/07	WG	Specific Conductance	126.7	µS/cm	FU071000G01T01
Test Well DT-10	1811	1080	05/16/07	WG	Specific Conductance	129.6	µS/cm	FU070500G01T01
Test Well DT-10	1811	1080	04/16/08	WG	Temperature	22.1	deg C	CAAN-08-11737
Test Well DT-10	1811	1080	10/22/09	WG	Temperature	17.61	deg C	CAAN-09-14341
Test Well DT-10	1811	1080	07/19/05	WG	Temperature	18.6	deg C	FU05070G01T01

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Test Well DT-10	1811	1080	10/30/07	WG	Temperature	20.2	deg C	FU071000G01T01
Test Well DT-10	1811	1080	05/16/07	WG	Temperature	19.2	deg C	FU070500G01T01
Test Well DT-10	1811	1080	04/16/08	WG	Turbidity	1.11	NTU	CAAN-08-11737
Test Well DT-10	1811	1080	10/22/09	WG	Turbidity	3.07	NTU	CAAN-09-14341
Test Well DT-10	1811	1080	07/19/05	WG	Turbidity	0.63	NTU	FU05070G01T01
Test Well DT-10	1811	1080	10/30/07	WG	Turbidity	1.66	NTU	FU071000G01T01
Test Well DT-10	1811	1080	05/16/07	WG	Turbidity	1.45	NTU	FU070500G01T01
Test Well DT-10	1811	1080	04/16/08	WG	pH	8.15	SU	CAAN-08-11737
Test Well DT-10	1811	1080	10/22/09	WG	pH	8.05	SU	CAAN-09-14341
Test Well DT-10	1811	1080	10/30/07	WG	pH	8.27	SU	FU071000G01T01
Test Well DT-10	1811	1080	05/16/07	WG	pH	8.33	SU	FU070500G01T01
Test Well DT-5A	1821	1172	10/28/09	WG	Dissolved Oxygen	6.3	mg/L	CAAN-09-13675
Test Well DT-5A	1821	1172	04/18/08	WG	Dissolved Oxygen	4.62	mg/L	CAAN-08-11743
Test Well DT-5A	1821	1172	12/06/06	WG	Dissolved Oxygen	5.5	mg/L	FU061100GA5T01
Test Well DT-5A	1821	1172	11/10/07	WG	Dissolved Oxygen	5.32	mg/L	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	Dissolved Oxygen	5.2	mg/L	FU070500GA5T01
Test Well DT-5A	1821	1172	10/28/09	WG	Oxidation Reduction Potential	244.8	mV	CAAN-09-13675
Test Well DT-5A	1821	1172	04/18/08	WG	Oxidation Reduction Potential	267	mV	CAAN-08-11743
Test Well DT-5A	1821	1172	12/06/06	WG	Oxidation Reduction Potential	522.6	mV	FU061100GA5T01
Test Well DT-5A	1821	1172	11/10/07	WG	Oxidation Reduction Potential	392	mV	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	Oxidation Reduction Potential	159	mV	FU070500GA5T01
Test Well DT-5A	1821	1172	10/28/09	WG	Specific Conductance	112	µS/cm	CAAN-09-13675
Test Well DT-5A	1821	1172	04/18/08	WG	Specific Conductance	117	µS/cm	CAAN-08-11743
Test Well DT-5A	1821	1172	11/10/07	WG	Specific Conductance	103.8	µS/cm	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	Specific Conductance	96.4	µS/cm	FU070500GA5T01
Test Well DT-5A	1821	1172	10/28/09	WG	Temperature	17.83	deg C	CAAN-09-13675
Test Well DT-5A	1821	1172	04/18/08	WG	Temperature	21.1	deg C	CAAN-08-11743
Test Well DT-5A	1821	1172	12/06/06	WG	Temperature	18.9	deg C	FU061100GA5T01

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Test Well DT-5A	1821	1172	11/10/07	WG	Temperature	21.6	deg C	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	Temperature	20.9	deg C	FU070500GA5T01
Test Well DT-5A	1821	1172	10/28/09	WG	Turbidity	1.27	NTU	CAAN-09-13675
Test Well DT-5A	1821	1172	04/18/08	WG	Turbidity	0.89	NTU	CAAN-08-11743
Test Well DT-5A	1821	1172	12/06/06	WG	Turbidity	2.07	NTU	FU061100GA5T01
Test Well DT-5A	1821	1172	11/10/07	WG	Turbidity	0.89	NTU	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	Turbidity	0.54	NTU	FU070500GA5T01
Test Well DT-5A	1821	1172	10/28/09	WG	pH	7.75	SU	CAAN-09-13675
Test Well DT-5A	1821	1172	04/18/08	WG	pH	7.81	SU	CAAN-08-11743
Test Well DT-5A	1821	1172	11/10/07	WG	pH	7.92	SU	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	pH	7.91	SU	FU070500GA5T01
Test Well DT-9	1831	1040	10/28/09	WG	Dissolved Oxygen	6.04	mg/L	CAAN-09-14338
Test Well DT-9	1831	1040	10/15/08	WG	Dissolved Oxygen	5.03	mg/L	CAAN-08-16112
Test Well DT-9	1831	1040	04/07/08	WG	Dissolved Oxygen	5.24	mg/L	CAAN-08-11731
Test Well DT-9	1831	1040	05/09/07	WG	Dissolved Oxygen	6.18	mg/L	FU070500G9WT01
Test Well DT-9	1831	1040	11/02/07	WG	Dissolved Oxygen	7.17	mg/L	FU071000G9WT01
Test Well DT-9	1831	1040	10/28/09	WG	Oxidation Reduction Potential	224.5	mV	CAAN-09-14338
Test Well DT-9	1831	1040	10/15/08	WG	Oxidation Reduction Potential	13.2	mV	CAAN-08-16112
Test Well DT-9	1831	1040	04/07/08	WG	Oxidation Reduction Potential	266	mV	CAAN-08-11731
Test Well DT-9	1831	1040	05/09/07	WG	Oxidation Reduction Potential	215	mV	FU070500G9WT01
Test Well DT-9	1831	1040	11/02/07	WG	Oxidation Reduction Potential	332	mV	FU071000G9WT01
Test Well DT-9	1831	1040	10/28/09	WG	Specific Conductance	116	µS/cm	CAAN-09-14338
Test Well DT-9	1831	1040	10/15/08	WG	Specific Conductance	102.4	µS/cm	CAAN-08-16112
Test Well DT-9	1831	1040	04/07/08	WG	Specific Conductance	116.5	µS/cm	CAAN-08-11731
Test Well DT-9	1831	1040	05/09/07	WG	Specific Conductance	116.5	µS/cm	FU070500G9WT01
Test Well DT-9	1831	1040	11/02/07	WG	Specific Conductance	114.8	µS/cm	FU071000G9WT01
Test Well DT-9	1831	1040	10/28/09	WG	Temperature	20.09	deg C	CAAN-09-14338
Test Well DT-9	1831	1040	10/15/08	WG	Temperature	20.2	deg C	CAAN-08-16112

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Test Well DT-9	1831	1040	04/07/08	WG	Temperature	21.4	deg C	CAAN-08-11731
Test Well DT-9	1831	1040	05/09/07	WG	Temperature	21.1	deg C	FU070500G9WT01
Test Well DT-9	1831	1040	11/02/07	WG	Temperature	21.7	deg C	FU071000G9WT01
Test Well DT-9	1831	1040	10/28/09	WG	Turbidity	2.35	NTU	CAAN-09-14338
Test Well DT-9	1831	1040	10/15/08	WG	Turbidity	13.2	NTU	CAAN-08-16112
Test Well DT-9	1831	1040	04/07/08	WG	Turbidity	0.99	NTU	CAAN-08-11731
Test Well DT-9	1831	1040	05/09/07	WG	Turbidity	3.66	NTU	FU070500G9WT01
Test Well DT-9	1831	1040	11/02/07	WG	Turbidity	1.43	NTU	FU071000G9WT01
Test Well DT-9	1831	1040	10/28/09	WG	pH	7.88	SU	CAAN-09-14338
Test Well DT-9	1831	1040	10/15/08	WG	pH	9.37	SU	CAAN-08-16112
Test Well DT-9	1831	1040	04/07/08	WG	pH	7.94	SU	CAAN-08-11731
Test Well DT-9	1831	1040	05/09/07	WG	pH	8.25	SU	FU070500G9WT01
Test Well DT-9	1831	1040	11/02/07	WG	pH	8.03	SU	FU071000G9WT01

— = Not applicable.
µS/cm = Microsiemens per centimeter.
mV = Millivolt.
NTU = Nephelometric turbidity unit.
SU = Standard unit.
WG = Groundwater.
WS = Surface water.

Appendix B

Groundwater-Elevation Measurements
(on CD included with this document)

Appendix C

Analytical Results

The following symbols, abbreviations, and acronyms are used throughout Appendix C.

<	Based on qualifiers, the result was a nondetection.
—	none
*	(Inorganic) The result for this analyte in the Los Alamos National Laboratory (Laboratory) replicate analysis was outside acceptance criteria.
B	(Organic) This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic) The result for this analyte was greater than the instrument detection limit but less than the contract-required detection limit.
CS	client sample
CST	control sample triplicate
DUP	duplicate sample
E	(Organic) The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (inductively coupled plasma–atomic emission spectroscopy). The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (graphite furnace atomic absorption) The result for this analyte failed one or more Contract Laboratory Program acceptance criteria as explained in the case narrative.
EES6	The Laboratory's Earth and Environmental Sciences Division (Hydrology, Geochemistry, and Geology Group)
EPA	U.S. Environmental Protection Agency
F	filtered
FD	field duplicate
FTB	field trip blank
GELC	General Engineering Laboratories
GEO	Geochron Analytical Laboratory
H	(Organic/Inorganic) The required extraction or analysis holding time for this result was exceeded.
HUFFMAN	Huffman Analytical Laboratory
Inorg	inorganic
J	(Organic/General Inorganics) The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit.
J-	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected negative bias.

J+	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
LLEE	low-level electrolytic extraction
LT	(Rad) The result for this analyte is affected by spectral interference.
JN-	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected negative bias.
JN+	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected positive bias.
MDA	minimum detectable activity
MDL	method detection limit
Met	metals
mV	millivolt
n/a	not applicable
NQ	No validation qualifier flag is associated with this result, and the analyte is classified as detected.
PARA	Paragon Analytical Laboratory
R	rejected
RAD	radionuclides
STSL	Severn Trent St. Louis Analytical Laboratory
SVOA	semivolatile organic analysis
TPU	total propagated uncertainty
U	not detected
UF	unfiltered
UMTL	University of Miami Tritium Laboratory
VOA	volatile organic analysis
WG	groundwater
WM	snowmelt
WP	persistent water
WS	surface water

Table C-1 Previously Unreported Data

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Suite	Method	Analyte	Result	1-sigma TPU	Units	Request	Sample	Lab
Rio de los Frijoles at Bandelier	10/23/08	WS	UF	CS	Isotope	Deuterium Ratio	Deuterium Ratio	-78.71	—*	permil	09-165	CAAN-08-16450	EES6
Rio de los Frijoles at Bandelier	09/20/06	WP	UF	CS	Isotope	Deuterium Ratio	Deuterium Ratio	-79.22	0.18	permil	17806	EU060900P35001	EES6
Rio de los Frijoles at Bandelier	10/23/08	WS	UF	CS	Isotope	Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio	-10.92	—	permil	09-165	CAAN-08-16450	EES6
Rio de los Frijoles at Bandelier	09/20/06	WP	UF	CS	Isotope	Oxygen Isotope Ratio	Oxygen-18/Oxygen-16 Ratio	-11.61	0.04	permil	13147	EU060900P35001	EES6

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1562	542.5	09/26/01	WG	F	CS	_[a]	Geninorg	USGS-WRI-79-4	pH	—	6.5	—	—	—	SU	—	—	9907R	GW31-01-0002	HUFFMAN
R-31	1562	542.5	12/16/00	WG	F	CS	—	Geninorg	USGS-WRI-79-4	pH	—	6.7	—	—	—	SU	—	—	8149R	GW31-00-0008	HUFFMAN
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.2	—	—	7.30E-01	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.9	—	—	7.30E-01	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	7.30E-01	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.79	—	—	3.00E-02	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.56	—	—	3.00E-02	mg/L	EN	J+	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	3.00E-02	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	3.60E-02	mg/L	—	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.99	—	—	3.00E-02	mg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.66	—	—	3.00E-02	mg/L	EN	J+	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	3.00E-02	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.81	—	—	3.60E-02	mg/L	—	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.55	—	—	6.60E-02	mg/L	—	J	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.72	—	—	6.60E-02	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.404	—	—	3.30E-02	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.31	—	—	3.30E-02	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.233	—	—	3.30E-02	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35	—	—	3.50E-01	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	33.5	—	—	3.50E-01	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	29.8	—	—	4.30E-01	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.3	—	—	4.25E-01	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.4	—	—	4.40E-01	mg/L	—	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.3	—	—	3.50E-01	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.8	—	—	3.50E-01	mg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.6	—	—	4.30E-01	mg/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.3	—	—	4.25E-01	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.9	—	—	4.40E-01	mg/L	—	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.35	—	—	8.50E-02	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.19	—	—	8.50E-02	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.06	—	—	8.50E-02	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.33	—	—	8.50E-02	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.3	—	—	8.50E-02	mg/L	—	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.48	—	—	8.50E-02	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.15	—	—	8.50E-02	mg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.3	—	—	8.50E-02	mg/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.34	—	—	8.50E-02	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.28	—	—	8.50E-02	mg/L	—	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.377	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	UJ	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.356	—	—	5.00E-02	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.56	—	—	5.00E-02	mg/L	—	J	197215	GF07100G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.219	—	—	5.00E-02	µg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.242	—	—	5.00E-02	µg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.238	—	—	5.00E-02	µg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.28	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.69	—	—	5.00E-02	mg/L	—	J	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.88	—	—	5.00E-02	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.54	—	—	5.00E-02	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.42	—	—	5.00E-02	mg/L	—	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.38	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.68	—	—	5.00E-02	mg/L	—	J	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.36	—	—	5.00E-02	mg/L	—	—	08-1002	CAAN-08-11742	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.64	—	—	5.00E-02	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.23	—	—	5.00E-02	mg/L	—	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.61	—	—	4.50E-02	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.07	—	—	4.50E-02	mg/L	EN	J+	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	4.50E-02	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	4.50E-02	mg/L	—	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.68	—	—	4.50E-02	mg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	4.50E-02	mg/L	EN	J+	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	4.50E-02	mg/L	—	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	118	—	—	1.00E+00	µS/cm	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	121	—	—	1.00E+00	µS/cm	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	118	—	—	1.00E+00	µS/cm	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.49	—	—	1.00E-01	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.66	—	—	1.00E-01	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.58	—	—	1.00E-01	mg/L	—	J-	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	2.40E+00	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	2.40E+00	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.08	—	—	1.50E-02	mg/L	—	J-	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.058	—	—	2.40E-02	mg/L	—	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.036	—	—	2.40E-02	mg/L	J	U	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.034	—	—	2.40E-02	mg/L	J	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.5	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.7	—	—	1.00E+00	µg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.3	—	—	1.00E+00	µg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.1	—	—	1.00E+00	µg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.9	—	—	1.00E+00	µg/L	—	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.4	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.6	—	—	1.00E+00	µg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	µg/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.8	—	—	1.00E+00	µg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.7	—	—	1.00E+00	µg/L	—	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	1.50E+01	µg/L	J	J	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.00E+01	µg/L	J	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	22.2	—	—	1.00E+01	µg/L	J	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	13	—	—	1.00E+01	µg/L	J	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17	—	—	1.50E+01	µg/L	J	J	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	13.1	—	—	1.00E+01	µg/L	J	J	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	19.1	—	—	1.00E+01	µg/L	J	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	13.1	—	—	1.00E+01	µg/L	J	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.85	—	—	2.50E+00	µg/L	J	J	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.6	—	—	1.50E+00	µg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.9	—	—	2.50E+00	µg/L	J	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.2	—	—	1.00E+00	µg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3.9	—	—	1.00E+00	µg/L	—	U	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.77	—	—	2.50E+00	µg/L	J	J	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.1	—	—	1.50E+00	µg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.8	—	—	2.50E+00	µg/L	J	J	08-1002	CAAN-08-11742	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.7	—	—	1.00E+00	µg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	4.4	—	—	1.00E+00	µg/L	—	U	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.41	—	—	1.00E-01	µg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	3.5	—	—	2.00E+00	µg/L	J	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.00E-01	µg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	µg/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	3.2	—	—	2.00E+00	µg/L	J	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	2.4	—	—	2.00E+00	µg/L	J	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.5	—	—	5.30E-02	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.4	—	—	3.20E-02	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.8	—	—	3.20E-02	mg/L	E	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.6	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.8	—	—	1.00E+00	µg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	43.3	—	—	1.00E+00	µg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	1.00E+00	µg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00E+00	µg/L	—	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.8	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47	—	—	1.00E+00	µg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	µg/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	µg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	µg/L	—	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.217	—	—	5.00E-02	µg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.24	—	—	5.00E-02	µg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.23	—	—	5.00E-02	µg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.25	—	—	5.00E-02	µg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.21	—	—	5.00E-02	µg/L	*	J	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.219	—	—	5.00E-02	µg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.24	—	—	5.00E-02	µg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.24	—	—	5.00E-02	µg/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.23	—	—	5.00E-02	µg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.85	—	—	5.00E-02	µg/L	*	J	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.09	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.7	—	—	1.00E+00	µg/L	—	J	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.7	—	—	1.00E+00	µg/L	—	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6	—	—	1.00E+00	µg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.8	—	—	1.00E+00	µg/L	—	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.25	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.1	—	—	1.00E+00	µg/L	—	J	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.5	—	—	1.00E+00	µg/L	—	J	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	µg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	µg/L	—	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.64	—	—	3.30E+00	µg/L	J	J	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	3.2	—	—	2.00E+00	µg/L	J	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.1	—	—	2.00E+00	µg/L	J	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.3	—	—	2.00E+00	µg/L	J	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.8	—	—	2.00E+00	µg/L	J	—	186623	GF07050G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.8	—	—	3.30E+00	µg/L	J	J	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9	—	—	2.00E+00	µg/L	J	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.6	—	—	2.00E+00	µg/L	J	J	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.8	—	—	2.00E+00	µg/L	J	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	05/22/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.6	—	—	2.00E+00	µg/L	—	—	186623	GU07050G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.035	4.00E-03	2.70E-02	—	pCi/L	—	U	09-147	CAAN-08-16120	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00935	2.63E-03	3.26E-02	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00213	1.12E-03	2.12E-02	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00469	3.37E-03	3.60E-02	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000802	6.00E-04	3.50E-02	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0265	4.00E-03	3.00E-02	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000836	2.35E-03	3.15E-02	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0226	3.90E-03	2.81E-02	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000912	1.96E-03	3.00E-02	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.369	4.33E-01	4.30E+00	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.3	5.23E-01	3.82E+00	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.82	3.43E-01	4.22E+00	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.102	3.19E-01	3.48E+00	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.554	4.33E-01	4.10E+00	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.21	4.33E-01	4.00E+00	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.18	4.43E-01	4.57E+00	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.8	4.43E-01	4.57E+00	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.738	3.17E-01	3.47E+00	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.529	5.67E-01	5.60E+00	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.916	5.47E-01	5.11E+00	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.2	4.07E-01	3.58E+00	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.88	3.26E-01	3.93E+00	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.788	4.00E-01	4.10E+00	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.22	4.67E-01	3.90E+00	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.348	3.77E-01	3.79E+00	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.68	3.90E-01	4.15E+00	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.51	2.29E-01	3.35E+00	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.478	1.40E-01	1.50E+00	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	5	1.91E-01	9.90E-01	—	pCi/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.916	2.23E-01	2.25E+00	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	6.44	1.65E-01	1.45E+00	—	pCi/L	—	—	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.63	4.33E-01	3.60E+00	—	pCi/L	—	—	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.64	1.54E-01	9.16E-01	—	pCi/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.65	2.13E-01	2.01E+00	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5	4.33E-01	4.89E+00	—	pCi/L	—	J	144034	GU0508G31R401	GELC
R-31	1662	830.9	09/27/01	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	1.09	6.00E-02	5.80E-01	—	pCi/L	J	—	10S	GW31-01-0005	STSL
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	1.52	4.67E-01	3.20E+00	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	75.2	1.67E+01	2.51E+02	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	86.3	2.74E+01	2.98E+02	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	68.4	—	2.27E+02	—	pCi/L	U	J-, U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	70.6	6.33E+00	6.30E+01	—	pCi/L	—	—	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	11.3	4.67E+00	1.60E+01	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	56.9	1.60E+01	1.68E+02	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	88	2.20E+01	3.05E+02	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	90.7	3.57E+01	2.89E+02	—	pCi/L	U	J-, U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.76	3.33E+00	3.30E+01	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-20.6	2.97E+00	2.56E+01	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.328	3.43E+00	3.46E+01	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.56	2.15E+00	2.33E+01	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.47	4.33E+00	3.80E+01	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-25.2	2.97E+00	2.60E+01	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.13	2.69E+00	2.67E+01	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.44	2.82E+00	2.71E+01	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.87	2.39E+00	2.46E+01	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0051	1.27E-03	2.60E-02	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00161	1.61E-03	2.82E-02	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00569	1.42E-03	2.08E-02	—	pCi/L	U	U	177384	GF06110G31R401	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0145	3.60E-03	5.00E-02	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.013	1.90E-03	3.60E-02	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00186	1.63E-03	2.80E-02	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00312	1.65E-03	2.72E-02	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.49E-03	2.46E-02	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.024	5.50E-03	4.50E-02	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0051	1.27E-03	2.90E-02	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00161	5.40E-04	2.65E-02	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00379	8.93E-04	1.38E-02	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00242	2.67E-03	4.20E-02	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00433	1.77E-03	3.60E-02	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00557	1.07E-03	3.20E-02	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00624	1.28E-03	2.56E-02	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00672	3.08E-03	1.64E-02	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00655	3.63E-03	3.80E-02	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	10.4	5.33E+00	5.50E+01	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-18.8	6.97E+00	6.73E+01	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	50.2	4.37E+00	6.07E+01	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	37.1	4.30E+00	5.42E+01	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.25	5.00E+00	5.20E+01	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.85	5.33E+00	5.20E+01	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-38.5	4.63E+00	3.58E+01	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.17	4.43E+00	4.46E+01	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	29.8	6.57E+00	3.24E+01	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.61	4.33E-01	3.10E+00	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.282	4.53E-01	4.60E+00	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.311	3.83E-01	4.50E+00	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.519	3.33E-01	3.89E+00	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.94	4.67E-01	5.30E+00	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.76	4.67E-01	5.20E+00	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.706	4.60E-01	4.72E+00	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.236	3.73E-01	4.20E+00	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.577	2.71E-01	3.22E+00	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.076	4.00E-02	4.20E-01	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.15	4.33E-02	4.45E-01	—	pCi/L	U	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.335	3.12E-02	4.18E-01	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.025	1.76E-02	2.43E-01	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0477	4.67E-02	4.80E-01	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00832	2.50E-02	2.80E-01	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0245	4.30E-02	4.85E-01	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0461	3.90E-02	4.38E-01	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.133	2.25E-02	2.74E-01	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.00858	2.67E-03	7.30E-02	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.077	5.00E-03	9.20E-02	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.0048	1.73E-03	4.30E-02	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.192	7.33E-03	6.40E-02	—	pCi/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.168	7.40E-03	5.37E-02	—	pCi/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.157	8.17E-03	6.07E-02	—	pCi/L	—	J	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.145	7.13E-03	6.90E-02	—	pCi/L	—	J	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0601	1.00E-02	1.90E-01	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.171	6.67E-03	5.60E-02	—	pCi/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.103	5.90E-03	5.79E-02	—	pCi/L	—	J	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.156	7.13E-03	4.46E-02	—	pCi/L	—	—	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.148	7.33E-03	7.60E-02	—	pCi/L	—	J	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0201	2.27E-03	3.30E-02	—	pCi/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00461	2.18E-03	3.19E-02	—	pCi/L	U	U	197215	GF07100G31R401	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0106	2.64E-03	6.19E-02	—	pCi/L	U	U	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	1.67E-10	1.32E-03	5.20E-02	—	pCi/L	U	U	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	5.33E-03	9.60E-02	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00391	1.60E-03	2.90E-02	—	pCi/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0174	2.50E-03	3.44E-02	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.013	2.61E-03	4.55E-02	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0124	2.08E-03	5.80E-02	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0832	4.67E-03	3.50E-02	—	pCi/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0709	4.33E-03	3.58E-02	—	pCi/L	—	J	197215	GF07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0801	6.33E-03	4.30E-02	—	pCi/L	—	J	177384	GF06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0882	5.37E-03	4.90E-02	—	pCi/L	—	J	144034	GF0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0894	8.33E-03	1.20E-01	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.068	3.67E-03	3.10E-02	—	pCi/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0986	5.57E-03	3.86E-02	—	pCi/L	—	J	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0694	4.43E-03	3.16E-02	—	pCi/L	—	J	177384	GU06110G31R401	GELC
R-31	1662	830.9	08/23/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.103	5.83E-03	5.40E-02	—	pCi/L	—	J	144034	GU0508G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.48	—	—	3.00E-01	µg/L	J	J	10-237	CAAN-09-14346	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1002	CAAN-08-11742	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.995	—	—	7.30E-01	mg/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.11	—	—	7.30E-01	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.782	—	—	7.25E-01	mg/L	J	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1.45	—	—	1.45E+00	mg/L	U	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.885	—	—	7.25E-01	mg/L	J	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47.7	—	—	7.30E-01	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.9	—	—	7.30E-01	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.4	—	—	7.25E-01	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.6	—	—	1.45E+00	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.9	—	—	7.25E-01	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.64	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.47	—	—	3.00E-02	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.95	—	—	3.60E-02	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.38	—	—	3.60E-02	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	6.88	—	—	—	mg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.2	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.4	—	—	3.00E-02	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.71	—	—	3.60E-02	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.67	—	—	3.60E-02	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.27	—	—	6.60E-02	mg/L	—	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.49	—	—	6.60E-02	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.52	—	—	6.60E-02	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.32	—	—	5.30E-02	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	1.5	—	—	6.60E-02	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.369	—	—	3.30E-02	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.269	—	—	3.30E-02	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.182	—	—	3.30E-02	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.163	—	—	3.00E-02	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.178	—	—	3.30E-02	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	31.3	—	—	3.50E-01	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	30.8	—	—	3.50E-01	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	33	—	—	8.50E-02	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	33.4	—	—	8.50E-02	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.6	—	—	3.50E-01	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	30.8	—	—	3.50E-01	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.2	—	—	8.50E-02	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	34.7	—	—	8.50E-02	mg/L	—	—	144084	GU0508G31R501	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.36	—	—	8.50E-02	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.34	—	—	8.50E-02	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.6	—	—	8.50E-02	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.43	—	—	8.50E-02	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.56	—	—	—	mg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.59	—	—	8.50E-02	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.38	—	—	8.50E-02	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.54	—	—	8.50E-02	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.57	—	—	8.50E-02	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.339	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.325	—	—	5.00E-02	mg/L	—	J	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.27	—	—	1.40E-02	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.158	—	—	1.70E-02	mg/L	—	J-	144084	GF0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.233	—	—	1.40E-02	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.197	—	—	5.00E-02	µg/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.257	—	—	5.00E-02	µg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	µg/L	U	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.219	—	—	5.00E-02	µg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	<	0.192	—	—	5.00E-02	µg/L	HJ	U, J	144084	GF0508G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	µg/L	U	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.66	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.99	—	—	5.00E-02	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.05	—	—	5.00E-02	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.8	—	—	5.00E-02	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.568	—	—	—	mg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.87	—	—	5.00E-02	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.83	—	—	5.00E-02	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.96	—	—	5.00E-02	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.92	—	—	5.00E-02	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	88.5	—	—	3.20E-02	mg/L	—	J	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	71.9	—	—	3.20E-02	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	86.1	—	—	3.20E-02	mg/L	—	J	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	77.6	—	—	3.20E-02	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	2.66	—	—	—	mg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	105	—	—	1.00E+00	µS/cm	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	116	—	—	1.00E+00	µS/cm	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	118	—	—	1.00E+00	µS/cm	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	117	—	—	1.00E+00	µS/cm	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.21	—	—	1.00E-01	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.32	—	—	1.00E-01	mg/L	—	J	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.28	—	—	1.00E-01	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.23	—	—	5.70E-02	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.26	—	—	1.00E-01	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	115	—	—	2.40E+00	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	118	—	—	2.38E+00	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148	—	—	2.38E+00	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.38E+00	mg/L	—	—	144084	GF0508G31R501	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.045	—	—	1.50E-02	mg/L	J	J-	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.043	—	—	2.40E-02	mg/L	J	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.066	—	—	1.00E-02	mg/L	—	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.039	—	—	1.00E-02	mg/L	J	JN-	144084	GF0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.089	—	—	1.00E-02	mg/L	—	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.42	—	—	1.00E-02	SU	H	J-	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.43	—	—	1.00E-02	SU	H	J-	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	8.34	—	—	1.00E-02	SU	H	J	177502	GU06110G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.5	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28	—	—	1.00E+00	µg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.3	—	—	1.00E+00	µg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.2	—	—	1.00E+00	µg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.4	—	—	—	µg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	µg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	µg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.3	—	—	1.00E+00	µg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	µg/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	14.1	—	—	1.00E+01	µg/L	J	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	36.7	—	—	1.00E+01	µg/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	221	—	—	—	µg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	µg/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.8	—	—	1.00E+01	µg/L	J	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.4	—	—	1.00E+01	µg/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.09	—	—	2.50E+00	µg/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.6	—	—	1.50E+00	µg/L	J	J	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.9	—	—	1.00E+00	µg/L	J	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	1.7	—	—	1.00E+00	µg/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6010B	Chromium	<	1.09	—	—	—	µg/L	B	J	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.99	—	—	2.50E+00	µg/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.4	—	—	1.50E+00	µg/L	J	J	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.8	—	—	1.00E+00	µg/L	J	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	1.9	—	—	1.00E+00	µg/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	µg/L	U	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.7	—	—	2.00E+00	µg/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6020	Manganese	—	27.1	—	—	—	µg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.72	—	—	2.00E+00	µg/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.7	—	—	2.00E+00	µg/L	J	J	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	µg/L	U	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.4	—	—	2.00E+00	µg/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.969	—	—	1.00E-01	µg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	4	—	—	2.00E+00	µg/L	J	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.54	—	—	—	µg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.987	—	—	1.00E-01	µg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.663	—	—	5.00E-01	µg/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.62	—	—	5.00E-01	µg/L	J	J	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.68	—	—	5.00E-01	µg/L	J	—	177502	GF06110G31R501	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.72	—	—	5.00E-01	µg/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6010B	Nickel	<	1.26	—	—	—	µg/L	U	U	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.616	—	—	5.00E-01	µg/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.73	—	—	5.00E-01	µg/L	J	J	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.51	—	—	5.00E-01	µg/L	J	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.72	—	—	5.00E-01	µg/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.5	—	—	5.30E-02	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.8	—	—	3.20E-02	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	43.7	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	43.3	—	—	1.00E+00	µg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.7	—	—	1.00E+00	µg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.2	—	—	1.00E+00	µg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.4	—	—	—	µg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.2	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	43.9	—	—	1.00E+00	µg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1.00E+00	µg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.4	—	—	1.00E+00	µg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.091	—	—	5.00E-02	µg/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.12	—	—	5.00E-02	µg/L	J	J	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.12	—	—	5.00E-02	µg/L	J	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	µg/L	—	U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	1.00E-02	µg/L	U	U	21S	GW31-01-0008	GEL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.095	—	—	5.00E-02	µg/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.12	—	—	5.00E-02	µg/L	J	J	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.074	—	—	5.00E-02	µg/L	J	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	µg/L	J	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7	—	—	1.00E+00	µg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7	—	—	1.00E+00	µg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.7	—	—	1.00E+00	µg/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	0.48	—	—	—	µg/L	U	U	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.22	—	—	1.00E+00	µg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	µg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	µg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.9	—	—	1.00E+00	µg/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.82	—	—	3.30E+00	µg/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	19.6	—	—	2.00E+00	µg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.1	—	—	2.00E+00	µg/L	J	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	489	—	—	2.00E+00	µg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	1730	—	—	—	µg/L	—	—	18S	GW31-01-0008	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.49	—	—	3.30E+00	µg/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	85.6	—	—	2.00E+00	µg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	8.1	—	—	2.00E+00	µg/L	J	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	302	—	—	2.00E+00	µg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	4.33E-03	3.30E-02	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00185	1.70E-03	3.09E-02	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00662	1.38E-03	3.30E-02	—	pCi/L	U	U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	Gamma Spec	Americium-241	<	-4.69	2.00E+00	1.95E+01	—	pCi/L	U	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.02	3.17E-03	1.00E-02	—	pCi/L	J	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00237	6.67E-04	3.30E-02	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00347	5.67E-03	4.10E-02	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00153	1.50E-03	2.18E-02	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00863	2.09E-03	3.20E-02	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0928	4.67E-01	4.40E+00	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.869	3.83E-01	3.43E+00	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.81	3.37E-01	3.91E+00	—	pCi/L	U	U	144084	GF0508G31R501	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	Gamma Spec	Cesium-137	<	1.05	5.17E-01	5.84E+00	—	pCi/L	U	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.473	4.67E-01	4.70E+00	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.381	4.33E-01	4.30E+00	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.67	4.27E-01	3.32E+00	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.03	4.30E-01	4.28E+00	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.26	4.00E-01	3.90E+00	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	3	4.60E-01	5.19E+00	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	3	4.20E-01	5.15E+00	—	pCi/L	U	U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	Gamma Spec	Cobalt-60	<	0.11	6.17E-01	6.80E+00	—	pCi/L	U	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.56	5.00E-01	5.20E+00	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.294	4.00E-01	3.90E+00	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0217	3.70E-01	3.61E+00	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.735	4.00E-01	4.77E+00	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.112	2.30E-01	2.60E+00	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	12.1	5.27E-01	3.51E+00	—	pCi/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.35	1.39E-01	1.44E+00	—	pCi/L	—	J	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.84	3.20E-01	2.90E+00	—	pCi/L	—	—	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.15	2.54E-01	2.27E+00	—	pCi/L	—	J	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.47	2.20E-01	2.58E+00	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	1.24	5.33E-02	5.10E-01	—	pCi/L	J	—	22S	GW31-01-0007	STSL
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	24.6	7.67E+00	3.90E+01	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.1	1.61E+01	2.12E+02	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	114	7.10E+01	4.26E+02	—	pCi/L	U	J-, U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	59.5	1.00E+01	7.50E+01	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18.6	4.67E+00	3.10E+01	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	56.4	1.80E+01	2.21E+02	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	77.4	2.43E+01	3.41E+02	—	pCi/L	U	U, J-	144084	GU0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	95.7	2.33E+00	6.55E+00	—	pCi/L	U	—	22S	GW31-01-0007	STSL
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.88	3.10E+00	3.10E+01	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.8	3.40E+00	3.22E+01	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.63	1.73E+00	1.61E+01	—	pCi/L	U	U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.3	3.67E+00	3.60E+01	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.16	3.07E+00	2.90E+01	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	15.5	2.26E+00	2.55E+01	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.337	1.72E+00	1.73E+01	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	12/15/00	WG	UF	CS	—	Rad	Gamma Spec	Neptunium-237	<	7	2.83E+00	1.40E+01	—	pCi/L	U	U	8153R	GW31-00-0009	PARA
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.002	2.40E-03	3.00E-02	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	9.17E-04	3.02E-02	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00816	3.47E-03	4.23E-02	—	pCi/L	U	U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.35E-03	8.93E-03	—	pCi/L	U	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00419	1.00E-03	3.40E-02	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00404	2.53E-03	3.10E-02	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0128	4.27E-03	3.50E-02	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0141	3.37E-03	4.17E-02	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.012	2.10E-03	3.40E-02	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0358	4.60E-03	2.01E-02	—	pCi/L	U	R	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00408	2.88E-03	3.57E-02	—	pCi/L	U	U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00987	1.83E-03	8.92E-03	—	pCi/L	J	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00418	1.40E-03	3.40E-02	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00202	1.17E-03	3.50E-02	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0127	2.61E-03	2.33E-02	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.012	2.84E-03	3.52E-02	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	42.2	7.00E+00	3.30E+01	—	pCi/L	UI	R	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	7.98	4.80E+00	3.50E+01	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	44.8	6.33E+00	2.97E+01	—	pCi/L	UI	R	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	Gamma Spec	Potassium-40	<	-22.5	1.08E+01	1.39E+02	—	pCi/L	U	U	22S	GW31-01-0008	STSL

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.3	4.67E+00	4.70E+01	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.6	5.33E+00	5.60E+01	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.7	4.83E+00	4.37E+01	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.1	4.57E+00	3.95E+01	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.18	4.00E-01	3.90E+00	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.29	3.63E-01	3.47E+00	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.59	4.23E-01	3.47E+00	—	pCi/L	U	U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.59	5.00E-01	5.30E+00	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.324	4.00E-01	4.20E+00	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.334	4.03E-01	4.02E+00	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.928	4.30E-01	4.41E+00	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	12/15/00	WG	UF	CS	—	Rad	Gamma Spec	Sodium-22	<	0.4	4.83E-01	2.40E+00	—	pCi/L	U	U	8153R	GW31-00-0009	PARA
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.119	4.33E-02	4.70E-01	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0224	3.47E-02	3.81E-01	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0568	1.80E-02	2.55E-01	—	pCi/L	U	U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.09	3.33E-02	3.80E-01	—	pCi/L	U	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0189	3.03E-02	3.10E-01	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.179	2.63E-02	4.20E-01	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0792	3.50E-02	3.77E-01	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0326	1.79E-02	2.49E-01	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.0238	4.33E-03	7.00E-02	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0558	4.33E-03	8.90E-02	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	-0.000479	1.20E-03	4.20E-02	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.107	5.00E-03	5.80E-02	—	pCi/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.102	6.40E-03	5.44E-02	—	pCi/L	—	J	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.115	5.60E-03	6.48E-02	—	pCi/L	—	J	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0036	1.20E-03	9.75E-03	—	pCi/L	U	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.086	9.00E-03	2.50E-01	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0813	5.33E-03	6.10E-02	—	pCi/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0907	6.20E-03	5.83E-02	—	pCi/L	—	J	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0965	5.03E-03	6.54E-02	—	pCi/L	—	J	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0162	1.93E-03	3.00E-02	—	pCi/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00633	2.59E-03	5.55E-02	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0184	2.64E-03	4.88E-02	—	pCi/L	U	U	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0036	1.20E-03	9.75E-03	—	pCi/L	U	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	4.00E-03	1.20E-01	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0192	3.13E-03	3.20E-02	—	pCi/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00679	2.27E-03	5.95E-02	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0053	2.80E-03	4.92E-02	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0558	3.33E-03	3.20E-02	—	pCi/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0256	4.53E-03	3.85E-02	—	pCi/L	U	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.051	3.70E-03	4.59E-02	—	pCi/L	—	J	144084	GF0508G31R501	GELC
R-31	1712	1011.3	09/28/01	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.01	2.50E-03	2.00E-02	—	pCi/L	U	U	22S	GW31-01-0008	STSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0616	9.00E-03	1.50E-01	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0484	3.67E-03	3.40E-02	—	pCi/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.022	4.30E-03	4.13E-02	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0472	3.87E-03	4.63E-02	—	pCi/L	—	J	144084	GU0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.39	—	—	3.00E-01	µg/L	J	J	10-237	CAAN-09-14352	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	—	177502	GU06110G31R501	GELC
Rio de los Frijoles at Bandelier	n/a[b]	n/a	10/21/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.2	—	—	7.30E-01	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.8	—	—	7.30E-01	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	32.3	—	—	7.30E-01	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	48.3	—	—	7.25E-01	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.1	—	—	7.25E-01	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.3	—	—	7.25E-01	mg/L	—	—	172455	GU060900P35001	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.73	—	—	5.00E-02	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.23	—	—	3.00E-02	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.01	—	—	3.00E-02	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.84	—	—	3.00E-02	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	3.60E-02	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.94	—	—	5.00E-02	mg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.3	—	—	3.00E-02	mg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.25	—	—	3.00E-02	mg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.92	—	—	3.00E-02	mg/L	—	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	3.60E-02	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.68	—	—	6.60E-02	mg/L	—	J	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.95	—	—	6.60E-02	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.97	—	—	6.60E-02	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.39	—	—	6.60E-02	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.55	—	—	6.60E-02	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	5.5	—	—	6.60E-02	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.339	—	—	3.30E-02	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.225	—	—	3.30E-02	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.144	—	—	3.30E-02	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.27	—	—	3.30E-02	mg/L	—	J+	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.266	—	—	3.30E-02	mg/L	—	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.355	—	—	3.30E-02	mg/L	—	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	34.2	—	—	3.50E-01	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.4	—	—	3.50E-01	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.8	—	—	4.30E-01	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	SM:A2340B	Hardness	—	34.4	—	—	4.25E-01	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.5	—	—	8.50E-02	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35	—	—	3.50E-01	mg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.9	—	—	3.50E-01	mg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.7	—	—	4.30E-01	mg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	34.6	—	—	4.25E-01	mg/L	—	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	8.50E-02	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.01	—	—	8.50E-02	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.99	—	—	8.50E-02	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.1	—	—	8.50E-02	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.99	—	—	8.50E-02	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	8.50E-02	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.07	—	—	8.50E-02	mg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.07	—	—	8.50E-02	mg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.17	—	—	8.50E-02	mg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.98	—	—	8.50E-02	mg/L	—	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.37	—	—	8.50E-02	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.124	—	—	5.00E-02	µg/L	J	J	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.098	—	—	5.00E-02	µg/L	J	J	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.224	—	—	5.00E-02	µg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.101	—	—	5.00E-02	µg/L	J	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	µg/L	U	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	SW846 6850	Perchlorate	<	0.05	—	—	5.00E-02	µg/L	U	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.5	—	—	5.00E-02	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	5.00E-02	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.3	—	—	5.00E-02	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.1	—	—	5.00E-02	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.11	—	—	5.00E-02	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.6	—	—	5.00E-02	mg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.4	—	—	5.00E-02	mg/L	—	—	08-956	CAAN-08-11752	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.1	—	—	5.00E-02	mg/L	—	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	63.4	—	—	3.20E-02	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	63.6	—	—	3.20E-02	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	68.9	—	—	3.20E-02	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.51	—	—	4.50E-02	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	4.50E-02	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.82	—	—	4.50E-02	mg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	118	—	—	1.00E+00	µS/cm	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	127	—	—	1.00E+00	µS/cm	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	111	—	—	1.00E+00	µS/cm	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	124	—	—	1.00E+00	µS/cm	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	146	—	—	1.00E+00	µS/cm	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	174	—	—	1.00E+00	µS/cm	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.58	—	—	1.00E-01	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2	—	—	1.00E-01	mg/L	—	J	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.11	—	—	1.00E-01	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2	—	—	1.00E-01	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.85	—	—	1.00E-01	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	10	—	—	1.00E-01	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	10.4	—	—	1.10E+00	mg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	10.4	—	—	2.30E+00	mg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	27.6	—	—	2.30E+00	mg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	2.28	—	—	2.28E+00	mg/L	U	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	73.5	—	—	1.43E+00	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	119	—	—	2.40E+00	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	124	—	—	2.40E+00	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.38E+00	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.38E+00	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.38E+00	mg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.77	—	—	3.30E-01	mg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.36	—	—	3.30E-01	mg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.37	—	—	3.30E-01	mg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.36	—	—	3.30E-01	mg/L	—	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.6	—	—	3.30E-01	mg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.055	—	—	1.50E-02	mg/L	—	J-	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.063	—	—	2.40E-02	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.126	—	—	2.40E-02	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.051	—	—	2.40E-02	mg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.065	—	—	1.00E-02	mg/L	—	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.088	—	—	1.00E-02	mg/L	—	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.7	—	—	1.00E-02	SU	H	J-	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Geninorg	EPA:150.1	pH	—	8.12	—	—	1.00E-02	SU	H	J	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	114	—	—	6.80E+01	µg/L	J	J	10-224	CAAN-09-14359	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	68.4	—	—	6.80E+01	µg/L	J	J	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	4840	—	—	6.80E+01	µg/L	E	J	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Metals	SW-846:6010B	Aluminum	—	73.2	—	—	6.80E+01	µg/L	J	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	µg/L	U	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	263	—	—	6.80E+01	µg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	369	—	—	6.80E+01	µg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	4920	—	—	6.80E+01	µg/L	E	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	121	—	—	6.80E+01	µg/L	J	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	2520	—	—	6.80E+01	µg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	12.8	—	—	1.00E+00	µg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	15.1	—	—	1.00E+00	µg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	31.5	—	—	1.00E+00	µg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Metals	SW-846:6010B	Barium	—	15.1	—	—	1.00E+00	µg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Metals	SW-846:6010B	Barium	—	20.4	—	—	1.00E+00	µg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.9	—	—	1.00E+00	µg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	17.4	—	—	1.00E+00	µg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.1	—	—	1.00E+00	µg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	µg/L	—	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Metals	SW-846:6010B	Barium	—	54.4	—	—	1.00E+00	µg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	µg/L	J	J	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Metals	SW-846:6010B	Boron	—	14.8	—	—	1.00E+01	µg/L	J	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Metals	SW-846:6010B	Boron	—	11.1	—	—	1.00E+01	µg/L	J	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.3	—	—	1.50E+01	µg/L	J	J	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Metals	SW-846:6010B	Boron	—	12	—	—	1.00E+01	µg/L	J	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Metals	SW-846:6010B	Boron	—	13.6	—	—	1.00E+01	µg/L	J	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	160	—	—	3.00E+01	µg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	84.1	—	—	2.50E+01	µg/L	J	J	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	1970	—	—	2.50E+01	µg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Metals	SW-846:6010B	Iron	—	49.4	—	—	2.50E+01	µg/L	J	JN-	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Metals	SW-846:6010B	Iron	—	189	—	—	1.80E+01	µg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	290	—	—	3.00E+01	µg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	239	—	—	2.50E+01	µg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	2050	—	—	2.50E+01	µg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Metals	SW-846:6010B	Iron	—	70.5	—	—	2.50E+01	µg/L	J	JN-	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Metals	SW-846:6010B	Iron	—	1770	—	—	1.80E+01	µg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	25.8	—	—	2.00E+00	µg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	13.5	—	—	2.00E+00	µg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	18.5	—	—	2.00E+00	µg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.4	—	—	2.00E+00	µg/L	J	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Metals	SW-846:6010B	Manganese	—	11	—	—	2.00E+00	µg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	39.1	—	—	2.00E+00	µg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	23.9	—	—	2.00E+00	µg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	35.6	—	—	2.00E+00	µg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.4	—	—	2.00E+00	µg/L	—	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Metals	SW-846:6010B	Manganese	—	85.7	—	—	2.00E+00	µg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	µg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	µg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.56	—	—	1.00E-01	µg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2.3	—	—	2.00E+00	µg/L	J	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	µg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-166	CAAN-08-16450	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.54	—	—	1.00E-01	µg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.6	—	—	5.30E-02	mg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62	—	—	3.20E-02	mg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.5	—	—	3.20E-02	mg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.2	—	—	1.00E+00	µg/L	—	—	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.5	—	—	1.00E+00	µg/L	—	—	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	µg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.4	—	—	1.00E+00	µg/L	—	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Metals	SW-846:6010B	Strontium	—	73.5	—	—	1.00E+00	µg/L	—	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.1	—	—	1.00E+00	µg/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.8	—	—	1.00E+00	µg/L	—	—	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.4	—	—	1.00E+00	µg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.7	—	—	1.00E+00	µg/L	—	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00E+00	µg/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.6	—	—	1.00E+00	µg/L	J	J	10-224	CAAN-09-14359	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.9	—	—	1.00E+00	µg/L	J	J	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.1	—	—	1.00E+00	µg/L	—	—	08-956	CAAN-08-11751	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.5	—	—	1.00E+00	µg/L	J	—	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.8	—	—	1.00E+00	µg/L	J	—	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.96	—	—	1.00E+00	µg/L	J	J	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.1	—	—	1.00E+00	µg/L	J	J	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	04/08/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.3	—	—	1.00E+00	µg/L	—	—	08-956	CAAN-08-11752	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.6	—	—	1.00E+00	µg/L	J	—	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.8	—	—	1.00E+00	µg/L	J	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00339	1.50E-03	3.50E-02	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00116	7.93E-04	3.15E-02	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00428	3.43E-03	3.55E-02	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.0221	5.93E-03	4.50E-02	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0117	1.83E-03	4.90E-02	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.011	1.93E-03	2.90E-02	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00915	1.50E-03	3.16E-02	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00532	1.49E-03	4.39E-02	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0116	4.77E-03	4.60E-02	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.965	5.00E-01	4.30E+00	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0149	4.57E-01	4.43E+00	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.586	3.07E-01	3.06E+00	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.5	2.23E-01	2.56E+00	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.73	5.33E-01	5.20E+00	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.21	4.67E-01	4.40E+00	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.3	4.37E-01	3.97E+00	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0182	4.20E-01	4.47E+00	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.993	2.47E-01	2.77E+00	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.633	4.00E-01	4.20E+00	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.625	4.73E-01	4.42E+00	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.47	3.20E-01	3.33E+00	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.6	2.48E-01	2.96E+00	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.289	5.00E-01	4.90E+00	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.01	5.00E-01	5.40E+00	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.79	4.83E-01	5.34E+00	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.22	4.73E-01	4.95E+00	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.491	2.44E-01	2.56E+00	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.15	3.17E-01	2.60E+00	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	EPA:900	Gross beta	<	1.41	2.59E-01	2.49E+00	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	EPA:900	Gross beta	—	3.3	3.32E-01	2.99E+00	—	pCi/L	—	J	172455	GF060900P35001	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	3.01	2.35E-01	2.44E+00	—	pCi/L	—	J+	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	<	1.18	2.73E-01	2.70E+00	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	EPA:900	Gross beta	<	1.91	2.75E-01	2.51E+00	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	5.97	4.03E-01	3.46E+00	—	pCi/L	—	J	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	2.92	2.40E-01	2.56E+00	—	pCi/L	—	J+	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/14/04	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	3.32	2.57E-01	2.81E+00	—	pCi/L	—	J	115040	GU04060W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/14/04	WS	UF	DUP	—	Rad	EPA:900	Gross beta	—	4.25	2.00E-01	1.96E+00	—	pCi/L	—	—	115040	GU04060W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	25.3	1.37E+01	4.60E+01	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	EPA:901.1	Gross gamma	<	89.2	1.93E+01	2.53E+02	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	EPA:901.1	Gross gamma	<	92.2	2.27E+01	3.31E+02	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	57.6	2.17E+01	1.81E+02	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18.3	3.07E+00	3.60E+01	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	8.34	9.00E+00	2.10E+01	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	52	2.10E+01	1.83E+02	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	112	3.18E+01	3.30E+02	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	54.7	2.33E+01	2.14E+02	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.591	3.27E+00	3.20E+01	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.2	3.40E+00	3.32E+01	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.7	2.61E+00	2.31E+01	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.62	1.86E+00	1.87E+01	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.8	3.33E+00	3.20E+01	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.87	4.00E+00	3.60E+01	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.78	3.43E+00	3.10E+01	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.6	2.92E+00	3.09E+01	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.2	1.84E+00	1.70E+01	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00163	1.43E-03	2.40E-02	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0172	2.50E-03	3.76E-02	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0052	1.73E-03	2.50E-02	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0216	6.23E-03	5.60E-02	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0127	2.80E-03	4.20E-02	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00186	2.70E-03	2.70E-02	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00331	1.56E-03	5.77E-02	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00207	9.77E-04	1.99E-02	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0107	4.17E-03	5.50E-02	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00326	1.10E-03	2.80E-02	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0151	2.17E-03	3.53E-02	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0026	1.50E-03	2.91E-02	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0081	1.56E-03	4.70E-02	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.07E-03	4.20E-02	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00559	1.63E-03	3.20E-02	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00661	3.12E-03	5.42E-02	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0186	2.30E-03	2.32E-02	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00267	2.95E-03	4.70E-02	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-46.2	6.33E+00	5.60E+01	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-29.1	5.77E+00	4.81E+01	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	EPA:901.1	Potassium-40	<	9.44	4.67E+00	4.55E+01	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	2.49	4.97E+00	2.62E+01	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.79	6.67E+00	6.40E+01	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.88	5.00E+00	4.60E+01	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.07	5.33E+00	4.79E+01	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	59.6	4.90E+00	6.63E+01	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	43.2	3.17E+00	3.98E+01	—	pCi/L	UI	R	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.482	3.67E-01	3.50E+00	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.77	3.90E-01	4.52E+00	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.418	3.43E-01	3.24E+00	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.87	2.48E-01	2.29E+00	—	pCi/L	U	U	139766	GF05060P35001	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.283	5.00E-01	4.70E+00	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.91	4.33E-01	4.80E+00	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.585	4.10E-01	4.28E+00	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.26	4.07E-01	4.54E+00	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.149	2.56E-01	2.76E+00	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.284	4.00E-02	3.50E-01	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0177	3.14E-02	3.61E-01	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0172	2.15E-02	2.43E-01	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0581	1.76E-02	2.38E-01	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0402	3.67E-02	3.70E-01	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.24	4.67E-02	4.60E-01	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.157	4.37E-02	4.49E-01	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.141	3.24E-02	3.27E-01	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0916	2.08E-02	2.52E-01	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	HASL-300	Thorium-228	—	0.481	1.77E-02	8.50E-02	—	pCi/L	—	—	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/14/04	WS	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0656	6.50E-03	9.20E-02	—	pCi/L	U	U	115040	GU04060W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/14/04	WS	UF	DUP	—	Rad	Alpha Spec	Thorium-228	<	0.0699	5.77E-03	7.70E-02	—	pCi/L	U	—	115040	GU04060W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	12/17/03	WS	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0528	5.67E-03	1.00E-01	—	pCi/L	U	U	104142	GU03120W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	08/04/03	WS	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0399	6.03E-03	1.05E-01	—	pCi/L	U	U	85564	GU03070W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/03/02	WS	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0448	9.93E-03	2.67E-01	—	pCi/L	U	U	68257	GU02100W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0225	3.67E-03	1.10E-01	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/14/04	WS	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0965	5.53E-03	1.71E-01	—	pCi/L	U	U	115040	GU04060W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/14/04	WS	UF	DUP	—	Rad	Alpha Spec	Thorium-230	<	0.0855	4.73E-03	1.44E-01	—	pCi/L	U	—	115040	GU04060W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	12/17/03	WS	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.136	7.10E-03	1.86E-01	—	pCi/L	U	U	104142	GU03120W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	08/04/03	WS	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.152	7.80E-03	1.65E-01	—	pCi/L	U	U	85564	GU03070W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/03/02	WS	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0194	5.17E-03	2.83E-01	—	pCi/L	U	U	68257	GU02100W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.0201	2.97E-03	4.80E-02	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/14/04	WS	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0246	3.29E-03	4.20E-02	—	pCi/L	U	U	115040	GU04060W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/14/04	WS	UF	DUP	—	Rad	Alpha Spec	Thorium-232	—	0.0393	3.13E-03	3.60E-02	—	pCi/L	—	—	115040	GU04060W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	12/17/03	WS	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0213	2.93E-03	4.60E-02	—	pCi/L	U	U	104142	GU03120W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	08/04/03	WS	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.00725	2.24E-03	4.80E-02	—	pCi/L	U	U	85564	GU03070W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/03/02	WS	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	2.89E-10	2.29E-03	8.60E-02	—	pCi/L	U	U	68257	GU02100W35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	<	0.036	6.00E-03	1.60E-01	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0326	3.93E-03	6.26E-02	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	HASL-300	Uranium-234	—	0.119	7.03E-03	5.07E-02	—	pCi/L	—	J	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0995	6.47E-03	9.20E-02	—	pCi/L	—	J	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0542	3.67E-03	6.00E-02	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0377	6.33E-03	1.60E-01	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0323	3.80E-03	6.64E-02	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.333	1.18E-02	4.70E-02	—	pCi/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0799	5.70E-03	9.70E-02	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	2.63E-03	8.30E-02	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00269	2.00E-03	3.72E-02	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.015	3.33E-03	4.27E-02	—	pCi/L	U	U	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0302	3.80E-03	5.60E-02	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00415	1.70E-03	3.00E-02	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00582	3.33E-03	8.70E-02	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00285	1.65E-03	3.94E-02	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00835	3.83E-03	3.96E-02	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00321	1.85E-03	6.00E-02	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	<	-4.29E-09	6.00E-03	8.30E-02	—	pCi/L	U	U	09-166	CAAN-08-16448	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0239	2.84E-03	4.18E-02	—	pCi/L	U	U	196890	GF071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0704	5.93E-03	5.39E-02	—	pCi/L	—	J	172455	GF060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0422	4.53E-03	6.50E-02	—	pCi/L	U	U	139766	GF05060P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/21/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0235	2.30E-03	3.60E-02	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	10/23/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0471	6.00E-03	8.70E-02	—	pCi/L	U	U	09-166	CAAN-08-16450	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Rio de los Frijoles at Bandelier	n/a	n/a	10/31/07	WP	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0323	3.12E-03	4.43E-02	—	pCi/L	U	U	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	09/20/06	WP	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.189	8.87E-03	4.99E-02	—	pCi/L	—	—	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	n/a	n/a	06/29/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.048	4.70E-03	6.90E-02	—	pCi/L	U	U	139766	GU05060P35001	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.2	—	—	7.30E-01	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	7.30E-01	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.6	—	—	7.30E-01	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.1	—	—	7.25E-01	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.6	—	—	7.25E-01	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	3.00E-02	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	3.00E-02	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	3.00E-02	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	3.60E-02	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	3.00E-02	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	3.00E-02	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	3.00E-02	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	3.60E-02	mg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.54	—	—	6.60E-02	mg/L	—	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.65	—	—	6.60E-02	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.61	—	—	6.60E-02	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.55	—	—	6.60E-02	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.62	—	—	6.60E-02	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.409	—	—	3.30E-02	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.257	—	—	3.30E-02	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.274	—	—	3.30E-02	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.367	—	—	3.30E-02	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.266	—	—	3.30E-02	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.7	—	—	3.50E-01	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.7	—	—	3.50E-01	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43	—	—	4.30E-01	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.4	—	—	4.25E-01	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.6	—	—	4.40E-01	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.8	—	—	3.50E-01	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.8	—	—	3.50E-01	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.6	—	—	4.30E-01	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.7	—	—	4.25E-01	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.4	—	—	4.40E-01	mg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	8.50E-02	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.26	—	—	8.50E-02	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	8.50E-02	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.78	—	—	8.50E-02	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	8.50E-02	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.22	—	—	8.50E-02	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.282	—	—	5.00E-02	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0534	—	—	1.00E-02	mg/L	—	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.254	—	—	5.00E-02	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.046	—	—	1.00E-02	mg/L	J	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.24	—	—	1.00E-02	mg/L	—	J-	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.181	—	—	5.00E-02	µg/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.197	—	—	5.00E-02	µg/L	J	J	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.185	—	—	5.00E-02	µg/L	J	J	08-1006	CAAN-08-11737	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.177	—	—	5.00E-02	µg/L	J	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	µg/L	U	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.177	—	—	5.00E-02	µg/L	J	J-	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	5.00E-02	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	5.00E-02	mg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	62.8	—	—	3.20E-02	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	64.3	—	—	3.20E-02	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	4.50E-02	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	4.50E-02	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	4.50E-02	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	4.50E-02	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	4.50E-02	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	4.50E-02	mg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	137	—	—	1.00E+00	µS/cm	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	128	—	—	1.00E+00	µS/cm	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	µS/cm	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	µS/cm	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	µS/cm	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.44	—	—	1.00E-01	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.58	—	—	1.00E-01	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.42	—	—	1.00E-01	mg/L	—	J-	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.5	—	—	1.00E-01	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.51	—	—	1.00E-01	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	116	—	—	2.40E+00	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	120	—	—	2.40E+00	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.40E+00	mg/L	—	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.38E+00	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.38E+00	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.042	—	—	1.50E-02	mg/L	J	J-	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.056	—	—	2.40E-02	mg/L	—	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.034	—	—	2.40E-02	mg/L	J	U	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.044	—	—	2.40E-02	mg/L	J	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.079	—	—	2.40E-02	mg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.22	—	—	1.00E-02	SU	H	J-	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.36	—	—	1.00E-02	SU	H	J-	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.39	—	—	1.00E-02	SU	H	J	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.22	—	—	1.00E-02	SU	H	J	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.49	—	—	1.00E+00	µg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	7	—	—	1.00E+00	µg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	8.9	—	—	1.00E+00	µg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.9	—	—	1.00E+00	µg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	7.1	—	—	1.00E+00	µg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.33	—	—	1.00E+00	µg/L	—	—	10-233	CAAN-09-14341	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.3	—	—	1.00E+00	µg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7	—	—	1.00E+00	µg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.7	—	—	1.00E+00	µg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.6	—	—	1.00E+00	µg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.45	—	—	2.50E+00	µg/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.4	—	—	1.50E+00	µg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.9	—	—	2.50E+00	µg/L	J	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3.6	—	—	1.00E+00	µg/L	—	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.5	—	—	1.00E+00	µg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.98	—	—	2.50E+00	µg/L	J	J	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.3	—	—	1.50E+00	µg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.8	—	—	2.50E+00	µg/L	J	J	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	2.5	—	—	1.00E+00	µg/L	J	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.7	—	—	1.00E+00	µg/L	J	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	2.50E+01	µg/L	U	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	µg/L	U	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	338	—	—	3.00E+01	µg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	142	—	—	2.50E+01	µg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	64.8	—	—	2.50E+01	µg/L	J	J	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	42.8	—	—	2.50E+01	µg/L	J	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	234	—	—	1.80E+01	µg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	µg/L	U	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	µg/L	U	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.613	—	—	5.00E-01	µg/L	J	J	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.54	—	—	5.00E-01	µg/L	J	J	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	µg/L	U	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.68	—	—	5.00E-01	µg/L	J	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.76	—	—	2.00E+00	µg/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.9	—	—	2.00E+00	µg/L	J	J	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.9	—	—	2.00E+00	µg/L	J	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	µg/L	J	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.7	—	—	2.00E+00	µg/L	J	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	16.1	—	—	2.00E+00	µg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.2	—	—	2.00E+00	µg/L	J	J	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5	—	—	2.00E+00	µg/L	J	J	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6	—	—	2.00E+00	µg/L	J	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	13.1	—	—	2.00E+00	µg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.877	—	—	1.00E-01	µg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.82	—	—	1.00E-01	µg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	1.00E-01	µg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	UJ	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	µg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.85	—	—	1.00E-01	µg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.78	—	—	1.00E-01	µg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	UJ	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.634	—	—	5.00E-01	µg/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.67	—	—	5.00E-01	µg/L	J	J	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.57	—	—	5.00E-01	µg/L	J	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.7	—	—	5.00E-01	µg/L	J	—	196782	GF071000G01T01	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.73	—	—	5.00E-01	µg/L	J	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.11	—	—	5.00E-01	µg/L	J	J	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.76	—	—	5.00E-01	µg/L	J	J	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.57	—	—	5.00E-01	µg/L	J	J	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.85	—	—	5.00E-01	µg/L	J	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1	—	—	5.00E-01	µg/L	J	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.5	—	—	5.30E-02	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.9	—	—	3.20E-02	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.2	—	—	3.20E-02	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.1	—	—	1.00E+00	µg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00E+00	µg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.3	—	—	1.00E+00	µg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1.00E+00	µg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.8	—	—	1.00E+00	µg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.4	—	—	1.00E+00	µg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.7	—	—	1.00E+00	µg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.6	—	—	1.00E+00	µg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49	—	—	1.00E+00	µg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.9	—	—	1.00E+00	µg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	—	0.312	—	—	3.00E-01	µg/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.3	—	—	3.00E-01	µg/L	U	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.62	—	—	4.00E-01	µg/L	J	U	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.3	—	—	3.00E-01	µg/L	U	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.4	—	—	4.00E-01	µg/L	U	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.546	—	—	5.00E-02	µg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.65	—	—	5.00E-02	µg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	5.00E-02	µg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	µg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.55	—	—	5.00E-02	µg/L	—	J+	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.565	—	—	5.00E-02	µg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.65	—	—	5.00E-02	µg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.62	—	—	5.00E-02	µg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.52	—	—	5.00E-02	µg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.47	—	—	5.00E-02	µg/L	—	J+	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.45	—	—	1.00E+00	µg/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1.00E+00	µg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	8.5	—	—	1.00E+00	µg/L	—	U	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.6	—	—	1.00E+00	µg/L	J	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.8	—	—	1.00E+00	µg/L	J	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.57	—	—	1.00E+00	µg/L	J	J	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1.00E+00	µg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	8.6	—	—	1.00E+00	µg/L	—	U	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.5	—	—	1.00E+00	µg/L	J	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.8	—	—	1.00E+00	µg/L	J	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	78.7	—	—	3.30E+00	µg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	68.2	—	—	2.00E+00	µg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	65.7	—	—	2.00E+00	µg/L	—	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	65.1	—	—	2.00E+00	µg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	74.2	—	—	2.00E+00	µg/L	—	—	186318	GF070500G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	86.6	—	—	3.30E+00	µg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	72.3	—	—	2.00E+00	µg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	69.5	—	—	2.00E+00	µg/L	—	J	08-1006	CAAN-08-11739	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	71.4	—	—	2.00E+00	µg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	100	—	—	2.00E+00	µg/L	—	—	186318	GU070500G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0102	1.70E-03	2.20E-02	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00192	4.20E-03	4.12E-02	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00742	3.10E-03	2.39E-02	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00316	3.60E-03	4.70E-02	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000978	9.00E-04	3.40E-02	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00336	1.00E-03	2.40E-02	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00222	4.10E-03	3.89E-02	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00742	2.68E-03	2.50E-02	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0366	4.37E-03	6.30E-02	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.991	3.67E-01	3.50E+00	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.09	5.17E-01	4.37E+00	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.78	2.48E-01	2.48E+00	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.404	3.73E-01	4.14E+00	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.17	4.33E-01	4.40E+00	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.65	4.67E-01	3.90E+00	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.419	4.93E-01	4.76E+00	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.00929	2.08E-01	2.22E+00	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.35	3.83E-01	4.28E+00	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.15	4.33E-01	4.60E+00	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.77	4.53E-01	3.82E+00	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.727	2.40E-01	2.69E+00	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.235	3.37E-01	3.86E+00	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.25	4.33E-01	4.70E+00	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.52	5.33E-01	6.00E+00	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.55	4.40E-01	3.69E+00	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.174	2.03E-01	2.15E+00	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.847	4.53E-01	5.11E+00	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.966	2.07E-01	2.00E+00	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.07	3.15E-01	2.97E+00	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	-0.915	1.58E-01	1.93E+00	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.5	2.17E-01	2.52E+00	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.66	2.73E-01	2.60E+00	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.652	2.73E-01	2.82E+00	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.149	1.45E-01	1.54E+00	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.35	2.22E-01	2.76E+00	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	06/22/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.24	1.25E-01	1.40E+00	—	pCi/L	U	U	115578	GU04060G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	8.86	3.67E+00	1.90E+01	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	116	2.54E+01	3.38E+02	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.8	1.82E+01	2.38E+02	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	68.5	2.03E+01	2.20E+02	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	10.2	4.67E+00	3.10E+01	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	1.97	7.00E-01	3.60E+00	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	83.4	2.16E+01	2.41E+02	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	46.8	1.90E+01	1.73E+02	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	52.7	1.66E+01	2.17E+02	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-31.3	3.67E+00	2.90E+01	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.1	4.30E+00	3.74E+01	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.29	1.25E+00	1.16E+01	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.2	3.09E+00	3.29E+01	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.95	3.27E+00	3.10E+01	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.6	4.00E+00	3.40E+01	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.64	3.47E+00	3.38E+01	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.77	1.91E+00	1.40E+01	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.925	2.80E+00	2.87E+01	—	pCi/L	U	U	141235	GU05070G01T01	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00732	1.73E-03	2.80E-02	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00443	3.47E-03	3.86E-02	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00494	1.65E-03	2.71E-02	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00878	2.93E-03	6.10E-02	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00409	9.67E-04	3.40E-02	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0107	1.70E-03	2.70E-02	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00208	1.55E-03	3.62E-02	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.49E-03	2.00E-02	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	5.81E-10	2.30E-03	5.10E-02	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00183	1.83E-03	3.10E-02	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00443	2.95E-03	3.63E-02	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.85E-03	1.80E-02	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0117	2.76E-03	5.10E-02	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00205	9.67E-04	3.30E-02	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00357	1.20E-03	3.10E-02	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.70E-03	3.41E-02	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00364	8.60E-04	1.33E-02	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00487	1.15E-03	4.30E-02	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-21.7	6.00E+00	5.70E+01	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.6	6.03E+00	5.88E+01	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	16.5	6.40E+00	2.64E+01	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	42.7	3.97E+00	5.40E+01	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.747	6.00E+00	5.60E+01	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.0233	5.33E+00	4.70E+01	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	32.1	7.27E+00	2.61E+01	—	pCi/L	UI	R	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.9	3.83E+00	2.00E+01	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.53	4.17E+00	4.69E+01	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.01	9.00E-02	6.10E-01	—	pCi/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.326	6.67E-02	6.60E-01	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.311	5.00E-02	4.30E-01	—	pCi/L	U	U	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.485	7.03E-02	6.19E-01	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	06/22/04	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.618	5.63E-02	3.91E-01	—	pCi/L	—	J	115578	GU04060G01T01	GELC
Test Well DT-10	1811	1080	06/22/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	2.25	2.14E+00	1.24E+01	—	pCi/L	U	U	115578	GU04060G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.504	9.67E-02	9.40E-01	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.341	4.67E-02	4.10E-01	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.277	4.33E-02	4.00E-01	—	pCi/L	U	U	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.135	4.60E-02	4.75E-01	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	06/22/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	15.5	3.70E+00	2.93E+01	—	pCi/L	U	U	115578	GU04060G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.183	4.00E-01	4.00E+00	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.11	4.77E-01	5.10E+00	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.835	2.56E-01	2.58E+00	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.028	3.87E-01	4.28E+00	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.02	4.33E-01	4.50E+00	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.05	3.33E-01	3.80E+00	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.23	5.70E-01	5.24E+00	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0419	1.81E-01	1.90E+00	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.377	4.10E-01	4.40E+00	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00242	2.60E-02	2.90E-01	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.336	4.70E-02	4.37E-01	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.197	3.83E-02	3.78E-01	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0445	1.78E-02	2.06E-01	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.332	4.33E-02	4.90E-01	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.117	2.83E-02	2.90E-01	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0857	3.13E-02	4.09E-01	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.133	2.59E-02	2.71E-01	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.131	1.73E-02	1.85E-01	—	pCi/L	U	U	141235	GU05070G01T01	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.0103	3.23E-03	6.70E-02	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	06/22/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0316	5.07E-03	1.17E-01	—	pCi/L	U	U	115578	GU04060G01T01	GELC
Test Well DT-10	1811	1080	08/18/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	-0.00659	6.33E-03	9.20E-02	—	pCi/L	U	U	86692	GU03070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	-0.0275	3.67E-03	8.50E-02	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	06/22/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0981	6.57E-03	2.16E-01	—	pCi/L	U	U	115578	GU04060G01T01	GELC
Test Well DT-10	1811	1080	08/18/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.105	6.07E-03	1.71E-01	—	pCi/L	U	U	86692	GU03070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	-0.0126	2.13E-03	4.00E-02	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	06/22/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0141	2.51E-03	5.40E-02	—	pCi/L	U	U	115578	GU04060G01T01	GELC
Test Well DT-10	1811	1080	08/18/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.013	2.78E-03	4.20E-02	—	pCi/L	U	U	86692	GU03070G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.487	1.33E-02	5.80E-02	—	pCi/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.454	1.25E-02	5.54E-02	—	pCi/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.439	1.39E-02	4.88E-02	—	pCi/L	—	—	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.502	1.59E-02	9.30E-02	—	pCi/L	—	JN+	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.456	1.47E-02	6.80E-02	—	pCi/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.456	1.30E-02	6.10E-02	—	pCi/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.477	1.32E-02	5.77E-02	—	pCi/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.466	1.43E-02	4.77E-02	—	pCi/L	—	—	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.644	1.70E-02	7.60E-02	—	pCi/L	—	—	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0265	2.70E-03	3.00E-02	—	pCi/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0261	2.89E-03	3.29E-02	—	pCi/L	U	U	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0171	2.70E-03	4.98E-02	—	pCi/L	U	U	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00376	4.17E-03	7.00E-02	—	pCi/L	U	U	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0233	3.13E-03	3.50E-02	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0255	2.87E-03	3.20E-02	—	pCi/L	U	U	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0297	3.13E-03	3.42E-02	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	2.94E-03	4.87E-02	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0459	4.27E-03	5.70E-02	—	pCi/L	U	U	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/16/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.188	7.00E-03	3.20E-02	—	pCi/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1080	10/30/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.171	6.80E-03	3.69E-02	—	pCi/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.209	8.77E-03	3.45E-02	—	pCi/L	—	—	177228	GF061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.192	9.33E-03	6.60E-02	—	pCi/L	—	J, JN+	141235	GF05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.168	7.33E-03	4.20E-02	—	pCi/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.177	6.67E-03	3.40E-02	—	pCi/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.2	7.70E-03	3.85E-02	—	pCi/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	12/04/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.182	8.10E-03	3.38E-02	—	pCi/L	—	—	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1080	07/19/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.31	1.05E-02	5.30E-02	—	pCi/L	—	—	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1080	10/22/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.36	—	—	3.00E-01	µg/L	J	J	10-233	CAAN-09-14342	GELC
Test Well DT-10	1811	1080	10/16/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	UJ	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1080	04/16/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1080	10/30/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1080	05/16/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	—	186318	GU070500G01T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.7	—	—	7.30E-01	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.7	—	—	7.30E-01	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.4	—	—	7.30E-01	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.8	—	—	7.25E-01	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.4	—	—	7.25E-01	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.74	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.78	—	—	3.00E-02	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.76	—	—	3.00E-02	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.58	—	—	3.00E-02	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.63	—	—	3.60E-02	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.06	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.72	—	—	3.00E-02	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.46	—	—	3.00E-02	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.67	—	—	3.00E-02	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.8	—	—	3.60E-02	mg/L	—	—	186423	GU070500GA5T01	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.52	—	—	6.60E-02	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.65	—	—	6.60E-02	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.55	—	—	6.60E-02	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.64	—	—	6.60E-02	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.39	—	—	3.30E-02	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.251	—	—	3.30E-02	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.229	—	—	3.30E-02	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.231	—	—	3.30E-02	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.25	—	—	3.30E-02	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	31.9	—	—	3.50E-01	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	33.1	—	—	3.50E-01	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.1	—	—	4.30E-01	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	31.7	—	—	4.25E-01	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32	—	—	4.40E-01	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.4	—	—	3.50E-01	mg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.6	—	—	3.50E-01	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31	—	—	4.30E-01	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31.8	—	—	4.25E-01	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.6	—	—	4.40E-01	mg/L	—	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.44	—	—	8.50E-02	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.71	—	—	8.50E-02	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.5	—	—	8.50E-02	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.49	—	—	8.50E-02	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.54	—	—	8.50E-02	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.63	—	—	8.50E-02	mg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.63	—	—	8.50E-02	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.4	—	—	8.50E-02	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.47	—	—	8.50E-02	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.59	—	—	8.50E-02	mg/L	—	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.348	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.359	—	—	5.00E-02	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.367	—	—	5.00E-02	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.345	—	—	5.00E-02	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.33	—	—	1.00E-02	mg/L	—	J-	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.259	—	—	5.00E-02	µg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.278	—	—	5.00E-02	µg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.245	—	—	5.00E-02	µg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.253	—	—	5.00E-02	µg/L	—	J-	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	µg/L	U	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.258	—	—	5.00E-02	µg/L	—	J-	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.84	—	—	5.00E-02	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.78	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.85	—	—	5.00E-02	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	5.00E-02	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	5.00E-02	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	3.20E-02	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	3.20E-02	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	4.50E-02	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	08-1025	CAAN-08-11745	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	4.50E-02	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	4.50E-02	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	4.50E-02	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	113	—	—	1.00E+00	µS/cm	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	113	—	—	1.00E+00	µS/cm	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	110	—	—	1.00E+00	µS/cm	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	109	—	—	1.00E+00	µS/cm	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.37	—	—	1.00E-01	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.54	—	—	1.00E-01	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.5	—	—	1.00E-01	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.45	—	—	1.00E-01	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.5	—	—	1.00E-01	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.40E+00	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	125	—	—	2.40E+00	mg/L	—	J	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.38E+00	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.38E+00	mg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.051	—	—	2.90E-02	mg/L	J	JN-	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.145	—	—	1.45E-01	mg/L	U	UJ	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.082	—	—	3.30E-02	mg/L	J	J-	10-290	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	UJ	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.145	—	—	1.45E-01	mg/L	U	UJ	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.7	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.7	—	—	1.00E+00	µg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.4	—	—	1.00E+00	µg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.6	—	—	1.00E+00	µg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.9	—	—	1.00E+00	µg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.6	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.5	—	—	1.00E+00	µg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.8	—	—	1.00E+00	µg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.7	—	—	1.00E+00	µg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.6	—	—	1.00E+00	µg/L	—	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.89	—	—	2.50E+00	µg/L	J	J	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.1	—	—	1.50E+00	µg/L	J	J	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.6	—	—	2.50E+00	µg/L	J	J	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.2	—	—	1.00E+00	µg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.5	—	—	1.00E+00	µg/L	J	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.29	—	—	2.50E+00	µg/L	J	J	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2	—	—	1.50E+00	µg/L	J	J	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.6	—	—	2.50E+00	µg/L	J	J	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.4	—	—	1.00E+00	µg/L	J	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.9	—	—	1.00E+00	µg/L	J	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	37.1	—	—	2.50E+01	µg/L	J	J	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	08-1025	CAAN-08-11745	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	2.50E+01	µg/L	U	UJ	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	22.8	—	—	1.80E+01	µg/L	J	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	54.6	—	—	3.00E+01	µg/L	J	J	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	61.5	—	—	2.50E+01	µg/L	J	J	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	50.5	—	—	2.50E+01	µg/L	J	J	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	2.50E+01	µg/L	U	UJ	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	63.3	—	—	1.80E+01	µg/L	J	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	10.3	—	—	2.00E+00	µg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.9	—	—	2.00E+00	µg/L	J	J	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	10.9	—	—	2.00E+00	µg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.6	—	—	2.00E+00	µg/L	J	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	10.6	—	—	2.00E+00	µg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	14.4	—	—	2.00E+00	µg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.7	—	—	2.00E+00	µg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.7	—	—	2.00E+00	µg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.1	—	—	2.00E+00	µg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	13.4	—	—	2.00E+00	µg/L	—	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	µg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	µg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.6	—	—	1.00E-01	µg/L	—	J	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	4.1	—	—	2.00E+00	µg/L	J	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.00E-01	µg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	µg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	1.00E-01	µg/L	—	J	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2.7	—	—	2.00E+00	µg/L	J	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.3	—	—	5.30E-02	mg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.7	—	—	3.20E-02	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	3.20E-02	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.2	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	µg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.7	—	—	1.00E+00	µg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.6	—	—	1.00E+00	µg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.6	—	—	1.00E+00	µg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	µg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	43.2	—	—	1.00E+00	µg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	44.7	—	—	1.00E+00	µg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.5	—	—	1.00E+00	µg/L	—	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.315	—	—	5.00E-02	µg/L	—	J	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.38	—	—	5.00E-02	µg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.62	—	—	5.00E-02	µg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.36	—	—	5.00E-02	µg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.31	—	—	5.00E-02	µg/L	—	U	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.332	—	—	5.00E-02	µg/L	—	J	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.37	—	—	5.00E-02	µg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.63	—	—	5.00E-02	µg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.36	—	—	5.00E-02	µg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.29	—	—	5.00E-02	µg/L	—	U	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.8	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9	—	—	1.00E+00	µg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	12.3	—	—	1.00E+00	µg/L	—	U	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.2	—	—	1.00E+00	µg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.9	—	—	1.00E+00	µg/L	—	J+	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.22	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-13675	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.9	—	—	1.00E+00	µg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	12.5	—	—	1.00E+00	µg/L	—	U	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.9	—	—	1.00E+00	µg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.2	—	—	1.00E+00	µg/L	—	J+	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	165	—	—	3.30E+00	µg/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	175	—	—	2.00E+00	µg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	170	—	—	2.00E+00	µg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	175	—	—	2.00E+00	µg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	177	—	—	2.00E+00	µg/L	—	—	186423	GF070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	178	—	—	3.30E+00	µg/L	—	—	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	177	—	—	2.00E+00	µg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	167	—	—	2.00E+00	µg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	186	—	—	2.00E+00	µg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	194	—	—	2.00E+00	µg/L	—	—	186423	GU070500GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	4.67E-03	3.10E-02	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00504	1.22E-03	3.32E-02	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00834	1.57E-03	2.91E-02	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00462	1.59E-03	3.00E-02	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00655	2.63E-03	3.50E-02	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00044	4.00E-03	2.80E-02	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00146	6.33E-04	2.99E-02	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00742	1.07E-03	2.05E-02	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00343	1.86E-03	3.20E-02	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.82	4.33E-01	3.60E+00	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.23	4.73E-01	4.25E+00	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.339	4.90E-01	5.40E+00	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.639	3.12E-01	3.49E+00	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.11	4.00E-01	3.20E+00	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.462	4.33E-01	4.20E+00	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.17	3.87E-01	3.42E+00	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.356	3.50E-01	3.93E+00	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.258	3.07E-01	3.33E+00	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.02	4.67E-01	5.40E+00	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.16	4.17E-01	3.10E+00	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.999	4.83E-01	5.71E+00	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.202	4.07E-01	4.37E+00	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0693	4.00E-01	3.80E+00	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.46	4.00E-01	4.80E+00	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.5	3.31E-01	2.66E+00	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.23	4.47E-01	4.52E+00	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.504	3.43E-01	4.00E+00	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.333	1.43E-01	1.70E+00	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.71	2.86E-01	2.76E+00	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.19	2.29E-01	2.25E+00	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.61	2.29E-01	2.80E+00	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.39	3.67E-01	3.40E+00	—	pCi/L	—	—	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.14	2.91E-01	2.89E+00	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.361	1.97E-01	2.07E+00	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.34	2.48E-01	3.06E+00	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.17	2.22E-01	2.09E+00	—	pCi/L	—	J	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	DUP	—	Rad	EPA:900	Gross beta	<	1.98	2.20E-01	2.11E+00	—	pCi/L	U	—	116548	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	22.1	4.67E+00	3.90E+01	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	46.5	1.88E+01	2.02E+02	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	112	3.05E+01	3.85E+02	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.3	2.17E+01	2.83E+02	—	pCi/L	U	J-, U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.3	9.67E+00	5.50E+01	—	pCi/L	—	U	10-292	CAAN-09-13675	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	12.4	8.00E+00	1.80E+01	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	60.9	2.33E+01	2.28E+02	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	109	3.43E+01	3.21E+02	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	80.8	2.98E+01	2.46E+02	—	pCi/L	U	J-, U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.1	3.67E+00	3.40E+01	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.1	3.43E+00	3.34E+01	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.82	1.95E+00	1.92E+01	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.15	2.48E+00	2.56E+01	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.2	3.20E+00	2.90E+01	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.629	3.23E+00	3.10E+01	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.2	3.10E+00	2.76E+01	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	15.8	2.83E+00	3.20E+01	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.51	2.52E+00	2.26E+01	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00733	1.63E-03	3.70E-02	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.77E-04	3.54E-02	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.41E-03	2.32E-02	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0107	3.57E-03	4.43E-02	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00212	1.23E-03	3.50E-02	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00391	1.30E-03	3.00E-02	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	9.90E-04	3.67E-02	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.013	2.29E-03	2.38E-02	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0106	2.92E-03	4.41E-02	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0122	1.83E-03	4.20E-02	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00406	1.66E-03	3.33E-02	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00846	1.73E-03	1.54E-02	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.25E-03	3.74E-02	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.53E-10	1.40E-03	3.50E-02	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00587	1.73E-03	3.40E-02	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0042	1.72E-03	3.45E-02	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0065	1.26E-03	1.58E-02	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0233	3.70E-03	3.72E-02	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	28	9.00E+00	4.90E+01	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-18.3	6.83E+00	5.85E+01	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	33.8	4.40E+00	6.17E+01	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	24.8	3.32E+00	4.24E+01	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	4.39	4.67E+00	5.00E+01	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-35.5	5.67E+00	5.10E+01	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.07	4.13E+00	2.03E+01	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.4	4.23E+00	5.27E+01	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	27.2	3.73E+00	4.74E+01	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.272	4.67E-02	4.40E-01	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.231	4.67E-02	4.70E-01	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.379	7.00E-02	6.80E-01	—	pCi/L	U	U	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.352	4.50E-02	3.79E-01	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.22	3.24E-02	2.91E-01	—	pCi/L	U	U	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	4.47	6.97E-01	8.08E+00	—	pCi/L	U	U	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	DUP	—	Rad	EPA:903.1	Radium-226	<	-0.0237	2.37E-02	3.10E-01	—	pCi/L	U	—	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.643	9.67E-02	8.60E-01	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.204	4.33E-02	4.00E-01	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.135	5.00E-02	5.50E-01	—	pCi/L	U	U	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.13	8.80E-02	5.46E-01	—	pCi/L	—	J	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	18.6	2.51E+00	1.41E+01	—	pCi/L	UI	R	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	DUP	—	Rad	EPA:901.1	Radium-228	<	4.01	1.48E+00	1.35E+01	—	pCi/L	U	—	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.08	4.67E-01	4.90E+00	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.32	3.90E-01	4.68E+00	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.53	4.47E-01	4.42E+00	—	pCi/L	U	U	177384	GF061100GA5T01	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.17	2.59E-01	2.55E+00	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.226	4.00E-01	3.70E+00	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.337	4.33E-01	4.50E+00	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.64	3.80E-01	4.20E+00	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.52	4.40E-01	4.55E+00	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.737	3.25E-01	3.46E+00	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0393	3.33E-02	3.60E-01	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0864	4.67E-02	4.85E-01	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.216	3.37E-02	4.08E-01	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0297	1.26E-02	1.97E-01	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.103	4.33E-02	5.00E-01	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0313	3.67E-02	3.90E-01	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0461	3.67E-02	4.07E-01	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.339	4.07E-02	3.75E-01	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0256	1.70E-02	2.33E-01	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.0141	4.00E-03	5.90E-02	—	pCi/L	U	UJ	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	-0.00108	4.33E-03	8.40E-02	—	pCi/L	U	U	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	DUP	—	Rad	Alpha Spec	Thorium-228	<	0.0321	5.20E-03	7.90E-02	—	pCi/L	U	—	116548	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	08/28/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0121	4.20E-03	9.40E-02	—	pCi/L	U	U	87137	GU03070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0693	4.33E-03	7.90E-02	—	pCi/L	U	UJ	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0666	4.70E-03	1.55E-01	—	pCi/L	U	U	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	DUP	—	Rad	Alpha Spec	Thorium-230	<	0.0321	3.50E-03	1.47E-01	—	pCi/L	U	—	116548	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	08/28/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0799	5.03E-03	1.74E-01	—	pCi/L	U	U	87137	GU03070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.0303	3.20E-03	3.40E-02	—	pCi/L	U	UJ	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0122	2.16E-03	3.90E-02	—	pCi/L	U	U	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	07/13/04	WG	UF	DUP	—	Rad	Alpha Spec	Thorium-232	<	0.00769	1.82E-03	3.70E-02	—	pCi/L	U	—	116548	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	08/28/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.02	2.28E-03	4.30E-02	—	pCi/L	U	U	87137	GU03070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.241	8.67E-03	6.60E-02	—	pCi/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.163	7.23E-03	6.42E-02	—	pCi/L	—	J	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.152	8.07E-03	5.67E-02	—	pCi/L	—	J	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.228	7.77E-03	5.51E-02	—	pCi/L	—	—	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.212	1.00E-02	1.00E-01	—	pCi/L	—	—	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.256	1.00E-02	7.90E-02	—	pCi/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.212	9.33E-03	6.62E-02	—	pCi/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.201	8.03E-03	4.64E-02	—	pCi/L	—	—	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.217	8.17E-03	5.98E-02	—	pCi/L	—	—	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00936	1.93E-03	3.50E-02	—	pCi/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0276	2.95E-03	3.81E-02	—	pCi/L	U	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0033	1.91E-03	5.78E-02	—	pCi/L	U	U	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0223	2.60E-03	4.15E-02	—	pCi/L	U	U	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0035	2.60E-03	5.10E-02	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0028	1.63E-03	4.20E-02	—	pCi/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0256	3.47E-03	3.93E-02	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0135	2.71E-03	4.74E-02	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0194	2.57E-03	4.50E-02	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.1	5.00E-03	3.50E-02	—	pCi/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.111	6.40E-03	4.28E-02	—	pCi/L	—	J	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.144	7.33E-03	4.01E-02	—	pCi/L	—	—	177384	GF061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.105	5.07E-03	3.90E-02	—	pCi/L	—	J	144119	GF05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0963	6.33E-03	6.20E-02	—	pCi/L	—	—	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.086	5.33E-03	4.20E-02	—	pCi/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.113	6.90E-03	4.42E-02	—	pCi/L	—	J	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0985	5.77E-03	3.29E-02	—	pCi/L	—	J	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	08/24/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0921	4.80E-03	4.23E-02	—	pCi/L	—	J	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.36	—	—	3.00E-01	µg/L	J	J	10-290	CAAN-09-14334	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	09-116	CAAN-08-16108	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	05/17/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	—	186423	GU070500GA5T01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.2	—	—	7.30E-01	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56	—	—	7.30E-01	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54	—	—	7.30E-01	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.8	—	—	7.25E-01	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55	—	—	7.25E-01	mg/L	—	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.47	—	—	3.00E-02	mg/L	EN	J+	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.81	—	—	3.00E-02	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.9	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	3.00E-02	mg/L	EN	J+	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.83	—	—	3.00E-02	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.53	—	—	6.60E-02	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.71	—	—	6.60E-02	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.69	—	—	6.60E-02	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.56	—	—	6.60E-02	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.69	—	—	6.60E-02	mg/L	—	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.427	—	—	3.30E-02	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.274	—	—	3.30E-02	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.302	—	—	3.30E-02	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.284	—	—	3.30E-02	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.319	—	—	3.30E-02	mg/L	—	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	36.7	—	—	3.50E-01	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	34.8	—	—	3.50E-01	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.5	—	—	4.30E-01	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.8	—	—	3.50E-01	mg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.9	—	—	3.50E-01	mg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.8	—	—	4.30E-01	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.77	—	—	8.50E-02	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.72	—	—	8.50E-02	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.68	—	—	8.50E-02	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.68	—	—	8.50E-02	mg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.85	—	—	8.50E-02	mg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.73	—	—	8.50E-02	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.36	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0617	—	—	1.00E-02	mg/L	—	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.333	—	—	5.00E-02	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.086	—	—	1.00E-02	mg/L	—	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.325	—	—	5.00E-02	mg/L	—	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.265	—	—	5.00E-02	µg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.282	—	—	5.00E-02	µg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.271	—	—	5.00E-02	µg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.272	—	—	5.00E-02	µg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	µg/L	U	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.266	—	—	5.00E-02	µg/L	—	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.01	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	<	0.914	—	—	5.00E-02	mg/L	—	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.01	—	—	5.00E-02	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.991	—	—	5.00E-02	mg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	<	1.02	—	—	5.00E-02	mg/L	—	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.01	—	—	5.00E-02	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	71.8	—	—	3.20E-02	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	76.1	—	—	3.20E-02	mg/L	—	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-291	CAAN-09-14336	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	EN	J+	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	4.50E-02	mg/L	EN	J+	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	114	—	—	1.00E+00	µS/cm	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	114	—	—	1.00E+00	µS/cm	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	119	—	—	1.00E+00	µS/cm	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	117	—	—	1.00E+00	µS/cm	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1290	—	—	1.00E+00	µS/cm	—	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.52	—	—	1.00E-01	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.72	—	—	1.00E-01	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.71	—	—	1.00E-01	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.49	—	—	1.00E-01	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.63	—	—	1.00E-01	mg/L	—	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	131	—	—	2.40E+00	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	131	—	—	2.40E+00	mg/L	—	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	2.40E+00	mg/L	—	J	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.38E+00	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.38E+00	mg/L	—	—	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	1.00E-02	SU	H	J-	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	1.00E-02	SU	H	J	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	05/09/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.06	—	—	1.00E-02	SU	H	J	185932	GF070500G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.79	—	—	1.50E+00	µg/L	J	J	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.23	—	—	1.50E+00	µg/L	J	J	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.7	—	—	1.00E+00	µg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.9	—	—	1.00E+00	µg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	17.8	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.2	—	—	1.00E+00	µg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.7	—	—	1.00E+00	µg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.91	—	—	2.50E+00	µg/L	J	J	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.4	—	—	1.50E+00	µg/L	—	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	2.50E+00	µg/L	J	J	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.72	—	—	2.50E+00	µg/L	J	J	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.8	—	—	1.50E+00	µg/L	—	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.4	—	—	2.50E+00	µg/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	56.8	—	—	2.50E+01	µg/L	J	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	40.1	—	—	3.00E+01	µg/L	J	J	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	786	—	—	2.50E+01	µg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	46.3	—	—	2.50E+01	µg/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.53	—	—	2.00E+00	µg/L	J	J	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	19.1	—	—	2.00E+00	µg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.5	—	—	2.00E+00	µg/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	µg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	µg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	µg/L	—	U	08-946	CAAN-08-11730	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	µg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.2	—	—	1.00E-01	µg/L	—	U	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.65	—	—	5.00E-01	µg/L	J	J	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	µg/L	J	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.55	—	—	5.00E-01	µg/L	J	J	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.743	—	—	5.00E-01	µg/L	J	J	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	µg/L	J	J	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.61	—	—	5.00E-01	µg/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68	—	—	5.30E-02	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	3.20E-02	mg/L	E	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.7	—	—	3.20E-02	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.2	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48	—	—	1.00E+00	µg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.1	—	—	1.00E+00	µg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.2	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.1	—	—	1.00E+00	µg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.3	—	—	1.00E+00	µg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.391	—	—	5.00E-02	µg/L	—	J	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.45	—	—	5.00E-02	µg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.39	—	—	5.00E-02	µg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.405	—	—	5.00E-02	µg/L	—	J	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	µg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.41	—	—	5.00E-02	µg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.14	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.1	—	—	1.00E+00	µg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.7	—	—	1.00E+00	µg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.87	—	—	1.00E+00	µg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.8	—	—	1.00E+00	µg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	µg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	103	—	—	3.30E+00	µg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	88.5	—	—	2.00E+00	µg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	99.2	—	—	2.00E+00	µg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	103	—	—	3.30E+00	µg/L	—	—	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	105	—	—	2.00E+00	µg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	98.7	—	—	2.00E+00	µg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0102	4.67E-03	3.20E-02	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0113	1.69E-03	3.26E-02	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00271	1.24E-03	2.25E-02	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0158	3.18E-03	3.60E-02	—	pCi/L	U	U	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	9.67E-04	4.00E-02	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00422	4.67E-03	3.00E-02	—	pCi/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0113	1.62E-03	3.24E-02	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.003	1.20E-03	2.45E-02	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00879	2.50E-03	3.40E-02	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.805	4.67E-01	4.70E+00	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.23	4.80E-01	3.87E+00	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.625	3.50E-01	3.72E+00	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.54	3.53E-01	3.93E+00	—	pCi/L	U	U	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.87	5.00E-01	4.40E+00	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.683	3.33E-01	3.60E+00	—	pCi/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.44	4.87E-01	4.65E+00	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.71	3.83E-01	3.71E+00	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0724	3.27E-01	3.57E+00	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.69	5.00E-01	3.70E+00	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.85	3.97E-01	4.22E+00	—	pCi/L	U	U	197048	GF071000G9WT01	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.96	3.03E-01	4.03E+00	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.82	7.50E-01	3.95E+00	—	pCi/L	U	U	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.54	5.00E-01	5.60E+00	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0871	4.33E-01	4.20E+00	—	pCi/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.27	5.07E-01	3.57E+00	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.819	4.00E-01	4.65E+00	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.483	3.53E-01	3.82E+00	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.721	1.67E-01	2.50E+00	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.54	3.16E-01	2.62E+00	—	pCi/L	—	J	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.3	2.08E-01	2.00E+00	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.29	2.18E-01	2.57E+00	—	pCi/L	U	U, J	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.36	3.67E-01	3.30E+00	—	pCi/L	—	—	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.24	2.85E-01	2.83E+00	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.901	1.59E-01	1.55E+00	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.97	2.25E-01	2.57E+00	—	pCi/L	—	J	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	07/07/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.92	2.22E-01	2.14E+00	—	pCi/L	U	—	116548	GU04060G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	18.8	5.00E+00	1.60E+01	—	pCi/L	—	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	156	5.00E+01	4.55E+02	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	94.2	2.37E+01	3.06E+02	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	95.5	2.08E+01	3.40E+02	—	pCi/L	U	U	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.7	1.17E+01	8.90E+01	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	22.8	2.77E+00	8.00E+00	—	pCi/L	—	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	141	2.59E+01	4.60E+02	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	73	2.45E+01	2.15E+02	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	72.7	2.08E+01	2.47E+02	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.07	3.33E+00	3.40E+01	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.25	3.22E+00	3.24E+01	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.73	2.60E+00	2.79E+01	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.32	3.00E+00	2.87E+01	—	pCi/L	U	U	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	19.3	4.33E+00	4.30E+01	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.32	3.03E+00	3.00E+01	—	pCi/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.17	3.19E+00	3.09E+01	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.7	2.86E+00	3.06E+01	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.33	2.37E+00	2.22E+01	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.002	1.17E-03	3.00E-02	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00682	3.13E-03	3.97E-02	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.80E-03	2.09E-02	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0154	3.87E-03	4.00E-02	—	pCi/L	U	U	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00208	9.67E-04	3.40E-02	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00168	1.87E-03	2.60E-02	—	pCi/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0071	3.93E-03	4.13E-02	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0041	1.67E-03	2.25E-02	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00355	1.18E-03	3.70E-02	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00401	9.33E-04	3.40E-02	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00227	2.51E-03	3.73E-02	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00191	6.37E-04	1.39E-02	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00768	1.57E-03	3.40E-02	—	pCi/L	U	U	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00208	1.53E-03	3.40E-02	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0101	1.77E-03	2.90E-02	—	pCi/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.41E-10	1.11E-03	3.88E-02	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00205	1.18E-03	1.50E-02	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00886	2.71E-03	3.10E-02	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.92	5.67E+00	5.70E+01	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-15.1	4.70E+00	4.66E+01	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	9.97	6.70E+00	4.33E+01	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	46.2	6.33E+00	3.90E+01	—	pCi/L	UI	R	141371	GF05070G9WT01	GELC

Table C-2 Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.8	7.33E+00	7.00E+01	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.8	5.33E+00	5.20E+01	—	pCi/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	27.3	6.93E+00	3.54E+01	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	31.3	6.53E+00	2.92E+01	—	pCi/L	UI	R	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.9	7.00E+00	4.04E+01	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.218	2.67E-02	1.70E-01	—	pCi/L	—	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	4.03	1.90E-01	5.70E-01	—	pCi/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.329	6.33E-02	5.90E-01	—	pCi/L	U	U	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.837	9.10E-02	7.12E-01	—	pCi/L	—	J	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	07/07/04	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.904	6.43E-02	4.34E-01	—	pCi/L	—	J	116548	GU04060G9WT01	GELC
Test Well DT-9	1831	1040	07/07/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	5.19	9.80E-01	1.08E+01	—	pCi/L	U	U	116548	GU04060G9WT01	GELC
Test Well DT-9	1831	1040	07/07/04	WG	UF	DUP	—	Rad	EPA:903.1	Radium-226	—	0.696	6.17E-02	4.46E-01	—	pCi/L	—	—	116548	GU04060G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.416	8.67E-02	8.30E-01	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.722	8.00E-02	6.30E-01	—	pCi/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	04/07/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.109	5.00E-02	5.40E-01	—	pCi/L	U	U	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	2.24	1.42E-01	7.92E-01	—	pCi/L	—	J	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	07/07/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	4.95	3.26E+00	2.22E+01	—	pCi/L	U	U	116548	GU04060G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.63	5.33E-01	5.40E+00	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.438	4.57E-01	3.71E+00	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.797	3.67E-01	4.16E+00	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.163	3.29E-01	3.81E+00	—	pCi/L	U	U	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.33	4.67E-01	4.00E+00	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.17	3.67E-01	2.30E+00	—	pCi/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.176	4.37E-01	3.68E+00	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0891	3.24E-01	3.66E+00	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.07	3.32E-01	3.44E+00	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00134	4.67E-02	4.80E-01	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0808	3.47E-02	3.68E-01	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.109	3.32E-02	3.31E-01	—	pCi/L	U	U	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0903	2.17E-02	2.59E-01	—	pCi/L	U	U	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.151	4.33E-02	4.90E-01	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0515	4.67E-02	4.80E-01	—	pCi/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.147	2.80E-02	3.71E-01	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0623	2.48E-02	2.56E-01	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0789	2.05E-02	2.46E-01	—	pCi/L	U	U	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.0111	4.00E-03	8.30E-02	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	07/07/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	-0.00974	2.07E-03	6.60E-02	—	pCi/L	U	U	116548	GU04060G9WT01	GELC
Test Well DT-9	1831	1040	08/06/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0606	1.03E-02	1.34E-01	—	pCi/L	U	U	85763	GU03070G9WT02	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0817	5.67E-03	1.10E-01	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	07/07/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0611	3.67E-03	1.23E-01	—	pCi/L	U	U	116548	GU04060G9WT01	GELC
Test Well DT-9	1831	1040	08/06/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.16	9.63E-03	2.11E-01	—	pCi/L	U	U	85763	GU03070G9WT02	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.0196	3.17E-03	4.70E-02	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	07/07/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	-7.66E-10	1.69E-03	3.10E-02	—	pCi/L	U	U	116548	GU04060G9WT01	GELC
Test Well DT-9	1831	1040	08/06/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0127	3.77E-03	6.10E-02	—	pCi/L	U	U	85763	GU03070G9WT02	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.3	1.27E-02	1.10E-01	—	pCi/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.318	1.02E-02	5.32E-02	—	pCi/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.253	9.27E-03	4.79E-02	—	pCi/L	—	—	177266	GF061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.377	1.62E-02	1.51E-01	—	pCi/L	—	J	141371	GF05070G9WT01	GELC
Test Well DT-9	1831	1040	10/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.26	1.07E-02	9.30E-02	—	pCi/L	—	—	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	1040	10/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.302	9.67E-03	6.40E-02	—	pCi/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	1040	11/02/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.316	9.93E-03	4.84E-02	—	pCi/L	—	—	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.272	1.04E-02	4.82E-02	—	pCi/L	—	—	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	1040	07/20/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.369	1.57E-02	1.46E-01	—	pCi/L	—	J	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	1040	10/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0117	2.93E-03	5.80E-02	—	pCi/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	1040	11/02/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0205	3.16E-03	3.16E-02	—	pCi/L	U	U	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	1040	12/05/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	2.94E-03	4.88E-02	—	pCi/L	U	U	177266	GF061100G9WT01	GELC

Appendix D

Screening Results

The following pages provide (1) acronyms and abbreviations and (2) analytical laboratory qualifier codes. The secondary data validation summary is provided in Appendix F.

Acronyms and Abbreviations

Code	Description
Field Prep Codes	
ASHED	Ashed
CRUSH	Crushed
F	Filtered
NA	Not Analyzed
SV	Sieved
UA	Unassigned
UF	Unfiltered
UNK	Unknown
Field QC Type Codes	
CO	Collocated
EQB	Equipment Blank
FB	Field Blank
FD	Field Duplicate
FPR	Field Prepared Reagent
FPS	Field Prepared Spike
FR	Field Rinsate
FS	Field Split
FTB	Field Trip Blank
FTR	Field Triplicate
INB	Equipment blank taken during installation and not associated with a sampling event
ITB	Trip blank taken during installation and not associated with a sampling event
n/a	Not Applicable
PE	Performance Evaluation
PEB	Performance Evaluation Blank
PEK	Performance Evaluation Known
RES	Resample
SS	Special Sampling Event, Data Unique
UA	Unassigned
Suite Codes	
DIOX/FUR	Dioxins and Furans
DRO	Diesel Range Organics
GENINORG	General Inorganics
HERB	Herbicides

Acronyms and Abbreviations (continued)

Code	Description
HEXP	High Explosives
METALS	Metal
PEST/PCB	Pesticides and PCBs
RAD	Radionuclides
SVOA	Semivolatile Organics
VOA	Volatile Organics
Lab Sample Type Codes	
BLIND	Blind Quality Control
BS	Blank Spike
BSD	Blank Spike Duplicate
CS	Client Sample
DL	Dilution
DUP	Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCST	Laboratory Control Sample Triplicate
MB	Method Blank
MBD	Method Blank Duplicate
MBT	Method Blank Triplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MSQD	Matrix Spike Quadruplicate
MSQT	Fifth Matrix Spike
MST	Matrix Spike Triplicate
QNT	Fifth Replicate
QUD	Quadruplicate
RE	Reanalysis
REDP	Reanalysis Duplicate
RETRP	Reanalysis Triplicate
RI	Reissue
RID	Reissue Duplicate
SXT	Sixth Replicate
TOTC	Calculated Total
TOTCD	Calculated Total for a Duplicate
TRP	Triplicate

Analytical Laboratory Qualifier Codes

Laboratory Qualifier Code	Laboratory Qualifier Description
*	(Inorganic)—Duplicate analysis (relative percent difference) not within control limits. (Organic)—Spike recovery (relative percent difference) is equal to or outside the control criteria used.
B	(Organic)—Analyte present in the blank and the sample. (Inorganic)—reported value was obtained from a reading that was less than the contract-required detection limit (CRDL) but greater than or equal to the instrument detection limit (IDL).
BJ	See B code and see J code.
BJP	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the IDL but less than the CRDL. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary gas chromatography (GC) columns were greater than 25% difference. (P) (SW-846 U.S. Environmental Protection Agency (EPA) Method 8310, High Pressure Liquid Chromatography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference.
BPX	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the IDL but less than the CRDL. (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310, High Pressure Liquid Chromatography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference. (X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected.
DJ	(D) (Organic)—The result for this analyte was reported from a dilution. (J) (Organic/General Inorganics)—The result for this analyte was greater than the MDL but less than the PQL.
DNA	Did not analyze because equipment was broken.
E	EPA Flag—The result for this analyte exceeded the upper range of the instrument initial calibration curve.
EJ	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (inductively coupled plasma atomic emission spectroscopy [ICP-AES])—The result for this analyte in the serial dilution analysis was outside acceptance criteria.
EJN	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (graphite furnace atomic absorption [GFAA])—The result for this analyte failed one or more Control Laboratory Program (CLP) acceptance criteria as explained in the case narrative. (J) (Organic/General Inorganics)—The result for this analyte was greater than the MDL but less than the PQL. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
EN	See E code and see N code.

Analytical Laboratory Qualifier Codes (continued)

Laboratory Qualifier Code	Laboratory Qualifier Description
EN*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (N) (Organic)—The reported analyte is a TIC. (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
H	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded.
H*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. * (Organic) and (Inorganic)—The result for this analyte in the laboratory control sample analysis was outside acceptance criteria.
HJ	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. (J) (Organic/General Inorganics)—The result for this analyte was greater than the MDL but less than the PQL.
HJ*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. (J) (Organic/General Inorganics)—The result for this analyte was greater than the MDL but less than the PQL. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
INS	(d15N)—The d15N of nitrate is a signature of the nitrate present in a sample. Therefore, nitrate has to be present to have a signature. A d15N value cannot be given to a blank, since the blank does not have nitrate. This is different than most analytical methods where you would run a blank and use the designator: “nondetect” or detected, but below detection limit.
J	(Inorganic)—The associated numerical value is an estimated quantity. (Organic)—The associated numerical value is an estimated quantity.
J*	This code is no longer used.
JB	See J code and see B code
JN	(J) (Organic/General Inorganics)—The result for this analyte was greater than the MDL but less than the Practical Quantitation Limit (PQL). (N) (Organic)—The reported analyte is a TIC.
JN*	(J) (Organic/Inorganic/General Inorganics)—The result for this analyte was greater than the MDL but less than the PQL. (N) (Organic)—The reported analyte is a TIC.
JP	See J code and see P code.
N	(Organic)—Presumptive evidence of presence of material. (Inorganic)—Spiked sample recovery not within control limits.
N*	This code is no longer used.
P	This code is no longer used.
U	(Inorganic)—The material was analyzed for but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.

Analytical Laboratory Qualifier Codes (continued)

Laboratory Qualifier Code	Laboratory Qualifier Description
U*	See U code and see * code.
UE	See U code and see E code.
UEN	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. Spiked sample recovery not within control limits.
UH	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded.
UH*	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. * (Inorganic)—The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.
UI	This code is no longer used.
UN	EPA flag (Inorganic)—Compound was analyzed for but was not detected. Spiked sample recovery not within control limits.
UN*	EPA flag (Inorganic)—Compound was analyzed for but was not detected. Spiked sample recovery not within control limits. Duplicate analysis not within control limits.
X	The result for this analyte was not detected at the specified reporting limit (used for gas chromatography methods).

Table D-1
Surface Water Metals

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Field QC Type Code	Symbol	Result	Method Detection Limit	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NM Aquatic Chronic (100 mg hardness)	Ratio (Result/Screening Level)
WS	Rio de los Frijoles at Bandelier (E350)	10/21/09	Al	F	—*	—	114	68	µg/L	GELC	J	J	J_LAB	SW-846:6010B	87	1.31

* — None.

Table D-2
Surface Water Perchlorate

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Analytical Method Code	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	Rio de los Frijoles at Bandelier (E350)	10/21/09	—*	F	SW-846:6850	—	0.124	0.05	µg/L	1	J	J	J_LAB	GELC

* — None.

Table D-3
Groundwater Organics

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Analytical Suite Code	Analyte	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)
Regional	Test Well DT-5A	SINGLE	1172	10/28/09	FTB	UF	VOA	Chloromethane	—*	0.36	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	190	—
Regional	Test Well DT-9	SINGLE	1040	10/28/09	FTB	UF	VOA	Chloromethane	—	0.38	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	190	—
Regional	Test Well DT-10	SINGLE	1080	10/22/09	FTB	UF	VOA	Chloromethane	—	0.36	0.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	190	—
Regional	R-31	MULTI	830.9	10/22/09	FTB	UF	VOA	Chloromethane	—	0.48	0.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	190	—
Regional	R-31	MULTI	1011.3	10/22/09	FTB	UF	VOA	Chloromethane	—	0.39	0.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	190	—

* — None.

Table D-4
Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Method Code	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	Test Well DT-5A	SINGLE	1172	10/28/09	—*	F	CS	SW-846:6850	—	0.259	0.05	µg/L	1	—	—	—	GELC
Regional	Test Well DT-9	SINGLE	1040	10/28/09	—	F	CS	SW-846:6850	—	0.265	0.05	µg/L	1	—	—	—	GELC
Regional	Test Well DT-10	SINGLE	1080	10/22/09	—	F	CS	SW-846:6850	—	0.181	0.05	µg/L	1	J	J	J_LAB	GELC
Regional	R-31	MULTI	831	10/22/09	—	F	CS	SW-846:6850	—	0.219	0.05	µg/L	1	—	—	—	GELC
Regional	R-31	MULTI	1011	10/22/09	—	F	CS	SW-846:6850	—	0.197	0.05	µg/L	1	J	J	J_LAB	GELC

* — None.

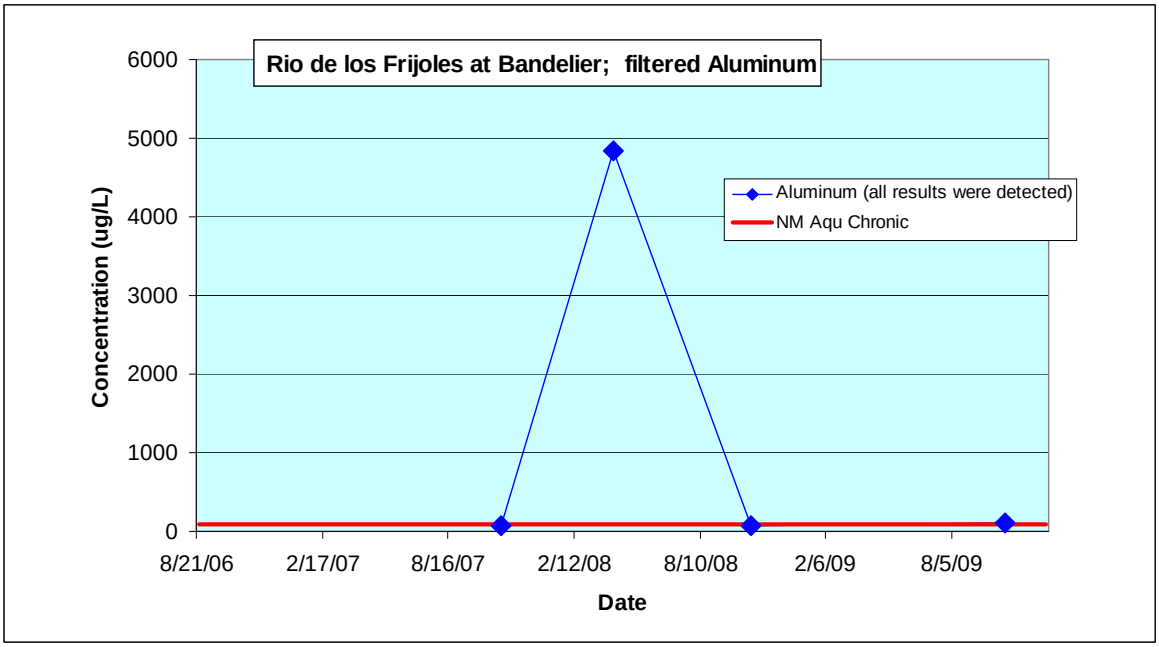
Table D-5
Groundwater Radionuclides

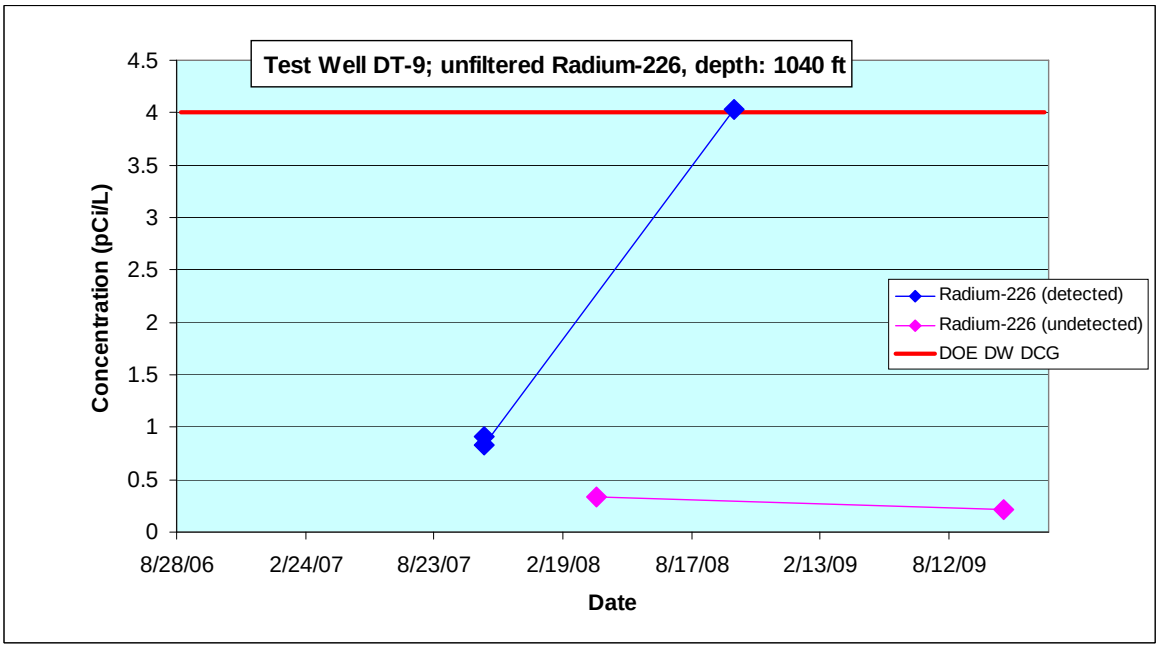
Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Field QC Type Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE Drinking Water DCG Scr Lvl	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)	NMED Radiation Protection Standard	Ratio (Result/Screening Level)
Regional	Test Well DT-9	SINGLE	1040	10/28/09	Ra-226	UF	—*	<	0.218	0.08	0.17	pCi/L	GELC	EPA:903.1	—	U	R11	100	—	4	0.05	5	0.04	30	0.01	60	—
Regional	Test Well DT-10	SINGLE	1080	10/22/09	Ra-226	UF	—	—	1.01	0.27	0.61	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.25	5	0.2	30	0.03	60	0.02

* — None.

Appendix E

Analytical Chemistry Graphs of Screening-Level Exceedances


Rio de los Frijoles at Bandelier; filtered Aluminum
Concentration (ug/L)
6000
5000
4000
3000
2000
1000
0
8/21/06
2/17/07
8/16/07
2/12/08
8/10/08
2/6/09
8/5/09
Date
Aluminum (all results were detected)
NM Aqu Chronic


Test Well DT-9; unfiltered Radium-226, depth: 1040 ft
Concentration (pCi/L)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
8/28/06
2/24/07
8/23/07
2/19/08
8/17/08
2/13/09
8/12/09
Date
Radium-226 (detected)
Radium-226 (undetected)
DOE DW DCG

Appendix F

Analytical Reports
(on CD included with this document)

DVD Table of Contents

Request	Suite	Lab	Sample	Date	Location
10-224	GENINORG	GELC	CAAN-09-14357	10/21/2009	Rio de los Frijoles at Bandelier
10-224	GENINORG	GELC	CAAN-09-14359	10/21/2009	Rio de los Frijoles at Bandelier
10-224	METALS	GELC	CAAN-09-14357	10/21/2009	Rio de los Frijoles at Bandelier
10-224	METALS	GELC	CAAN-09-14359	10/21/2009	Rio de los Frijoles at Bandelier
10-224	RAD	GELC	CAAN-09-14357	10/21/2009	Rio de los Frijoles at Bandelier
10-233	GENINORG	GELC	CAAN-09-14339	10/22/2009	Test Well DT-10
10-233	GENINORG	GELC	CAAN-09-14341	10/22/2009	Test Well DT-10
10-233	HERB	GELC	CAAN-09-14341	10/22/2009	Test Well DT-10
10-233	HEXP	GELC	CAAN-09-14341	10/22/2009	Test Well DT-10
10-233	METALS	GELC	CAAN-09-14339	10/22/2009	Test Well DT-10
10-233	METALS	GELC	CAAN-09-14341	10/22/2009	Test Well DT-10
10-233	PEST/PCB	GELC	CAAN-09-14341	10/22/2009	Test Well DT-10
10-233	RAD	GELC	CAAN-09-14341	10/22/2009	Test Well DT-10
10-233	SVOA	GELC	CAAN-09-14340	10/22/2009	Test Well DT-10
10-233	SVOA	GELC	CAAN-09-14341	10/22/2009	Test Well DT-10
10-233	VOA	GELC	CAAN-09-14340	10/22/2009	Test Well DT-10
10-233	VOA	GELC	CAAN-09-14341	10/22/2009	Test Well DT-10
10-233	VOA	GELC	CAAN-09-14342	10/22/2009	Test Well DT-10
10-237	HEXP	GELC	CAAN-09-14345	10/22/2009	R-31
10-237	HEXP	GELC	CAAN-09-14349	10/22/2009	R-31
10-237	RAD	GELC	CAAN-09-14345	10/22/2009	R-31
10-237	RAD	GELC	CAAN-09-14349	10/22/2009	R-31
10-237	VOA	GELC	CAAN-09-14345	10/22/2009	R-31
10-237	VOA	GELC	CAAN-09-14346	10/22/2009	R-31
10-237	VOA	GELC	CAAN-09-14347	10/22/2009	R-31
10-237	VOA	GELC	CAAN-09-14349	10/22/2009	R-31
10-237	VOA	GELC	CAAN-09-14350	10/22/2009	R-31
10-237	VOA	GELC	CAAN-09-14352	10/22/2009	R-31
10-238	GENINORG	GELC	CAAN-09-14344	10/22/2009	R-31
10-238	GENINORG	GELC	CAAN-09-14345	10/22/2009	R-31
10-238	GENINORG	GELC	CAAN-09-14348	10/22/2009	R-31
10-238	GENINORG	GELC	CAAN-09-14349	10/22/2009	R-31
10-238	METALS	GELC	CAAN-09-14344	10/22/2009	R-31
10-238	METALS	GELC	CAAN-09-14345	10/22/2009	R-31
10-238	METALS	GELC	CAAN-09-14348	10/22/2009	R-31
10-238	METALS	GELC	CAAN-09-14349	10/22/2009	R-31
10-240	HEXP	STSL	CAAN-09-14341	10/22/2009	Test Well DT-10
10-240	HEXP	STSL	CAAN-09-14345	10/22/2009	R-31
10-240	HEXP	STSL	CAAN-09-14349	10/22/2009	R-31

Request	Suite	Lab	Sample	Date	Location
10-256	HEXP	STSL	CAAN-09-14353	10/26/2009	R-31
10-256	HEXP	STSL	CAAN-09-14356	10/26/2009	R-31
10-257	HEXP	GELC	CAAN-09-14353	10/26/2009	R-31
10-257	HEXP	GELC	CAAN-09-14356	10/26/2009	R-31
10-289	HEXP	STSL	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-289	HEXP	STSL	CAAN-09-14338	10/28/2009	Test Well DT-9
10-290	GENINORG	GELC	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-290	GENINORG	GELC	CAAN-09-14338	10/28/2009	Test Well DT-9
10-290	HERB	GELC	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-290	HERB	GELC	CAAN-09-14338	10/28/2009	Test Well DT-9
10-290	HEXP	GELC	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-290	HEXP	GELC	CAAN-09-14338	10/28/2009	Test Well DT-9
10-290	PEST/PCB	GELC	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-290	PEST/PCB	GELC	CAAN-09-14338	10/28/2009	Test Well DT-9
10-290	SVOA	GELC	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-290	SVOA	GELC	CAAN-09-14330	10/28/2009	Test Well DT-5A
10-290	SVOA	GELC	CAAN-09-14337	10/28/2009	Test Well DT-9
10-290	SVOA	GELC	CAAN-09-14338	10/28/2009	Test Well DT-9
10-290	VOA	GELC	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-290	VOA	GELC	CAAN-09-14330	10/28/2009	Test Well DT-5A
10-290	VOA	GELC	CAAN-09-14334	10/28/2009	Test Well DT-5A
10-290	VOA	GELC	CAAN-09-14335	10/28/2009	Test Well DT-9
10-290	VOA	GELC	CAAN-09-14337	10/28/2009	Test Well DT-9
10-290	VOA	GELC	CAAN-09-14338	10/28/2009	Test Well DT-9
10-291	GENINORG	GELC	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-291	GENINORG	GELC	CAAN-09-13885	10/28/2009	Test Well DT-5A
10-291	GENINORG	GELC	CAAN-09-14336	10/28/2009	Test Well DT-9
10-291	GENINORG	GELC	CAAN-09-14338	10/28/2009	Test Well DT-9
10-291	METALS	GELC	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-291	METALS	GELC	CAAN-09-13885	10/28/2009	Test Well DT-5A
10-291	METALS	GELC	CAAN-09-14336	10/28/2009	Test Well DT-9
10-291	METALS	GELC	CAAN-09-14338	10/28/2009	Test Well DT-9
10-292	RAD	GELC	CAAN-09-13675	10/28/2009	Test Well DT-5A
10-292	RAD	GELC	CAAN-09-14338	10/28/2009	Test Well DT-9

GENINORG = General inorganics.
HERB = Herbicides.
HEXP = High explosives.
PEST/PCB = Pesticides/polychlorinated biphenyls.
RAD = Radionuclides.
SVOA = Semivolatile organic analysis.
VOA = Volatile organic analysis.