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Periodic Monitoring Report for Ancho Watershed, March 25–April 13, 2011

Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Ancho Watershed. This PME was conducted pursuant to the 2010 Interim Facility-Wide Groundwater Monitoring Plan, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from March 25–April 13, 2011, and included monitoring of groundwater wells or well ports, springs, and base-flow stations. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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

No surface-water locations were sampled during this PME. No surface-water results from prior PMEs reported in this PMR were above screening levels.

No groundwater results unreported from previous PME samples were above screening levels. No groundwater results from the current PME were above screening levels.

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Acronyms and Abbreviations

AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
cfs	cubic feet per second
Consent Order	Compliance Order on Consent
DCG	Derived Concentration Guide (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
F	filtered
GW	groundwater
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDL	method detection limit
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit(s)
PME	periodic monitoring event
PMR	periodic monitoring report
PQL	practical quantitation limit
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RPF	Records Processing Facility
SOP	standard operating procedure
STD	standard
SU	standard unit
SWMU	solid waste management unit
TA	technical area
TNT	2,4,6-trinitrotoluene
UF	unfiltered

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of semiannual groundwater and surface-water 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 2010, 109830) prepared in accordance with the Compliance Order on Consent (Consent Order). This periodic monitoring event (PME) occurred from March 25 to April 13, 2011, and included sampling at groundwater wells or well ports, springs, and base-flow stations. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

Sections VIII.A and VIII.C of the Consent Order identify New Mexico Water Quality Control Commission (NMWQCC) groundwater and surface-water 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 regional screening levels for tap water 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
- screening analysis results (comparing these 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 TA-39's operational history and its SWMUs and AOCs can be found in the "RFI Work Plan 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).

2.0 SCOPE OF ACTIVITIES

The PME for the Ancho Watershed was conducted pursuant to the 2010 IFGMP (LANL 2010, 109830).

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, and base flow 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 2010 IFGMP (LANL 2010, 109830).

3.2 Field Parameter Results

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

3.3 Water-Level Observations

The periodic monitoring water-level data for this event and the previous four monitoring events are presented in Appendix B (on CD included with this document). 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 these PMEs are shown graphically in Figure 3.3-1. No surface-water locations were sampled during this PME, so there is no figure showing base-flow measurements.

3.4 Deviations from Planned Scope

Table 3.4-1 describes the fieldwork deviations from the planned scope of the PMEs. There were no fieldwork deviations for the current PME. Table 3.4-2 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 2010 IFGMP (LANL 2010, 109830). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737) and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 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 required analysis.

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 was 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 were 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). AQA's reviews 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 was 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 nondetect.

4.2 Analytical Data

Appendix C presents the analytical data from this PME and from the four sampling events immediately before the March–April 2011 sampling event. The analytical laboratory reports (including chain-of-custody forms and data validation) are provided in Appendix F (on CD included with this document).

Appendix C 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 unusable but are still reported.
    - ❖ Analytical laboratory QC results, including matrix spike and matrix spike duplicates, are not included in the data set.
    - ❖ Field duplicates, reanalyses, field blanks, trip blanks, equipment blanks, and results from different analytical methods are reported.

- Radionuclides
    - ❖ Only cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
    - ❖ Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
    - ❖ Low-detection-limit tritium results greater than 3 times the 1 standard deviation total propagated analytical uncertainty are considered to be detections.
    - ❖ Otherwise, all results are reported at all locations.
- Nonradionuclides
    - ❖ All results, excluding nondetections, are reported.

The results of data screening for this PMR appear in Tables D-1 through D-5 in Appendix D. These tables show all detected analytical results for perchlorate, radionuclides, and organic compounds, and all analytical results greater than half the lowest applicable screening-level values for metals and general inorganic compounds. Because uranium, gross alpha, and gross beta are usually detected in water samples and to focus on the higher measurements, the tables include only occurrences of these measurements above threshold values. (All of the detected results are included in Appendix C.) The threshold levels are 5 µg/L for uranium, 5 pCi/L for gross alpha, and 20 pCi/L for gross beta, which are lower than the respective screening levels (30 µg/L for uranium, 15 pCi/L for gross alpha, and 50 pCi/L for gross beta). The sources of screening levels with which the results are compared are listed in Table 4.2-1.

Data for PMRs are evaluated using the following screening process.

- Surface-water sampling results were compared with all surface-water standards without consideration of the designated use for the particular reach.
- Surface-water and groundwater perchlorate data were compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order.
- Other groundwater data are screened to the lesser of the EPA MCL or the NMWQCC groundwater standard for an analyte.
- The NMWQCC groundwater standards apply 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. EPA MCLs are applied to both filtered and unfiltered sample results.
- As required by the Consent Order, EPA Regional Screening Levels for Tap Water (formerly Region 6 Screening Levels for Tap Water) are used for constituents that have no other regulatory standard and for which toxicological information is published. These screening levels are for either a cancer- or noncancer-risk type. For the cancer-risk type, the EPA screening levels are for 10^{-6} excess cancer risk. The Consent Order specifies screening with these values at a 10^{-5} (rather than 10^{-6}) excess cancer risk. Therefore, the screening levels in the tables are 10 times the EPA 10^{-6} screening values.
- The analytical results for radioactivity are compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Guides (DCGs) for groundwater.

Table 4.2-2 provides surface-water and groundwater analytical results (by hydrogeologic zone for a specific analytical suite) that are above screening levels. Multiple detections of a particular constituent at a location were 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.

Graphs in Appendix E display concentration histories of analytes for locations where the analyte was above its screening level at least once during the three most recent PMEs. The concentration of the analyte is plotted for a 3-yr period. If 3 yr of data are not available, then all available results for the analyte are plotted. When shown, the solid red lines depict applicable screening levels.

No exceedance map is included for the current PME because no analyte was above its screening level at more than one location for this round of sampling.

4.2.1 Surface Water (Base Flow)

No surface-water locations were sampled during this PME. No surface-water results from prior PMEs reported in this PMR were above screening levels.

4.2.2 Groundwater

No groundwater results unreported from previous PME samples were above screening levels. No groundwater results from the current PME were above screening levels.

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

The field parameter monitoring results are presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

No surface-water locations were sampled during this PME. No surface-water results from prior PMEs reported in this PMR were above screening levels.

For results above screening levels, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

5.2.2 Groundwater

No groundwater results unreported from previous PME samples were above screening levels. No groundwater results from the current PME were above screening levels.

For results above screening levels, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

5.3 Data Gaps

Table 3.4-1 summarizes the field deviations encountered during this PME. The table provides a detailed account of sampling-event deviations.

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 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), September 2008. "Periodic Monitoring Report for White Rock Watershed, April 23–April 30, 2008," Los Alamos National Laboratory document LA-UR-08-5847, Los Alamos, New Mexico. (LANL 2008, 103737)

LANL (Los Alamos National Laboratory), June 2010. "2010 Interim Facility-Wide Groundwater Monitoring Plan," Los Alamos National Laboratory document LA-UR-10-1777, Los Alamos, New Mexico. (LANL 2010, 109830)

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)

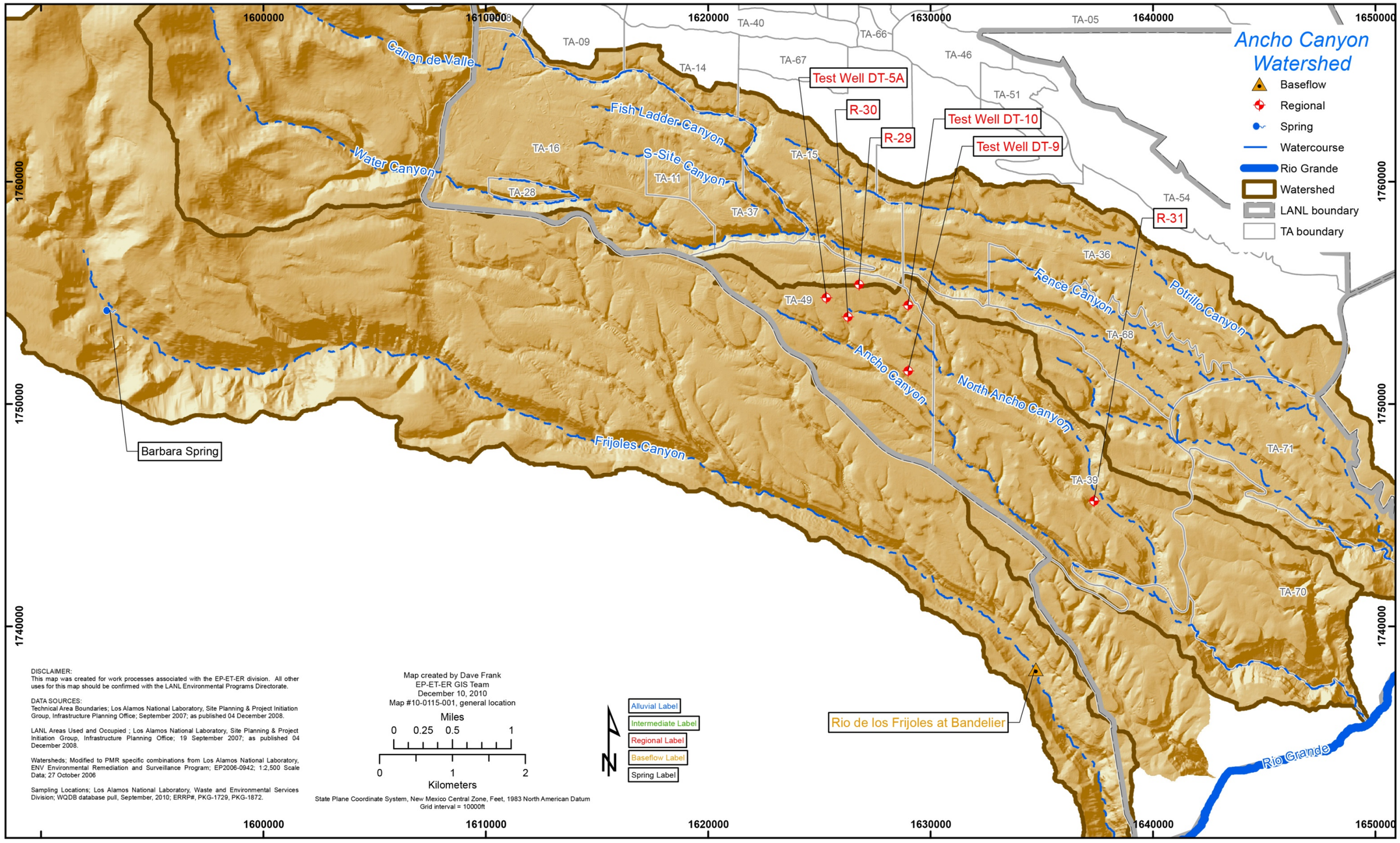


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

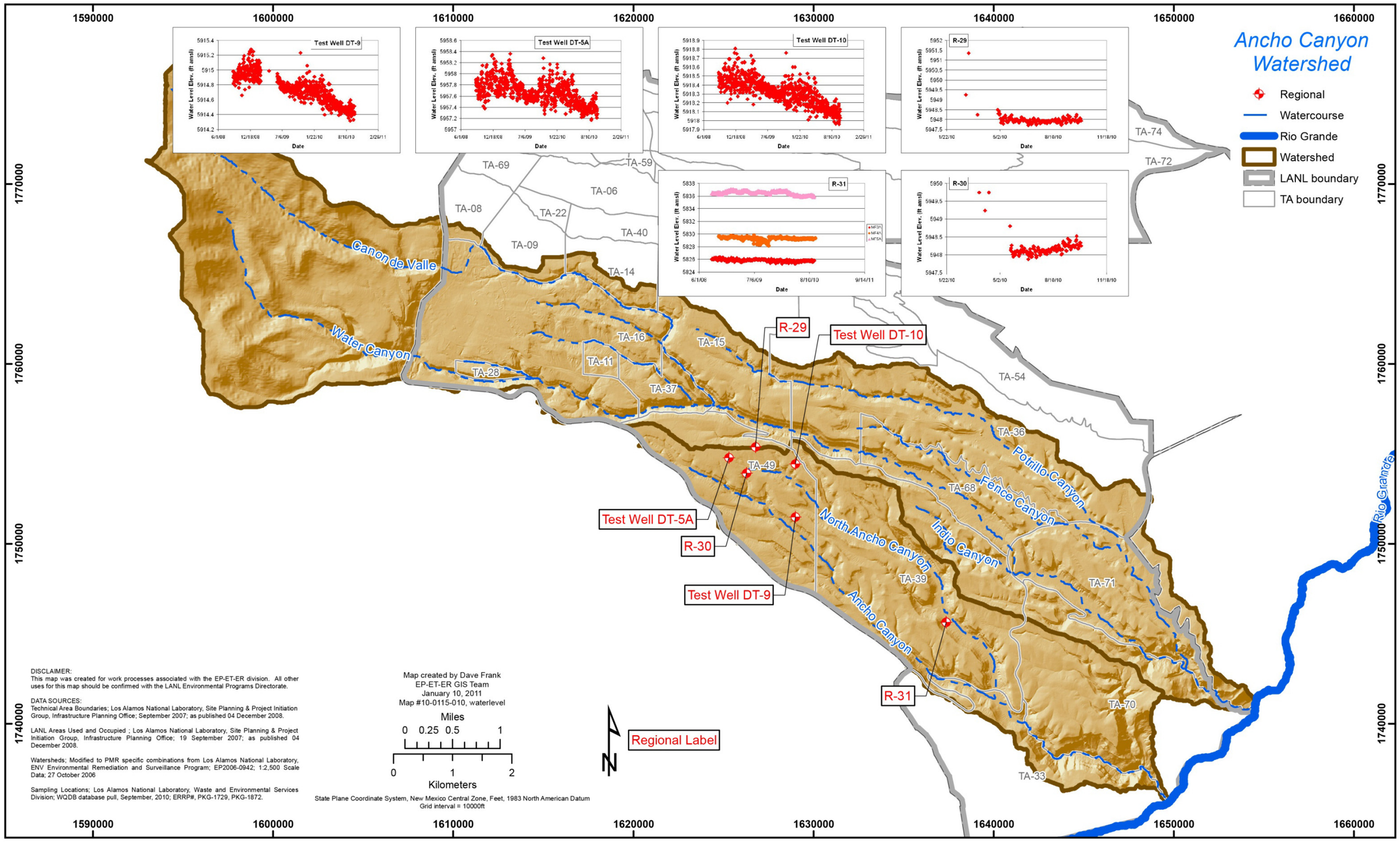


Figure 3.3-1 Groundwater elevations

Table 2.0-1
Ancho Watershed Monitoring Locations and General Information

Location	Date	Port Name	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Flow (cfs*)
Regional									
R-29	12/03/10	Single	1170	10	1170	1180	40.6	519	0.013
R-29	01/07/11	Single	1170	10	1170	1180	40.64	334	0.014
R-29	04/06/11	Single	1170	10	1170	1180	40.64	334	0.014
R-30	12/03/10	Single	1140	21	1140	1160.9	48.1	145	0.012
R-30	04/05/11	Single	1140	21	1140	1160.9	48.01	177	0.011
Test Well DT-10	03/28/11	Single	1078	330	1078	1408	771.73	809	0.017
Test Well DT-5A	03/29/11	Single	1172	617	1171.5	1788.5	1595.97	1601	0.018
Test Well DT-9	03/29/11	Single	819	681	819	1500	2216	2216	0.0076

*cfs =Cubic feet per second.

Table 3.4-1
Ancho PME Observations and Deviations

Location	Deviation	Cause	Comment
n/a*	There were no fieldwork deviations for this PME.	n/a	n/a

* n/a = Not applicable.

Table 3.4-2
Analytes with PQLs and MDLs above Screening-Level Values

CAS No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
Radionuclides						
Np-237	Neptunium-237	n/a*	10	1.2	pCi/L	DOE DCG
Semivolatile Organic Analytes						
1912-24-9	Atrazine	2	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	2	50	0.00094	µg/L	EPA Regional Tap
56-55-3	Benzo(a)anthracene	0.2	1	0.29	µg/L	EPA Regional Tap
50-32-8	Benzo(a)pyrene	0.2	1	0.2	µg/L	EPA MCL
205-99-2	Benzo(b)fluoranthene	0.2	1	0.29	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	2	10	0.12	µg/L	EPA Regional Tap
117-81-7	Bis(2-ethylhexyl)phthalate	2	10	6	µg/L	EPA MCL
106-47-8	Chloroaniline[4-]	2	10	3.4	µg/L	EPA Regional Tap
53-70-3	Dibenz(a,h)anthracene	0.2	1	0.029	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	1	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	3.6	µg/L	EPA Regional Tap
121-14-2	Dinitrotoluene[2,4-]	2	10	2.2	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
87-68-3	Hexachlorobutadiene	2	10	8.6	µg/L	EPA Regional Tap
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	µg/L	EPA Regional Tap
98-95-3	Nitrobenzene	3	10	1.2	µg/L	EPA Regional Tap
55-18-5	Nitrosodiethylamine[N-]	2	10	0.0014	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	2	10	0.0042	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	2	10	0.024	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	2	10	0.096	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	2	10	0.32	µg/L	EPA Regional Tap
108-60-1	Oxybis(1-chloropropane)[2,2'-]	2	10	3.2	µg/L	EPA Regional Tap
87-86-5	Pentachlorophenol	2	10	1	µg/L	EPA MCL
108-95-2	Phenol	1	10	5	µg/L	NM GW STD
Volatile Organic Analytes						
107-02-8	Acrolein	3	5	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1	5	0.45	µg/L	EPA Regional Tap
96-12-8	Dibromo-3-chloropropane[1,2-]	0.5	1	0.2	µg/L	EPA MCL
106-93-4	Dibromoethane[1,2-]	0.25	1	0.05	µg/L	EPA MCL
126-98-7	Methacrylonitrile	1	5	1	µg/L	EPA Regional Tap
96-18-4	Trichloropropane[1,2,3-]	0.3	1	0.0072	µg/L	EPA Regional Tap

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

* n/a = Not applicable.

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

Standard Type	Groundwater	Surface Water
DOE BCGs	n/a[a]	X[b]
DOE 100-mrem Public Dose DCG	X	n/a
DOE 4-mrem Drinking Water DCG	X	n/a
EPA MCL	X	n/a
EPA Regional Tap Water Screening Level	X	n/a
New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
NMWQCC Groundwater Standard	X	n/a
NMWQCC Irrigation Standard	n/a	X
NMWQCC Livestock Watering Standard	n/a	X
NMWQCC Wildlife Habitat Standard	n/a	X
NMWQCC Aquatic Life Standards Acute	n/a	X
NMWQCC Aquatic Life Standards Chronic	n/a	X
NMWQCC Human Health Standard	n/a	X

[a] n/a = Not applicable.

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

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

Location	Date	Analyte	Field Preparation	Result	Unit	Screening-Level Value	Screening-Level Source
Regional Aquifer							
No results were above screening levels for this PME.							

Appendix A

Field Parameter Results, Including Results from Previous Four Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-29	9051	1170	04/06/11	WG[a]	Dissolved Oxygen	7.12	mg/L	CAAN-11-5485
R-29	9051	1170	01/07/11	WG	Dissolved Oxygen	5.83	mg/L	CAAN-11-3194
R-29	9051	1170	01/07/11	WG	Dissolved Oxygen	4.75	mg/L	CAAN-11-3199
R-29	9051	1170	01/07/11	WG	Dissolved Oxygen	4.2	mg/L	CAAN-11-3198
R-29	9051	1170	01/07/11	WG	Dissolved Oxygen	5.83	mg/L	CAAN-11-3197
R-29	9051	1170	12/03/10	WG	Dissolved Oxygen	5.83	mg/L	CAAN-11-2159
R-29	9051	1170	12/03/10	WG	Dissolved Oxygen	5.64	mg/L	CAAN-11-2510
R-29	9051	1170	12/03/10	WG	Dissolved Oxygen	2.53	mg/L	CAAN-11-2509
R-29	9051	1170	12/03/10	WG	Dissolved Oxygen	1.55	mg/L	CAAN-11-2508
R-29	9051	1170	09/23/10	WG	Dissolved Oxygen	3.84	mg/L	CAAN-10-25943
R-29	9051	1170	05/10/10	WG	Dissolved Oxygen	3.56	mg/L	CAWA-10-17191
R-29	9051	1170	04/06/11	WG	Oxidation Reduction Potential	16.6	mV	CAAN-11-5485
R-29	9051	1170	01/07/11	WG	Oxidation Reduction Potential	271.2	mV	CAAN-11-3194
R-29	9051	1170	01/07/11	WG	Oxidation Reduction Potential	319.3	mV	CAAN-11-3199
R-29	9051	1170	01/07/11	WG	Oxidation Reduction Potential	236.1	mV	CAAN-11-3197
R-29	9051	1170	12/03/10	WG	Oxidation Reduction Potential	236.1	mV	CAAN-11-2159
R-29	9051	1170	12/03/10	WG	Oxidation Reduction Potential	150	mV	CAAN-11-2510
R-29	9051	1170	12/03/10	WG	Oxidation Reduction Potential	214.3	mV	CAAN-11-2509
R-29	9051	1170	12/03/10	WG	Oxidation Reduction Potential	80.4	mV	CAAN-11-2508
R-29	9051	1170	09/23/10	WG	Oxidation Reduction Potential	–63.1	mV	CAAN-10-25943
R-29	9051	1170	05/10/10	WG	Oxidation Reduction Potential	253.2	mV	CAWA-10-17191
R-29	9051	1170	04/06/11	WG	pH	7.8	SU[b]	CAAN-11-5485
R-29	9051	1170	01/07/11	WG	pH	7.77	SU	CAAN-11-3194
R-29	9051	1170	01/07/11	WG	pH	8.14	SU	CAAN-11-3199
R-29	9051	1170	01/07/11	WG	pH	7.77	SU	CAAN-11-3198
R-29	9051	1170	01/07/11	WG	pH	7.58	SU	CAAN-11-3197
R-29	9051	1170	12/03/10	WG	pH	7.58	SU	CAAN-11-2159
R-29	9051	1170	12/03/10	WG	pH	7.47	SU	CAAN-11-2510

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-29	9051	1170	12/03/10	WG	pH	7.87	SU	CAAN-11-2509
R-29	9051	1170	12/03/10	WG	pH	7.71	SU	CAAN-11-2508
R-29	9051	1170	09/23/10	WG	pH	7.4	SU	CAAN-10-25943
R-29	9051	1170	05/10/10	WG	pH	8	SU	CAWA-10-17191
R-29	9051	1170	04/06/11	WG	Specific Conductance	139	µS/cm	CAAN-11-5485
R-29	9051	1170	01/07/11	WG	Specific Conductance	144	µS/cm	CAAN-11-3194
R-29	9051	1170	01/07/11	WG	Specific Conductance	150	µS/cm	CAAN-11-3199
R-29	9051	1170	01/07/11	WG	Specific Conductance	176	µS/cm	CAAN-11-3198
R-29	9051	1170	01/07/11	WG	Specific Conductance	161	µS/cm	CAAN-11-3197
R-29	9051	1170	12/03/10	WG	Specific Conductance	161	µS/cm	CAAN-11-2159
R-29	9051	1170	12/03/10	WG	Specific Conductance	159	µS/cm	CAAN-11-2510
R-29	9051	1170	12/03/10	WG	Specific Conductance	179	µS/cm	CAAN-11-2509
R-29	9051	1170	12/03/10	WG	Specific Conductance	265	µS/cm	CAAN-11-2508
R-29	9051	1170	09/23/10	WG	Specific Conductance	248	µS/cm	CAAN-10-25943
R-29	9051	1170	05/10/10	WG	Specific Conductance	170	µS/cm	CAWA-10-17191
R-29	9051	1170	04/06/11	WG	Temperature	18.18	deg C	CAAN-11-5485
R-29	9051	1170	01/07/11	WG	Temperature	16.07	deg C	CAAN-11-3194
R-29	9051	1170	01/07/11	WG	Temperature	17.75	deg C	CAAN-11-3199
R-29	9051	1170	01/07/11	WG	Temperature	14.1	deg C	CAAN-11-3198
R-29	9051	1170	01/07/11	WG	Temperature	18.41	deg C	CAAN-11-3197
R-29	9051	1170	12/03/10	WG	Temperature	18.41	deg C	CAAN-11-2159
R-29	9051	1170	12/03/10	WG	Temperature	18.32	deg C	CAAN-11-2510
R-29	9051	1170	12/03/10	WG	Temperature	18.14	deg C	CAAN-11-2509
R-29	9051	1170	12/03/10	WG	Temperature	15.77	deg C	CAAN-11-2508
R-29	9051	1170	09/23/10	WG	Temperature	18.5	deg C	CAAN-10-25943
R-29	9051	1170	05/10/10	WG	Temperature	17.65	deg C	CAWA-10-17191
R-29	9051	1170	04/06/11	WG	Turbidity	8.57	NTU[c]	CAAN-11-5485
R-29	9051	1170	01/07/11	WG	Turbidity	3.18	NTU	CAAN-11-3194

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-29	9051	1170	01/07/11	WG	Turbidity	4.95	NTU	CAAN-11-3199
R-29	9051	1170	01/07/11	WG	Turbidity	8.8	NTU	CAAN-11-3198
R-29	9051	1170	01/07/11	WG	Turbidity	4.7	NTU	CAAN-11-3197
R-29	9051	1170	12/03/10	WG	Turbidity	4.7	NTU	CAAN-11-2159
R-29	9051	1170	12/03/10	WG	Turbidity	8.15	NTU	CAAN-11-2510
R-29	9051	1170	12/03/10	WG	Turbidity	5.76	NTU	CAAN-11-2509
R-29	9051	1170	12/03/10	WG	Turbidity	8.41	NTU	CAAN-11-2508
R-29	9051	1170	09/23/10	WG	Turbidity	17.5	NTU	CAAN-10-25943
R-29	9051	1170	05/10/10	WG	Turbidity	26	NTU	CAWA-10-17191
R-30	9091	1140	04/05/11	WG	Dissolved Oxygen	8.12	mg/L	CAAN-11-5489
R-30	9091	1140	12/03/10	WG	Dissolved Oxygen	4.25	mg/L	CAAN-11-2163
R-30	9091	1140	09/23/10	WG	Dissolved Oxygen	7.09	mg/L	CAAN-10-25948
R-30	9091	1140	05/19/10	WG	Dissolved Oxygen	7.04	mg/L	CAAN-10-17252
R-30	9091	1140	04/05/11	WG	Oxidation Reduction Potential	53.7	mV	CAAN-11-5489
R-30	9091	1140	12/03/10	WG	Oxidation Reduction Potential	7.7	mV	CAAN-11-2163
R-30	9091	1140	09/23/10	WG	Oxidation Reduction Potential	–67.2	mV	CAAN-10-25948
R-30	9091	1140	05/19/10	WG	Oxidation Reduction Potential	414.5	mV	CAAN-10-17252
R-30	9091	1140	04/05/11	WG	pH	7.94	SU	CAAN-11-5489
R-30	9091	1140	12/03/10	WG	pH	7.94	SU	CAAN-11-2163
R-30	9091	1140	09/23/10	WG	pH	7.74	SU	CAAN-10-25948
R-30	9091	1140	05/19/10	WG	pH	7.02	SU	CAAN-10-17252
R-30	9091	1140	04/05/11	WG	Specific Conductance	127	µS/cm	CAAN-11-5489
R-30	9091	1140	12/03/10	WG	Specific Conductance	120	µS/cm	CAAN-11-2163
R-30	9091	1140	09/23/10	WG	Specific Conductance	124	µS/cm	CAAN-10-25948
R-30	9091	1140	05/19/10	WG	Specific Conductance	122	µS/cm	CAAN-10-17252
R-30	9091	1140	04/05/11	WG	Temperature	18.36	deg C	CAAN-11-5489
R-30	9091	1140	12/03/10	WG	Temperature	19.77	deg C	CAAN-11-2163
R-30	9091	1140	09/23/10	WG	Temperature	20.2	deg C	CAAN-10-25948

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-30	9091	1140	05/19/10	WG	Temperature	19.97	deg C	CAAN-10-17252
R-30	9091	1140	04/05/11	WG	Turbidity	3.62	NTU	CAAN-11-5489
R-30	9091	1140	12/03/10	WG	Turbidity	1.44	NTU	CAAN-11-2163
R-30	9091	1140	09/23/10	WG	Turbidity	3.24	NTU	CAAN-10-25948
R-30	9091	1140	05/19/10	WG	Turbidity	2.54	NTU	CAAN-10-17252
Test Well DT-10	1811	1078	03/28/11	WG	Dissolved Oxygen	5.51	mg/L	CAAN-11-5103
Test Well DT-10	1811	1078	09/24/10	WG	Dissolved Oxygen	4.77	mg/L	CAAN-10-25934
Test Well DT-10	1811	1078	04/14/10	WG	Dissolved Oxygen	4.91	mg/L	CAAN-10-15262
Test Well DT-10	1811	1078	10/22/09	WG	Dissolved Oxygen	5.32	mg/L	CAAN-09-14341
Test Well DT-10	1811	1078	04/16/08	WG	Dissolved Oxygen	4.83	mg/L	CAAN-08-11737
Test Well DT-10	1811	1078	03/28/11	WG	Oxidation Reduction Potential	–8.7	mV	CAAN-11-5103
Test Well DT-10	1811	1078	09/24/10	WG	Oxidation Reduction Potential	–22.9	mV	CAAN-10-25934
Test Well DT-10	1811	1078	04/14/10	WG	Oxidation Reduction Potential	87.4	mV	CAAN-10-15262
Test Well DT-10	1811	1078	10/22/09	WG	Oxidation Reduction Potential	–56.4	mV	CAAN-09-14341
Test Well DT-10	1811	1078	04/16/08	WG	Oxidation Reduction Potential	243	mV	CAAN-08-11737
Test Well DT-10	1811	1078	03/28/11	WG	pH	8.35	SU	CAAN-11-5103
Test Well DT-10	1811	1078	09/24/10	WG	pH	8.07	SU	CAAN-10-25934
Test Well DT-10	1811	1078	04/14/10	WG	pH	8.17	SU	CAAN-10-15262
Test Well DT-10	1811	1078	10/22/09	WG	pH	8.05	SU	CAAN-09-14341
Test Well DT-10	1811	1078	03/28/11	WG	Specific Conductance	153	µS/cm	CAAN-11-5103
Test Well DT-10	1811	1078	09/24/10	WG	Specific Conductance	133	µS/cm	CAAN-10-25934
Test Well DT-10	1811	1078	04/14/10	WG	Specific Conductance	137	µS/cm	CAAN-10-15262
Test Well DT-10	1811	1078	10/22/09	WG	Specific Conductance	130	µS/cm	CAAN-09-14341
Test Well DT-10	1811	1078	03/28/11	WG	Temperature	19.26	deg C	CAAN-11-5103
Test Well DT-10	1811	1078	09/24/10	WG	Temperature	19.42	deg C	CAAN-10-25934
Test Well DT-10	1811	1078	04/14/10	WG	Temperature	20.4	deg C	CAAN-10-15262
Test Well DT-10	1811	1078	10/22/09	WG	Temperature	17.61	deg C	CAAN-09-14341
Test Well DT-10	1811	1078	04/16/08	WG	Temperature	22.1	deg C	CAAN-08-11737

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Test Well DT-10	1811	1078	03/28/11	WG	Turbidity	2.02	NTU	CAAN-11-5103
Test Well DT-10	1811	1078	09/24/10	WG	Turbidity	0.81	NTU	CAAN-10-25934
Test Well DT-10	1811	1078	04/14/10	WG	Turbidity	2.62	NTU	CAAN-10-15262
Test Well DT-10	1811	1078	10/22/09	WG	Turbidity	3.07	NTU	CAAN-09-14341
Test Well DT-10	1811	1078	04/16/08	WG	Turbidity	1.11	NTU	CAAN-08-11737
Test Well DT-5A	1821	1172	03/29/11	WG	Dissolved Oxygen	5.94	mg/L	CAAN-11-5481
Test Well DT-5A	1821	1172	09/27/10	WG	Dissolved Oxygen	4.35	mg/L	CAAN-10-25937
Test Well DT-5A	1821	1172	04/13/10	WG	Dissolved Oxygen	5.91	mg/L	CAAN-10-15258
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	03/29/11	WG	Oxidation Reduction Potential	133.2	mV	CAAN-11-5481
Test Well DT-5A	1821	1172	09/27/10	WG	Oxidation Reduction Potential	56.4	mV	CAAN-10-25937
Test Well DT-5A	1821	1172	04/13/10	WG	Oxidation Reduction Potential	116.8	mV	CAAN-10-15258
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	03/29/11	WG	pH	7.97	SU	CAAN-11-5481
Test Well DT-5A	1821	1172	09/27/10	WG	pH	7.72	SU	CAAN-10-25937
Test Well DT-5A	1821	1172	04/13/10	WG	pH	7.79	SU	CAAN-10-15258
Test Well DT-5A	1821	1172	10/28/09	WG	pH	7.75	SU	CAAN-09-13675
Test Well DT-5A	1821	1172	03/29/11	WG	Specific Conductance	116	µS/cm	CAAN-11-5481
Test Well DT-5A	1821	1172	09/27/10	WG	Specific Conductance	120	µS/cm	CAAN-10-25937
Test Well DT-5A	1821	1172	04/13/10	WG	Specific Conductance	116	µS/cm	CAAN-10-15258
Test Well DT-5A	1821	1172	10/28/09	WG	Specific Conductance	112	µS/cm	CAAN-09-13675
Test Well DT-5A	1821	1172	03/29/11	WG	Temperature	20.47	deg C	CAAN-11-5481
Test Well DT-5A	1821	1172	09/27/10	WG	Temperature	21.43	deg C	CAAN-10-25937
Test Well DT-5A	1821	1172	04/13/10	WG	Temperature	20.81	deg C	CAAN-10-15258
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

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Test Well DT-5A	1821	1172	03/29/11	WG	Turbidity	0.7	NTU	CAAN-11-5481
Test Well DT-5A	1821	1172	09/27/10	WG	Turbidity	1.12	NTU	CAAN-10-25937
Test Well DT-5A	1821	1172	04/13/10	WG	Turbidity	1.98	NTU	CAAN-10-15258
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-9	1831	819	03/29/11	WG	Dissolved Oxygen	6.44	mg/L	CAAN-11-5484
Test Well DT-9	1831	819	09/24/10	WG	Dissolved Oxygen	4.86	mg/L	CAAN-10-25940
Test Well DT-9	1831	819	04/23/10	WG	Dissolved Oxygen	5.34	mg/L	CAAN-10-15261
Test Well DT-9	1831	819	10/28/09	WG	Dissolved Oxygen	6.04	mg/L	CAAN-09-14338
Test Well DT-9	1831	819	10/15/08	WG	Dissolved Oxygen	5.03	mg/L	CAAN-08-16112
Test Well DT-9	1831	819	03/29/11	WG	Oxidation Reduction Potential	164.3	mV	CAAN-11-5484
Test Well DT-9	1831	819	09/24/10	WG	Oxidation Reduction Potential	157.3	mV	CAAN-10-25940
Test Well DT-9	1831	819	04/23/10	WG	Oxidation Reduction Potential	182.2	mV	CAAN-10-15261
Test Well DT-9	1831	819	10/28/09	WG	Oxidation Reduction Potential	224.5	mV	CAAN-09-14338
Test Well DT-9	1831	819	10/15/08	WG	Oxidation Reduction Potential	13.2	mV	CAAN-08-16112
Test Well DT-9	1831	819	03/29/11	WG	pH	8.05	SU	CAAN-11-5484
Test Well DT-9	1831	819	09/24/10	WG	pH	7.89	SU	CAAN-10-25940
Test Well DT-9	1831	819	04/23/10	WG	pH	7.93	SU	CAAN-10-15261
Test Well DT-9	1831	819	10/28/09	WG	pH	7.88	SU	CAAN-09-14338
Test Well DT-9	1831	819	10/15/08	WG	pH	9.37	SU	CAAN-08-16112
Test Well DT-9	1831	819	03/29/11	WG	Specific Conductance	123	µS/cm	CAAN-11-5484
Test Well DT-9	1831	819	09/24/10	WG	Specific Conductance	122	µS/cm	CAAN-10-25940
Test Well DT-9	1831	819	04/23/10	WG	Specific Conductance	119	µS/cm	CAAN-10-15261
Test Well DT-9	1831	819	10/28/09	WG	Specific Conductance	116	µS/cm	CAAN-09-14338
Test Well DT-9	1831	819	10/15/08	WG	Specific Conductance	102.4	µS/cm	CAAN-08-16112
Test Well DT-9	1831	819	03/29/11	WG	Temperature	19.13	deg C	CAAN-11-5484
Test Well DT-9	1831	819	09/24/10	WG	Temperature	20.95	deg C	CAAN-10-25940
Test Well DT-9	1831	819	04/23/10	WG	Temperature	16.94	deg C	CAAN-10-15261

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Test Well DT-9	1831	819	10/28/09	WG	Temperature	20.09	deg C	CAAN-09-14338
Test Well DT-9	1831	819	10/15/08	WG	Temperature	20.2	deg C	CAAN-08-16112
Test Well DT-9	1831	819	03/29/11	WG	Turbidity	3.14	NTU	CAAN-11-5484
Test Well DT-9	1831	819	09/24/10	WG	Turbidity	9.66	NTU	CAAN-10-25940
Test Well DT-9	1831	819	04/23/10	WG	Turbidity	2.23	NTU	CAAN-10-15261
Test Well DT-9	1831	819	10/28/09	WG	Turbidity	2.35	NTU	CAAN-09-14338
Test Well DT-9	1831	819	10/15/08	WG	Turbidity	13.2	NTU	CAAN-08-16112

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

Analytical Chemistry Results, Including Results from Previous Four Monitoring Events if Available

The following pages provide lists of (1) acronyms, abbreviations, symbols, and various analytical codes, (2) analytical laboratory qualifier codes, and (3) secondary validation flag codes that may be used in Appendix C. Please note that these are comprehensive lists, and this periodic monitoring report may not include all of the acronyms, abbreviations, symbols, and codes in the lists.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%D	percent difference
%R	percent recovery
<	Based on qualifiers, the result was a nondetection.
—	none
CB	chlorobiphenyl
CCV	continuing calibration verification
CLP	Control Laboratory Program
CRDL	contract-required detection limit
DCG	Derived Concentration Guide (DOE)
DNX	dinitroso-RDX (or hexahydro 1,3-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
GC	gas chromotography
GFAA	graphite furnace atomic absorption
GFPC	gas-flow proportional counter
GW	groundwater
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	high-pressure liquid chromatography
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification
IDL	instrument detection limit
LAL	lower acceptance limit
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit
MNX	mononitrosodimethylamine
MS	matrix spike
MSD	matrix spike duplicate

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Miscellaneous (continued)	
NM	NMWQCC
NMED	New Mexico Environmental Department
NMWQCC	New Mexico Water Quality Control Commission
PCB	polychlorinated biphenyl
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
Scr	screening
SSC	suspended sediment concentration
SU	standard unit
TDS	total dissolved solids
TNX	trinitroso-RDX
TPU	total propagated uncertainty
UAL	upper acceptance limit
Field Matrix Codes	
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
Field Prep Codes	
F	filtered
UF	unfiltered
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
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.

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Field QC Type Codes (continued)	
NA	not applicable
PEB	performance evaluation blank
PEK	performance evaluation known
RES	resample
SS	special sampling event, data unique
SS-EQB	equipment blank of special sampling event, data unique
SS-FB	field blank of special sampling event, data unique
SS-FD	field duplicate of special sampling event, data unique
SS-FTB	field trip blank of special sampling event, data unique
Analytical Suite Codes	
ANION	anions
DIOX/FUR, Diox/Fur	dioxins and furans
DRO	diesel range organics
GAMMA, GAMMA_SPEC	gamma spectroscopy
Geninorg, GENINORG	general inorganics
GRO	gasoline range organics
GROSSA	gross alpha
GROSSB	gross beta
HERB	herbicides
HEXP	high explosives
INORGANIC	inorganics
ISOTOPE, Isotope	isotope ratios
METALS, Metals	metals
PCB	polychlorinated biphenyls
PCB_CONG, PCB Cong	PCB congeners
PEST	pesticides
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry
SVOA	semivolatile organics
SVOC	semivolatile organic compounds
VOA	volatile organics
VOC	volatile organic compounds
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services–Primary
CFA	Cape Fear Analytical, LLC, Wilmington, NC
C-INC	Isotope and Nuclear Chemistry Division (LANL)
COAST	Coastal Science Laboratories, Austin, TX
CST	Chemical Sciences and Technology Division (LANL)
EES6	Hydrology, Geochemistry, and Geology Group (LANL)
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
FLD	measurement taken in field
GEL	General Engineering Laboratories, Inc.
GELC	General Engineering Laboratories, Inc., Charleston, SC
GEO	Geochron Laboratories, Boston, MA
HENV	Health and Environmental Laboratory (Johnson Controls, Northern New Mexico)
HUFFMAN	Huffman Laboratories, Inc., Golden, CO
KA	KEMRON Environmental Services, Inc., Vienna, VA
LVLI	Lionville Laboratory, Inc., Philadelphia, PA
PARA	Paragon Analytics, Inc., Salt Lake City, UT
PEC	Pacific Ecorisk Laboratories, Fairfield, CA
QESL	Quanterra Environmental Services, St. Louis, MO
QST	QST Environmental, Newberry, FL
RECRAP	RECRA Labnet, Lionville, PA
RFWC	Roy F. Weston, Inc., West Chester, PA
SGSW	Paradigm Analytical Laboratories, Inc., Wilmington, NC
SILENS	Stable Isotope Laboratory, Woods Hole, MA
STL2, STR	Severn Trent Laboratories, Inc., Richland, WA, (historical)
STLA	Severn Trent Laboratories, Inc., Los Angeles, CA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SwRI	Southwest Research Institute, San Antonio, TX
UAZ	University of Arizona, Tucson
UIL	University of Illinois, Urbana-Champaign
UMTL	University of Miami Tritium Lab

Analytical Laboratory Qualifier Codes

Code	Description
*	(Inorganic)—Duplicate analysis (relative percent difference) not within control limits.
B	(Organic) —Analyte was 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	See B code, see J code, and see P code.
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 gas chromatography (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.
D	The result for this analyte was reported from a dilution.
DJ	See D code and see J code.
DNA	Did not analyze because equipment was broken.
E	(Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
E*	See E code and see * code.
EJ	See E code and see J code.
EJ*	See E code, see J code, and see * code.
EJN	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (inductively coupled plasma atomic [optical] emission spectroscopy [ICPAES])—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 method detection limit (MDL) but less than the practical quantitation limit (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.
EN*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICPAES)—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.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
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	See H code and see J code.
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 because the blank does not have nitrate. This is different from most analytical methods, where a blank is run with 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*	See J code and see * code.
JB	See J code and see B code
JN	See J code and see N code.
JN*	See J code, see N code, and see * code.
JP	See J code and see P code.
N	(Inorganic)—Spiked sample recovery was not within control limits.
N*	See N code and see * code.
N*E	See N code, see * code, and see E code.
NE	See N code and see E code.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
PJ	See P code and see J code.
U	The material was analyzed for but was not detected above the level of the associated numeric value.
U*	See U code and see * code.
UD	See U code and see D code.
UE	See U code and see E code.
UE*	See U code, see E code, and see * code.
UEN	See U code, see E code, and see N code.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
UH	See U code and see H code.
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	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification.
UN	EPA flag (Inorganic)—Compound was analyzed for but was not detected. Spiked sample recovery was not within control limits.
UN*	EPA flag (Inorganic)—See U code, see N code, and see * code.
UUI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification, and the analytical lab assigned these gamma spectroscopy results as not detected.
X	The analytical laboratory suspects the result is a nondetect despite positive quantification results.

Secondary Validation Flag Codes

Code	Description
A	The contractually required supporting documentation for this datum is absent.
I	The calculated sums are considered incomplete because of the lack of one or more congener results.
J	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.
J-	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential 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.
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.
N	There is presumptive evidence of the presence of the material.
NJ	(Organic) Analyte has been tentatively identified, and the associated numerical value is estimated based upon a 1:1 response factor to the nearest eluting internal standard.
NQ	No validation qualifier flag is associated with this result, and the analyte is classified as detected.
PM	Manual review of raw data is recommended to determine if the observed noncompliances with quality acceptance criteria adversely impact data use.

Secondary Validation Flag Codes (continued)

Code	Description
R	The reported sample result is classified as rejected because of serious noncompliances regarding quality control (QC) acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
U	The analyte is classified as not detected.
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

Table C-1 Ancho Canyon Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
Barbara Spring	—	—	09/17/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-82.35	—	—	—	permil	—	—	10-4651	CAAN-10-25921	EES6
Barbara Spring	—	—	07/13/05	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-83.02	2.90E-01	—	—	permil	—	—	5787	EU05070GBRB01	EES6
Barbara Spring	—	—	06/15/05	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-83.58	1.00E-02	—	—	permil	—	—	5710	EU05040GBRB02	EES6
Barbara Spring	—	—	05/12/05	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-83.69	2.10E-01	—	—	permil	—	—	5709	EU05040GBRB01	EES6
Barbara Spring	—	—	09/17/10	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.13	—	—	—	permil	—	—	10-4651	CAAN-10-25922	EES6
Barbara Spring	—	—	09/17/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.85	—	—	—	permil	—	—	10-4651	CAAN-10-25921	EES6
Barbara Spring	—	—	07/13/05	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.70	1.20E-01	—	—	permil	—	—	6041	EU05070GBRB01	EES6
Barbara Spring	—	—	06/15/05	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.90	1.20E-01	—	—	permil	—	—	5965	EU05040GBRB02	EES6
Barbara Spring	—	—	05/12/05	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.94	9.00E-02	—	—	permil	—	—	5964	EU05040GBRB01	EES6
Barbara Spring	—	—	09/17/10	WG	F	RE	—	METALS	SW-846:6020	Chromium	—	2.59	—	—	2.50E+00	µg/L	J	J	10-4652	CAAN-10-25922	GELC
Barbara Spring	—	—	09/17/10	WG	UF	CS	—	METALS	SW-846:6020	Chromium	—	3.11	—	—	2.50E+00	µg/L	J	J	10-4652	CAAN-10-25921	GELC
Barbara Spring	—	—	09/17/10	WG	UF	CS	—	RAD	LLEE	Tritium	—	2.87	7.34E-01	1.92E+00	—	pCi/L	—	—	10-4687	CAAN-10-25921	ARSL
R-30	9091	1140	09/23/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-79.28	—	—	—	permil	—	—	10-4728	CAAN-10-25948	EES6
R-30	9091	1140	05/19/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-79.97	—	—	—	permil	—	—	10-3227	CAAN-10-17252	EES6
R-30	9091	1140	09/23/10	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.87	—	—	—	permil	—	—	10-4728	CAAN-10-25950	EES6
R-30	9091	1140	09/23/10	WG	F	DUP	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.11	—	—	—	permil	—	—	10-4728	CAAN-10-25950	EES6
R-30	9091	1140	05/19/10	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.77	—	—	—	permil	—	—	10-3227	CAAN-10-17253	EES6
R-30	9091	1140	09/23/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.53	—	—	—	permil	—	—	10-4728	CAAN-10-25948	EES6
R-30	9091	1140	05/19/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.46	—	—	—	permil	—	—	10-3227	CAAN-10-17252	EES6
R-30	9091	1140	09/23/10	WG	UF	CS	FD	RAD	LLEE	Tritium	<	3.07	1.05E+00	3.07E+00	—	pCi/L	U	U	10-4761	CAAN-10-25949	ARSL
R-30	9091	1140	09/23/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	1.92	6.71E-01	1.92E+00	—	pCi/L	U	U	10-4761	CAAN-10-25948	ARSL
R-30	9091	1140	05/19/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	-2.59	7.34E-01	2.17E+00	—	pCi/L	U	U	10-3250	CAAN-10-17252	ARSL
R-31	1552	532.2	10/26/09	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.50	—	—	—	permil	—	—	10-254	CAAN-09-14353	EES6
R-31	1552	532.2	10/26/09	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.79	—	—	—	permil	—	—	10-254	CAAN-09-14353	EES6
R-31	1552	532.2	11/28/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-77.33	3.80E-01	—	—	permil	—	—	17788	EU06110G31R201	EES6
R-31	1552	532.2	11/28/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-77.33	3.80E-01	—	—	permil	—	—	18453	EU06110G31R201	EES6
R-31	1552	532.2	09/26/01	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-77.00	—	—	—	UNITLESS	—	—	9909R	GW31-01-0001	GEO
R-31	1552	532.2	12/16/00	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.00	—	—	—	UNITLESS	—	—	8150R	GW31-00-0007	GEO
R-31	1552	532.2	10/26/09	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.76	—	—	—	permil	—	—	10-254	CAAN-09-14353	EES6
R-31	1552	532.2	10/26/09	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.88	—	—	—	permil	—	—	10-254	CAAN-09-14353	EES6
R-31	1552	532.2	11/28/06	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.75	1.00E-01	—	—	permil	—	—	17842	EU06110G31R201	EES6
R-31	1552	532.2	09/26/01	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.50	—	—	—	UNITLESS	—	—	9909R	GW31-01-0001	GEO
R-31	1552	532.2	12/16/00	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.10	—	—	—	UNITLESS	—	—	8150R	GW31-00-0007	GEO
R-31	1562	542.5	09/14/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-78.77	—	—	—	permil	—	—	10-4598	CAAN-10-25924	EES6
R-31	1562	542.5	09/14/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.13	—	—	—	permil	—	—	10-4598	CAAN-10-25924	EES6
R-31	1562	542.5	09/14/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	2.27	7.66E-01	2.27E+00	—	pCi/L	U	U	10-4601	CAAN-10-25924	ARSL
R-31	1612	670.3	09/14/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.58	—	—	—	permil	—	—	10-4598	CAAN-10-25926	EES6
R-31	1612	670.3	10/26/09	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.39	—	—	—	permil	—	—	10-254	CAAN-09-14356	EES6
R-31	1612	670.3	11/30/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.08	6.10E-01	—	—	permil	—	—	17790	EU06110G31R301	EES6
R-31	1612	670.3	11/30/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.08	6.10E-01	—	—	permil	—	—	18455	EU06110G31R301	EES6
R-31	1612	670.3	12/16/00	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-78.00	—	—	—	UNITLESS	—	—	8168R	GW31-00-0005	GEO
R-31	1612	670.3	09/14/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.19	—	—	—	permil	—	—	10-4598	CAAN-10-25926	EES6
R-31	1612	670.3	10/26/09	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.06	—	—	—	permil	—	—	10-254	CAAN-09-14356	EES6
R-31	1612	670.3	10/26/09	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.64	—	—	—	permil	—	—	10-254	CAAN-09-14356	EES6
R-31	1612	670.3	11/30/06	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.46	1.30E-01	—	—	permil	—	—	17843	EU06110G31R301	EES6
R-31	1612	670.3	12/16/00	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.30	—	—	—	UNITLESS	—	—	8168R	GW31-00-0005	GEO
R-31	1612	670.3	09/14/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	2.30	7.98E-01	2.30E+00	—	pCi/L	U	U	10-4601	CAAN-10-25926	ARSL
R-31	1612	670.3	04/20/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	1.28	6.07E-01	1.88E+00	—	pCi/L	U	U	10-2839	CAAN-10-15272	ARSL
R-31	1612	670.3	10/26/09	WG	UF	CS	—	RAD	LLEE	Tritium	<	-0.16	2.87E-01	2.87E-01	—	pCi/L	U	U	10-270	CAAN-09-14356	UMTL
R-31	1612	670.3	04/08/09	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1467	CAAN-09-5705	UMTL

Table C-1 Ancho Canyon Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1612	670.3	10/24/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.32	2.87E-01	2.87E-01	—	pCi/L	—	U	09-181	CAAN-08-16133	UMTL
R-31	1662	830.9	09/20/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-79.21	—	—	—	permil	—	—	10-4666	CAAN-10-25927	EES6
R-31	1662	830.9	10/22/09	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.15	—	—	—	permil	—	—	10-239	CAAN-09-14345	EES6
R-31	1662	830.9	10/22/09	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.74	—	—	—	permil	—	—	10-239	CAAN-09-14345	EES6
R-31	1662	830.9	10/21/08	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-79.36	—	—	—	permil	—	—	09-145	CAAN-08-16122	EES6
R-31	1662	830.9	10/21/08	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-79.50	—	—	—	permil	—	—	09-145	CAAN-08-16122	EES6
R-31	1662	830.9	12/06/06	WG	UF	CS	FD	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-78.71	7.90E-01	—	—	permil	—	—	18457	EU06110G31R420	EES6
R-31	1662	830.9	12/06/06	WG	UF	CS	FD	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-78.71	7.90E-01	—	—	permil	—	—	17792	EU06110G31R420	EES6
R-31	1662	830.9	12/06/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-79.94	8.30E-01	—	—	permil	—	—	18456	EU06110G31R401	EES6
R-31	1662	830.9	12/06/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-79.94	8.30E-01	—	—	permil	—	—	17791	EU06110G31R401	EES6
R-31	1662	830.9	09/27/01	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-68.00	—	—	—	UNITLESS	—	—	32S	GW31-01-0005	GEO
R-31	1662	830.9	12/14/00	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-78.00	—	—	—	UNITLESS	—	—	8135R	GW31-00-0001	GEO
R-31	1662	830.9	09/20/10	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.18	—	—	—	permil	—	—	10-4666	CAAN-10-25928	EES6
R-31	1662	830.9	10/22/09	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.64	—	—	—	permil	—	—	10-239	CAAN-09-14344	EES6
R-31	1662	830.9	10/21/08	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.92	—	—	—	permil	—	—	09-145	CAAN-08-16120	EES6
R-31	1662	830.9	09/20/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.14	—	—	—	permil	—	—	10-4666	CAAN-10-25927	EES6
R-31	1662	830.9	10/22/09	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.63	—	—	—	permil	—	—	10-239	CAAN-09-14345	EES6
R-31	1662	830.9	10/22/09	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.06	—	—	—	permil	—	—	10-239	CAAN-09-14345	EES6
R-31	1662	830.9	10/21/08	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.34	—	—	—	permil	—	—	09-145	CAAN-08-16122	EES6
R-31	1662	830.9	10/21/08	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.04	—	—	—	permil	—	—	09-145	CAAN-08-16122	EES6
R-31	1662	830.9	12/06/06	WG	UF	CS	FD	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.29	1.30E-01	—	—	permil	—	—	17846	EU06110G31R420	EES6
R-31	1662	830.9	12/06/06	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.23	1.30E-01	—	—	permil	—	—	17845	EU06110G31R401	EES6
R-31	1662	830.9	09/27/01	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.00	—	—	—	UNITLESS	—	—	32S	GW31-01-0005	GEO
R-31	1662	830.9	12/14/00	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.10	—	—	—	UNITLESS	—	—	8135R	GW31-00-0001	GEO
R-31	1662	830.9	09/20/10	WG	UF	CS	—	RAD	LLEE	Tritium	—	2.87	7.34E-01	1.92E+00	—	pCi/L	—	—	10-4687	CAAN-10-25927	ARSL
R-31	1662	830.9	04/22/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	2.88	8.23E-01	2.22E+00	—	pCi/L	—	U	10-2952	CAAN-10-15245	ARSL
R-31	1662	830.9	10/22/09	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.22	2.87E-01	2.87E-01	—	pCi/L	U	U	10-270	CAAN-09-14345	UMTL
R-31	1662	830.9	10/21/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.19	2.87E-01	2.87E-01	—	pCi/L	U	U	09-148	CAAN-08-16122	UMTL
R-31	1662	830.9	04/15/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.03	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1003	CAAN-08-11742	UMTL
R-31	1712	1011.3	09/09/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.21	—	—	—	permil	—	—	10-4598	CAAN-10-25931	EES6
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-82.38	—	—	—	permil	—	—	10-239	CAAN-09-14349	EES6
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.23	—	—	—	permil	—	—	09-160	CAAN-08-16126	EES6
R-31	1712	1011.3	10/22/08	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-78.17	—	—	—	permil	—	—	09-160	CAAN-08-16126	EES6
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.01	3.00E-01	—	—	permil	—	—	18458	EU06110G31R501	EES6
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.01	3.00E-01	—	—	permil	—	—	17793	EU06110G31R501	EES6
R-31	1712	1011.3	09/28/01	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-66.00	—	—	—	UNITLESS	—	—	37S	GW31-01-0007	GEO
R-31	1712	1011.3	12/15/00	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-78.00	—	—	—	UNITLESS	—	—	8143R	GW31-00-0003	CST
R-31	1712	1011.3	09/09/10	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.04	—	—	—	permil	—	—	10-4598	CAAN-10-25932	EES6
R-31	1712	1011.3	10/22/09	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.85	—	—	—	permil	—	—	10-239	CAAN-09-14348	EES6
R-31	1712	1011.3	10/22/08	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.77	—	—	—	permil	—	—	09-160	CAAN-08-16124	EES6
R-31	1712	1011.3	09/09/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.26	—	—	—	permil	—	—	10-4598	CAAN-10-25931	EES6
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.28	—	—	—	permil	—	—	10-239	CAAN-09-14349	EES6
R-31	1712	1011.3	10/22/09	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.17	—	—	—	permil	—	—	10-239	CAAN-09-14349	EES6
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.71	—	—	—	permil	—	—	09-160	CAAN-08-16126	EES6
R-31	1712	1011.3	10/22/08	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.68	—	—	—	permil	—	—	09-160	CAAN-08-16126	EES6
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.43	1.30E-01	—	—	permil	—	—	17847	EU06110G31R501	EES6
R-31	1712	1011.3	09/28/01	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.70	—	—	—	UNITLESS	—	—	37S	GW31-01-0007	GEO
R-31	1712	1011.3	12/15/00	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.20	—	—	—	UNITLESS	—	—	8143R	GW31-00-0003	CST
R-31	1712	1011.3	09/09/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	2.62	8.94E-01	2.62E+00	—	pCi/L	U	U	10-4601	CAAN-10-25931	ARSL
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.10	2.87E-01	2.87E-01	—	pCi/L	U	U	10-270	CAAN-09-14349	UMTL

Table C-1 Ancho Canyon Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.19	2.87E-01	2.87E-01	—	pCi/L	U	U	09-181	CAAN-08-16126	UMTL
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	RAD	LLEE	Tritium	<	-0.03	2.87E-01	2.87E-01	—	pCi/L	—	U	2298	UU06110G31R501	UMTL
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	RAD	EPA:906.0	Tritium	<	122.00	6.53E+01	2.13E+02	—	pCi/L	U	U	144084	GU0508G31R501	GELC
Rio de los Frijoles at Bandelier	—	—	10/23/08	WS	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.92	—	—	—	permil	—	—	09-165	CAAN-08-16450	EES6
Rio de los Frijoles at Bandelier	—	—	10/23/08	WS	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.18	—	—	—	permil	—	—	09-165	CAAN-08-16450	EES6
Rio de los Frijoles at Bandelier	—	—	09/20/06	WP	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.61	1.20E-01	—	—	permil	—	—	13147	EU060900P35001	EES6
Test Well DT-10	1811	1078.4	09/24/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.23	—	—	—	permil	—	—	10-4739	CAAN-10-25934	EES6
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.66	—	—	—	permil	—	—	10-239	CAAN-09-14341	EES6
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.18	—	—	—	permil	—	—	10-239	CAAN-09-14341	EES6
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-82.45	—	—	—	permil	—	—	09-104	CAAN-08-16119	EES6
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.98	—	—	—	permil	—	—	09-104	CAAN-08-16119	EES6
Test Well DT-10	1811	1078.4	12/04/06	WG	UF	CS	FD	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.88	3.60E-01	—	—	permil	—	—	17797	EU061100G01T20	EES6
Test Well DT-10	1811	1078.4	12/04/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.47	5.00E-02	—	—	permil	—	—	17796	EU061100G01T01	EES6
Test Well DT-10	1811	1078.4	09/24/10	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.03	—	—	—	permil	—	—	10-4739	CAAN-10-25933	EES6
Test Well DT-10	1811	1078.4	09/24/10	WG	F	DUP	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.39	—	—	—	permil	—	—	10-4739	CAAN-10-25933	EES6
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.87	—	—	—	permil	—	—	10-239	CAAN-09-14339	EES6
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.01	—	—	—	permil	—	—	09-104	CAAN-08-16117	EES6
Test Well DT-10	1811	1078.4	10/16/08	WG	F	DUP	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.17	—	—	—	permil	—	—	09-104	CAAN-08-16117	EES6
Test Well DT-10	1811	1078.4	09/24/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.26	—	—	—	permil	—	—	10-4739	CAAN-10-25934	EES6
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.64	—	—	—	permil	—	—	10-239	CAAN-09-14341	EES6
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.80	—	—	—	permil	—	—	10-239	CAAN-09-14341	EES6
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.00	—	—	—	permil	—	—	09-104	CAAN-08-16119	EES6
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.23	—	—	—	permil	—	—	09-104	CAAN-08-16119	EES6
Test Well DT-10	1811	1078.4	12/04/06	WG	UF	CS	FD	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.65	1.30E-01	—	—	permil	—	—	17851	EU061100G01T20	EES6
Test Well DT-10	1811	1078.4	12/04/06	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.36	1.30E-01	—	—	permil	—	—	17850	EU061100G01T01	EES6
Test Well DT-10	1811	1078.4	09/24/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	2.49	8.62E-01	2.49E+00	—	pCi/L	U	U	10-4761	CAAN-10-25934	ARSL
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	-0.42	5.75E-01	1.95E+00	—	pCi/L	U	U	10-2847	CAAN-10-15262	ARSL
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	10-270	CAAN-09-14341	UMTL
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.32	2.87E-01	2.87E-01	—	pCi/L	—	U	09-148	CAAN-08-16119	UMTL
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.26	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1033	CAAN-08-11739	UMTL
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-78.50	—	—	—	permil	—	—	10-4773	CAAN-10-25937	EES6
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.56	—	—	—	permil	—	—	10-288	CAAN-09-13675	EES6
Test Well DT-5A	1821	1172	10/28/09	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.97	—	—	—	permil	—	—	10-288	CAAN-09-13675	EES6
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.03	—	—	—	permil	—	—	09-117	CAAN-08-16108	EES6
Test Well DT-5A	1821	1172	10/17/08	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.49	—	—	—	permil	—	—	09-117	CAAN-08-16108	EES6
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-80.85	—	—	—	permil	—	—	08-1023	CAAN-08-11743	EES6
Test Well DT-5A	1821	1172	04/18/08	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.36	—	—	—	permil	—	—	08-1023	CAAN-08-11743	EES6
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.06	3.70E-01	—	—	permil	—	—	17795	EU061100GA5T01	EES6
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.04	—	—	—	permil	—	—	10-4773	CAAN-10-25938	EES6
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.81	—	—	—	permil	—	—	10-288	CAAN-09-13885	EES6
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.41	—	—	—	permil	—	—	09-117	CAAN-08-16107	EES6
Test Well DT-5A	1821	1172	10/17/08	WG	F	DUP	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.72	—	—	—	permil	—	—	09-117	CAAN-08-16107	EES6
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.27	—	—	—	permil	—	—	10-4773	CAAN-10-25937	EES6
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.44	—	—	—	permil	—	—	10-288	CAAN-09-13675	EES6
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.43	—	—	—	permil	—	—	09-117	CAAN-08-16108	EES6
Test Well DT-5A	1821	1172	10/17/08	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.58	—	—	—	permil	—	—	09-117	CAAN-08-16108	EES6
Test Well DT-5A	1821	1172	12/06/06	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.72	1.30E-01	—	—	permil	—	—	17849	EU061100GA5T01	EES6
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	2.08	7.02E-01	2.04E+00	—	pCi/L	—	U	11-29	CAAN-10-25937	ARSL
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	-1.66	3.19E+00	1.79E+00	—	pCi/L	U	U	10-2746	CAAN-10-15258	ARSL
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	RAD	LLEE	Tritium	<	-0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	10-338	CAAN-09-13675	UMTL

Table C-1 Ancho Canyon Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.35	2.87E-01	2.87E-01	—	pCi/L	—	U	09-148	CAAN-08-16108	UMTL
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	-0.13	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1035	CAAN-08-11743	UMTL
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-79.14	—	—	—	permil	—	—	10-4750	CAAN-10-25940	EES6
Test Well DT-9	1831	819	10/28/09	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.12	—	—	—	permil	—	—	10-288	CAAN-09-14338	EES6
Test Well DT-9	1831	819	10/15/08	WG	UF	CS	FD	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.80	—	—	—	permil	—	—	09-93	CAAN-08-16113	EES6
Test Well DT-9	1831	819	10/15/08	WG	UF	DUP	FD	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.16	—	—	—	permil	—	—	09-93	CAAN-08-16113	EES6
Test Well DT-9	1831	819	10/15/08	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.46	—	—	—	permil	—	—	09-93	CAAN-08-16112	EES6
Test Well DT-9	1831	819	10/15/08	WG	UF	DUP	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.71	—	—	—	permil	—	—	09-93	CAAN-08-16112	EES6
Test Well DT-9	1831	819	12/05/06	WG	UF	CS	—	ISOTOPE	Deuterium Ratio	Deuterium Ratio	—	-81.36	4.10E-01	—	—	permil	—	—	17794	EU061100G9WT01	EES6
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.81	—	—	—	permil	—	—	10-4750	CAAN-10-25939	EES6
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.58	—	—	—	permil	—	—	10-288	CAAN-09-14336	EES6
Test Well DT-9	1831	819	10/15/08	WG	F	CS	FD	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.80	—	—	—	permil	—	—	09-93	CAAN-08-16114	EES6
Test Well DT-9	1831	819	10/15/08	WG	F	CS	—	ISOTOPE	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.04	—	—	—	permil	—	—	09-93	CAAN-08-16110	EES6
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.38	—	—	—	permil	—	—	10-4750	CAAN-10-25940	EES6
Test Well DT-9	1831	819	10/28/09	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.35	—	—	—	permil	—	—	10-288	CAAN-09-14338	EES6
Test Well DT-9	1831	819	10/28/09	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.33	—	—	—	permil	—	—	10-288	CAAN-09-14338	EES6
Test Well DT-9	1831	819	10/15/08	WG	UF	CS	FD	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.43	—	—	—	permil	—	—	09-93	CAAN-08-16113	EES6
Test Well DT-9	1831	819	10/15/08	WG	UF	DUP	FD	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.34	—	—	—	permil	—	—	09-93	CAAN-08-16113	EES6
Test Well DT-9	1831	819	10/15/08	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.40	—	—	—	permil	—	—	09-93	CAAN-08-16112	EES6
Test Well DT-9	1831	819	10/15/08	WG	UF	DUP	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.24	—	—	—	permil	—	—	09-93	CAAN-08-16112	EES6
Test Well DT-9	1831	819	12/05/06	WG	UF	CS	—	ISOTOPE	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.60	1.30E-01	—	—	permil	—	—	17848	EU061100G9WT01	EES6
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	2.68	9.26E-01	2.65E+00	—	pCi/L	—	U	10-4761	CAAN-10-25940	ARSL
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	RAD	LLEE	Tritium	<	2.60	7.45E-01	2.01E+00	—	pCi/L	—	U	10-2952	CAAN-10-15261	ARSL
Test Well DT-9	1831	819	10/28/09	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.51	2.87E-01	2.87E-01	—	pCi/L	—	U	10-338	CAAN-09-14338	UMTL
Test Well DT-9	1831	819	10/15/08	WG	UF	CS	FD	RAD	LLEE	Tritium	<	-5.98	1.26E+00	3.30E+00	—	pCi/L	U	U	09-97	CAAN-08-16113	ARSL
Test Well DT-9	1831	819	10/15/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	72.84	1.11E+01	3.39E+00	—	pCi/L	—	U	09-97	CAAN-08-16112	ARSL
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	FD	RAD	LLEE	Tritium	<	0.35	2.87E-01	2.87E-01	—	pCi/L	—	U	08-952	CAAN-08-11734	UMTL
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	RAD	LLEE	Tritium	<	0.42	2.87E-01	2.87E-01	—	pCi/L	—	U	08-952	CAAN-08-11731	UMTL

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.2	—	—	7.30E-01	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.1	—	—	7.30E-01	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.9	—	—	7.30E-01	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63	—	—	7.30E-01	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66	—	—	7.30E-01	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.025	—	—	1.60E-02	mg/L	J	J	11-1041	CAAN-11-3195	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.022	—	—	1.60E-02	mg/L	J	J	11-805	CAAN-11-2160	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.032	—	—	1.60E-02	mg/L	J	U	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	5.00E-02	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.00E-02	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	5.00E-02	mg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.99	—	—	6.60E-02	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.92	—	—	6.60E-02	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2	—	—	6.60E-02	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.34	—	—	6.60E-02	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00335	—	—	1.70E-03	mg/L	J	J	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.266	—	—	3.30E-02	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.225	—	—	3.30E-02	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.233	—	—	3.30E-02	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.263	—	—	3.30E-02	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.22	—	—	3.30E-02	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.1	—	—	4.50E-01	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.1	—	—	3.50E-01	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41	—	—	3.50E-01	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.6	—	—	3.50E-01	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.4	—	—	3.50E-01	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.2	—	—	4.50E-01	mg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	39.9	—	—	3.50E-01	mg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.6	—	—	3.50E-01	mg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.2	—	—	3.50E-01	mg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.7	—	—	3.50E-01	mg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.1	—	—	1.10E-01	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.17	—	—	8.50E-02	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.21	—	—	8.50E-02	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	8.50E-02	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.37	—	—	1.10E-01	mg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.09	—	—	8.50E-02	mg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-4727	CAAN-10-25943	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-29	9051	1170	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	8.50E-02	mg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.249	—	—	5.00E-02	mg/L	J	J-	11-1041	CAAN-11-3195	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.258	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.357	—	—	5.00E-02	mg/L	—	J	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.256	—	—	5.00E-02	µg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.255	—	—	5.00E-02	µg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.267	—	—	5.00E-02	µg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.215	—	—	5.00E-02	µg/L	—	J+	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.245	—	—	5.00E-02	µg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	5.00E-02	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	5.00E-02	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.59	—	—	5.00E-02	mg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	1.00E-01	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	20	—	—	1.00E-01	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	1.00E-01	mg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	1.00E-01	mg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.9	—	—	1.00E-01	mg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.2	—	—	1.00E-01	mg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	1.00E-01	mg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	149	—	—	1.00E+00	µS/cm	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	146	—	—	1.00E+00	µS/cm	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	167	—	—	1.00E+00	µS/cm	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	191	—	—	1.00E+00	µS/cm	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	µS/cm	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.2	—	—	1.00E-01	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.16	—	—	1.00E-01	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15	—	—	1.00E-01	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.6	—	—	1.00E-01	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.7	—	—	1.00E-01	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	J	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.384	—	—	3.30E-01	mg/L	J	J	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.612	—	—	3.30E-01	mg/L	J	J	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.419	—	—	3.30E-01	mg/L	J	U	11-805	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.54	—	—	3.30E-01	mg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.051	—	—	1.50E-02	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.76	—	—	1.00E-02	SU	H	J-	11-1950	CAAN-11-5486	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-29	9051	1170	01/07/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	1.00E-02	SU	H	J-	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.98	—	—	1.00E-02	SU	H	J-	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.97	—	—	—	permil	—	—	11-1947	CAAN-11-5485	EES6
R-29	9051	1170	01/07/11	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.28	—	—	—	permil	—	—	11-1038	CAAN-11-3194	EES6
R-29	9051	1170	12/03/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.53121914	—	—	—	permil	—	—	11-801	CAAN-11-2159	EES6
R-29	9051	1170	05/10/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.04191424	—	—	—	permil	—	—	10-3158	CAWA-10-17191	EES6
R-29	9051	1170	05/10/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.16299722	—	—	—	permil	—	—	10-3158	CAWA-10-17191	EES6
R-29	9051	1170	04/06/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.91	—	—	—	permil	—	—	11-1947	CAAN-11-5486	EES6
R-29	9051	1170	01/07/11	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.3	—	—	—	permil	—	—	11-1038	CAAN-11-3195	EES6
R-29	9051	1170	01/07/11	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.46	—	—	—	permil	—	—	11-1038	CAAN-11-3195	EES6
R-29	9051	1170	12/03/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.132059986	—	—	—	permil	—	—	11-801	CAAN-11-2160	EES6
R-29	9051	1170	12/03/10	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.032813218	—	—	—	permil	—	—	11-801	CAAN-11-2160	EES6
R-29	9051	1170	05/10/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	—	—	—	—	permil	—	—	10-3158	CAWA-10-17192	EES6
R-29	9051	1170	04/06/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.27	—	—	—	permil	—	—	11-1947	CAAN-11-5485	EES6
R-29	9051	1170	01/07/11	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.53	—	—	—	permil	—	—	11-1038	CAAN-11-3194	EES6
R-29	9051	1170	12/03/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.64092602	—	—	—	permil	—	—	11-801	CAAN-11-2159	EES6
R-29	9051	1170	05/10/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.51	—	—	—	permil	—	—	10-3158	CAWA-10-17191	EES6
R-29	9051	1170	05/10/10	WG	UF	DUP	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.35	—	—	—	permil	—	—	10-3158	CAWA-10-17191	EES6
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	634	—	—	6.80E+01	µg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	325	—	—	6.80E+01	µg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	95	—	—	6.80E+01	µg/L	J	J	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1170	—	—	6.80E+01	µg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.1	—	—	1.00E+00	µg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.1	—	—	1.00E+00	µg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.5	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.8	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	µg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.2	—	—	1.00E+00	µg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.8	—	—	1.00E+00	µg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.3	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.9	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.4	—	—	1.00E+00	µg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.04	—	—	2.00E+00	µg/L	J	J	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00E+00	µg/L	U	U	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	µg/L	U	U	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.57	—	—	2.50E+00	µg/L	J	J	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.59	—	—	2.50E+00	µg/L	J	J	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.93	—	—	2.00E+00	µg/L	J	J	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.00E+00	µg/L	U	U	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.64	—	—	2.50E+00	µg/L	J	J	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.49	—	—	2.50E+00	µg/L	J	J	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	23.5	—	—	2.50E+00	µg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.29	—	—	1.00E+00	µg/L	J	J	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.09	—	—	1.00E+00	µg/L	J	J	11-1041	CAAN-11-5612	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.25	—	—	1.00E+00	µg/L	J	J	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.04	—	—	1.00E+00	µg/L	J	J	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.56	—	—	1.00E+00	µg/L	J	J	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.49	—	—	1.00E+00	µg/L	J	J	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	53.2	—	—	3.00E+01	µg/L	J	J	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	70.7	—	—	3.00E+01	µg/L	J	J	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	152	—	—	3.00E+01	µg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	50.9	—	—	3.00E+01	µg/L	J	J	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	694	—	—	3.00E+01	µg/L	—	J	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	112	—	—	3.00E+01	µg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	479	—	—	3.00E+01	µg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	791	—	—	3.00E+01	µg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	2330	—	—	3.00E+01	µg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.513	—	—	5.00E-01	µg/L	J	J	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.02	—	—	5.00E-01	µg/L	J	J	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	34	—	—	2.00E+00	µg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	47.1	—	—	2.00E+00	µg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	71.2	—	—	2.00E+00	µg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	214	—	—	2.00E+00	µg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	121	—	—	2.00E+00	µg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	45.6	—	—	2.00E+00	µg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	44.3	—	—	2.00E+00	µg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	78.4	—	—	2.00E+00	µg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	223	—	—	2.00E+00	µg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	139	—	—	2.00E+00	µg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.05	—	—	1.70E-01	µg/L	—	J	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.74	—	—	1.70E-01	µg/L	—	J	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.89	—	—	1.00E-01	µg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	11.5	—	—	1.00E-01	µg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	7.04	—	—	1.00E-01	µg/L	—	J	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.16	—	—	1.70E-01	µg/L	—	J	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.64	—	—	1.70E-01	µg/L	—	J	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.17	—	—	1.00E-01	µg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	11.1	—	—	1.00E-01	µg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	8.78	—	—	1.00E-01	µg/L	—	J	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	5.00E-01	µg/L	J	J	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.08	—	—	5.00E-01	µg/L	J	J	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.25	—	—	5.00E-01	µg/L	J	J	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.01	—	—	5.00E-01	µg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.999	—	—	5.00E-01	µg/L	J	J	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.15	—	—	5.00E-01	µg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.16	—	—	5.00E-01	µg/L	J	J	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.42	—	—	5.00E-01	µg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.75	—	—	5.00E-01	µg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.4	—	—	5.00E-01	µg/L	—	—	10-3111	CAWA-10-17191	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.4	—	—	5.30E-02	mg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59.9	—	—	5.30E-02	mg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.9	—	—	5.30E-02	mg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	56.1	—	—	5.30E-02	mg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.4	—	—	5.30E-02	mg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	64	—	—	1.00E+00	µg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	70.9	—	—	1.00E+00	µg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	95.3	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.3	—	—	1.00E+00	µg/L	—	—	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	70.3	—	—	1.00E+00	µg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.9	—	—	1.00E+00	µg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	93.5	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	89.1	—	—	1.00E+00	µg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.62	—	—	6.70E-02	µg/L	—	—	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.655	—	—	6.70E-02	µg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.727	—	—	5.00E-02	µg/L	—	—	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	5.00E-02	µg/L	—	—	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	µg/L	—	J	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.734	—	—	6.70E-02	µg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.667	—	—	6.70E-02	µg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.845	—	—	5.00E-02	µg/L	—	—	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	µg/L	—	—	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	µg/L	—	J	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.24	—	—	1.00E+00	µg/L	J	J	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.24	—	—	1.00E+00	µg/L	—	—	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.71	—	—	1.00E+00	µg/L	J	J	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.63	—	—	1.00E+00	µg/L	J	J	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.29	—	—	1.00E+00	µg/L	J	J	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.95	—	—	1.00E+00	µg/L	J	J	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.23	—	—	1.00E+00	µg/L	—	—	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.91	—	—	1.00E+00	µg/L	J	J	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.86	—	—	1.00E+00	µg/L	J	J	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.4	—	—	1.00E+00	µg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.5	—	—	3.30E+00	µg/L	J	J	11-1950	CAAN-11-5486	GELC
R-29	9051	1170	01/07/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.16	—	—	3.30E+00	µg/L	J	J	11-1041	CAAN-11-5612	GELC
R-29	9051	1170	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	11-805	CAAN-11-2160	GELC
R-29	9051	1170	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	µg/L	U	U	10-4727	CAAN-10-25942	GELC
R-29	9051	1170	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.32	—	—	3.30E+00	µg/L	J	J	10-3111	CAWA-10-17192	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.2	—	—	3.30E+00	µg/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.77	—	—	3.30E+00	µg/L	J	J	11-1041	CAAN-11-5611	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.38	—	—	3.30E+00	µg/L	J	J	11-805	CAAN-11-2159	GELC
R-29	9051	1170	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.72	—	—	3.30E+00	µg/L	J	J	10-4727	CAAN-10-25943	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	29.7	—	—	3.30E+00	µg/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00862	2.53E-03	4.70E-02	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00295	9.33E-04	3.10E-02	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00812	1.43E-03	2.90E-02	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00135	5.33E-04	2.20E-02	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.17	5.00E-01	4.60E+00	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.26	6.00E-01	5.60E+00	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.53	5.00E-01	5.10E+00	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.089	3.67E-01	3.50E+00	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.831	4.67E-01	4.40E+00	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.74	5.33E-01	4.10E+00	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.22	5.67E-01	5.10E+00	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.599	3.33E-01	3.00E+00	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.995	1.57E-01	1.30E+00	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.415	1.73E-01	2.10E+00	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.857	2.30E-01	2.40E+00	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.21	3.67E-01	2.20E+00	—	pCi/L	—	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.24	3.17E-01	2.80E+00	—	pCi/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.81	2.57E-01	2.40E+00	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.632	2.10E-01	2.20E+00	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.04	3.67E-01	2.90E+00	—	pCi/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	20.6	6.00E+00	3.90E+01	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.9	8.67E+00	8.90E+01	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	30.3	1.87E+01	6.60E+01	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	40.8	3.67E+00	3.20E+01	—	pCi/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.54	9.33E-01	9.60E+00	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.26	1.20E+00	1.10E+01	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.63	1.03E+00	1.00E+01	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.12	7.67E-01	7.30E+00	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	6.25E-10	2.13E-03	3.50E-02	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.33E-04	1.90E-02	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00185	6.33E-04	2.10E-02	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00551	1.07E-03	2.90E-02	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.25E-09	2.77E-03	5.10E-02	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0087	1.93E-03	3.50E-02	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.2E-10	1.23E-03	3.80E-02	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00184	1.07E-03	2.70E-02	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.45	6.33E+00	6.50E+01	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.12	7.00E+00	7.20E+01	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.51	6.00E+00	6.20E+01	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.72	4.67E+00	5.30E+01	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.421	5.00E-01	4.70E+00	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.396	5.33E-01	4.90E+00	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-4.09	4.67E-01	3.10E+00	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.1	4.00E-01	3.60E+00	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.157	5.33E-02	5.30E-01	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0218	4.67E-02	5.00E-01	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0903	4.67E-02	4.90E-01	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.124	4.33E-02	4.80E-01	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	LLEE	Tritium	<	10.98392	2.02E+00	8.33E+00	—	pCi/L	—	U	11-1123	CAAN-11-3194	ARSL
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	8.71689	1.89E+00	8.30E+00	—	pCi/L	—	U	11-851	CAAN-11-2159	ARSL
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.69229	2.13E-01	1.92E+00	—	pCi/L	U	U	10-3112	CAWA-10-17191	ARSL
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.339	1.37E-02	4.20E-02	—	pCi/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.389	1.30E-02	4.10E-02	—	pCi/L	—	—	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.401	1.47E-02	6.00E-02	—	pCi/L	—	—	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.746	2.37E-02	4.40E-02	—	pCi/L	—	—	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0224	3.10E-03	3.40E-02	—	pCi/L	U	U	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0206	2.47E-03	3.10E-02	—	pCi/L	U	U	11-1041	CAAN-11-3194	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00703	2.87E-03	3.90E-02	—	pCi/L	U	U	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0165	2.50E-03	4.00E-02	—	pCi/L	U	U	10-3111	CAWA-10-17191	GELC
R-29	9051	1170	04/06/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.287	1.23E-02	4.60E-02	—	pCi/L	—	—	11-1950	CAAN-11-5485	GELC
R-29	9051	1170	01/07/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.179	7.67E-03	2.90E-02	—	pCi/L	—	—	11-1041	CAAN-11-3194	GELC
R-29	9051	1170	12/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.259	1.10E-02	4.00E-02	—	pCi/L	—	—	11-804	CAAN-11-2159	GELC
R-29	9051	1170	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.41	1.50E-02	4.00E-02	—	pCi/L	—	—	10-3111	CAWA-10-17191	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.6	—	—	7.30E-01	mg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.6	—	—	7.30E-01	mg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.4	—	—	7.30E-01	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.9	—	—	7.30E-01	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.6	—	—	7.30E-01	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.7	—	—	7.30E-01	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.101	—	—	1.60E-02	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.031	—	—	1.60E-02	mg/L	J	J	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.024	—	—	1.60E-02	mg/L	J	J	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	9.53	—	—	5.00E-02	mg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.48	—	—	5.00E-02	mg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	9.49	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.25	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.72	—	—	5.00E-02	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.25	—	—	5.00E-02	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	9.95	—	—	5.00E-02	mg/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	5.00E-02	mg/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	9.65	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.22	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.84	—	—	5.00E-02	mg/L	—	—	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.53	—	—	5.00E-02	mg/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	1.7	—	—	6.60E-02	mg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.69	—	—	6.60E-02	mg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	1.57	—	—	6.60E-02	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.56	—	—	6.60E-02	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.61	—	—	6.60E-02	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.53	—	—	6.60E-02	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.289	—	—	3.30E-02	mg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.207	—	—	3.30E-02	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.232	—	—	3.30E-02	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.227	—	—	3.30E-02	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.182	—	—	3.30E-02	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	35.8	—	—	4.50E-01	mg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.7	—	—	4.50E-01	mg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	35.6	—	—	3.50E-01	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	34.7	—	—	3.50E-01	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	36.4	—	—	3.50E-01	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	34.3	—	—	3.50E-01	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	37.5	—	—	4.50E-01	mg/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	38.4	—	—	4.50E-01	mg/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	36.3	—	—	3.50E-01	mg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	34.7	—	—	3.50E-01	mg/L	—	—	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.9	—	—	3.50E-01	mg/L	—	—	10-4727	CAAN-10-25948	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-30	9091	1140	05/19/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.2	—	—	3.50E-01	mg/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	2.92	—	—	1.10E-01	mg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.92	—	—	1.10E-01	mg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	2.9	—	—	8.50E-02	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.83	—	—	8.50E-02	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.95	—	—	8.50E-02	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.72	—	—	8.50E-02	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.06	—	—	1.10E-01	mg/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.12	—	—	1.10E-01	mg/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	2.97	—	—	8.50E-02	mg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.84	—	—	8.50E-02	mg/L	—	—	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.99	—	—	8.50E-02	mg/L	—	—	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.77	—	—	8.50E-02	mg/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.271	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.271	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.47	—	—	5.00E-02	mg/L	—	J	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.344	—	—	5.00E-02	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.257	—	—	5.00E-02	µg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.255	—	—	5.00E-02	µg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.25	—	—	5.00E-02	µg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.265	—	—	5.00E-02	µg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.244	—	—	5.00E-02	µg/L	—	J+	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.228	—	—	5.00E-02	µg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.24	—	—	5.00E-02	mg/L	—	J	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	J	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.09	—	—	5.00E-02	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.09	—	—	5.00E-02	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	J	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	J	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.18	—	—	5.00E-02	mg/L	—	—	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.14	—	—	5.00E-02	mg/L	—	—	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.19	—	—	5.00E-02	mg/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	N	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	N	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	N	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	N	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	119	—	—	1.00E+00	µS/cm	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	121	—	—	1.00E+00	µS/cm	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	123	—	—	1.00E+00	µS/cm	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	123	—	—	1.00E+00	µS/cm	—	—	11-805	CAAN-11-2164	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	123	—	—	1.00E+00	µS/cm	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	130	—	—	1.00E+00	µS/cm	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	2.48	—	—	1.00E-01	mg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.46	—	—	1.00E-01	mg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	2.59	—	—	1.00E-01	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.6	—	—	1.00E-01	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.4	—	—	1.00E-01	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.31	—	—	1.00E-01	mg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	124	—	—	2.40E+00	mg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	124	—	—	2.40E+00	mg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.40E+00	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	124	—	—	2.40E+00	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	2.40E+00	mg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	J	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.65	—	—	3.30E-01	mg/L	—	—	11-1928	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.48	—	—	3.30E-01	mg/L	—	—	11-1928	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.706	—	—	3.30E-01	mg/L	J	J	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.748	—	—	3.30E-01	mg/L	J	J	10-3229	CAAN-10-17252	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.061	—	—	1.50E-02	mg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.077	—	—	1.50E-02	mg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.047	—	—	1.50E-02	mg/L	J	U	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.061	—	—	1.50E-02	mg/L	—	U	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.78	—	—	1.00E-02	SU	H	J-	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.97	—	—	1.00E-02	SU	H	J-	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	1.00E-02	SU	H	J-	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-81.56956511	—	—	—	permil	—	—	11-801	CAAN-11-2163	EES6
R-30	9091	1140	09/23/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.28021893	—	—	—	permil	—	—	10-4728	CAAN-10-25948	EES6
R-30	9091	1140	05/19/10	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.97094773	—	—	—	permil	—	—	10-3227	CAAN-10-17252	EES6
R-30	9091	1140	05/19/10	WG	UF	DUP	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.54228213	—	—	—	permil	—	—	10-3227	CAAN-10-17252	EES6
R-30	9091	1140	12/03/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.135465667	—	—	—	permil	—	—	11-801	CAAN-11-2164	EES6
R-30	9091	1140	09/23/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.873529098	—	—	—	permil	—	—	10-4728	CAAN-10-25950	EES6
R-30	9091	1140	09/23/10	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	5.111386241	—	—	—	permil	—	—	10-4728	CAAN-10-25950	EES6
R-30	9091	1140	05/19/10	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.77488517	—	—	—	permil	—	—	10-3227	CAAN-10-17253	EES6
R-30	9091	1140	05/19/10	WG	F	DUP	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.161885194	—	—	—	permil	—	—	10-3227	CAAN-10-17253	EES6
R-30	9091	1140	12/03/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-12.16558135	—	—	—	permil	—	—	11-801	CAAN-11-2163	EES6
R-30	9091	1140	09/23/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.52907321	—	—	—	permil	—	—	10-4728	CAAN-10-25948	EES6
R-30	9091	1140	05/19/10	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.46	—	—	—	permil	—	—	10-3227	CAAN-10-17252	EES6
R-30	9091	1140	04/05/11	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	13.9	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.6	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	14.8	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.5	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.8	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.9	—	—	1.00E+00	µg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	14.7	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.8	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	15.3	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.8	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2163	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-30	9091	1140	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.5	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.8	—	—	1.00E+00	µg/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	3.17	—	—	2.00E+00	µg/L	J	J	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.72	—	—	2.00E+00	µg/L	J	J	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	µg/L	U	U	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.8	—	—	2.50E+00	µg/L	J	J	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.81	—	—	2.50E+00	µg/L	J	J	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	3.67	—	—	2.00E+00	µg/L	J	J	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.97	—	—	2.00E+00	ug/L	J	J	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.02	—	—	2.50E+00	µg/L	J	J	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.93	—	—	2.50E+00	µg/L	J	J	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.09	—	—	2.50E+00	µg/L	J	J	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	64.2	—	—	3.00E+01	µg/L	J	J	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	66	—	—	3.00E+01	µg/L	J	J	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	57.4	—	—	3.00E+01	µg/L	J	J	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	40	—	—	3.00E+01	µg/L	J	J	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	59.4	—	—	3.00E+01	µg/L	J	J	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	120	—	—	3.00E+01	µg/L	—	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	3.28	—	—	2.00E+00	µg/L	J	J	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.11	—	—	2.00E+00	µg/L	J	J	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.06	—	—	2.00E+00	µg/L	J	J	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	4.27	—	—	2.00E+00	µg/L	J	J	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.34	—	—	2.00E+00	µg/L	J	J	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	9.88	—	—	2.00E+00	µg/L	J	J	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.42	—	—	1.70E-01	µg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.37	—	—	1.70E-01	µg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	1.00E-01	µg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.00E-01	µg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	µg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.00E-01	µg/L	—	J	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.37	—	—	1.70E-01	µg/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.70E-01	µg/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	µg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.41	—	—	1.00E-01	µg/L	—	—	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	µg/L	—	—	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.46	—	—	1.00E-01	µg/L	—	J	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	1.06	—	—	5.00E-01	µg/L	J	J	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	µg/L	J	J	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.618	—	—	5.00E-01	µg/L	J	J	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.609	—	—	5.00E-01	µg/L	J	J	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	0.98	—	—	5.00E-01	µg/L	J	J	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.31	—	—	5.00E-01	µg/L	J	J	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.795	—	—	5.00E-01	µg/L	J	J	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.649	—	—	5.00E-01	µg/L	J	J	10-3230	CAAN-10-17252	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-30	9091	1140	04/05/11	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	61.9	—	—	5.30E-02	µg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.6	—	—	5.30E-02	µg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	64.7	—	—	5.30E-02	µg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.5	—	—	5.30E-02	µg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	5.30E-02	µg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64	—	—	5.30E-01	µg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	47.4	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.8	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	46.5	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.9	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.2	—	—	1.00E+00	µg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	49.6	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.4	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	47.3	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	44.9	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.2	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.4	—	—	1.00E+00	µg/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.523	—	—	6.70E-02	µg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.53	—	—	6.70E-02	µg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.472	—	—	5.00E-02	µg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	5.00E-02	µg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.611	—	—	5.00E-02	µg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.61	—	—	5.00E-02	µg/L	—	U	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.515	—	—	6.70E-02	µg/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.531	—	—	6.70E-02	µg/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.483	—	—	5.00E-02	µg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.481	—	—	5.00E-02	µg/L	—	—	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.588	—	—	5.00E-02	µg/L	—	—	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.67	—	—	5.00E-02	µg/L	—	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.79	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5493	GELC
R-30	9091	1140	04/05/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.58	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5490	GELC
R-30	9091	1140	12/03/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	6.09	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2681	GELC
R-30	9091	1140	12/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.36	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2164	GELC
R-30	9091	1140	09/23/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.31	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25950	GELC
R-30	9091	1140	05/19/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.34	—	—	1.00E+00	µg/L	—	—	10-3230	CAAN-10-17253	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.94	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.21	—	—	1.00E+00	µg/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	6.47	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.92	—	—	1.00E+00	µg/L	—	—	11-805	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.62	—	—	1.00E+00	µg/L	—	—	10-4727	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.14	—	—	1.00E+00	µg/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.00378	1.27E-03	3.10E-02	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00204	1.17E-03	3.30E-02	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.00329	7.33E-04	2.80E-02	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00483	1.53E-03	2.70E-02	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00492	1.20E-03	3.30E-02	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0112	1.53E-03	2.50E-02	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-1.01	6.00E-01	5.70E+00	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.861	4.33E-01	4.60E+00	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	0.435	5.00E-01	5.00E+00	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0456	5.67E-01	5.60E+00	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.24	5.33E-01	5.10E+00	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.6	4.33E-01	4.10E+00	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	2.97	7.33E-01	8.40E+00	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.535	4.00E-01	4.20E+00	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	2.48	4.67E-01	5.50E+00	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.146	5.67E-01	5.80E+00	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.99	6.33E-01	7.10E+00	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.82	4.00E-01	3.60E+00	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.706	2.10E-01	2.30E+00	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0865	1.57E-01	2.20E+00	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.00509	1.80E-01	2.50E+00	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	10.4	6.67E-01	2.30E+00	—	pCi/L	—	—	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.876	2.13E-01	2.10E+00	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.95	4.00E-01	2.20E+00	—	pCi/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	4.07	3.30E-01	2.40E+00	—	pCi/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.84	2.53E-01	2.30E+00	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	0.568	2.10E-01	2.20E+00	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6	4.00E-01	2.40E+00	—	pCi/L	—	—	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.612	2.20E-01	2.30E+00	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.88	2.97E-01	2.00E+00	—	pCi/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	7.4	7.00E+00	4.60E+00	—	pCi/L	—	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	21.8	5.67E+00	4.30E+01	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	—	64.6	5.33E+00	4.80E+01	—	pCi/L	—	—	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	61.5	1.50E+01	8.70E+01	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.1	3.07E+00	1.70E+01	—	pCi/L	—	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.7	5.00E+00	7.00E+01	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	0.707	1.23E+00	1.20E+01	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.127	9.00E-01	9.10E+00	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	1.18	1.03E+00	1.00E+01	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.931	1.00E+00	1.00E+01	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.29	1.03E+00	9.50E+00	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.18	7.67E-01	7.30E+00	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.00407	2.13E-03	2.70E-02	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00458	3.33E-03	3.10E-02	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.0158	2.97E-03	2.30E-02	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.00E-04	2.40E-02	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00341	1.00E-03	1.90E-02	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00614	1.20E-03	3.20E-02	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	4.85E-10	1.93E-03	3.90E-02	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	5.46E-10	1.87E-03	4.40E-02	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.0119	2.30E-03	4.10E-02	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00207	1.53E-03	4.30E-02	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0102	1.80E-03	3.30E-02	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00204	2.03E-03	3.00E-02	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	43.9	7.67E+00	9.00E+01	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.8	6.33E+00	6.20E+01	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	35.2	6.33E+00	6.50E+01	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	27.5	7.67E+00	8.40E+01	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-28.4	6.33E+00	6.10E+01	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.49	5.00E+00	5.80E+01	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-0.589	7.00E-01	6.60E+00	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.105	4.33E-01	4.30E+00	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-2.17	4.33E-01	3.20E+00	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.39	5.67E-01	3.40E+00	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.77	6.00E-01	6.50E+00	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.22	5.33E-01	5.40E+00	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.00618	4.67E-02	4.90E-01	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.229	4.67E-02	5.30E-01	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.0746	4.67E-02	4.80E-01	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0261	4.67E-02	4.90E-01	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0725	4.33E-02	4.70E-01	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0454	4.33E-02	5.10E-01	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	8.84461	1.65E+00	6.83E+00	—	pCi/L	—	U	11-851	CAAN-11-2680	ARSL
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	8.52531	1.85E+00	8.11E+00	—	pCi/L	—	U	11-851	CAAN-11-2163	ARSL
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.9158	2.24E-01	1.92E+00	—	pCi/L	U	U	10-4761	CAAN-10-25948	ARSL
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-2.58633	2.45E-01	2.17E+00	—	pCi/L	U	U	10-3250	CAAN-10-17252	ARSL
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.241	1.07E-02	3.80E-02	—	pCi/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.325	1.37E-02	4.60E-02	—	pCi/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.26	1.10E-02	5.70E-02	—	pCi/L	—	—	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.294	1.20E-02	5.70E-02	—	pCi/L	—	—	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.306	1.23E-02	7.40E-02	—	pCi/L	—	—	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.373	1.33E-02	3.70E-02	—	pCi/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0201	2.77E-03	3.10E-02	—	pCi/L	U	U	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00408	2.37E-03	3.80E-02	—	pCi/L	U	U	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.00671	2.73E-03	3.80E-02	—	pCi/L	U	U	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00337	2.50E-03	3.80E-02	—	pCi/L	U	U	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00682	1.60E-03	3.70E-02	—	pCi/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0283	3.33E-03	3.40E-02	—	pCi/L	U	U	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.122	6.67E-03	4.20E-02	—	pCi/L	—	—	11-1929	CAAN-11-5492	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.175	9.33E-03	5.10E-02	—	pCi/L	—	—	11-1929	CAAN-11-5489	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.195	9.00E-03	3.80E-02	—	pCi/L	—	—	11-804	CAAN-11-2680	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.147	7.67E-03	3.80E-02	—	pCi/L	—	—	11-804	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.176	8.33E-03	3.30E-02	—	pCi/L	—	—	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.19	8.33E-03	3.40E-02	—	pCi/L	—	—	10-3230	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FB	SVOA	SW-846:8270C	Diethylphthalate	—	5.12	—	—	2.10E+00	µg/L	J	J	11-1928	CAAN-11-5491	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.6	—	—	2.10E+00	µg/L	U	U	11-803	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.5	—	—	2.10E+00	µg/L	U	U	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10	—	—	2.00E+00	µg/L	U	U	10-3229	CAAN-10-17252	GELC
R-30	9091	1140	04/05/11	WG	UF	CS	FD	VOA	SW-846:8260B	Acetone	—	3.59	—	—	3.50E+00	µg/L	J	J	11-1928	CAAN-11-5492	GELC
R-30	9091	1140	12/03/10	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	U	11-803	CAAN-11-2163	GELC
R-30	9091	1140	09/23/10	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	10-4726	CAAN-10-25948	GELC
R-30	9091	1140	05/19/10	WG	UF	CS	—	VOA	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	10-3229	CAAN-10-17252	GELC
Test Well DT-10	1811	1078	03/28/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.2	—	—	7.30E-01	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.4	—	—	7.30E-01	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.6	—	—	7.30E-01	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	5.00E-02	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-233	CAAN-09-14339	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	1078	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	1078	03/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	5.00E-02	mg/L	—	—	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.59	—	—	6.60E-02	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.63	—	—	6.60E-02	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.275	—	—	3.30E-02	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.226	—	—	3.30E-02	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.242	—	—	3.30E-02	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.2	—	—	4.50E-01	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.4	—	—	3.50E-01	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.2	—	—	3.50E-01	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.6	—	—	4.50E-01	mg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.8	—	—	3.50E-01	mg/L	—	—	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.3	—	—	3.50E-01	mg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	1.10E-01	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	8.50E-02	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	8.50E-02	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	1.10E-01	mg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	8.50E-02	mg/L	—	—	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	8.50E-02	mg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.184	—	—	5.00E-02	µg/L	J	J	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.202	—	—	5.00E-02	µg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.171	—	—	5.00E-02	µg/L	J	J	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	5.00E-02	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	5.00E-02	mg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	10/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-109	CAAN-08-16119	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	1078	03/28/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	132	—	—	1.00E+00	µS/cm	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	132	—	—	1.00E+00	µS/cm	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	129	—	—	1.00E+00	µS/cm	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.62	—	—	1.00E-01	mg/L	—	J+	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.5	—	—	1.00E-01	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.5	—	—	1.00E-01	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.40E+00	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.537	—	—	3.30E-01	mg/L	J	J	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.413	—	—	3.30E-01	mg/L	J	J	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	10/22/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078	10/16/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.09	—	—	3.30E-01	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078	03/28/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.24	—	—	1.00E-02	SU	H	J-	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.4	—	—	1.00E-02	SU	H	J-	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.6	—	—	1.00E+00	µg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.38	—	—	1.00E+00	µg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.39	—	—	1.00E+00	µg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	6.92	—	—	1.00E+00	µg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	6.79	—	—	1.00E+00	µg/L	—	—	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.04	—	—	1.00E+00	µg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.33	—	—	1.00E+00	µg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.42	—	—	2.00E+00	µg/L	J	J	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.27	—	—	2.50E+00	µg/L	JN	J-	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	µg/L	U	U	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.73	—	—	2.00E+00	µg/L	J	J	11-1804	CAAN-11-5103	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	1078	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.39	—	—	2.50E+00	µg/L	JN	J-	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	µg/L	U	U	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.47	—	—	2.00E+00	µg/L	J	J	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.61	—	—	2.00E+00	µg/L	J	J	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.62	—	—	2.00E+00	µg/L	J	J	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.57	—	—	2.00E+00	µg/L	J	J	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.79	—	—	2.00E+00	µg/L	J	J	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.16	—	—	2.00E+00	µg/L	J	J	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.828	—	—	1.70E-01	µg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.887	—	—	1.00E-01	µg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.774	—	—	1.00E-01	µg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.837	—	—	1.70E-01	µg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.787	—	—	1.00E-01	µg/L	—	—	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.785	—	—	1.00E-01	µg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.554	—	—	5.00E-01	µg/L	J	J	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.74	—	—	5.00E-01	µg/L	J	J	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.525	—	—	5.00E-01	µg/L	J	J	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.787	—	—	5.00E-01	µg/L	J	J	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.7	—	—	5.30E-02	mg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.8	—	—	5.30E-02	mg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59	—	—	5.30E-02	mg/L	—	J+	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.6	—	—	1.00E+00	µg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.8	—	—	1.00E+00	µg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.2	—	—	1.00E+00	µg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.5	—	—	1.00E+00	µg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48	—	—	1.00E+00	µg/L	—	—	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.1	—	—	1.00E+00	µg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.602	—	—	6.70E-02	µg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.821	—	—	5.00E-02	µg/L	—	J	10-4741	CAAN-10-25933	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.625	—	—	5.00E-02	µg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	6.70E-02	µg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.798	—	—	5.00E-02	µg/L	—	J	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.641	—	—	5.00E-02	µg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.1	—	—	1.00E+00	µg/L	J	J	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.7	—	—	1.00E+00	µg/L	J	J	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.73	—	—	1.00E+00	µg/L	J	J	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.47	—	—	1.00E+00	µg/L	J	J	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.75	—	—	1.00E+00	µg/L	J	J	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.66	—	—	1.00E+00	µg/L	J	J	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	65	—	—	3.30E+00	µg/L	—	—	11-1804	CAAN-11-5104	GELC
Test Well DT-10	1811	1078	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	61.4	—	—	3.30E+00	µg/L	—	—	10-4741	CAAN-10-25933	GELC
Test Well DT-10	1811	1078	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	65.3	—	—	3.30E+00	µg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078	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	1078	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	1078	03/28/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	72.2	—	—	3.30E+00	µg/L	—	—	11-1804	CAAN-11-5103	GELC
Test Well DT-10	1811	1078	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	69.5	—	—	3.30E+00	µg/L	—	—	10-4741	CAAN-10-25934	GELC
Test Well DT-10	1811	1078	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	71.8	—	—	3.30E+00	µg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078	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	1078	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-5A	1821	1172	03/29/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59	—	—	7.30E-01	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.1	—	—	7.30E-01	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.6	—	—	7.30E-01	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.123	—	—	1.60E-02	mg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.034	—	—	1.60E-02	mg/L	J	J	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.109	—	—	1.60E-02	mg/L	—	U	10-2745	CAAN-10-15259	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Geninorg	SW-846:6010B	Calcium	—	9.08	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.73	—	—	5.00E-02	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.62	—	—	5.00E-02	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.28	—	—	5.00E-02	mg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Geninorg	SW-846:6010B	Calcium	—	8.82	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.47	—	—	5.00E-02	mg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.68	—	—	5.00E-02	mg/L	—	—	10-2745	CAAN-10-15258	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	03/29/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.69	—	—	6.60E-02	mg/L	—	—	11-1830	CAAN-11-5482	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	09/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.45	—	—	6.60E-02	mg/L	—	—	10-2745	CAAN-10-15259	GELC
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	03/29/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.231	—	—	3.30E-02	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.204	—	—	3.30E-02	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.186	—	—	3.30E-02	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	37.7	—	—	4.50E-01	mg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Geninorg	SM:A2340B	Hardness	—	33.7	—	—	4.50E-01	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.2	—	—	3.50E-01	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	31.6	—	—	3.50E-01	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	34	—	—	4.50E-01	mg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Geninorg	SM:A2340B	Hardness	—	32.6	—	—	4.50E-01	mg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31.2	—	—	3.50E-01	mg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31.8	—	—	3.50E-01	mg/L	—	—	10-2745	CAAN-10-15258	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	03/29/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.82	—	—	1.10E-01	mg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Geninorg	SW-846:6010B	Magnesium	—	2.69	—	—	1.10E-01	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.53	—	—	8.50E-02	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.46	—	—	8.50E-02	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.62	—	—	1.10E-01	mg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Geninorg	SW-846:6010B	Magnesium	—	2.56	—	—	1.10E-01	mg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.44	—	—	8.50E-02	mg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.47	—	—	8.50E-02	mg/L	—	—	10-2745	CAAN-10-15258	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	03/29/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.334	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.341	—	—	5.00E-02	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.372	—	—	5.00E-02	mg/L	—	J	10-2745	CAAN-10-15259	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	03/29/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.254	—	—	5.00E-02	µg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.266	—	—	5.00E-02	µg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.209	—	—	5.00E-02	µg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.03	—	—	5.00E-02	mg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5481	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	09/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.73	—	—	5.00E-02	mg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-2745	CAAN-10-15258	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	03/29/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	10-2745	CAAN-10-15258	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	03/29/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	113	—	—	1.00E+00	µS/cm	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	113	—	—	1.00E+00	µS/cm	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	111	—	—	1.00E+00	µS/cm	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.63	—	—	1.00E-01	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.79	—	—	1.00E-01	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.62	—	—	1.00E-01	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	2.40E+00	mg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.40E+00	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.395	—	—	3.30E-01	mg/L	J	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.341	—	—	3.30E-01	mg/L	J	J	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-2745	CAAN-10-15258	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-290	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.738	—	—	3.30E-01	mg/L	J	J	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	1.00E-02	SU	H	J-	10-2745	CAAN-10-15259	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	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.6	—	—	1.00E+00	µg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Barium	—	24.2	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.3	—	—	1.00E+00	µg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	µg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.1	—	—	1.00E+00	µg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Barium	—	23.4	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.1	—	—	1.00E+00	µg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.3	—	—	1.00E+00	µg/L	—	—	10-2745	CAAN-10-15258	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	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	03/29/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.76	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.14	—	—	2.50E+00	µg/L	J	J	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	µg/L	U	U	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.65	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Chromium	—	2.23	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.22	—	—	2.50E+00	µg/L	J	J	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	µg/L	U	U	10-2745	CAAN-10-15258	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	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	50	—	—	3.00E+01	µg/L	J	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Iron	—	36.7	—	—	3.00E+01	µg/L	J	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-2745	CAAN-10-15259	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-291	CAAN-09-13885	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	03/29/11	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	35.5	—	—	3.00E+01	µg/L	J	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Iron	—	44.2	—	—	3.00E+01	µg/L	J	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	72.4	—	—	3.00E+01	µg/L	J	J	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	60.4	—	—	3.00E+01	µg/L	J	J	10-2745	CAAN-10-15258	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	09/27/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-2745	CAAN-10-15259	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.803	—	—	5.00E-01	µg/L	J	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Lead	—	0.872	—	—	5.00E-01	µg/L	J	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.704	—	—	5.00E-01	µg/L	J	J	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.686	—	—	5.00E-01	µg/L	J	J	10-2745	CAAN-10-15258	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.76	—	—	5.00E-01	µg/L	J	U	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.25	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Manganese	—	18.8	—	—	2.00E+00	µg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	11.8	—	—	2.00E+00	µg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	10.8	—	—	2.00E+00	µg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	19.1	—	—	2.00E+00	µg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Manganese	—	19	—	—	2.00E+00	µg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	17.4	—	—	2.00E+00	µg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	14.4	—	—	2.00E+00	µg/L	—	—	10-2745	CAAN-10-15258	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	03/29/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.70E-01	µg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.70E-01	µg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	µg/L	—	J	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	µg/L	—	—	10-2745	CAAN-10-15259	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	—	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	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.70E-01	µg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.70E-01	µg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	µg/L	—	J	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	µg/L	—	—	10-2745	CAAN-10-15258	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	09/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-2745	CAAN-10-15259	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.525	—	—	5.00E-01	µg/L	J	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-2745	CAAN-10-15258	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	10-291	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	5.30E-02	mg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.4	—	—	5.30E-02	mg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	5.30E-02	mg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	1.00E+00	µg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Strontium	—	46.1	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45	—	—	1.00E+00	µg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.9	—	—	1.00E+00	µg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.3	—	—	1.00E+00	µg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Strontium	—	45.1	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	43.6	—	—	1.00E+00	µg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1.00E+00	µg/L	—	—	10-2745	CAAN-10-15258	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	03/29/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.267	—	—	6.70E-02	µg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Metals	SW-846:6020	Uranium	—	0.311	—	—	6.70E-02	µg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.349	—	—	5.00E-02	µg/L	—	U	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.365	—	—	5.00E-02	µg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.325	—	—	6.70E-02	µg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Uranium	—	0.307	—	—	6.70E-02	µg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.373	—	—	5.00E-02	µg/L	—	U	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.359	—	—	5.00E-02	µg/L	—	—	10-2745	CAAN-10-15258	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	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.01	—	—	1.00E+00	µg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Vanadium	—	7.81	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.31	—	—	1.00E+00	µg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.01	—	—	1.00E+00	µg/L	—	—	10-2745	CAAN-10-15259	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

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	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	03/29/11	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.44	—	—	1.00E+00	µg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.57	—	—	1.00E+00	µg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.55	—	—	1.00E+00	µg/L	—	—	10-2745	CAAN-10-15258	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
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	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	106	—	—	3.30E+00	µg/L	—	J	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Zinc	—	162	—	—	3.30E+00	µg/L	—	—	11-1830	CAAN-11-5482	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	148	—	—	3.30E+00	µg/L	—	—	10-4775	CAAN-10-25938	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	149	—	—	3.30E+00	µg/L	—	—	10-2745	CAAN-10-15259	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	03/29/11	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	160	—	—	3.30E+00	µg/L	—	J	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Zinc	—	166	—	—	3.30E+00	µg/L	—	—	11-1830	CAAN-11-5481	GELC
Test Well DT-5A	1821	1172	09/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	152	—	—	3.30E+00	µg/L	—	—	10-4775	CAAN-10-25937	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	157	—	—	3.30E+00	µg/L	—	—	10-2745	CAAN-10-15258	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-9	1831	819	03/29/11	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.8	—	—	7.30E-01	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56.2	—	—	7.30E-01	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.6	—	—	7.30E-01	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0816	—	—	6.60E-02	mg/L	J	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	819	10/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.94	—	—	5.00E-02	mg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.72	—	—	5.00E-02	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.84	—	—	5.00E-02	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	RE	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.66	—	—	5.00E-02	mg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.77	—	—	5.00E-02	mg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.74	—	—	6.60E-02	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.71	—	—	6.60E-02	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.51	—	—	6.60E-02	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.273	—	—	3.30E-02	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.264	—	—	3.30E-02	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.229	—	—	3.30E-02	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.9	—	—	4.50E-01	mg/L	—	J	11-1830	CAAN-11-5483	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	819	03/29/11	WG	F	RE	—	Geninorg	SM:A2340B	Hardness	—	37.5	—	—	4.50E-01	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.5	—	—	3.50E-01	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.8	—	—	3.50E-01	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	RE	—	Geninorg	SM:A2340B	Hardness	—	38.4	—	—	4.50E-01	mg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.4	—	—	3.50E-01	mg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.4	—	—	3.50E-01	mg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.68	—	—	1.10E-01	mg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Geninorg	SW-846:6010B	Magnesium	—	2.85	—	—	1.10E-01	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.73	—	—	8.50E-02	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.72	—	—	8.50E-02	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	RE	—	Geninorg	SW-846:6010B	Magnesium	—	2.96	—	—	1.10E-01	mg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.74	—	—	8.50E-02	mg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.68	—	—	8.50E-02	mg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.317	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.344	—	—	5.00E-02	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.494	—	—	5.00E-02	mg/L	—	U	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.26	—	—	5.00E-02	µg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.273	—	—	5.00E-02	µg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.255	—	—	5.00E-02	µg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.896	—	—	5.00E-02	mg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Geninorg	SW-846:6010B	Potassium	—	0.973	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.02	—	—	5.00E-02	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.916	—	—	5.00E-02	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.107	—	—	5.00E-02	mg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	03/29/11	WG	UF	RE	—	Geninorg	SW-846:6010B	Potassium	—	0.98	—	—	5.00E-02	mg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.992	—	—	5.00E-02	mg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.866	—	—	5.00E-02	mg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	819	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	819	03/29/11	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	0.64	—	—	1.00E-01	mg/L	—	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	03/29/11	WG	UF	RE	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-1830	CAAN-11-5484	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	819	09/24/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	117	—	—	1.00E+00	µS/cm	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	119	—	—	1.00E+00	µS/cm	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	118	—	—	1.00E+00	µS/cm	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.69	—	—	1.00E-01	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.76	—	—	1.00E-01	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.69	—	—	1.00E-01	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	117	—	—	2.40E+00	mg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.40E+00	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.458	—	—	3.30E-01	mg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.479	—	—	3.30E-01	mg/L	J	J	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	10/28/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-290	CAAN-09-14338	GELC
Test Well DT-9	1831	819	10/15/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.837	—	—	3.30E-01	mg/L	J	J	09-95	CAAN-08-16112	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.04	—	—	1.00E-02	SU	H	J-	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	1.00E-02	SU	H	J-	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.13	—	—	1.50E+00	µg/L	J	J	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Arsenic	—	1.71	—	—	1.70E+00	µg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.99	—	—	1.50E+00	µg/L	J	J	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.2	—	—	1.00E+00	µg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Barium	—	15.5	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	µg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.3	—	—	1.00E+00	µg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Barium	—	16.3	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.5	—	—	1.00E+00	µg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.5	—	—	1.00E+00	µg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	10-2890	CAAN-10-15260	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	819	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	819	10/15/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	13	—	—	1.00E+01	µg/L	J	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	03/29/11	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.8	—	—	1.50E+01	µg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	µg/L	J	J	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	µg/L	U	U	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	819	10/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	12.5	—	—	1.00E+01	µg/L	J	J	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.9	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Metals	SW-846:6020	Chromium	—	3	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.53	—	—	2.50E+00	µg/L	J	J	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.61	—	—	2.50E+00	µg/L	J	J	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.18	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Chromium	—	3.23	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.01	—	—	2.50E+00	µg/L	J	J	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.06	—	—	2.50E+00	µg/L	J	J	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	227	—	—	3.00E+01	µg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	40	—	—	3.00E+01	µg/L	J	J	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	819	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	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Iron	—	264	—	—	3.00E+01	µg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	338	—	—	3.00E+01	µg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	256	—	—	3.00E+01	µg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.523	—	—	5.00E-01	µg/L	J	U	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	819	10/15/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.19	—	—	5.00E-01	µg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Lead	—	1.32	—	—	5.00E-01	µg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	20.1	—	—	5.00E-01	µg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	10/28/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.679	—	—	5.00E-01	µg/L	J	U	10-291	CAAN-09-14338	GELC
Test Well DT-9	1831	819	10/15/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2.7	—	—	5.00E-01	µg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.14	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.07	—	—	2.00E+00	µg/L	J	J	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	10-291	CAAN-09-14336	GELC
Test Well DT-9	1831	819	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	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Manganese	—	9.16	—	—	2.00E+00	µg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.19	—	—	2.00E+00	µg/L	J	J	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.7	—	—	2.00E+00	µg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.70E-01	µg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.70E-01	µg/L	—	—	11-1830	CAAN-11-5483	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	819	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	1.00E-01	µg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.961	—	—	1.00E-01	µg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.70E-01	µg/L	—	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.70E-01	µg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	µg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.613	—	—	1.00E-01	µg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.27	—	—	5.00E-01	µg/L	J	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Metals	SW-846:6020	Nickel	—	0.671	—	—	5.00E-01	µg/L	J	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.732	—	—	5.00E-01	µg/L	J	J	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.714	—	—	5.00E-01	µg/L	J	J	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	µg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Nickel	—	0.87	—	—	5.00E-01	µg/L	J	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.882	—	—	5.00E-01	µg/L	J	J	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	µg/L	J	J	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.5	—	—	5.30E-02	mg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66	—	—	5.30E-02	mg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.1	—	—	5.30E-02	mg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48	—	—	1.00E+00	µg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Strontium	—	48.3	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.9	—	—	1.00E+00	µg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46	—	—	1.00E+00	µg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Strontium	—	49.3	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.9	—	—	1.00E+00	µg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.9	—	—	1.00E+00	µg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.334	—	—	6.70E-02	µg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Metals	SW-846:6020	Uranium	—	0.392	—	—	6.70E-02	µg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.458	—	—	5.00E-02	µg/L	—	J	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.491	—	—	5.00E-02	µg/L	—	U	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.335	—	—	6.70E-02	µg/L	—	J	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6020	Uranium	—	0.402	—	—	6.70E-02	µg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.461	—	—	5.00E-02	µg/L	—	J	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.45	—	—	5.00E-02	µg/L	—	U	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.06	—	—	1.00E+00	µg/L	—	J	11-1830	CAAN-11-5483	GELC

Table C-2 Ancho Analytical Results and Results from the Four Previous Monitoring Events if Available

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	819	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Vanadium	—	5.32	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.41	—	—	1.00E+00	µg/L	—	—	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.38	—	—	1.00E+00	µg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Vanadium	—	5.76	—	—	1.00E+00	µg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.42	—	—	1.00E+00	µg/L	—	—	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.46	—	—	1.00E+00	µg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	111	—	—	3.30E+00	µg/L	—	J	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	03/29/11	WG	F	RE	—	Metals	SW-846:6010B	Zinc	—	102	—	—	3.30E+00	µg/L	—	—	11-1830	CAAN-11-5483	GELC
Test Well DT-9	1831	819	09/24/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	89.9	—	—	3.30E+00	µg/L	N	J	10-4754	CAAN-10-25939	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	89.1	—	—	3.30E+00	µg/L	—	—	10-2890	CAAN-10-15260	GELC
Test Well DT-9	1831	819	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	819	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	819	03/29/11	WG	UF	RE	—	Metals	SW-846:6010B	Zinc	—	113	—	—	3.30E+00	µg/L	—	—	11-1830	CAAN-11-5484	GELC
Test Well DT-9	1831	819	09/24/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	94.3	—	—	3.30E+00	µg/L	N	J	10-4754	CAAN-10-25940	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	188	—	—	3.30E+00	µg/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	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	819	10/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	105	—	—	2.00E+00	µg/L	—	—	09-96	CAAN-08-16112	GELC

Appendix D

Analytical Chemistry Screening Results

The following pages provide lists of (1) acronyms, abbreviations, symbols, and various analytical codes, (2) analytical laboratory qualifier codes, and (3) secondary validation flag codes that may be used in Appendix D. Please note that these are comprehensive lists, and this periodic monitoring report may not include all of the acronyms, abbreviations, symbols, and codes in the lists.

The following pages also include secondary validation reason codes. Because there are over 400 secondary validation reason codes, this list is not comprehensive and includes only those codes used in this particular periodic monitoring report.

The secondary data validation summary is provided in Appendix F.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%R	percent recovery
<	Based on qualifiers, the result was a nondetection.
—	none
CB	chlorobiphenyl
CCV	continuing calibration verification
CLP	Control Laboratory Program
CRDL	contract-required detection limit
DCG	Derived Concentration Guide (DOE)
DNX	dinitroso-RDX (or hexahydro 1,3-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
GC	gas chromatography
GFAA	graphite furnace atomic absorption
GFPC	gas-flow proportional counter
GW	groundwater
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	high-pressure liquid chromatography
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification
IDL	instrument detection limit
LAL	lower acceptance limit
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Miscellaneous (continued)	
MNX	mononitrosodimethylamine
MS	matrix spike
MSD	matrix spike duplicate
NM	NMWQCC
NMWQCC	New Mexico Water Quality Control Commission
PCB	polychlorinated biphenyl
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
Scr	screening
SSC	suspended sediment concentration
SU	standard unit
TDS	total dissolved solids
TNX	trinitroso-RDX
TPU	total propagated uncertainty
UAL	upper acceptance limit
Field Matrix Codes	
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
Field Prep Codes	
F	filtered
UF	unfiltered
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FR	field rinsate
FS	field split
FTB	field trip blank
FTR	field triplicate

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Field QC Type Codes (continued)	
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.
NA	not applicable
PEB	performance evaluation blank
PEK	performance evaluation known
RES	resample
SS	special sampling event, data unique
SS-EQB	equipment blank of special sampling event, data unique
SS-FB	field blank of special sampling event, data unique
SS-FD	field duplicate of special sampling event, data unique
SS-FTB	field trip blank of special sampling event, data unique
Analytical Suite Codes	
ANION	anions
DIOX/FUR, Diox/Fur	dioxins and furans
DRO	diesel range organics
GAMMA, GAMMA_SPEC	gamma spectroscopy
Geninorg, GENINORG	general inorganics
GRO	gasoline range organics
GROSSA	gross alpha
GROSSB	gross beta
HERB	herbicides
HEXP	high explosives
INORGANIC	inorganics
ISOTOPE, Isotope	isotope ratios
METALS, Metals	metals
PCB	polychlorinated biphenyls
PCB_CONG, PCB Cong	PCB congeners
PEST	pesticides
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry
SVOA	semivolatile organics
SVOC	semivolatile organic compounds
VOA	volatile organics
VOC	volatile organic compounds
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
RE	reanalysis

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Lab Sample Type Codes (continued)	
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services–Primary
CFA	Cape Fear Analytical, LLC, Wilmington, NC
C-INC	Isotope and Nuclear Chemistry Division (LANL)
COAST	Coastal Science Laboratories, Austin, TX
CST	Chemical Sciences and Technology Division (LANL)
EES6	Hydrology, Geochemistry, and Geology Group (LANL)
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
FLD	measurement taken in field
GEL	General Engineering Laboratories, Inc.
GELC	General Engineering Laboratories, Inc., Charleston, SC
GEO	Geochron Laboratories, Boston, MA
HENV	Health and Environmental Laboratory (Johnson Controls, Northern New Mexico)
HUFFMAN	Huffman Laboratories, Inc., Golden, CO
KA	KEMRON Environmental Services, Inc., Vienna, VA
LVLI	Lionville Laboratory, Inc., Philadelphia, PA
PARA	Paragon Analytics, Inc., Salt Lake City, UT
PEC	Pacific Ecorisk Laboratories, Fairfield, CA
QESL	Quanterra Environmental Services, St. Louis, MO
QST	QST Environmental, Newberry, FL
RECRAP	RECRA Labnet, Lionville, PA
RFWC	Roy F. Weston, Inc., West Chester, PA
SGSW	Paradigm Analytical Laboratories, Inc., Wilmington, NC
SILENS	Stable Isotope Laboratory, Woods Hole, MA
STL2, STR	Severn Trent Laboratories, Inc., Richland, WA (historical)
STLA	Severn Trent Laboratories, Inc., Los Angeles, CA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SwRI	Southwest Research Institute, San Antonio, TX
UAZ	University of Arizona, Tucson
UIL	University of Illinois, Urbana-Champaign
UMTL	University of Miami Tritium Lab

Analytical Laboratory Qualifier Codes

Code	Description
*	(Inorganic)—Duplicate analysis (relative percent difference) not within control limits.
B	(Organic) —Analyte was 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	See B code, see J code, and see P code.
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 gas chromatography (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.
D	The result for this analyte was reported from a dilution.
DJ	See D code and see J code.
DNA	Did not analyze because equipment was broken.
E	(Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
E*	See E code and see * code.
EJ	See E code and see J code.
EJ*	See E code, see J code, and see * code.
EJN	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (inductively coupled plasma atomic [optical] emission spectroscopy [ICPAES])—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 method detection limit (MDL) but less than the practical quantitation limit (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.
EN*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICPAES)—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.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
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	See H code and see J code.
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 because the blank does not have nitrate. This is different from most analytical methods, where a blank is run with 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*	See J code and see * code.
JB	See J code and see B code
JN	See J code and see N code.
JN*	See J code, see N code, and see * code.
JP	See J code and see P code.
N	(Inorganic)—Spiked sample recovery was not within control limits.
N*	See N code and see * code.
N*E	See N code, see * code, and see E code.
NE	See N code and see E code.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
PJ	See P code and see J code.
U	The material was analyzed for but was not detected above the level of the associated numeric value.
U*	See U code and see * code.
UD	See U code and see D code.
UE	See U code and see E code.
UE*	See U code, see E code, and see * code.
UEN	See U code, see E code, and see N code.
UH	See U code and see H code.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
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	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification.
UN	EPA flag (Inorganic)—Compound was analyzed for but was not detected. Spiked sample recovery was not within control limits.
UN*	EPA flag (Inorganic)—See U code, see N code, and see * code.
UUI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification, and the analytical lab assigned these gamma spectroscopy results as not detected.
X	The analytical laboratory suspects the result is a nondetect despite positive quantification results.

Secondary Validation Flag Codes

Code	Description
A	The contractually required supporting documentation for this datum is absent.
I	The calculated sums are considered incomplete because of the lack of one or more congener results.
J	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.
J-	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential 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.
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.
N	There is presumptive evidence of the presence of the material.
NJ	(Organic) Analyte has been tentatively identified, and the associated numerical value is estimated based upon a 1:1 response factor to the nearest eluting internal standard.
NQ	No validation qualifier flag is associated with this result, and the analyte is classified as detected.
PM	Manual review of raw data is recommended to determine if the observed noncompliances with quality acceptance criteria adversely impact data use.
R	The reported sample result is classified as rejected because of serious noncompliances regarding quality control (QC) acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
U	The analyte is classified as not detected.
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

Secondary Validation Reason Codes

Code	Description
J_LAB	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.
R5	The results for the affected analytes are considered not detected (U) because the associated sample concentration was less than or equal to the minimum detectable concentration.
R11	The results for the affected analytes should be regarded as not detected (U) because the associated sample concentration was less than 3× the 1 sigma total propagated uncertainty.

Table D-1
Previously Unreported Ancho Canyon Groundwater Tritium

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional	R-30	SINGLE	1140	09/23/10	H-3	UF	CS	FD	<	3.07	1.05	3.06528	—*	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-30	SINGLE	1140	09/23/10	H-3	UF	CS	—	<	1.92	0.67	1.9158	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	Test Well DT-5A	SINGLE	1172	09/27/10	H-3	UF	CS	—	<	2.08	0.70	2.04352	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R11
Regional	Test Well DT-9	SINGLE	819	09/24/10	H-3	UF	CS	—	<	2.68	0.93	2.65019	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R11
Regional	Test Well DT-10	SINGLE	1078.4	09/24/10	H-3	UF	CS	—	<	2.49	0.86	2.49054	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-31	MULTI	542.5	09/14/10	H-3	UF	CS	—	<	2.27	0.77	2.26703	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-31	MULTI	670.3	09/14/10	H-3	UF	CS	—	<	2.30	0.80	2.29896	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-31	MULTI	830.9	09/20/10	H-3	UF	CS	—	—	2.87	0.73	1.9158	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-31	MULTI	1011.3	09/09/10	H-3	UF	CS	—	<	2.62	0.89	2.61826	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Intermediate Spring	Barbara Spring	SPRING	—	09/17/10	H-3	UF	CS	—	—	2.87	0.73	1.9158	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—

* — = None.

Table D-2
Ancho Canyon Groundwater Radionuclides

Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)
R-30	SINGLE	1140	12/03/10	GROSSA	UF	CS	—*	—	10.4	2	2.3	pCi/L	GELC	EPA:900	—	—	—	30	0.35	15	0.69

* — = None.

Table D-3
Ancho Canyon Groundwater Tritium

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional	R-29	SINGLE	1170	12/03/10	H-3	UF	CS	—*	<	8.72	5.68	8.3018	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R11
Regional	R-29	SINGLE	1170	01/07/11	H-3	UF	CS	—	<	10.98	6.07	8.33373	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R11
Regional	R-30	SINGLE	1140	12/03/10	H-3	UF	CS	FD	<	8.84	4.95	6.83302	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R11
Regional	R-30	SINGLE	1140	12/03/10	H-3	UF	CS	—	<	8.53	5.56	8.11022	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	U	R11

* — = None.

Table D-4
Ancho Canyon Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-29	SINGLE	1170	12/03/10	—*	F	CS	ClO4	SW-846:6850	—	0.267	0.05	µg/L	1	—	—	—	GELC
Regional	R-29	SINGLE	1170	01/07/11	—	F	CS	ClO4	SW-846:6850	—	0.255	0.05	µg/L	1	—	—	—	GELC
Regional	R-29	SINGLE	1170	04/06/11	—	F	CS	ClO4	SW-846:6850	—	0.256	0.05	µg/L	1	—	—	—	GELC
Regional	R-30	SINGLE	1140	12/03/10	—	F	CS	ClO4	SW-846:6850	—	0.265	0.05	µg/L	1	—	—	—	GELC
Regional	R-30	SINGLE	1140	12/03/10	FD	F	CS	ClO4	SW-846:6850	—	0.25	0.05	µg/L	1	—	—	—	GELC
Regional	R-30	SINGLE	1140	04/05/11	—	F	CS	ClO4	SW-846:6850	—	0.255	0.05	µg/L	1	—	—	—	GELC
Regional	R-30	SINGLE	1140	04/05/11	FD	F	CS	ClO4	SW-846:6850	—	0.257	0.05	µg/L	1	—	—	—	GELC
Regional	Test Well DT-5A	SINGLE	1172	03/29/11	—	F	CS	ClO4	SW-846:6850	—	0.254	0.05	µg/L	1	—	—	—	GELC
Regional	Test Well DT-9	SINGLE	819	03/29/11	—	F	CS	ClO4	SW-846:6850	—	0.26	0.05	µg/L	1	—	—	—	GELC
Regional	Test Well DT-10	SINGLE	1078	03/28/11	—	F	CS	ClO4	SW-846:6850	—	0.184	0.05	µg/L	1	J	J	J_LAB	GELC

* — = None.

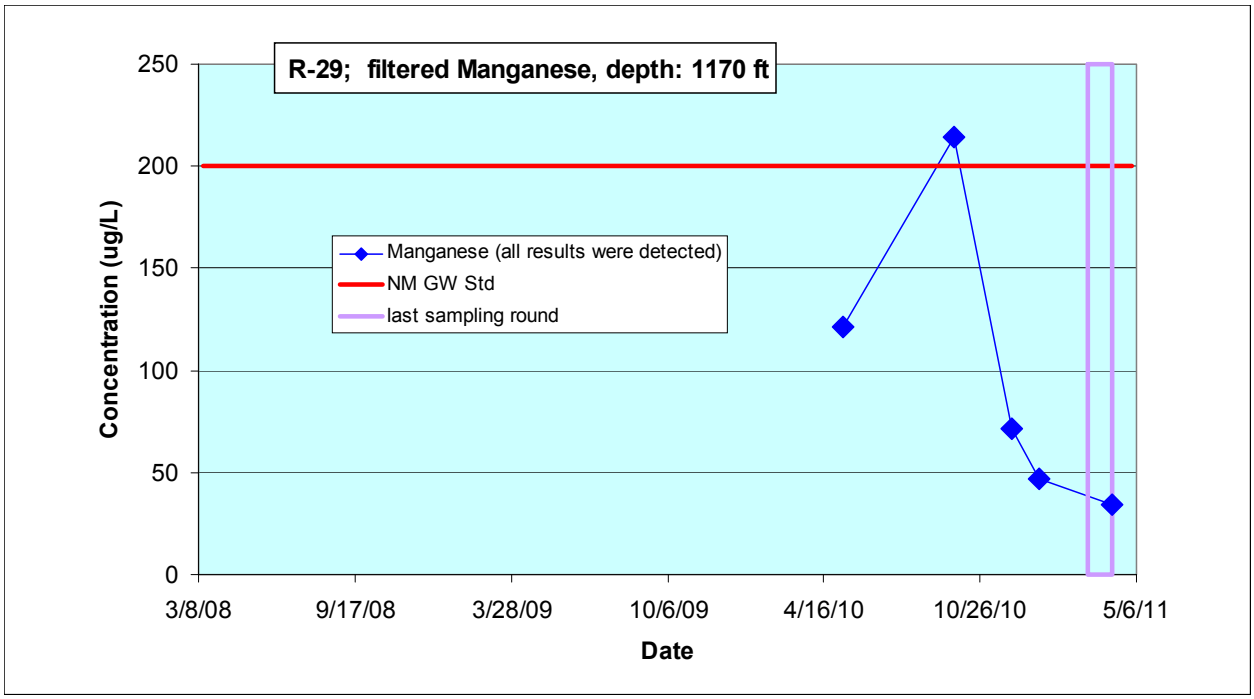
Table D-5
Ancho Canyon Groundwater Organics

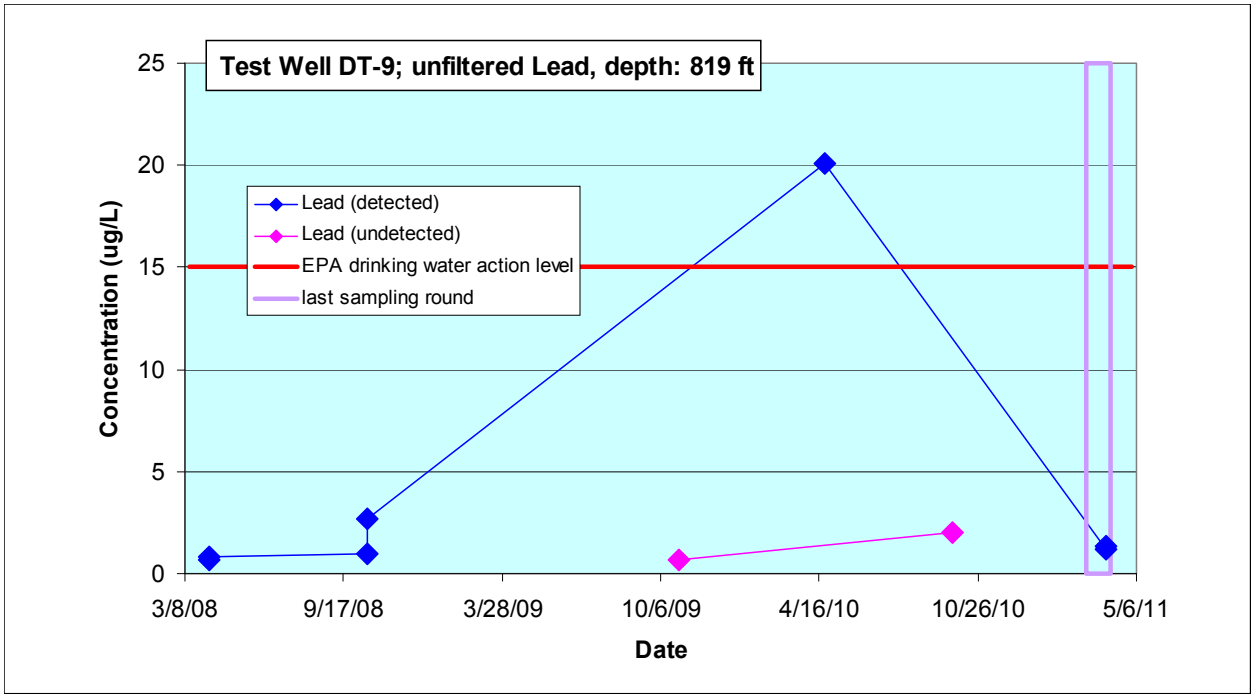
Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)
Regional	R-30	SINGLE	1140	04/05/11	FB	UF	CS	SVOA	Diethylphthalate	84-66-2	—*	5.12	2.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	29,000	—
Regional	R-30	SINGLE	1140	04/05/11	FD	UF	CS	VOA	Acetone	67-64-1	—	3.59	3.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	22,000	—

* — = None.

Appendix E

Analytical Chemistry Graphs of
Screening-Level Exceedances


R-29; filtered Manganese, depth: 1170 ft
Concentration (ug/L)
250
200
150
100
50
0
Manganese (all results were detected)
NM GW Std
last sampling round
3/8/08
9/17/08
3/28/09
10/6/09
4/16/10
10/26/10
5/6/11
Date


Test Well DT-9; unfiltered Lead, depth: 819 ft
Concentration (ug/L)
25
20
15
10
5
0
Lead (detected)
Lead (undetected)
EPA drinking water action level
last sampling round
3/8/08
9/17/08
3/28/09
10/6/09
4/16/10
10/26/10
5/6/11
Date

Appendix F

Analytical Reports
(on CD included with this document)

DVD Table of Contents

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-1039	DIOX/FUR[a]	CFA	CAAN-11-3194	1/7/2011	R-29	1170
11-1040	HEXP[b]	STSL	CAAN-11-3194	1/7/2011	R-29	1170
11-1041	GENINORG[c]	GELC	CAAN-11-3194	1/7/2011	R-29	1170
11-1041	GENINORG	GELC	CAAN-11-3195	1/7/2011	R-29	1170
11-1041	GENINORG	GELC	CAAN-11-5611	1/7/2011	R-29	1170
11-1041	GENINORG	GELC	CAAN-11-5612	1/7/2011	R-29	1170
11-1041	HEXP	GELC	CAAN-11-3194	1/7/2011	R-29	1170
11-1041	METALS	GELC	CAAN-11-3194	1/7/2011	R-29	1170
11-1041	METALS	GELC	CAAN-11-3195	1/7/2011	R-29	1170
11-1041	METALS	GELC	CAAN-11-5611	1/7/2011	R-29	1170
11-1041	METALS	GELC	CAAN-11-5612	1/7/2011	R-29	1170
11-1041	PEST/PCB[d]	GELC	CAAN-11-3194	1/7/2011	R-29	1170
11-1041	RAD[e]	GELC	CAAN-11-3194	1/7/2011	R-29	1170
11-1041	SVOA[f]	GELC	CAAN-11-3194	1/7/2011	R-29	1170
11-1041	VOA[g]	GELC	CAAN-11-3194	1/7/2011	R-29	1170
11-1041	VOA	GELC	CAAN-11-3196	1/7/2011	R-29	1170
11-1123	RAD	ARSL	CAAN-11-3194	1/7/2011	R-29	1170
11-1804	GENINORG	GELC	CAAN-11-5103	3/28/2011	Test Well DT-10	1078.4
11-1804	GENINORG	GELC	CAAN-11-5104	3/28/2011	Test Well DT-10	1078.4
11-1804	HEXP	GELC	CAAN-11-5103	3/28/2011	Test Well DT-10	1078.4
11-1804	METALS	GELC	CAAN-11-5103	3/28/2011	Test Well DT-10	1078.4
11-1804	METALS	GELC	CAAN-11-5104	3/28/2011	Test Well DT-10	1078.4
11-1830	GENINORG	GELC	CAAN-11-5481	3/29/2011	Test Well DT-5A	1172
11-1830	GENINORG	GELC	CAAN-11-5482	3/29/2011	Test Well DT-5A	1172
11-1830	GENINORG	GELC	CAAN-11-5483	3/29/2011	Test Well DT-9	819
11-1830	GENINORG	GELC	CAAN-11-5484	3/29/2011	Test Well DT-9	819
11-1830	HEXP	GELC	CAAN-11-5481	3/29/2011	Test Well DT-5A	1172
11-1830	HEXP	GELC	CAAN-11-5484	3/29/2011	Test Well DT-9	819
11-1830	METALS	GELC	CAAN-11-5481	3/29/2011	Test Well DT-5A	1172
11-1830	METALS	GELC	CAAN-11-5482	3/29/2011	Test Well DT-5A	1172
11-1830	METALS	GELC	CAAN-11-5483	3/29/2011	Test Well DT-9	819
11-1830	METALS	GELC	CAAN-11-5484	3/29/2011	Test Well DT-9	819
11-1926	HEXP	STSL	CAAN-11-5489	4/5/2011	R-30	1140
11-1926	HEXP	STSL	CAAN-11-5492	4/5/2011	R-30	1140
11-1927	DIOX/FUR	CFA	CAAN-11-5489	4/5/2011	R-30	1140
11-1927	DIOX/FUR	CFA	CAAN-11-5491	4/5/2011	R-30	1140

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-1927	DIOX/FUR	CFA	CAAN-11-5492	4/5/2011	R-30	1140
11-1928	GENINORG	GELC	CAAN-11-5489	4/5/2011	R-30	1140
11-1928	GENINORG	GELC	CAAN-11-5492	4/5/2011	R-30	1140
11-1928	HEXP	GELC	CAAN-11-5489	4/5/2011	R-30	1140
11-1928	HEXP	GELC	CAAN-11-5492	4/5/2011	R-30	1140
11-1928	PEST/PCB	GELC	CAAN-11-5489	4/5/2011	R-30	1140
11-1928	PEST/PCB	GELC	CAAN-11-5491	4/5/2011	R-30	1140
11-1928	PEST/PCB	GELC	CAAN-11-5492	4/5/2011	R-30	1140
11-1928	SVOA	GELC	CAAN-11-5489	4/5/2011	R-30	1140
11-1928	SVOA	GELC	CAAN-11-5491	4/5/2011	R-30	1140
11-1928	SVOA	GELC	CAAN-11-5492	4/5/2011	R-30	1140
11-1928	VOA	GELC	CAAN-11-5488	4/5/2011	R-30	1140
11-1928	VOA	GELC	CAAN-11-5489	4/5/2011	R-30	1140
11-1928	VOA	GELC	CAAN-11-5491	4/5/2011	R-30	1140
11-1928	VOA	GELC	CAAN-11-5492	4/5/2011	R-30	1140
11-1929	GENINORG	GELC	CAAN-11-5489	4/5/2011	R-30	1140
11-1929	GENINORG	GELC	CAAN-11-5490	4/5/2011	R-30	1140
11-1929	GENINORG	GELC	CAAN-11-5492	4/5/2011	R-30	1140
11-1929	GENINORG	GELC	CAAN-11-5493	4/5/2011	R-30	1140
11-1929	METALS	GELC	CAAN-11-5489	4/5/2011	R-30	1140
11-1929	METALS	GELC	CAAN-11-5490	4/5/2011	R-30	1140
11-1929	METALS	GELC	CAAN-11-5492	4/5/2011	R-30	1140
11-1929	METALS	GELC	CAAN-11-5493	4/5/2011	R-30	1140
11-1929	RAD	GELC	CAAN-11-5489	4/5/2011	R-30	1140
11-1929	RAD	GELC	CAAN-11-5492	4/5/2011	R-30	1140
11-1948	HEXP	STSL	CAAN-11-5485	4/6/2011	R-29	1170
11-1949	DIOX/FUR	CFA	CAAN-11-5485	4/6/2011	R-29	1170
11-1950	GENINORG	GELC	CAAN-11-5485	4/6/2011	R-29	1170
11-1950	GENINORG	GELC	CAAN-11-5486	4/6/2011	R-29	1170
11-1950	HEXP	GELC	CAAN-11-5485	4/6/2011	R-29	1170
11-1950	METALS	GELC	CAAN-11-5485	4/6/2011	R-29	1170
11-1950	METALS	GELC	CAAN-11-5486	4/6/2011	R-29	1170
11-1950	PEST/PCB	GELC	CAAN-11-5485	4/6/2011	R-29	1170
11-1950	RAD	GELC	CAAN-11-5485	4/6/2011	R-29	1170
11-1950	SVOA	GELC	CAAN-11-5485	4/6/2011	R-29	1170
11-1950	VOA	GELC	CAAN-11-5485	4/6/2011	R-29	1170
11-1950	VOA	GELC	CAAN-11-5487	4/6/2011	R-29	1170

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-2100	DIOX/FUR	CFA	CAAN-11-5494	3/30/2011	R-30	1140
11-800	DIOX/FUR	CFA	CAAN-11-2159	12/3/2010	R-29	1170
11-800	DIOX/FUR	CFA	CAAN-11-2163	12/3/2010	R-30	1140
11-800	DIOX/FUR	CFA	CAAN-11-2680	12/3/2010	R-30	1140
11-800	DIOX/FUR	CFA	CAAN-11-2682	12/3/2010	R-30	1140
11-802	HEXP	STSL	CAAN-11-2159	12/3/2010	R-29	1170
11-802	HEXP	STSL	CAAN-11-2163	12/3/2010	R-30	1140
11-802	HEXP	STSL	CAAN-11-2680	12/3/2010	R-30	1140
11-803	HEXP	GELC	CAAN-11-2159	12/3/2010	R-29	1170
11-803	HEXP	GELC	CAAN-11-2163	12/3/2010	R-30	1140
11-803	HEXP	GELC	CAAN-11-2680	12/3/2010	R-30	1140
11-803	PEST/PCB	GELC	CAAN-11-2159	12/3/2010	R-29	1170
11-803	PEST/PCB	GELC	CAAN-11-2163	12/3/2010	R-30	1140
11-803	PEST/PCB	GELC	CAAN-11-2680	12/3/2010	R-30	1140
11-803	PEST/PCB	GELC	CAAN-11-2682	12/3/2010	R-30	1140
11-803	SVOA	GELC	CAAN-11-2159	12/3/2010	R-29	1170
11-803	SVOA	GELC	CAAN-11-2163	12/3/2010	R-30	1140
11-803	SVOA	GELC	CAAN-11-2680	12/3/2010	R-30	1140
11-803	SVOA	GELC	CAAN-11-2682	12/3/2010	R-30	1140
11-803	VOA	GELC	CAAN-11-2159	12/3/2010	R-29	1170
11-803	VOA	GELC	CAAN-11-2161	12/3/2010	R-29	1170
11-803	VOA	GELC	CAAN-11-2162	12/3/2010	R-30	1140
11-803	VOA	GELC	CAAN-11-2163	12/3/2010	R-30	1140
11-803	VOA	GELC	CAAN-11-2680	12/3/2010	R-30	1140
11-803	VOA	GELC	CAAN-11-2682	12/3/2010	R-30	1140
11-804	RAD	GELC	CAAN-11-2159	12/3/2010	R-29	1170
11-804	RAD	GELC	CAAN-11-2163	12/3/2010	R-30	1140
11-804	RAD	GELC	CAAN-11-2680	12/3/2010	R-30	1140
11-805	GENINORG	GELC	CAAN-11-2159	12/3/2010	R-29	1170
11-805	GENINORG	GELC	CAAN-11-2160	12/3/2010	R-29	1170
11-805	GENINORG	GELC	CAAN-11-2163	12/3/2010	R-30	1140
11-805	GENINORG	GELC	CAAN-11-2164	12/3/2010	R-30	1140
11-805	GENINORG	GELC	CAAN-11-2680	12/3/2010	R-30	1140
11-805	GENINORG	GELC	CAAN-11-2681	12/3/2010	R-30	1140
11-805	METALS	GELC	CAAN-11-2159	12/3/2010	R-29	1170
11-805	METALS	GELC	CAAN-11-2160	12/3/2010	R-29	1170
11-805	METALS	GELC	CAAN-11-2163	12/3/2010	R-30	1140
11-805	METALS	GELC	CAAN-11-2164	12/3/2010	R-30	1140
11-805	METALS	GELC	CAAN-11-2680	12/3/2010	R-30	1140
11-805	METALS	GELC	CAAN-11-2681	12/3/2010	R-30	1140

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-851	RAD	ARSL	CAAN-11-2159	12/3/2010	R-29	1170
11-851	RAD	ARSL	CAAN-11-2163	12/3/2010	R-30	1140
11-851	RAD	ARSL	CAAN-11-2680	12/3/2010	R-30	1140

[a] DIOX/FUR = Dioxins and furans.

[b] HEXP = High explosives.

[c] GENINORG = General inorganics.

[d] PEST/PCB = Pesticides/polychlorinated biphenyls.

[e] RAD = Radionuclides.

[f] SVOA = Semivolatile organic analysis.

[g] VOA = Volatile organic analysis.