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Periodic Monitoring Report for Ancho Watershed, April 12–April 24, 2010

Los Alamos
NATIONAL LABORATORY
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Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

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

The PME documented in this report occurred from April 12 to April 24, 2010, and included sampling of groundwater wells and well ports. This report also includes results from previous PMEs that were unreported in their respective periodic monitoring reports (PMRs) because of the availability of validated laboratory data.

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, inorganics, perchlorate, stable isotopes, and field parameters (alkalinity, dissolved oxygen, pH, specific conductance, temperature, and turbidity).

Surface-water and groundwater results from previous PME samples reported in this PMR are below screening levels. No surface-water locations were sampled during this PME. One result from groundwater samples collected during this PME from Ancho Canyon exceeded screening levels.

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Acronyms and Abbreviations

amsl	above mean sea level
AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
C	cancer
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
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
N	noncancer
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit

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
SWMU	solid waste management unit
TA	technical area
TNT	2,4,6-trinitrotoluene
UF	unfiltered

1.0 INTRODUCTION

This report provides documentation of semiannual groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Ancho Watershed pursuant to the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2009, 106115), prepared under the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from April 12 to April 24, 2010, and included sampling of groundwater wells and well ports.

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
- results of the screening analysis (comparing the PME results with screening levels and results from previous reports)
- a summary based on the data and the screening analysis

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

1.1 Background

Ancho Canyon is located in the southeastern part of the Laboratory (Figure 2.0-1). Chaquehui and Frijoles Canyons, which are south of Ancho Canyon, are incorporated into Ancho Canyon monitoring events in the IFGMP. Technical Area 39 (TA-39) is located on the floor of middle Ancho Canyon, and it was used for open-air testing of explosives compounds. Solid waste management units (SWMUs) and areas of concern (AOCs) at TA-39 include five firing sites, a number of landfills, and septic systems. More detailed information about the operational history and the SWMUs and AOCs can be found in the “RFI Work 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 recent Laboratory reports (LANL 2010, 109318; LANL 2010, 109319).

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

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

2.0 SCOPE OF ACTIVITIES

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

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

3.0 MONITORING RESULTS

3.1 Methods and Procedures

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

3.2 Field Parameter Results

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

3.3 Groundwater Elevations and Base-Flow Measurements

The periodic monitoring water-level data for this event and the previous four monitoring events are presented in Appendix B. For wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements are reported at the time immediately before sampling. The water-level measurements taken during these PMEs are shown graphically on Plate 1. No base-flow measurements were made during this PME.

3.4 Deviations from Planned Scope

Table 3.4-1 describes the field-work deviations from the planned scope of the PMEs. 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 2009 IFGMP. Purge water is being managed and characterized in accordance with the Waste Characterization Strategy Form 39268 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 that are part of a comprehensive quality assurance program. The quality program and procedures are available at http://www.lanl.gov/environment/all/qa.shtml. Completed chain-of-custody forms serve as an analytical request form and include the requester or owner, sample number, program code, date and time of sample collection, total number of bottles, list of analytes to be measured, bottle sizes, and preservatives for each analysis required.

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

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

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

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

4.2 Analytical Data

Appendix C presents the analytical data from this PME and from the four sampling events immediately before the April 2010 sampling event. The screening levels with which the results are compared are presented in Table 4.2-1. The analytical laboratory reports (including chain-of-custody forms, data validation, etc.) are provided in Appendix F.

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 "not detected" but are still reported. Analytical laboratory QC results, including matrix spike and matrix spike duplicates, are not included in the data set.

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

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

- 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. Surface-water sampling results were compared with all surface-water standards without consideration of the designated use for the particular reach.
- 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.
- 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 having no other regulatory standard and for which toxicological information is published. For these screening levels, the tables indicate a risk type of C (cancer) or N (noncancer). For the cancer-risk type, the risk levels are for 10^{-6} excess cancer risk. The Consent Order specifies screening with these values at a risk level of 10^{-5} (rather than 10^{-6}) excess cancer risk. Therefore, data must exceed the 10^{-6} screening values by a factor of 10 or more to be above a risk level of 10^{-5} excess cancer risk.
- The analytical results for radionuclides are compared with the DOE Biota Concentration Guide (BCG) for surface water and Derived Concentration Guide (DCG) for groundwater.

Tables D-1 through D-4 (Appendix D) 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.

Analytical results are presented in Appendix E in graphs displaying a series of selected analytes. The analytes were selected from data collected during the PMEs because they were above screening levels at least once during the three most recent sampling events. Once an analyte meets this criterion, the concentrations of the analyte are plotted for a 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.

Table 4.2-2 provides surface-water and groundwater analytical results (by hydrogeologic zone for a specific analytical suite) that were above a screening level. Multiple detections of a particular constituent at a location were counted as one result. For example, if aluminum was detected above a screening level in both a primary sample and a field duplicate, the detection was counted as one result. Therefore, only the highest result is shown.

An exceedance map for the current watershed monitoring event was not included because a single analyte did not exceed its standard 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.

Results from previous PME surface-water samples reported in this PMR are below screening levels.

4.2.2 Groundwater

Results from previous PME groundwater samples reported in this PMR are below screening levels.

Lead was found in an unfiltered sample at regional aquifer Test Well DT-9 at 20.1 µg/L; the EPA drinking water system action level is 15 µg/L. This is the third unfiltered lead value above 15 µg/L since the late 1980s; two 1993 total lead results misreported as filtered are above 50 µg/L. Turbidity for the new sample was 2.2 nephelometric turbidity units (NTU); most recent values have been between 0.5 NTU and 3.6 NTU with one at 13.2 NTU.

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. Results from previous PME surface-water samples reported in this PMR are below 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

Results from previous PME groundwater samples reported in this PMR are below screening levels. One result from groundwater samples collected during this PME exceeded screening levels (Table 4.2-2).

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 Program master reference set.

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

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

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

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

LANL (Los Alamos National Laboratory), May 2010. "Investigation Report for Sites at Technical Area 49 Outside the Nuclear Environmental Site Boundary," Los Alamos National Laboratory document LA-UR-10-3095, Los Alamos, New Mexico. (LANL 2010, 109318)

LANL (Los Alamos National Laboratory), May 2010. "Investigation Report for Sites at Technical Area 49 Inside the Nuclear Environmental Site Boundary," Los Alamos National Laboratory document LA-UR-10-3304, Los Alamos, New Mexico. (LANL 2010, 109319)

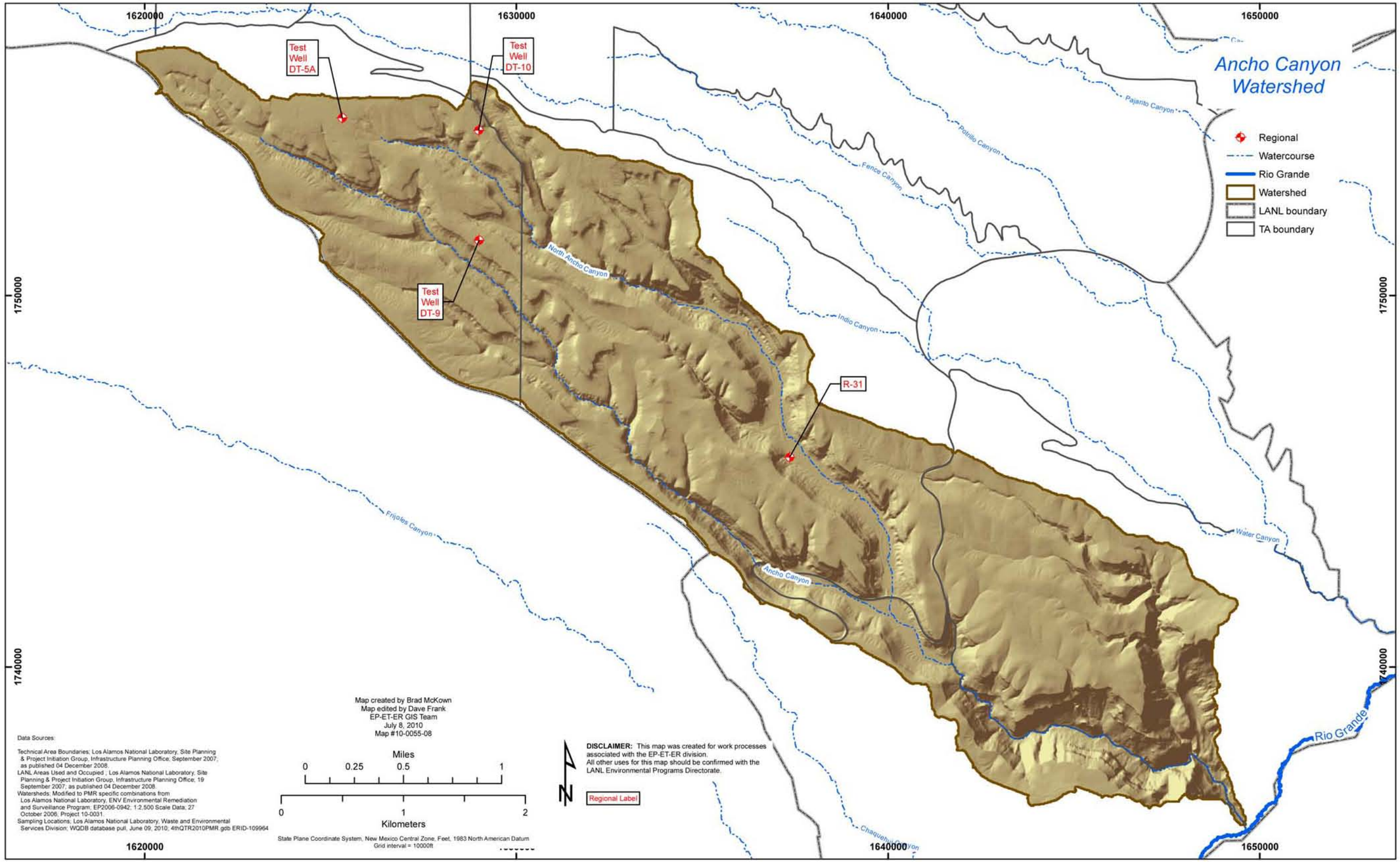


Figure 2.0-1 Locations monitored for this PME

Table 2.0-1
Ancho Watershed Monitoring Locations and General Information

Location	Sample Collection Date	Port Name	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Base Flow Purge Flow (cfs[a])	Water Level (ft)	Water Level Method
R-31	04/20/10	MP2B	542.5	30.7	515	545.7	n/a[b]	n/a	n/a	5827.43 ft amsl[c]	Transducer
R-31	04/20/10	MP3A	670.3	10	666.3	676.3	n/a	n/a	n/a	5825.81 ft amsl	Transducer
R-31	04/22/10	MP4A	830.9	10	826.6	836.6	n/a	n/a	n/a	5829.19 ft amsl	Transducer
R-31	04/22/10	MP5A	1011	10	1007.1	1017.1	n/a	n/a	n/a	5836.26 ft amsl. Port not producing water. Abbreviated suite collected.	Transducer
Test Well DT-10	04/14/10	Single	1080	329.6	1078.4	1408	779	988	0.017	5918.14 ft amsl	Manual
Test Well DT-5A	04/13/10	Single	1172	617	1171.5	1788.5	1645	1645	0.018	5954.79 ft amsl	Manual
Test Well DT-9	04/23/10	Single	1040	681	819	1500	2216	2382	0.007	5914.7 ft amsl	Manual

[a] cfs = Cubic feet per second.

[b] n/a = Not applicable.

[c] amsl = Above mean sea level.

Table 3.4-1
Ancho PME Observations and Deviations

Location	Deviation	Cause	Comment
R-31, Port 5	Limited data are included in this report for this location.	A limited analytical suite was collected at this location on 04/22/10.	Port not producing water. Abbreviated suite collected.

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

Table 3.4-2 (continued)

CAS No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
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
Screening Levels for Groundwater and Surface Water at Los Alamos National Laboratory

Standard Type	Groundwater	Surface Water
DOE BCG	n/a[a]	X[b]
DOE 100 mrem Public Dose DCGs	X	n/a
DOE 4 mrem Drinking Water DCGs	X	n/a
EPA MCL	X	n/a
EPA 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

Location	Date	Analyte	Field Prep	Result	Units	Screening-Level Value	Screening Level
Regional Aquifer							
Test Well DT-9	04/23/10	Lead	UF*	20.1	µg/L	15	EPA MCL

* UF = Unfiltered.

Appendix A

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

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-31	1552	532.2	04/20/10	WG[a]	Dissolved Oxygen	7.41	mg/L	CAAN-10-15269
R-31	1552	532.2	10/26/09	WG	Dissolved Oxygen	3.59	mg/L	CAAN-09-14353
R-31	1552	532.2	04/07/09	WG	Dissolved Oxygen	3.55	mg/L	CAAN-09-5703
R-31	1552	532.2	10/23/08	WG	Dissolved Oxygen	1.7	mg/L	CAAN-08-16128
R-31	1552	532.2	04/17/08	WG	Dissolved Oxygen	3.77	mg/L	CAAN-08-11746
R-31	1552	532.2	04/20/10	WG	pH	7.21	SU[b]	CAAN-10-15269
R-31	1552	532.2	10/26/09	WG	pH	11.05	SU	CAAN-09-14353
R-31	1552	532.2	04/07/09	WG	pH	6.78	SU	CAAN-09-5703
R-31	1552	532.2	10/23/08	WG	pH	6.94	SU	CAAN-08-16128
R-31	1552	532.2	04/17/08	WG	pH	6.98	SU	CAAN-08-11746
R-31	1552	532.2	04/20/10	WG	Specific Conductance	224	µS/cm[c]	CAAN-10-15269
R-31	1552	532.2	10/26/09	WG	Specific Conductance	377	µS/cm	CAAN-09-14353
R-31	1552	532.2	04/07/09	WG	Specific Conductance	340	µS/cm	CAAN-09-5703
R-31	1552	532.2	10/23/08	WG	Specific Conductance	395	µS/cm	CAAN-08-16128
R-31	1552	532.2	04/17/08	WG	Specific Conductance	357	µS/cm	CAAN-08-11746
R-31	1552	532.2	04/20/10	WG	Temperature	19.52	deg C	CAAN-10-15269
R-31	1552	532.2	10/26/09	WG	Temperature	15.28	deg C	CAAN-09-14353
R-31	1552	532.2	04/07/09	WG	Temperature	17.8	deg C	CAAN-09-5703
R-31	1552	532.2	10/23/08	WG	Temperature	18.5	deg C	CAAN-08-16128
R-31	1552	532.2	04/17/08	WG	Temperature	19.2	deg C	CAAN-08-11746
R-31	1552	532.2	04/20/10	WG	Turbidity	2.17	NTU[d]	CAAN-10-15269
R-31	1552	532.2	10/26/09	WG	Turbidity	9.92	NTU	CAAN-09-14353
R-31	1552	532.2	04/07/09	WG	Turbidity	6.37	NTU	CAAN-09-5703
R-31	1552	532.2	10/23/08	WG	Turbidity	2.8	NTU	CAAN-08-16128
R-31	1552	532.2	04/17/08	WG	Turbidity	43.6	NTU	CAAN-08-11746
R-31	1612	670.3	04/20/10	WG	Dissolved Oxygen	4.2	mg/L	CAAN-10-15272
R-31	1612	670.3	10/26/09	WG	Dissolved Oxygen	3.37	mg/L	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	Dissolved Oxygen	3.15	mg/L	CAAN-09-5705

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-31	1612	670.3	10/24/08	WG	Dissolved Oxygen	2.6	mg/L	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	Dissolved Oxygen	3.76	mg/L	CAAN-08-11749
R-31	1612	670.3	04/20/10	WG	pH	7.36	SU	CAAN-10-15272
R-31	1612	670.3	10/26/09	WG	pH	9.92	SU	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	pH	7.32	SU	CAAN-09-5705
R-31	1612	670.3	10/24/08	WG	pH	7.2	SU	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	pH	8.11	SU	CAAN-08-11749
R-31	1612	670.3	04/20/10	WG	Specific Conductance	159	µS/cm	CAAN-10-15272
R-31	1612	670.3	10/26/09	WG	Specific Conductance	160	µS/cm	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	Specific Conductance	165	µS/cm	CAAN-09-5705
R-31	1612	670.3	10/24/08	WG	Specific Conductance	159.2	µS/cm	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	Specific Conductance	122.2	µS/cm	CAAN-08-11749
R-31	1612	670.3	04/20/10	WG	Temperature	19.97	deg C	CAAN-10-15272
R-31	1612	670.3	10/26/09	WG	Temperature	14.45	deg C	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	Temperature	17.71	deg C	CAAN-09-5705
R-31	1612	670.3	10/24/08	WG	Temperature	18.6	deg C	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	Temperature	23.5	deg C	CAAN-08-11749
R-31	1612	670.3	04/20/10	WG	Turbidity	1.42	NTU	CAAN-10-15272
R-31	1612	670.3	10/26/09	WG	Turbidity	1.56	NTU	CAAN-09-14356
R-31	1612	670.3	04/08/09	WG	Turbidity	0.61	NTU	CAAN-09-5705
R-31	1612	670.3	10/24/08	WG	Turbidity	1.19	NTU	CAAN-08-16133
R-31	1612	670.3	04/16/08	WG	Turbidity	2	NTU	CAAN-08-11749
R-31	1662	830.9	04/22/10	WG	Dissolved Oxygen	8.49	mg/L	CAAN-10-15245
R-31	1662	830.9	10/22/09	WG	Dissolved Oxygen	8.69	mg/L	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	Dissolved Oxygen	6.4	mg/L	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	Dissolved Oxygen	4.19	mg/L	CAAN-08-11742
R-31	1662	830.9	11/02/07	WG	Dissolved Oxygen	8.61	mg/L	FU07100G31R401
R-31	1662	830.9	04/22/10	WG	pH	7.78	SU	CAAN-10-15245

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-31	1662	830.9	10/22/09	WG	pH	8.18	SU	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	pH	8.38	SU	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	pH	8.33	SU	CAAN-08-11742
R-31	1662	830.9	04/22/10	WG	Specific Conductance	99	µS/cm	CAAN-10-15245
R-31	1662	830.9	10/22/09	WG	Specific Conductance	121	µS/cm	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	Specific Conductance	122.8	µS/cm	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	Specific Conductance	113.5	µS/cm	CAAN-08-11742
R-31	1662	830.9	04/22/10	WG	Temperature	20.83	deg C	CAAN-10-15245
R-31	1662	830.9	10/22/09	WG	Temperature	17.14	deg C	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	Temperature	21.4	deg C	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	Temperature	24.4	deg C	CAAN-08-11742
R-31	1662	830.9	11/02/07	WG	Temperature	18.9	deg C	FU07100G31R401
R-31	1662	830.9	04/22/10	WG	Turbidity	1.48	NTU	CAAN-10-15245
R-31	1662	830.9	10/22/09	WG	Turbidity	0.83	NTU	CAAN-09-14345
R-31	1662	830.9	10/21/08	WG	Turbidity	2.44	NTU	CAAN-08-16122
R-31	1662	830.9	04/15/08	WG	Turbidity	0.76	NTU	CAAN-08-11742
R-31	1662	830.9	11/02/07	WG	Turbidity	1.76	NTU	FU07100G31R401
R-31	1712	1011.3	04/22/10	WG	Dissolved Oxygen	3.96	mg/L	CAAN-10-15247
R-31	1712	1011.3	10/22/09	WG	Dissolved Oxygen	10.96	mg/L	CAAN-09-14349
R-31	1712	1011.3	08/24/05	WG	Dissolved Oxygen	6.63	mg/L	FU0508G31R501
R-31	1712	1011.3	04/22/10	WG	pH	8.15	SU	CAAN-10-15247
R-31	1712	1011.3	10/22/09	WG	pH	8.41	SU	CAAN-09-14349
R-31	1712	1011.3	05/23/07	WG	pH	8.28	SU	FU07050G31R501
R-31	1712	1011.3	04/22/10	WG	Specific Conductance	96	µS/cm	CAAN-10-15247
R-31	1712	1011.3	10/22/09	WG	Specific Conductance	156	µS/cm	CAAN-09-14349
R-31	1712	1011.3	05/23/07	WG	Specific Conductance	109.5	µS/cm	FU07050G31R501
R-31	1712	1011.3	04/22/10	WG	Temperature	21.94	deg C	CAAN-10-15247
R-31	1712	1011.3	10/22/09	WG	Temperature	18.14	deg C	CAAN-09-14349

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-31	1712	1011.3	05/23/07	WG	Temperature	21.7	deg C	FU07050G31R501
R-31	1712	1011.3	12/06/06	WG	Temperature	18	deg C	FU06110G31R501
R-31	1712	1011.3	08/24/05	WG	Temperature	22.5	deg C	FU0508G31R501
R-31	1712	1011.3	04/22/10	WG	Turbidity	1.55	NTU	CAAN-10-15247
R-31	1712	1011.3	10/22/09	WG	Turbidity	0.85	NTU	CAAN-09-14349
R-31	1712	1011.3	05/23/07	WG	Turbidity	0.6	NTU	FU07050G31R501
R-31	1712	1011.3	12/06/06	WG	Turbidity	0.22	NTU	FU06110G31R501
R-31	1712	1011.3	08/24/05	WG	Turbidity	0.3	NTU	FU0508G31R501
Test Well DT-10	1811	1078.4	04/14/10	WG	Dissolved Oxygen	4.91	mg/L	CAAN-10-15262
Test Well DT-10	1811	1078.4	10/22/09	WG	Dissolved Oxygen	5.32	mg/L	CAAN-09-14341
Test Well DT-10	1811	1078.4	04/16/08	WG	Dissolved Oxygen	4.83	mg/L	CAAN-08-11737
Test Well DT-10	1811	1078.4	10/30/07	WG	Dissolved Oxygen	4.8	mg/L	FU071000G01T01
Test Well DT-10	1811	1078.4	05/16/07	WG	Dissolved Oxygen	4.44	mg/L	FU070500G01T01
Test Well DT-10	1811	1078.4	04/14/10	WG	Oxidation Reduction Potential	87.4	mV[e]	CAAN-10-15262
Test Well DT-10	1811	1078.4	10/22/09	WG	Oxidation Reduction Potential	-56.4	mV	CAAN-09-14341
Test Well DT-10	1811	1078.4	04/16/08	WG	Oxidation Reduction Potential	243	mV	CAAN-08-11737
Test Well DT-10	1811	1078.4	10/30/07	WG	Oxidation Reduction Potential	280	mV	FU071000G01T01
Test Well DT-10	1811	1078.4	05/16/07	WG	Oxidation Reduction Potential	12.5	mV	FU070500G01T01
Test Well DT-10	1811	1078.4	04/14/10	WG	pH	8.17	SU	CAAN-10-15262
Test Well DT-10	1811	1078.4	10/22/09	WG	pH	8.05	SU	CAAN-09-14341
Test Well DT-10	1811	1078.4	04/16/08	WG	pH	8.15	SU	CAAN-08-11737
Test Well DT-10	1811	1078.4	10/30/07	WG	pH	8.27	SU	FU071000G01T01
Test Well DT-10	1811	1078.4	04/14/10	WG	Specific Conductance	137	µS/cm	CAAN-10-15262
Test Well DT-10	1811	1078.4	10/22/09	WG	Specific Conductance	130	µS/cm	CAAN-09-14341
Test Well DT-10	1811	1078.4	04/16/08	WG	Specific Conductance	143	µS/cm	CAAN-08-11737
Test Well DT-10	1811	1078.4	10/30/07	WG	Specific Conductance	126.7	µS/cm	FU071000G01T01
Test Well DT-10	1811	1078.4	04/14/10	WG	Temperature	20.4	deg C	CAAN-10-15262
Test Well DT-10	1811	1078.4	10/22/09	WG	Temperature	17.61	deg C	CAAN-09-14341

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Test Well DT-10	1811	1078.4	04/16/08	WG	Temperature	22.1	deg C	CAAN-08-11737
Test Well DT-10	1811	1078.4	10/30/07	WG	Temperature	20.2	deg C	FU071000G01T01
Test Well DT-10	1811	1078.4	05/16/07	WG	Temperature	19.2	deg C	FU070500G01T01
Test Well DT-10	1811	1078.4	04/14/10	WG	Turbidity	2.62	NTU	CAAN-10-15262
Test Well DT-10	1811	1078.4	10/22/09	WG	Turbidity	3.07	NTU	CAAN-09-14341
Test Well DT-10	1811	1078.4	04/16/08	WG	Turbidity	1.11	NTU	CAAN-08-11737
Test Well DT-10	1811	1078.4	10/30/07	WG	Turbidity	1.66	NTU	FU071000G01T01
Test Well DT-10	1811	1078.4	05/16/07	WG	Turbidity	1.45	NTU	FU070500G01T01
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	11/10/07	WG	Dissolved Oxygen	5.32	mg/L	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	Dissolved Oxygen	5.2	mg/L	FU070500GA5T01
Test Well DT-5A	1821	1172	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	11/10/07	WG	Oxidation Reduction Potential	392	mV	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	Oxidation Reduction Potential	159	mV	FU070500GA5T01
Test Well DT-5A	1821	1172	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	04/18/08	WG	pH	7.81	SU	CAAN-08-11743
Test Well DT-5A	1821	1172	11/10/07	WG	pH	7.92	SU	FU071000GA5T01
Test Well DT-5A	1821	1172	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	04/18/08	WG	Specific Conductance	117	µS/cm	CAAN-08-11743
Test Well DT-5A	1821	1172	11/10/07	WG	Specific Conductance	103.8	µS/cm	FU071000GA5T01
Test Well DT-5A	1821	1172	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

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Test Well DT-5A	1821	1172	04/18/08	WG	Temperature	21.1	deg C	CAAN-08-11743
Test Well DT-5A	1821	1172	11/10/07	WG	Temperature	21.6	deg C	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	Temperature	20.9	deg C	FU070500GA5T01
Test Well DT-5A	1821	1172	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-5A	1821	1172	11/10/07	WG	Turbidity	0.89	NTU	FU071000GA5T01
Test Well DT-5A	1821	1172	05/17/07	WG	Turbidity	0.54	NTU	FU070500GA5T01
Test Well DT-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	04/07/08	WG	Dissolved Oxygen	5.24	mg/L	CAAN-08-11731
Test Well DT-9	1831	819	11/02/07	WG	Dissolved Oxygen	7.17	mg/L	FU071000G9WT01
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	04/07/08	WG	Oxidation Reduction Potential	266	mV	CAAN-08-11731
Test Well DT-9	1831	819	11/02/07	WG	Oxidation Reduction Potential	332	mV	FU071000G9WT01
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	04/07/08	WG	pH	7.94	SU	CAAN-08-11731
Test Well DT-9	1831	819	11/02/07	WG	pH	8.03	SU	FU071000G9WT01
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	04/07/08	WG	Specific Conductance	116.5	µS/cm	CAAN-08-11731
Test Well DT-9	1831	819	11/02/07	WG	Specific Conductance	114.8	µS/cm	FU071000G9WT01

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Test Well DT-9	1831	819	04/23/10	WG	Temperature	16.94	deg C	CAAN-10-15261
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	04/07/08	WG	Temperature	21.4	deg C	CAAN-08-11731
Test Well DT-9	1831	819	11/02/07	WG	Temperature	21.7	deg C	FU071000G9WT01
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
Test Well DT-9	1831	819	04/07/08	WG	Turbidity	0.99	NTU	CAAN-08-11731
Test Well DT-9	1831	819	11/02/07	WG	Turbidity	1.43	NTU	FU071000G9WT01

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] µS/cm = Microsiemens per centimeter.

[d] NTU = Nephelometric turbidity unit.

[e] mV = Millivolt.

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

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

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

Table C-1 Ancho 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	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-31	1552	532.2	10/26/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.44702	2.87E-01	2.87E-01	—	pCi/L	—	U	10-270	CAAN-09-14353	UMTL
R-31	1552	532.2	4/7/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1467	CAAN-09-5703	UMTL
R-31	1552	532.2	10/23/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.79825	2.87E-01	2.87E-01	—	pCi/L	—	U	09-181	CAAN-08-16128	UMTL
R-31	1552	532.2	4/17/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	08-1036	CAAN-08-11746	UMTL
R-31	1552	532.2	5/17/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.57474	2.87E-01	2.87E-01	—	pCi/L	—	U	2345	UU07050G31R201	UMTL
R-31	1612	670.3	10/26/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	10-270	CAAN-09-14356	UMTL
R-31	1612	670.3	4/8/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1467	CAAN-09-5705	UMTL
R-31	1612	670.3	10/24/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-181	CAAN-08-16133	UMTL
R-31	1612	670.3	4/16/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1034	CAAN-08-11749	UMTL
R-31	1612	670.3	11/6/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	—	U	2421	UU07100G31R301	UMTL
R-31	1612	670.3	5/21/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	—	U	2347	UU07050G31R301	UMTL
R-31	1662	830.9	10/22/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.478	4.20E-01	1.50E+00	—	pCi/L	U	U	10-237	CAAN-09-14345	GELC
R-31	1662	830.9	11/2/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.304	2.74E-01	9.29E-01	—	pCi/L	U	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	12/6/2006	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.469	3.81E-01	1.31E+00	—	pCi/L	U	U	177384	GU06110G31R420	GELC
R-31	1662	830.9	12/6/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.404	3.10E-01	1.02E+00	—	pCi/L	U	U	177384	GU06110G31R401	GELC
R-31	1662	830.9	8/23/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.169	4.34E-01	2.30E+00	—	pCi/L	U	U	144034	GU0508G31R401	GELC
R-31	1662	830.9	9/27/2001	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.05	1.10E-01	4.70E-01	—	pCi/L	U	U	10S	GW31-01-0005	STSL
R-31	1662	830.9	10/22/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.22351	2.87E-01	2.87E-01	—	pCi/L	U	U	10-270	CAAN-09-14345	UMTL
R-31	1662	830.9	10/21/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.19158	2.87E-01	2.87E-01	—	pCi/L	U	U	09-148	CAAN-08-16122	UMTL
R-31	1662	830.9	4/15/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1003	CAAN-08-11742	UMTL
R-31	1662	830.9	11/2/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	—	U	2421	UU07100G31R401	UMTL
R-31	1662	830.9	5/22/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	—	U	2347	UU07050G31R401	UMTL
R-31	1712	1011.3	10/22/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.112	6.90E-01	2.60E+00	—	pCi/L	U	U	10-237	CAAN-09-14349	GELC
R-31	1712	1011.3	12/6/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.705	2.45E-01	1.53E+00	—	pCi/L	U	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	8/24/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.01	8.11E-01	2.48E+00	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	9/28/2001	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.00583	1.00E-01	4.80E-01	—	pCi/L	U	U	22S	GW31-01-0007	STSL
R-31	1712	1011.3	10/22/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-270	CAAN-09-14349	UMTL
R-31	1712	1011.3	10/22/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.19158	2.87E-01	2.87E-01	—	pCi/L	U	U	09-181	CAAN-08-16126	UMTL
R-31	1712	1011.3	12/6/2006	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	—	U	2298	UU06110G31R501	UMTL
R-31	1712	1011.3	8/24/2005	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	122	6.53E+01	2.13E+02	—	pCi/L	U	U	144084	GU0508G31R501	GELC
R-31	1712	1011.3	9/28/2001	WG	UF	CS	—	Rad	LLEE	Tritium	—	6.27	2.80E-01	0.00E+00	—	pCi/L	—	—	39S	GW31-01-0007	UMTL
Rio de los Frijoles at Bandelier	—	—	10/21/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.15	9.50E-01	2.60E+00	—	pCi/L	U	U	10-224	CAAN-09-14357	GELC
Rio de los Frijoles at Bandelier	—	—	10/31/2007	WP	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.77	9.62E-01	2.23E+00	—	pCi/L	—	J	196890	GU071000P35001	GELC
Rio de los Frijoles at Bandelier	—	—	9/20/2006	WP	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.25	9.05E-01	2.32E+00	—	pCi/L	U	U	172455	GU060900P35001	GELC
Rio de los Frijoles at Bandelier	—	—	6/29/2005	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.447	2.72E-01	1.00E+00	—	pCi/L	U	U	139766	GU05060P35001	GELC
Rio de los Frijoles at Bandelier	—	—	6/14/2004	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.83	4.70E-01	1.16E+00	—	pCi/L	—	J	115040	GU04060W35001	GELC
Rio de los Frijoles at Bandelier	—	—	10/21/2009	WS	UF	CS	—	Rad	LLEE	Tritium	—	5.7474	2.87E-01	2.87E-01	—	pCi/L	—	—	10-270	CAAN-09-14357	UMTL
Rio de los Frijoles at Bandelier	—	—	10/23/2008	WS	UF	CS	—	Rad	LLEE	Tritium	—	7.0246	2.87E-01	2.87E-01	—	pCi/L	—	—	09-181	CAAN-08-16450	UMTL
Rio de los Frijoles at Bandelier	—	—	4/8/2008	WS	UF	CS	—	Rad	LLEE	Tritium	—	18.74291	6.07E-01	2.87E-01	—	pCi/L	—	—	08-957	CAAN-08-11752	UMTL
Rio de los Frijoles at Bandelier	—	—	10/31/2007	WP	UF	CS	—	Rad	LLEE	Tritium	—	6.67337	2.87E-01	2.87E-01	—	pCi/L	—	—	2421	UU071000P35001	UMTL
Rio de los Frijoles at Bandelier	—	—	9/20/2006	WP	UF	CS	—	Rad	LLEE	Tritium	—	11.84603	3.83E-01	2.87E-01	—	pCi/L	—	—	2273	UU060900P35001	UMTL
Test Well DT-10	1811	1078.4	10/22/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.966	6.20E-01	2.00E+00	—	pCi/L	U	U	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/30/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.967	5.25E-01	2.59E+00	—	pCi/L	U	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	12/4/2006	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	-0.248	5.09E-01	2.29E+00	—	pCi/L	U	U	177228	GU061100G01T20	GELC
Test Well DT-10	1811	1078.4	12/4/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.393	5.29E-01	2.35E+00	—	pCi/L	U	U	177228	GU061100G01T01	GELC
Test Well DT-10	1811	1078.4	7/19/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.9	4.07E-01	1.07E+00	—	pCi/L	—	J, J-	141235	GU05070G01T01	GELC
Test Well DT-10	1811	1078.4	6/22/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.18	4.33E-01	1.09E+00	—	pCi/L	—	JN+	115578	GU04060G01T01	GELC
Test Well DT-10	1811	1078.4	10/22/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	10-270	CAAN-09-14341	UMTL
Test Well DT-10	1811	1078.4	10/16/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-148	CAAN-08-16119	UMTL
Test Well DT-10	1811	1078.4	4/16/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1033	CAAN-08-11739	UMTL
Test Well DT-10	1811	1078.4	10/30/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	—	U	2421	UU071000G01T01	UMTL
Test Well DT-10	1811	1078.4	5/16/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	—	U	2345	UU070500G01T01	UMTL
Test Well DT-10	1811	1078.4	12/4/2006	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.22351	2.87E-01	2.87E-01	—	pCi/L	—	U	2293	UU061100G01T20	UMTL

Table C-1 Ancho 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	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well DT-5A	1821	1172	10/28/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.333	4.30E-01	1.70E+00	—	pCi/L	U	U	10-292	CAAN-09-13675	GELC
Test Well DT-5A	1821	1172	11/10/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.665	4.97E-01	1.70E+00	—	pCi/L	U	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	12/6/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.171	3.51E-01	1.37E+00	—	pCi/L	U	U	177384	GU061100GA5T01	GELC
Test Well DT-5A	1821	1172	8/24/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.956	7.06E-01	2.84E+00	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-5A	1821	1172	7/13/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.142	3.89E-01	1.26E+00	—	pCi/L	U	U	116936	GU04060GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	10-338	CAAN-09-13675	UMTL
Test Well DT-5A	1821	1172	10/17/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35123	2.87E-01	2.87E-01	—	pCi/L	—	U	09-148	CAAN-08-16108	UMTL
Test Well DT-5A	1821	1172	4/18/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1035	CAAN-08-11743	UMTL
Test Well DT-5A	1821	1172	5/17/2007	WG	UF	CS	FB	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	—	U	2345	UU070500GA5T01-FB	UMTL
Test Well DT-5A	1821	1172	5/17/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	—	U	2345	UU070500GA5T01	UMTL
Test Well DT-5A	1821	1172	12/6/2006	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	—	U	2298	UU061100GA5T01	UMTL
Test Well DT-5A	1821	1172	8/24/2005	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	80.5	6.36E+01	2.11E+02	—	pCi/L	U	U	144119	GU05070GA5T01	GELC
Test Well DT-9	1831	819	10/28/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.721	5.00E-01	2.50E+00	—	pCi/L	U	U	10-292	CAAN-09-14338	GELC
Test Well DT-9	1831	819	11/2/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	-0.019	4.03E-01	1.64E+00	—	pCi/L	U	U	197048	GU071000G9WT20	GELC
Test Well DT-9	1831	819	11/2/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-1.83	4.97E-01	2.51E+00	—	pCi/L	U	U	197048	GU071000G9WT01	GELC
Test Well DT-9	1831	819	12/5/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.424	3.47E-01	1.14E+00	—	pCi/L	U	U	177266	GU061100G9WT01	GELC
Test Well DT-9	1831	819	7/20/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.15	4.10E-01	1.32E+00	—	pCi/L	U	U, J-	141371	GU05070G9WT01	GELC
Test Well DT-9	1831	819	7/7/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.314	3.82E-01	1.42E+00	—	pCi/L	U	—	116548	GU04060G9WT01	GELC
Test Well DT-9	1831	819	10/28/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.51088	2.87E-01	2.87E-01	—	pCi/L	—	U	10-338	CAAN-09-14338	UMTL
Test Well DT-9	1831	819	10/15/2008	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-5.980489	1.26E+00	3.30E+00	—	pCi/L	U	U	09-97	CAAN-08-16113	ARSL
Test Well DT-9	1831	819	10/15/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	72.835523	1.11E+01	3.39E+00	—	pCi/L	—	U	09-97	CAAN-08-16112	ARSL
Test Well DT-9	1831	819	4/7/2008	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.35123	2.87E-01	2.87E-01	—	pCi/L	—	U	08-952	CAAN-08-11734	UMTL
Test Well DT-9	1831	819	4/7/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.41509	2.87E-01	2.87E-01	—	pCi/L	—	U	08-952	CAAN-08-11731	UMTL
Test Well DT-9	1831	819	11/2/2007	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.51088	2.87E-01	2.87E-01	—	pCi/L	—	U	2421	UU071000G9WT20	UMTL
Test Well DT-9	1831	819	11/2/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	—	U	2421	UU071000G9WT01	UMTL
Test Well DT-9	1831	819	5/9/2007	WG	UF	CS	FB	Rad	LLEE	Tritium	<	0.44702	2.87E-01	2.87E-01	—	pCi/L	—	U	2340	UU070500G9WT01-FB	UMTL
Test Well DT-9	1831	819	5/9/2007	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	—	U	2340	UU070500G9WT20	UMTL
Test Well DT-9	1831	819	5/9/2007	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	—	U	2340	UU070500G9WT01	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-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.6	—	—	0.73	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.2	—	—	0.73	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.9	—	—	0.73	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	0.73	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.98	—	—	0.05	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	0.05	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.79	—	—	0.03	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.56	—	—	0.03	mg/L	EN	J+	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	0.03	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.53	—	—	0.05	mg/L	—	—	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	0.05	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.99	—	—	0.03	mg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.66	—	—	0.03	mg/L	EN	J+	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	0.03	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.51	—	—	0.066	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.55	—	—	0.066	mg/L	—	J	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.72	—	—	0.066	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	0.066	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.171	—	—	0.033	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.404	—	—	0.033	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.31	—	—	0.033	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.233	—	—	0.033	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.2	—	—	0.35	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35	—	—	0.35	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	33.5	—	—	0.35	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	29.8	—	—	0.43	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.3	—	—	0.425	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.5	—	—	0.35	mg/L	—	—	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.3	—	—	0.35	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.8	—	—	0.35	mg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.6	—	—	0.43	mg/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.3	—	—	0.425	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.5	—	—	0.085	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.35	—	—	0.085	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.19	—	—	0.085	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.06	—	—	0.085	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.33	—	—	0.085	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.35	—	—	0.085	mg/L	—	—	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.48	—	—	0.085	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.15	—	—	0.085	mg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.3	—	—	0.085	mg/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.34	—	—	0.085	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.236	—	—	0.05	ug/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.219	—	—	0.05	ug/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.242	—	—	0.05	ug/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.238	—	—	0.05	ug/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.4	—	—	0.05	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.28	—	—	0.05	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.69	—	—	0.05	mg/L	—	J	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.88	—	—	0.05	mg/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.54	—	—	0.05	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.18	—	—	0.05	mg/L	—	—	10-2878	CAAN-10-15245	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-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.38	—	—	0.05	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.68	—	—	0.05	mg/L	—	J	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.36	—	—	0.05	mg/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.64	—	—	0.05	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	0.1	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	0.1	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.61	—	—	0.045	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.07	—	—	0.045	mg/L	EN	J+	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	0.045	mg/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	0.1	mg/L	—	—	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	0.1	mg/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.68	—	—	0.045	mg/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	0.045	mg/L	EN	J+	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	0.045	mg/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	120	—	—	1	uS/cm	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	118	—	—	1	uS/cm	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	121	—	—	1	uS/cm	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	118	—	—	1	uS/cm	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.76	—	—	0.1	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.49	—	—	0.1	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.66	—	—	0.1	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.58	—	—	0.1	mg/L	—	J-	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.4	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	2.4	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	2.4	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.4	mg/L	—	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.22	—	—	0.01	SU	H	J-	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	0.01	SU	H	J-	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	0.01	SU	H	J-	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	0.01	SU	H	J-	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.74	—	—	1.5	ug/L	B	J	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	3.75	—	—	1.5	ug/L	J	U	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.9	—	—	1.5	ug/L	J	J	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.5	ug/L	U	U	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	1.5	—	—	1.5	ug/L	U	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.93	—	—	1.5	ug/L	B	J	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	1.99	—	—	1.5	ug/L	J	U	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.7	—	—	1.5	ug/L	J	J	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.5	ug/L	U	U	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	1.5	—	—	1.5	ug/L	U	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1	ug/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.5	—	—	1	ug/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.7	—	—	1	ug/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.3	—	—	1	ug/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.1	—	—	1	ug/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.8	—	—	1	ug/L	—	—	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.4	—	—	1	ug/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.6	—	—	1	ug/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1	ug/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.8	—	—	1	ug/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.1	—	—	15	ug/L	B	J	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	15	ug/L	J	J	10-238	CAAN-09-14344	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-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	10	ug/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	10	ug/L	J	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	22.2	—	—	10	ug/L	J	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	15	ug/L	B	J	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17	—	—	15	ug/L	J	J	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	10	ug/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	13.1	—	—	10	ug/L	J	J	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	19.1	—	—	10	ug/L	J	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.88	—	—	2.5	ug/L	B	J	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.85	—	—	2.5	ug/L	J	J	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.6	—	—	1.5	ug/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.9	—	—	2.5	ug/L	J	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.2	—	—	1	ug/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.29	—	—	2.5	ug/L	B	J	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.77	—	—	2.5	ug/L	J	J	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.1	—	—	1.5	ug/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.8	—	—	2.5	ug/L	J	J	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.7	—	—	1	ug/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	0.1	ug/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.41	—	—	0.1	ug/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	0.1	ug/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	0.1	ug/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	3.5	—	—	2	ug/L	J	U	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.961	—	—	0.1	ug/L	—	—	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	0.1	ug/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	0.1	ug/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	0.1	ug/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	3.2	—	—	2	ug/L	J	U	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.509	—	—	0.5	ug/L	B	J	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	ug/L	U	U	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	ug/L	U	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	ug/L	U	U	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1	—	—	0.5	ug/L	J	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	ug/L	U	U	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	0.5	ug/L	U	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.79	—	—	0.5	ug/L	J	J	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.6	—	—	0.5	ug/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82	—	—	0.053	mg/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.5	—	—	0.053	mg/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.4	—	—	0.032	mg/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.8	—	—	0.032	mg/L	E	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.9	—	—	1	ug/L	—	—	10-2878	CAAN-10-15246	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.6	—	—	1	ug/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.8	—	—	1	ug/L	—	—	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	43.3	—	—	1	ug/L	—	—	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	1	ug/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1	ug/L	—	—	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.8	—	—	1	ug/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47	—	—	1	ug/L	—	—	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1	ug/L	—	—	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1	ug/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.02	—	—	1	ug/L	—	—	10-2878	CAAN-10-15246	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-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.09	—	—	1	ug/L	—	—	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.7	—	—	1	ug/L	—	J	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.7	—	—	1	ug/L	—	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6	—	—	1	ug/L	—	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.79	—	—	1	ug/L	—	—	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.25	—	—	1	ug/L	—	—	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.1	—	—	1	ug/L	—	J	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.5	—	—	1	ug/L	—	J	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1	ug/L	—	—	197215	GU07100G31R401	GELC
R-31	1662	830.9	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.64	—	—	3.3	ug/L	J	J	10-238	CAAN-09-14344	GELC
R-31	1662	830.9	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	3.2	—	—	2	ug/L	J	U	09-147	CAAN-08-16120	GELC
R-31	1662	830.9	04/15/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.1	—	—	2	ug/L	J	J	08-1002	CAAN-08-11740	GELC
R-31	1662	830.9	11/02/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.3	—	—	2	ug/L	J	—	197215	GF07100G31R401	GELC
R-31	1662	830.9	04/22/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.21	—	—	3.3	ug/L	B	J	10-2878	CAAN-10-15245	GELC
R-31	1662	830.9	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.8	—	—	3.3	ug/L	J	J	10-238	CAAN-09-14345	GELC
R-31	1662	830.9	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9	—	—	2	ug/L	J	U	09-147	CAAN-08-16122	GELC
R-31	1662	830.9	04/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.6	—	—	2	ug/L	J	J	08-1002	CAAN-08-11742	GELC
R-31	1662	830.9	11/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.8	—	—	2	ug/L	J	—	197215	GU07100G31R401	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1	—	—	0.73	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.995	—	—	0.73	mg/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.11	—	—	0.73	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.782	—	—	0.725	mg/L	J	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.885	—	—	0.725	mg/L	J	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.1	—	—	0.73	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.885	—	—	0.725	mg/L	J	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.1	—	—	0.73	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47.7	—	—	0.73	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.9	—	—	0.73	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.4	—	—	0.725	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.9	—	—	0.725	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.09	—	—	0.05	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.64	—	—	0.05	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.47	—	—	0.03	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.95	—	—	0.036	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.38	—	—	0.036	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.2	—	—	0.05	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.4	—	—	0.03	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.71	—	—	0.036	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.67	—	—	0.036	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.34	—	—	0.066	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.27	—	—	0.066	mg/L	—	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.49	—	—	0.066	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.52	—	—	0.066	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	1.5	—	—	0.066	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.132	—	—	0.033	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.369	—	—	0.033	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.269	—	—	0.033	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.182	—	—	0.033	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.178	—	—	0.033	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	29.8	—	—	0.35	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	31.3	—	—	0.35	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	30.8	—	—	0.35	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	33	—	—	0.085	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	33.4	—	—	0.085	mg/L	—	—	144084	GF0508G31R501	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-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	33.6	—	—	0.35	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	30.8	—	—	0.35	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.2	—	—	0.085	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	34.7	—	—	0.085	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.32	—	—	0.085	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.36	—	—	0.085	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.34	—	—	0.085	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.6	—	—	0.085	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.43	—	—	0.085	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.59	—	—	0.085	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.38	—	—	0.085	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.54	—	—	0.085	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.57	—	—	0.085	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.227	—	—	0.05	ug/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.197	—	—	0.05	ug/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.257	—	—	0.05	ug/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.219	—	—	0.05	ug/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4	ug/L	U	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.61	—	—	0.05	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.66	—	—	0.05	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.99	—	—	0.05	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.05	—	—	0.05	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.8	—	—	0.05	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.87	—	—	0.05	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.83	—	—	0.05	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.96	—	—	0.05	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.92	—	—	0.05	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	88.5	—	—	0.032	mg/L	—	J	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	86.1	—	—	0.032	mg/L	—	J	177502	GU06110G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	0.1	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	0.1	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	0.045	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	0.045	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	0.045	mg/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	0.1	mg/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	0.045	mg/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	0.045	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	0.045	mg/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	116	—	—	1	uS/cm	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	105	—	—	1	uS/cm	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	116	—	—	1	uS/cm	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.41	—	—	0.1	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.21	—	—	0.1	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.32	—	—	0.1	mg/L	—	J	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.28	—	—	0.1	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.26	—	—	0.1	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.4	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	115	—	—	2.4	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.4	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	118	—	—	2.38	mg/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148	—	—	2.38	mg/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.42	—	—	0.01	SU	H	J-	10-2878	CAAN-10-15248	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-31	1712	1011.3	10/22/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.42	—	—	0.01	SU	H	J-	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.43	—	—	0.01	SU	H	J-	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.77	—	—	1.5	ug/L	B	J	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	2.97	—	—	1.5	ug/L	J	U	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.5	ug/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	1.5	—	—	1.5	ug/L	U	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6	ug/L	U	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	2.12	—	—	1.5	ug/L	J	U	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.5	ug/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	1.5	—	—	1.5	ug/L	U	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6	ug/L	U	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1	ug/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.5	—	—	1	ug/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28	—	—	1	ug/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.3	—	—	1	ug/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.2	—	—	1	ug/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1	ug/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1	ug/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1	ug/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.3	—	—	1	ug/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	15	ug/L	B	J	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	15	ug/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	10	ug/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	14.1	—	—	10	ug/L	J	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	36.7	—	—	10	ug/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	15	ug/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	10	ug/L	U	U	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.8	—	—	10	ug/L	J	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.4	—	—	10	ug/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.91	—	—	2.5	ug/L	B	J	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.09	—	—	2.5	ug/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.6	—	—	1.5	ug/L	J	J	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.9	—	—	1	ug/L	J	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	1.7	—	—	1	ug/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.99	—	—	2.5	ug/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.4	—	—	1.5	ug/L	J	J	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.8	—	—	1	ug/L	J	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	1.9	—	—	1	ug/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.27	—	—	2	ug/L	B	J	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2	ug/L	U	U	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2	ug/L	U	U	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2	ug/L	U	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.7	—	—	2	ug/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.72	—	—	2	ug/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.7	—	—	2	ug/L	J	J	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2	ug/L	U	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.4	—	—	2	ug/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.697	—	—	0.1	ug/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.969	—	—	0.1	ug/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	0.1	ug/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	4	—	—	2	ug/L	J	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2	ug/L	U	—	144084	GF0508G31R501	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-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.987	—	—	0.1	ug/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	0.1	ug/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2	ug/L	U	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2	ug/L	U	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.775	—	—	0.5	ug/L	B	J	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.663	—	—	0.5	ug/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.62	—	—	0.5	ug/L	J	J	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.68	—	—	0.5	ug/L	J	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.72	—	—	0.5	ug/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.616	—	—	0.5	ug/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.73	—	—	0.5	ug/L	J	J	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.51	—	—	0.5	ug/L	J	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.72	—	—	0.5	ug/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.7	—	—	0.053	mg/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.5	—	—	0.053	mg/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.8	—	—	0.032	mg/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	42.5	—	—	1	ug/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	43.7	—	—	1	ug/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	43.3	—	—	1	ug/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.7	—	—	1	ug/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.2	—	—	1	ug/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.2	—	—	1	ug/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	43.9	—	—	1	ug/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1	ug/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.4	—	—	1	ug/L	—	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.11	—	—	1	ug/L	—	—	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1	ug/L	—	—	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7	—	—	1	ug/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7	—	—	1	ug/L	—	—	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.7	—	—	1	ug/L	J	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.22	—	—	1	ug/L	—	—	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1	ug/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1	ug/L	—	—	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.9	—	—	1	ug/L	J	—	144084	GU0508G31R501	GELC
R-31	1712	1011.3	04/22/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.43	—	—	3.3	ug/L	B	J	10-2878	CAAN-10-15248	GELC
R-31	1712	1011.3	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.82	—	—	3.3	ug/L	J	J	10-238	CAAN-09-14348	GELC
R-31	1712	1011.3	10/22/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	19.6	—	—	2	ug/L	—	—	09-162	CAAN-08-16124	GELC
R-31	1712	1011.3	12/06/06	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.1	—	—	2	ug/L	J	U	177502	GF06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	489	—	—	2	ug/L	—	—	144084	GF0508G31R501	GELC
R-31	1712	1011.3	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.49	—	—	3.3	ug/L	J	J	10-238	CAAN-09-14349	GELC
R-31	1712	1011.3	10/22/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	85.6	—	—	2	ug/L	—	—	09-162	CAAN-08-16126	GELC
R-31	1712	1011.3	12/06/06	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	8.1	—	—	2	ug/L	J	U	177502	GU06110G31R501	GELC
R-31	1712	1011.3	08/24/05	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	302	—	—	2	ug/L	—	—	144084	GU0508G31R501	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.6	—	—	0.73	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.2	—	—	0.73	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	0.73	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.6	—	—	0.73	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.1	—	—	0.725	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.633	—	—	0.016	mg/L	—	J	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.053	—	—	0.016	mg/L	—	U	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.03	mg/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	0.03	mg/L	U	UJ	08-1006	CAAN-08-11737	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	1078.4	10/30/07	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.03	—	—	0.03	mg/L	U	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	0.05	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	0.05	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	0.03	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	0.03	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	0.03	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	0.05	mg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	0.05	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	0.03	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	0.03	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	0.03	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.63	—	—	0.066	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.54	—	—	0.066	mg/L	—	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.65	—	—	0.066	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.61	—	—	0.066	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.55	—	—	0.066	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.242	—	—	0.033	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.409	—	—	0.033	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.257	—	—	0.033	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.274	—	—	0.033	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.367	—	—	0.033	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.2	—	—	0.35	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.7	—	—	0.35	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.7	—	—	0.35	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43	—	—	0.43	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.4	—	—	0.425	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.3	—	—	0.35	mg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.8	—	—	0.35	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.8	—	—	0.35	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.6	—	—	0.43	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.7	—	—	0.425	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	0.085	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	0.085	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	0.085	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	0.085	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.26	—	—	0.085	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	0.085	mg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	0.085	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.78	—	—	0.085	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	0.085	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.22	—	—	0.085	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.171	—	—	0.05	ug/L	J	J	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.181	—	—	0.05	ug/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.197	—	—	0.05	ug/L	J	J	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.185	—	—	0.05	ug/L	J	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.177	—	—	0.05	ug/L	J	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	0.05	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	0.05	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	0.05	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	0.05	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	0.05	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	0.05	mg/L	—	—	10-2774	CAAN-10-15262	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	1078.4	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	0.05	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	0.05	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	0.05	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	0.05	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	62.8	—	—	0.032	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	0.1	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	0.1	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	0.045	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	0.045	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	0.045	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	0.1	mg/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	0.1	mg/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	0.045	mg/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	0.045	mg/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	0.045	mg/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	129	—	—	1	uS/cm	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	137	—	—	1	uS/cm	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	128	—	—	1	uS/cm	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1	uS/cm	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1	uS/cm	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.5	—	—	0.1	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.44	—	—	0.1	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.58	—	—	0.1	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.42	—	—	0.1	mg/L	—	J-	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.5	—	—	0.1	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.4	mg/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	116	—	—	2.4	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	120	—	—	2.4	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.4	mg/L	—	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.38	mg/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.4	—	—	0.01	SU	H	J-	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.22	—	—	0.01	SU	H	J-	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.36	—	—	0.01	SU	H	J-	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	0.01	SU	H	J-	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.39	—	—	0.01	SU	H	J	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.39	—	—	1	ug/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.49	—	—	1	ug/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	7	—	—	1	ug/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	8.9	—	—	1	ug/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.9	—	—	1	ug/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.04	—	—	1	ug/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.33	—	—	1	ug/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.3	—	—	1	ug/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7	—	—	1	ug/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	7.7	—	—	1	ug/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	ug/L	U	U	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	25	ug/L	U	U	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	25	ug/L	U	U	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	25	ug/L	U	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33	—	—	30	ug/L	J	J	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	338	—	—	30	ug/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	142	—	—	25	ug/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	1078.4	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	64.8	—	—	25	ug/L	J	J	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	42.8	—	—	25	ug/L	J	U	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.62	—	—	2	ug/L	J	J	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.76	—	—	2	ug/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.9	—	—	2	ug/L	J	J	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.9	—	—	2	ug/L	J	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2	ug/L	J	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.16	—	—	2	ug/L	J	J	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	16.1	—	—	2	ug/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.2	—	—	2	ug/L	J	J	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5	—	—	2	ug/L	J	J	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6	—	—	2	ug/L	J	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.774	—	—	0.1	ug/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.877	—	—	0.1	ug/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.82	—	—	0.1	ug/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	0.1	ug/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2	ug/L	U	UJ	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.785	—	—	0.1	ug/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	0.1	ug/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.85	—	—	0.1	ug/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.78	—	—	0.1	ug/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2	ug/L	U	UJ	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.634	—	—	0.5	ug/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.67	—	—	0.5	ug/L	J	J	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.57	—	—	0.5	ug/L	J	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.7	—	—	0.5	ug/L	J	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.787	—	—	0.5	ug/L	J	J	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.11	—	—	0.5	ug/L	J	J	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.76	—	—	0.5	ug/L	J	J	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.57	—	—	0.5	ug/L	J	J	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.85	—	—	0.5	ug/L	J	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	59	—	—	0.053	mg/L	—	J+	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.5	—	—	0.053	mg/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.9	—	—	0.032	mg/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.2	—	—	0.032	mg/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.2	—	—	1	ug/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.1	—	—	1	ug/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1	ug/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.3	—	—	1	ug/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1	ug/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.1	—	—	1	ug/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.4	—	—	1	ug/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.7	—	—	1	ug/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.6	—	—	1	ug/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49	—	—	1	ug/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.625	—	—	0.05	ug/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.546	—	—	0.05	ug/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.65	—	—	0.05	ug/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	0.05	ug/L	—	—	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	0.05	ug/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.641	—	—	0.05	ug/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.565	—	—	0.05	ug/L	—	—	10-233	CAAN-09-14341	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	1078.4	10/16/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.65	—	—	0.05	ug/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.62	—	—	0.05	ug/L	—	—	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.52	—	—	0.05	ug/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.73	—	—	1	ug/L	J	J	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.45	—	—	1	ug/L	J	J	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1	ug/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	8.5	—	—	1	ug/L	—	U	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.6	—	—	1	ug/L	J	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.66	—	—	1	ug/L	J	J	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.57	—	—	1	ug/L	J	J	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1	ug/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	8.6	—	—	1	ug/L	—	U	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.5	—	—	1	ug/L	J	—	196782	GU071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	65.3	—	—	3.3	ug/L	—	—	10-2774	CAAN-10-15263	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	78.7	—	—	3.3	ug/L	—	—	10-233	CAAN-09-14339	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	68.2	—	—	2	ug/L	—	—	09-109	CAAN-08-16117	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	65.7	—	—	2	ug/L	—	J	08-1006	CAAN-08-11737	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	65.1	—	—	2	ug/L	—	—	196782	GF071000G01T01	GELC
Test Well DT-10	1811	1078.4	04/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	71.8	—	—	3.3	ug/L	—	—	10-2774	CAAN-10-15262	GELC
Test Well DT-10	1811	1078.4	10/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	86.6	—	—	3.3	ug/L	—	—	10-233	CAAN-09-14341	GELC
Test Well DT-10	1811	1078.4	10/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	72.3	—	—	2	ug/L	—	—	09-109	CAAN-08-16119	GELC
Test Well DT-10	1811	1078.4	04/16/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	69.5	—	—	2	ug/L	—	J	08-1006	CAAN-08-11739	GELC
Test Well DT-10	1811	1078.4	10/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	71.4	—	—	2	ug/L	—	—	196782	GU071000G01T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.6	—	—	0.73	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	—	—	0.73	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	—	—	0.73	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.4	—	—	0.73	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.8	—	—	0.725	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.62	—	—	0.05	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	—	—	0.05	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	—	—	0.03	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.76	—	—	0.03	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.58	—	—	0.03	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.68	—	—	0.05	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	—	—	0.05	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	—	—	0.03	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.46	—	—	0.03	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.67	—	—	0.03	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.45	—	—	0.066	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	—	—	0.066	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	—	—	0.066	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	0.066	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.55	—	—	0.066	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.186	—	—	0.033	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	—	—	0.033	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	—	—	0.033	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.229	—	—	0.033	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.231	—	—	0.033	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	31.6	—	—	0.35	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	—	—	0.35	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	—	—	0.35	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	32.1	—	—	0.43	mg/L	—	—	08-1025	CAAN-08-11745	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	11/10/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	31.7	—	—	0.425	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31.8	—	—	0.35	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	—	—	0.35	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	—	—	0.35	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31	—	—	0.43	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	31.8	—	—	0.425	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.46	—	—	0.085	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	—	—	0.085	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	—	—	0.085	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.5	—	—	0.085	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.49	—	—	0.085	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.47	—	—	0.085	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	—	—	0.085	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	—	—	0.085	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.4	—	—	0.085	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.47	—	—	0.085	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.372	—	—	0.05	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	—	—	0.05	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	—	—	0.05	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.367	—	—	0.05	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.345	—	—	0.05	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.209	—	—	0.05	ug/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	—	—	0.05	ug/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	—	—	0.05	ug/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.245	—	—	0.05	ug/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.253	—	—	0.05	ug/L	—	J-	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	0.05	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	—	—	0.05	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	—	—	0.05	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	0.05	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	0.05	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	0.05	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	—	—	0.05	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	—	—	0.05	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	0.05	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	0.05	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	0.032	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	0.1	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	—	—	0.1	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	—	—	0.045	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	0.045	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	0.045	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	0.1	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	—	—	0.1	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	—	—	0.045	mg/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	0.045	mg/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	0.045	mg/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	111	—	—	1	uS/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	uS/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	uS/cm	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	110	—	—	1	uS/cm	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	109	—	—	1	uS/cm	—	—	197658	GF071000GA5T01	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	04/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.62	—	—	0.1	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	—	—	0.1	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	—	—	0.1	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.5	—	—	0.1	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.45	—	—	0.1	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.4	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	—	—	2.4	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	—	—	2.4	mg/L	—	J	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.4	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.38	mg/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	0.01	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	—	—	0.01	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	—	—	0.01	SU	H	J-	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	0.01	SU	H	J-	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	0.01	SU	H	J	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1	ug/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	ug/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	ug/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.4	—	—	1	ug/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.6	—	—	1	ug/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.3	—	—	1	ug/L	—	—	10-2745	CAAN-10-15258	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.6	—	—	1	ug/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	ug/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.8	—	—	1	ug/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.7	—	—	1	ug/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	ug/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	—	—	25	ug/L	J	J	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	25	ug/L	U	U	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	25	ug/L	U	UJ	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	60.4	—	—	30	ug/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	—	—	30	ug/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	—	—	25	ug/L	J	J	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	50.5	—	—	25	ug/L	J	J	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	25	ug/L	U	UJ	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	0.5	ug/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	—	—	0.5	ug/L	U	U	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.56	—	—	0.5	ug/L	J	J	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	0.5	ug/L	U	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.686	—	—	0.5	ug/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	—	—	0.5	ug/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	—	—	0.5	ug/L	U	U	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.2	—	—	0.5	ug/L	J	J	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	0.5	ug/L	U	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	10.8	—	—	2	ug/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	ug/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	ug/L	J	J	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	10.9	—	—	2	ug/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.6	—	—	2	ug/L	J	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	14.4	—	—	2	ug/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	ug/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	ug/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.7	—	—	2	ug/L	—	—	08-1025	CAAN-08-11743	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	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.1	—	—	2	ug/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	0.1	ug/L	—	—	10-2745	CAAN-10-15259	GELC
Test Well DT-5A	1821	1172	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	0.1	ug/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	—	—	0.1	ug/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.6	—	—	0.1	ug/L	—	J	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	4.1	—	—	2	ug/L	J	U	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	0.1	ug/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	—	—	0.1	ug/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	—	—	0.1	ug/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	0.1	ug/L	—	J	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2.7	—	—	2	ug/L	J	U	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	0.053	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	—	—	0.053	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	—	—	0.032	mg/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	0.032	mg/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.9	—	—	1	ug/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	ug/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	ug/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.7	—	—	1	ug/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.6	—	—	1	ug/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1	ug/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	ug/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	ug/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	43.2	—	—	1	ug/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	44.7	—	—	1	ug/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.365	—	—	0.05	ug/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	—	—	0.05	ug/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	—	—	0.05	ug/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.62	—	—	0.05	ug/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.36	—	—	0.05	ug/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.359	—	—	0.05	ug/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	—	—	0.05	ug/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	—	—	0.05	ug/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.63	—	—	0.05	ug/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.36	—	—	0.05	ug/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.01	—	—	1	ug/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	ug/L	—	—	10-291	CAAN-09-13885	GELC
Test Well DT-5A	1821	1172	10/17/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9	—	—	1	ug/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	12.3	—	—	1	ug/L	—	U	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.2	—	—	1	ug/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.55	—	—	1	ug/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	ug/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	ug/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	12.5	—	—	1	ug/L	—	U	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.9	—	—	1	ug/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	149	—	—	3.3	ug/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	—	—	3.3	ug/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	ug/L	—	—	09-116	CAAN-08-16107	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	170	—	—	2	ug/L	—	—	08-1025	CAAN-08-11745	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	175	—	—	2	ug/L	—	—	197658	GF071000GA5T01	GELC
Test Well DT-5A	1821	1172	04/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	157	—	—	3.3	ug/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	—	—	3.3	ug/L	—	—	10-291	CAAN-09-13675	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	UF	CS	—	Metals	SW-846:6010B	Zinc	—	177	—	—	2	ug/L	—	—	09-116	CAAN-08-16108	GELC
Test Well DT-5A	1821	1172	04/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	167	—	—	2	ug/L	—	—	08-1025	CAAN-08-11743	GELC
Test Well DT-5A	1821	1172	11/10/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	186	—	—	2	ug/L	—	—	197658	GU071000GA5T01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.6	—	—	0.73	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	—	—	0.73	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	—	—	0.73	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54	—	—	0.73	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	11/02/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.8	—	—	0.725	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.84	—	—	0.05	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	—	—	0.05	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	—	—	0.03	mg/L	EN	J+	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.81	—	—	0.03	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.77	—	—	0.05	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	—	—	0.05	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	—	—	0.03	mg/L	EN	J+	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.83	—	—	0.03	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.51	—	—	0.066	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	—	—	0.066	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	—	—	0.066	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.69	—	—	0.066	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	11/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.56	—	—	0.066	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.229	—	—	0.033	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	—	—	0.033	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	—	—	0.033	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.302	—	—	0.033	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	11/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.284	—	—	0.033	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.8	—	—	0.35	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	—	—	0.35	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	—	—	0.35	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	35.5	—	—	0.43	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.4	—	—	0.35	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	—	—	0.35	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	—	—	0.35	mg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.8	—	—	0.43	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.72	—	—	0.085	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	—	—	0.085	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	—	—	0.085	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.68	—	—	0.085	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.68	—	—	0.085	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	—	—	0.085	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	—	—	0.085	mg/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.73	—	—	0.085	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.255	—	—	0.05	ug/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	—	—	0.05	ug/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	—	—	0.05	ug/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.271	—	—	0.05	ug/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	11/02/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.272	—	—	0.05	ug/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.916	—	—	0.05	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	—	—	0.05	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	—	—	0.05	mg/L	—	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.01	—	—	0.05	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.866	—	—	0.05	mg/L	—	—	10-2890	CAAN-10-15261	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	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.991	—	—	0.05	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	—	—	0.05	mg/L	—	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.01	—	—	0.05	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	11/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	71.8	—	—	0.032	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	0.1	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	—	—	0.1	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	—	—	0.045	mg/L	EN	J+	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	0.045	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	0.1	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	—	—	0.1	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	—	—	0.045	mg/L	EN	J+	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	0.045	mg/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	118	—	—	1	uS/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	uS/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	uS/cm	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	119	—	—	1	uS/cm	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	11/02/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	117	—	—	1	uS/cm	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.69	—	—	0.1	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	—	—	0.1	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	—	—	0.1	mg/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.71	—	—	0.1	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	11/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.49	—	—	0.1	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.4	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	—	—	2.4	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	—	—	2.4	mg/L	—	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	2.4	mg/L	—	J	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	11/02/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.38	mg/L	—	—	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	0.01	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	—	—	0.01	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	—	—	0.01	SU	H	J-	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	0.01	SU	H	J-	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	11/02/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	0.01	SU	H	J	197048	GF071000G9WT01	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.13	—	—	1.5	ug/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	—	—	1.5	ug/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	—	—	1.5	ug/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.5	ug/L	U	U	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.99	—	—	1.5	ug/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	—	—	1.5	ug/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	—	—	1.5	ug/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.5	ug/L	U	U	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.3	—	—	1	ug/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	ug/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	ug/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.9	—	—	1	ug/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.5	—	—	1	ug/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	ug/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	ug/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.7	—	—	1	ug/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	15	ug/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	—	—	10	ug/L	J	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	11	—	—	10	ug/L	J	J	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	15	ug/L	J	J	10-2890	CAAN-10-15261	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	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	15	ug/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	—	—	10	ug/L	J	J	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	12.4	—	—	10	ug/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.61	—	—	2.5	ug/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	—	—	2.5	ug/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	—	—	1.5	ug/L	—	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	2.5	ug/L	J	J	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.06	—	—	2.5	ug/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	—	—	2.5	ug/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	—	—	1.5	ug/L	—	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.4	—	—	2.5	ug/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	ug/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	Copper	<	10	—	—	3	ug/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	ug/L	U	U	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.1	—	—	3	ug/L	—	—	10-2890	CAAN-10-15261	GELC
Test Well DT-9	1831	819	10/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	ug/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	Copper	<	10	—	—	3	ug/L	U	U	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3	ug/L	U	U	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	30	ug/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	—	—	25	ug/L	J	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	25	ug/L	U	U	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	256	—	—	30	ug/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	—	—	30	ug/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	—	—	25	ug/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	46.3	—	—	25	ug/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.523	—	—	0.5	ug/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	—	—	0.5	ug/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	0.5	ug/L	U	U	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	20.1	—	—	0.5	ug/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	—	—	0.5	ug/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	—	—	0.5	ug/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.64	—	—	0.5	ug/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	10/28/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2	ug/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	ug/L	U	U	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2	ug/L	U	U	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.7	—	—	2	ug/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	ug/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	ug/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.5	—	—	2	ug/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.961	—	—	0.1	ug/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	—	—	0.1	ug/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	—	—	0.1	ug/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	0.1	ug/L	—	U	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.613	—	—	0.1	ug/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	—	—	0.1	ug/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	—	—	0.1	ug/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.2	—	—	0.1	ug/L	—	U	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.714	—	—	0.5	ug/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	—	—	0.5	ug/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	—	—	0.5	ug/L	J	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.55	—	—	0.5	ug/L	J	J	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	0.5	ug/L	J	J	10-2890	CAAN-10-15261	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	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.743	—	—	0.5	ug/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	—	—	0.5	ug/L	J	J	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.61	—	—	0.5	ug/L	J	J	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.1	—	—	0.053	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	—	—	0.053	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	—	—	0.032	mg/L	E	J	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.7	—	—	0.032	mg/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46	—	—	1	ug/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	ug/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	ug/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.1	—	—	1	ug/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.9	—	—	1	ug/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	ug/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	ug/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.3	—	—	1	ug/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.38	—	—	1	ug/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	ug/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	ug/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.7	—	—	1	ug/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.46	—	—	1	ug/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	ug/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	ug/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1	ug/L	—	—	08-946	CAAN-08-11731	GELC
Test Well DT-9	1831	819	04/23/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	89.1	—	—	3.3	ug/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	—	—	3.3	ug/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	ug/L	—	—	09-96	CAAN-08-16110	GELC
Test Well DT-9	1831	819	04/07/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	99.2	—	—	2	ug/L	—	—	08-946	CAAN-08-11730	GELC
Test Well DT-9	1831	819	04/23/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	188	—	—	3.3	ug/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	—	—	3.3	ug/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	ug/L	—	—	09-96	CAAN-08-16112	GELC
Test Well DT-9	1831	819	04/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	98.7	—	—	2	ug/L	—	—	08-946	CAAN-08-11731	GELC

Appendix D

Analytical Chemistry Screening Results

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

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Table D-1
Previously Unreported Pajarito Groundwater Radionuclides

Zone	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)
Alluvial	CDBO-6	SINGLE	34	08/14/09	GROSSA	UF	CS	—*	—	6.46	1.8	3.5	pCi/L	GELC	EPA:900	—	—	—	30	0.22	15	0.43
Alluvial	PCAO-5	SINGLE	14.7	06/09/09	GROSSA	F	CS	—	—	9.76	1.3	1.7	pCi/L	GELC	EPA:900	—	—	—	30	0.33	15	0.65
Alluvial	PCAO-5	SINGLE	14.7	06/09/09	GROSSA	UF	CS	—	—	10.9	1.6	2.8	pCi/L	GELC	EPA:900	—	—	—	30	0.36	15	0.73
Alluvial	PCAO-5	SINGLE	14.7	09/02/09	GROSSA	UF	CS	—	—	6.35	1.7	3.1	pCi/L	GELC	EPA:900	—	—	—	30	0.21	15	0.42
Intermediate	R-19	MULTI	909.3	09/10/09	GROSSA	UF	CS	—	—	8.59	2.6	4.5	pCi/L	GELC	EPA:900	—	—	—	30	0.29	15	0.57
Regional	R-20	MULTI	904.6	09/02/09	GROSSA	UF	CS	—	—	13.5	2.4	2.1	pCi/L	GELC	EPA:900	—	—	—	30	0.45	15	0.9
Regional	R-49	MULTI	845	12/07/09	GROSSA	UF	CS	—	—	14	2.4	3	pCi/L	GELC	EPA:900	—	—	—	30	0.47	15	0.93

*— = None.

Table D-2
Previously Unreported Pajarito 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
Intermediate	R-37	MULTI	929.3	12/18/09	H-3	UF	CS	—*	—	26.31	4.09	2.33089	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-37	MULTI	1026	12/18/09	H-3	UF	CS	—	—	24.43	3.74	1.62843	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-38	SINGLE	821.2	12/17/09	H-3	UF	CS	—	<	0.51	0.64	2.17124	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-21	SINGLE	888.8	12/04/09	H-3	UF	CS	—	<	-0.26	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-41	MULTI	965.3	12/15/09	H-3	UF	CS	—	<	-0.13	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Alluvial	PCAO-5	SINGLE	14.7	12/17/09	H-3	UF	CS	FD	—	43.55	6.64	2.2351	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	PCAO-5	SINGLE	14.7	12/17/09	H-3	UF	CS	—	—	44.83	6.80	2.17124	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	3MAO-2	SINGLE	14.7	12/16/09	H-3	UF	CS	FD	—	153.39	23.09	2.04352	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	3MAO-2	SINGLE	14.7	12/16/09	H-3	UF	CS	—	—	153.30	23.09	2.58633	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	12/11/09	H-3	UF	CS	—	—	54.92	1.92	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Alluvial	PCAO-7b2	SINGLE	10	12/10/09	H-3	UF	CS	—	—	59.07	1.92	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Alluvial	PCAO-7c	SINGLE	9.7	12/10/09	H-3	UF	CS	—	—	65.14	2.24	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	PCI-2	SINGLE	512	12/14/09	H-3	UF	CS	—	<	-0.16	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Intermediate	R-19	MULTI	909.3	12/03/09	H-3	UF	CS	—	<	-0.16	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Intermediate	R-40	MULTI	649.7	12/04/09	H-3	UF	CS	—	<	0.51	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Intermediate	R-40	MULTI	751.6	12/04/09	H-3	UF	CS	—	<	0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Intermediate	R-23i	MULTI	400.3	12/03/09	H-3	UF	CS	—	—	185.19	6.07	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	R-23i	MULTI	470.2	12/02/09	H-3	UF	CS	—	—	30.97	0.96	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	R-23i	MULTI	524	12/01/09	H-3	UF	CS	—	—	33.21	0.96	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-40	MULTI	849.3	12/03/09	H-3	UF	CS	FD	<	-0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-40	MULTI	849.3	12/03/09	H-3	UF	CS	—	<	0.16	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-20	MULTI	904.6	12/01/09	H-3	UF	CS	—	<	-0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-20	MULTI	1147.1	12/02/09	H-3	UF	CS	—	<	-0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-32	SINGLE	867.5	12/07/09	H-3	UF	CS	—	<	-0.13	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-49	MULTI	845	12/07/09	H-3	UF	CS	—	<	0.09579	0.28737	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-49	MULTI	905.6	12/09/09	H-3	UF	CS	—	<	0.22351	0.28737	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-39	SINGLE	859	12/09/09	H-3	UF	CS	PEB	<	-0.03193	0.28737	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-39	SINGLE	859	12/09/09	H-3	UF	CS	FD	<	-0.25544	0.28737	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-39	SINGLE	859	12/09/09	H-3	UF	CS	—	<	0.16	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-23	SINGLE	816	12/09/09	H-3	UF	CS	FD	<	0.22	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-23	SINGLE	816	12/09/09	H-3	UF	CS	—	<	0.13	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5

*— = None.

Table D-3
Groundwater Radionuclides

Zone	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)	DOE Drinking Water DCG Scr Lvl	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Regional	R-37	MULTI	1026	03/03/10	Ra-228	UF	CS	—*	<	0.655	0.23	0.59	pCi/L	GELC	EPA:904	—	U	R11	100	0.01	4	0.16	5	0.13	30	0.02
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	Ra-226	UF	CS	—	—	0.767	0.25	0.62	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.19	5	0.15	30	0.03
Regional	R-54	MULTI	830	02/15/10	GROSSA	UF	CS	—	—	11	2.1	2.3	pCi/L	GELC	EPA:900	—	—	—	30	0.37	—	—	15	0.73	—	—

*— = None.

Table D-4
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
Intermediate	R-37	MULTI	929.3	03/02/10	H-3	UF	CS	—*	—	44.70	1.28	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-37	MULTI	1026	03/03/10	H-3	UF	CS	—	—	4.53	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-41	MULTI	965.3	02/26/10	H-3	UF	CS	—	<	-0.35	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Alluvial	18-BG-1	SINGLE	10	02/22/10	H-3	UF	CS	—	—	50.13	1.60	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	H-3	UF	CS	FD	—	94.19	3.19	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	H-3	UF	CS	—	—	91.96	3.19	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Alluvial	PCAO-7c	SINGLE	9.7	03/02/10	H-3	UF	CS	FD	—	74.08	2.55	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Alluvial	PCAO-7c	SINGLE	9.7	03/02/10	H-3	UF	CS	—	—	77.27	2.55	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	PCI-2	SINGLE	512	03/01/10	H-3	UF	CS	—	<	-0.16	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Intermediate	R-19	MULTI	909.3	02/25/10	H-3	UF	CS	—	<	0.03	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Intermediate	R-40	MULTI	649.7	03/03/10	H-3	UF	CS	—	<	—	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Intermediate	R-40	MULTI	751.6	02/23/10	H-3	UF	CS	PEB	<	-0.19	0.10	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5

Table D-4 (continued)

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
Intermediate	R-40	MULTI	751.6	02/23/10	H-3	UF	CS	—	<	0.13	0.13	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Intermediate	R-23i	MULTI	524	03/08/10	H-3	UF	CS	—	—	33.53	0.96	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-17	MULTI	1057	03/08/10	H-3	UF	CS	—	<	0.64	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Regional	R-17	MULTI	1124	03/08/10	H-3	UF	CS	—	<	0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-51	MULTI	914.96	03/08/10	H-3	UF	CS	—	<	0.03	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-51	MULTI	1030.96	02/22/10	H-3	UF	CS	—	<	-0.22	0.06	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-40	MULTI	849.3	02/23/10	H-3	UF	CS	—	<	-0.32	0.13	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-20	MULTI	1147.1	02/24/10	H-3	UF	CS	FD	<	-0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-20	MULTI	1147.1	02/24/10	H-3	UF	CS	—	<	-0.19	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-54	MULTI	830	02/15/10	H-3	UF	CS	—	<	-0.10	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-54	MULTI	915	02/21/10	H-3	UF	CS	—	<	-0.06	0.10	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-49	MULTI	845	03/03/10	H-3	UF	CS	—	<	0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-49	MULTI	905.6	03/05/10	H-3	UF	CS	—	<	0.12772	0.28737	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-39	SINGLE	859	02/26/10	H-3	UF	CS	—	<	—	0.28737	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-23	SINGLE	816	03/05/10	H-3	UF	CS	FD	<	-0.15965	0.28737	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-23	SINGLE	816	03/05/10	H-3	UF	CS	—	<	-0.25544	0.28737	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5

*— = None.

Table D-5
Groundwater Inorganics

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Preparation Code	Field QC Type Code	Lab Sample Type Code	Symbol	Result	Uncertainty	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Cl(-1)	Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	F	FD	CS	—*	134	—	1.3	mg/L	GELC	—	—	—	250	0.54
Cl(-1)	Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	F	—	CS	—	137	—	1.3	mg/L	GELC	—	—	—	250	0.55

*— = None.

Table D-6
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-41	MULTI	965	02/26/10	—*	F	CS	ClO4	SW-846:6850	—	0.389	0.05	µg/L	1	—	—	—	GELC
Alluvial	18-BG-1	SINGLE	10	02/22/10	—	F	CS	ClO4	SW-846:6850	—	0.302	0.05	µg/L	1	—	—	—	GELC
Alluvial	PCAO-7a	SINGLE	10	02/23/10	—	F	CS	ClO4	SW-846:6850	—	0.353	0.05	µg/L	1	—	—	—	GELC
Alluvial	PCAO-7a	SINGLE	10	02/23/10	FD	F	CS	ClO4	SW-846:6850	—	0.342	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-19	MULTI	909	02/25/10	—	F	CS	ClO4	SW-846:6850	—	0.353	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-40	MULTI	752	02/23/10	PEB	UF	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Intermediate	R-40	MULTI	752	02/23/10	PEB	UF	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Intermediate	R-40	MULTI	752	02/23/10	—	F	CS	ClO4	SW-846:6850	—	0.054	0.05	µg/L	1	J	J	J_LAB	GELC
Intermediate	R-23i	MULTI	400	03/10/10	—	F	CS	ClO4	SW-846:6850	—	0.249	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-23i	MULTI	470	03/09/10	—	F	CS	ClO4	SW-846:6850	—	0.214	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-23i	MULTI	524	03/08/10	—	F	CS	ClO4	SW-846:6850	—	0.234	0.05	µg/L	1	—	—	—	GELC
Regional	R-17	MULTI	1057	03/08/10	—	F	CS	ClO4	SW-846:6850	—	0.232	0.05	µg/L	1	—	—	—	GELC
Regional	R-17	MULTI	1124	03/08/10	—	F	CS	ClO4	SW-846:6850	—	0.238	0.05	µg/L	1	—	—	—	GELC
Regional	R-51	MULTI	1031	02/22/10	—	F	CS	ClO4	SW-846:6850	—	0.301	0.05	µg/L	1	—	—	—	GELC
Regional	R-19	MULTI	1191	02/26/10	—	F	CS	ClO4	SW-846:6850	—	0.252	0.05	µg/L	1	—	—	—	GELC
Regional	R-19	MULTI	1413	02/26/10	—	F	CS	ClO4	SW-846:6850	—	0.272	0.05	µg/L	1	—	—	—	GELC
Regional	R-40	MULTI	849	02/23/10	—	F	CS	ClO4	SW-846:6850	—	0.247	0.05	µg/L	1	—	—	—	GELC
Regional	R-20	MULTI	1147	02/24/10	—	F	CS	ClO4	SW-846:6850	—	0.111	0.05	µg/L	1	J	J	J_LAB	GELC
Regional	R-20	MULTI	1147	02/24/10	FD	F	CS	ClO4	SW-846:6850	—	0.119	0.05	µg/L	1	J	J	J_LAB	GELC
Regional	R-54	MULTI	830	02/15/10	—	F	CS	ClO4	SW-846:6850	—	0.196	0.05	µg/L	1	J	J	J_LAB	GELC
Regional	R-54	MULTI	915	02/21/10	—	F	CS	ClO4	SW-846:6850	—	0.274	0.05	µg/L	1	—	—	—	GELC
Regional	R-32	SINGLE	868	03/09/10	—	F	CS	ClO4	SW-846:6850	—	0.344	0.05	µg/L	1	—	—	—	GELC
Regional	R-39	SINGLE	859	02/26/10	—	F	CS	ClO4	SW-846:6850	—	0.355	0.05	µg/L	1	—	—	—	GELC

*— = None.

Table D-7
Groundwater Metals

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	R-40	MULTI	751.6	02/23/10	Mn	F	CS	—*	—	124	2	µg/L	GELC	—	—	—	—	—	200	0.62
Regional	R-54	MULTI	830	02/15/10	Cr	UF	CS	—	—	143	2.5	µg/L	GELC	Noncancer	J-	I6a	100	1.43	—	—
Regional	R-54	MULTI	830	02/15/10	Pb	UF	CS	—	—	9.8	0.5	µg/L	GELC	—	—	—	15	0.65	—	—

*— = None.

Table D-8
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 MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	R-37	MULTI	929.3	03/02/10	—*	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—*	4.35	2	µg/L	1	J	J	SV7c	SW-846:8270C	GELC	—	—	61	0.07	—	—	—	—
Regional	R-38	SINGLE	821.2	03/12/10	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	2.28	2.3	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.38	48	0.05	—	—	—	—
Regional	R-38	SINGLE	821.2	03/12/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	13.3	2.3	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Alluvial	PCAO-5	SINGLE	14.7	02/24/10	FD	UF	CS	VOA	Acetone	67-64-1	—	7.2	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Alluvial	PCAO-5	SINGLE	14.7	02/24/10	—	UF	CS	VOA	Acetone	67-64-1	—	6.65	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Alluvial	PCAO-5	SINGLE	14.7	02/24/10	FTB	UF	CS	VOA	Chloromethane	74-87-3	—	0.38	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	FD	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	—	0.000000835	0.000000835	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	FD	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.000000835	0.000000835	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.00000178	0.00000178	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	FD	UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	—	0.000000407	0.000000407	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	FD	UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3	—	0.000000407	0.000000407	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	—	UF	CS	DIOX/FUR	Hexachlorodibenzofurans (Total)	55684-94-1	—	0.000000558	0.000000558	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—

Table D-8 (continued)

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 MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	FTB	UF	CS	VOA	Chloromethane	74-87-3	—	0.43	0.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Alluvial	PCAO-7a	SINGLE	9.7	02/23/10	—	UF	CS	VOA	Toluene	108-88-3	—	0.42	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Intermediate	03-B-13	SINGLE	21.5	03/01/10	FD	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	10.2	2.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	61	0.17	—	—	—	—
Intermediate	03-B-13	SINGLE	21.5	03/01/10	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	10.8	2.2	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	61	0.18	—	—	—	—
Intermediate	03-B-13	SINGLE	21.5	03/01/10	EQB	UF	CS	SVOA	Methylnaphthalene[2-]	91-57-6	—	1.41	0.32	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	—	—	150	0.01	—	—
Intermediate	03-B-13	SINGLE	21.5	03/01/10	FD	UF	CS	VOA	Chloroform	67-66-3	—	0.28	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.15	—	—	100	—
Intermediate	03-B-13	SINGLE	21.5	03/01/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.28	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.15	—	—	100	—
Intermediate	03-B-13	SINGLE	21.5	03/01/10	FTB	UF	CS	VOA	Chloromethane	74-87-3	—	0.59	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Intermediate	03-B-13	SINGLE	21.5	03/01/10	FD	UF	CS	VOA	Dichloroethane[1,1-]	75-34-3	—	0.71	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	24	0.03	—	—	25	0.03
Intermediate	03-B-13	SINGLE	21.5	03/01/10	—	UF	CS	VOA	Dichloroethane[1,1-]	75-34-3	—	0.72	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	24	0.03	—	—	25	0.03
Intermediate	03-B-13	SINGLE	21.5	03/01/10	FD	UF	CS	VOA	Dichloroethene[1,1-]	75-35-4	—	1.12	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	7	0.16	—	—	340	—	5	0.22
Intermediate	03-B-13	SINGLE	21.5	03/01/10	—	UF	CS	VOA	Dichloroethene[1,1-]	75-35-4	—	1.21	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	7	0.17	—	—	340	—	5	0.24
Intermediate	03-B-13	SINGLE	21.5	03/01/10	FD	UF	CS	VOA	Trichloroethane[1,1,1-]	71-55-6	—	40.2	0.33	µg/L	1	—	—	—	SW-846:8260B	GELC	200	0.2	—	—	9100	—	60	0.67
Intermediate	03-B-13	SINGLE	21.5	03/01/10	—	UF	CS	VOA	Trichloroethane[1,1,1-]	71-55-6	—	39.9	0.33	µg/L	1	—	—	—	SW-846:8260B	GELC	200	0.2	—	—	9100	—	60	0.67
Intermediate	03-B-13	SINGLE	21.5	03/01/10	FD	UF	CS	VOA	Trichloroethene	79-01-6	—	0.53	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.11	20	0.03	—	—	100	0.01
Intermediate	03-B-13	SINGLE	21.5	03/01/10	—	UF	CS	VOA	Trichloroethene	79-01-6	—	0.54	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.11	20	0.03	—	—	100	0.01
Intermediate	R-40	MULTI	751.6	02/23/10	PEB	UF	CS	PCB_CONG	PCB-110/PCB-115	PCB-110/115	—	0.0000173	—	µg/L	1	J	J	J_LAB	EPA:1668A	GELC	—	—	—	—	—	—	—	—
Intermediate	R-40	MULTI	751.6	02/23/10	PEB	UF	CS	PCB_CONG	PCB-118	31508-00-6	—	0.00000666	—	µg/L	1	J	J	J_LAB	EPA:1668A	GELC	0.5	—	0.052	—	—	—	1	—
Intermediate	R-40	MULTI	751.6	02/23/10	PEB	UF	CS	PCB_CONG	PCB-44/PCB-47/PCB-65	PCB-44/47/65	—	0.0000238	—	µg/L	1	J	J	J_LAB	EPA:1668A	GELC	—	—	—	—	—	—	—	—
Intermediate	R-40	MULTI	751.6	02/23/10	PEB	UF	CS	PCB_CONG	PCB-45/PCB-51	PCB-45/51	—	0.0000467	—	µg/L	1	—	—	—	EPA:1668A	GELC	—	—	—	—	—	—	—	—
Intermediate	R-40	MULTI	751.6	02/23/10	PEB	UF	CS	PEST/PCB	PCB-99	38380-01-7	—	0.00000865	—	µg/L	1	J	J	J_LAB	EPA:1668A	GELC	—	—	—	—	—	—	—	—
Intermediate	R-40	MULTI	751.6	02/23/10	PEB	UF	CS	PEST/PCB	Total PCB	1336-36-3	—	0.000103	—	µg/L	1	—	—	—	EPA:1668A	GELC	0.5	—	1.7	—	—	—	1	—
Intermediate	R-40	MULTI	751.6	02/23/10	PEB	UF	CS	PEST/PCB	Total pentaCB	25429-29-2	—	0.0000326	—	µg/L	1	—	—	—	EPA:1668A	GELC	—	—	—	—	—	—	—	—
Intermediate	R-40	MULTI	751.6	02/23/10	PEB	UF	CS	PEST/PCB	Total tetraCB	26914-33-0	—	0.0000705	—	µg/L	1	—	—	—	EPA:1668A	GELC	—	—	—	—	—	—	—	—
Intermediate	R-40	MULTI	751.6	02/23/10	FTB	UF	CS	VOA	Methylene Chloride	75-09-2	—	3.22	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.64	48	0.07	—	—	100	0.03
Intermediate	R-23i	MULTI	524	03/08/10	FTB	UF	CS	VOA	Acetone	67-64-1	—	5.6	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Intermediate Spring	Kieling Spring	SPRING	—	03/10/10	—	UF	CS	HEXP	HMX	2691-41-0	—	0.27	0.026	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	1800	—	—	—
Intermediate Spring	Kieling Spring	SPRING	—	03/10/10	FD	UF	CS	HEXP	HMX	2691-41-0	—	0.3	0.026	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	1800	—	—	—

Table D-8 (continued)

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 MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate Spring	Kieling Spring	SPRING	—	03/10/10	—	UF	CS	HEXP	RDX	121-82-4	—	0.14	0.059	µg/L	1	J	J-	HE12a	SW-846:8321A_MOD	STSL	—	—	6.1	0.02	—	—	—	—
Intermediate Spring	Kieling Spring	SPRING	—	03/10/10	FD	UF	CS	HEXP	RDX	121-82-4	—	0.12	0.059	µg/L	1	J	J-	HE12a	SW-846:8321A_MOD	STSL	—	—	6.1	0.02	—	—	—	—
Intermediate Spring	Bulldog Spring	SPRING	—	03/10/10	—	UF	CS	HEXP	3,5-Dinitroaniline	618-87-1	—	0.055	0.032	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	—	—	—	—
Intermediate Spring	Bulldog Spring	SPRING	—	03/10/10	—	UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	—	0.22	0.051	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	73	—	—	—
Intermediate Spring	Bulldog Spring	SPRING	—	03/10/10	—	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	—	0.1	0.05	µg/L	1	J	J	J_LAB	SW-846:8321A_MOD	STSL	—	—	—	—	73	—	—	—
Intermediate Spring	Bulldog Spring	SPRING	—	03/10/10	—	UF	CS	HEXP	HMX	2691-41-0	—	2.9	0.026	µg/L	1	—	—	—	SW-846:8321A_MOD	STSL	—	—	—	—	1800	—	—	—
Intermediate Spring	Bulldog Spring	SPRING	—	03/10/10	—	UF	CS	HEXP	RDX	121-82-4	—	3.7	0.059	µg/L	1	—	J-	HE12a	SW-846:8321A_MOD	STSL	—	—	6.1	0.61	—	—	—	—
Regional	R-17	MULTI	1057	03/08/10	FTB	UF	CS	VOA	Acetone	67-64-1	—	19	3.5	µg/L	1	—	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-17	MULTI	1124	03/08/10	FTB	UF	CS	VOA	Acetone	67-64-1	—	16.3	3.5	µg/L	1	—	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-51	MULTI	1030.96	02/22/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.00000101	0.00000101	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-51	MULTI	1030.96	02/22/10	—	UF	CS	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	—	0.000000618	0.000000618	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-51	MULTI	1030.96	02/22/10	FTB	UF	CS	VOA	Methylene Chloride	75-09-2	—	3.49	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.7	48	0.07	—	—	100	0.03
Regional	R-40	MULTI	849.3	02/23/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	—	0.00000054	0.00000054	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-40	MULTI	849.3	02/23/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.00000054	0.00000054	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-40	MULTI	849.3	02/23/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	—	0.000000395	0.000000395	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-40	MULTI	849.3	02/23/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3	—	0.000000395	0.000000395	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-40	MULTI	849.3	02/23/10	FD	UF	CS	VOA	Toluene	108-88-3	—	0.27	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-40	MULTI	849.3	02/23/10	—	UF	CS	VOA	Toluene	108-88-3	—	0.29	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-20	MULTI	1147.1	02/24/10	FTB	UF	CS	VOA	Chloromethane	74-87-3	—	0.39	0.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Regional	R-20	MULTI	1147.1	02/24/10	—	UF	CS	VOA	Dichloroethene[cis-1,2-]	156-59-2	—	0.31	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	70	—	—	—	370	—	—	—
Regional	R-20	MULTI	1147.1	02/24/10	—	UF	CS	VOA	Ethylbenzene	100-41-4	—	0.28	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	700	—	15	0.02	—	—	750	—
Regional	R-20	MULTI	1147.1	02/24/10	FTB	UF	CS	VOA	Methylene Chloride	75-09-2	—	4.65	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.93	48	0.1	—	—	100	0.05
Regional	R-20	MULTI	1147.1	02/24/10	FTB	UF	CS	VOA	Toluene	108-88-3	—	0.51	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-20	MULTI	1147.1	02/24/10	FD	UF	CS	VOA	Trichloroethene	79-01-6	—	1.76	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	5	0.35	20	0.09	—	—	100	0.02
Regional	R-20	MULTI	1147.1	02/24/10	—	UF	CS	VOA	Trichloroethene	79-01-6	—	1.77	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	5	0.35	20	0.09	—	—	100	0.02
Regional	R-20	MULTI	1147.1	02/24/10	FD	UF	CS	VOA	Xylene[1,3-]+Xylene[1,4-]	Xylene[1,3 and 1,4]	—	2.01	0.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	—	—	—	—
Regional	R-20	MULTI	1147.1	02/24/10	—	UF	CS	VOA	Xylene[1,3-]+Xylene[1,4-]	Xylene[1,3 and 1,4]	—	2.27	0.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	—	—	—	—

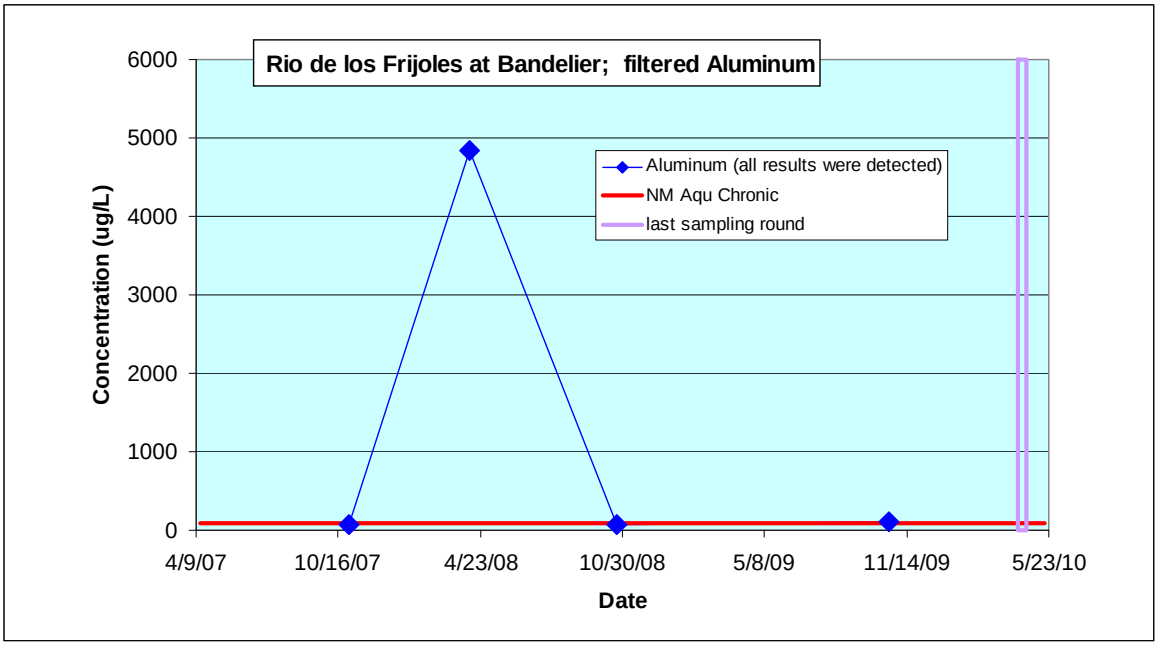
Table D-8 (continued)

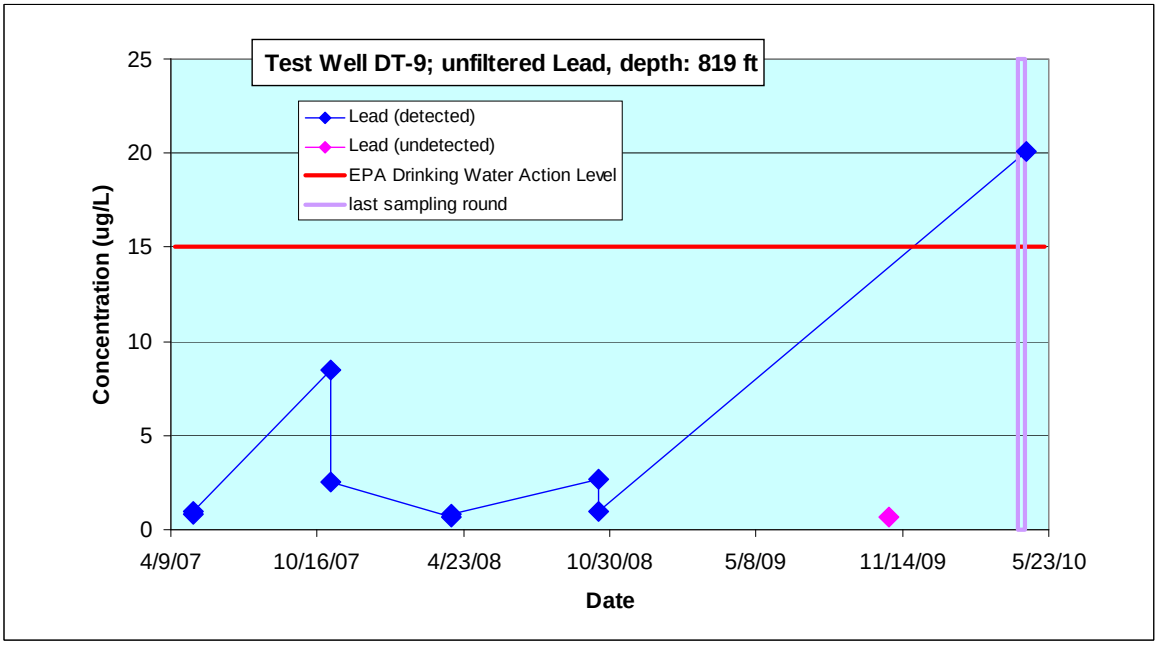
Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Regional	R-54	MULTI	830	02/15/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	—	0.000000996	0.000000996	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-54	MULTI	830	02/15/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.000000996	0.000000996	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-54	MULTI	830	02/15/10	—	UF	CS	HEXP	Nitrobenzene	98-95-3	—	0.124	0.1	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	1.2	0.1	—	—	—	—
Regional	R-54	MULTI	830	02/15/10	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	11.2	2	µg/L	1	—	—	—	SW-846:8270C	GELC	6	1.87	48	0.23	—	—	—	—
Regional	R-54	MULTI	830	02/15/10	—	UF	CS	VOA	Acetone	67-64-1	—	8.62	3.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-54	MULTI	830	02/15/10	—	UF	CS	VOA	Butanone[2-]	78-93-3	—	3.15	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	7100	—	—	—
Regional	R-54	MULTI	830	02/15/10	—	UF	CS	VOA	Methyl-2-pentanone[4-]	108-10-1	—	5.73	1.3	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	2000	—	—	—
Regional	R-54	MULTI	830	02/15/10	FTB	UF	CS	VOA	Methylene Chloride	75-09-2	—	4	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.8	48	0.08	—	—	100	0.04
Regional	R-54	MULTI	915	02/21/10	FTB	UF	CS	VOA	Methylene Chloride	75-09-2	—	4.37	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.87	48	0.09	—	—	100	0.04
Regional	R-32	SINGLE	867.5	03/09/10	—	UF	CS	VOA	Acetone	67-64-1	—	4.78	3.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-49	MULTI	905.6	03/05/10	—	UF	CS	VOA	Methylene Chloride	75-09-2	—	4.09	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.82	48	0.09	—	—	100	0.04
Regional	R-49	MULTI	905.6	03/05/10	FD	UF	CS	VOA	Toluene	108-88-3	—	0.309	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-49	MULTI	905.6	03/05/10	—	UF	CS	VOA	Toluene	108-88-3	—	0.462	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-23	SINGLE	816	03/05/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	8.88	2.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Regional	R-23	SINGLE	816	03/05/10	FD	UF	CS	VOA	Acetone	67-64-1	—	3.59	3.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—

*— = None.

Appendix E

Analytical Chemistry Graphs of Screening-Level Exceedances


Rio de los Frijoles at Bandelier; filtered Aluminum
Aluminum (all results were detected)
NM Aqu Chronic
last sampling round
Concentration (ug/L)
6000
5000
4000
3000
2000
1000
0
4/9/07
10/16/07
4/23/08
10/30/08
5/8/09
11/14/09
5/23/10
Date


Test Well DT-9; unfiltered Lead, depth: 819 ft
Lead (detected)
Lead (undetected)
EPA Drinking Water Action Level
last sampling round
Concentration (ug/L)
25
20
15
10
5
0
4/9/07
10/16/07
4/23/08
10/30/08
5/8/09
11/14/09
5/23/10
Date

Appendix F

Analytical Reports
(on CD included with this document)

DVD Table of Contents

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
10-2744	HEXP[a]	STSL	CAAN-10-15258	13-Apr-10	Test Well DT-5A	1172
10-2745	GENINORG[b]	GELC	CAAN-10-15258	13-Apr-10	Test Well DT-5A	1172
10-2745	GENINORG	GELC	CAAN-10-15259	13-Apr-10	Test Well DT-5A	1172
10-2745	HEXP	GELC	CAAN-10-15258	13-Apr-10	Test Well DT-5A	1172
10-2745	METALS	GELC	CAAN-10-15258	13-Apr-10	Test Well DT-5A	1172
10-2745	METALS	GELC	CAAN-10-15259	13-Apr-10	Test Well DT-5A	1172
10-2773	HEXP	STSL	CAAN-10-15262	14-Apr-10	Test Well DT-10	1078.4
10-2774	GENINORG	GELC	CAAN-10-15262	14-Apr-10	Test Well DT-10	1078.4
10-2774	GENINORG	GELC	CAAN-10-15263	14-Apr-10	Test Well DT-10	1078.4
10-2774	HEXP	GELC	CAAN-10-15262	14-Apr-10	Test Well DT-10	1078.4
10-2774	METALS	GELC	CAAN-10-15262	14-Apr-10	Test Well DT-10	1078.4
10-2774	METALS	GELC	CAAN-10-15263	14-Apr-10	Test Well DT-10	1078.4
10-2878	GENINORG	GELC	CAAN-10-15245	22-Apr-10	R-31	830.9
10-2878	GENINORG	GELC	CAAN-10-15246	22-Apr-10	R-31	830.9
10-2878	GENINORG	GELC	CAAN-10-15247	22-Apr-10	R-31	1011.3
10-2878	GENINORG	GELC	CAAN-10-15248	22-Apr-10	R-31	1011.3
10-2878	HEXP	GELC	CAAN-10-15245	22-Apr-10	R-31	830.9
10-2878	HEXP	GELC	CAAN-10-15247	22-Apr-10	R-31	1011.3
10-2878	METALS	GELC	CAAN-10-15245	22-Apr-10	R-31	830.9
10-2878	METALS	GELC	CAAN-10-15246	22-Apr-10	R-31	830.9
10-2878	METALS	GELC	CAAN-10-15248	22-Apr-10	R-31	1011.3
10-2879	HEXP	STSL	CAAN-10-15245	22-Apr-10	R-31	830.9
10-2879	HEXP	STSL	CAAN-10-15261	23-Apr-10	Test Well DT-9	819
10-2890	GENINORG	GELC	CAAN-10-15260	23-Apr-10	Test Well DT-9	819
10-2890	GENINORG	GELC	CAAN-10-15261	23-Apr-10	Test Well DT-9	819
10-2890	HEXP	GELC	CAAN-10-15261	23-Apr-10	Test Well DT-9	819
10-2890	METALS	GELC	CAAN-10-15260	23-Apr-10	Test Well DT-9	819
10-2890	METALS	GELC	CAAN-10-15261	23-Apr-10	Test Well DT-9	819

[a] HEXP = High explosives.

[b] GENINORG = General inorganics.