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Periodic Monitoring Report for Mortandad and Sandia Watersheds General Surveillance Monitoring Group, August 7–August 23, 2012

Prepared by the Environmental Programs Directorate

EP2013-0005

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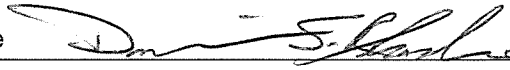
Peter Maggiore		Assistant Manager	DOE-NA-00-LA	2-19-2013
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EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2012, fourth quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Mortandad and Sandia watersheds portion of the General Surveillance monitoring group. This PME was conducted pursuant to the 2011 Interim Facility-Wide Groundwater Monitoring Plan, Revision 1, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from August 7 to August 23, 2012, and included the monitoring of groundwater wells and well screens. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

Water samples collected from various locations during this PME were analyzed for metals; volatile organic compounds; semivolatile organic compounds; high explosives; radionuclides, including low-level tritium; general inorganic chemicals, including perchlorate; stable isotopes; and field parameters (alkalinity, dissolved oxygen, pH, specific conductance, temperature, and turbidity).

No surface-water locations are sampled for this monitoring group.

Two results from sampling of PME monitoring locations before this PME and one result from groundwater samples collected during this PME were above applicable screening levels.

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Acronyms and Abbreviations

amsl	above mean sea level
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations (U.S.)
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
gpm	gallons per minute
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
IR	investigation report
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MCPA	2-methyl-4-chlorophenoxyacetic acid
MCPP	2-(4-chloro-2-methylphenoxy)propanoic acid
MDL	method detection limit
N	no (best value flag code)
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
PME	periodic monitoring event
PMR	periodic monitoring report
PQL	practical quantitation limit
QC	quality control
RLWTF	Radioactive Liquid Waste Treatment Facility
RPF	Records Processing Facility
SOP	standard operating procedure
TA	technical area
Y	yes (best value flag code)

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2012, fourth quarter, annual groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Mortandad and Sandia watersheds portion of the General Surveillance monitoring group pursuant to the 2011 Interim Facility-Wide Groundwater Monitoring Plan (IFGMP), Revision 1 (LANL 2011, 208811), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from August 7 to August 23, 2012, and included sampling of groundwater wells and well screens. This report also includes any results from samples collected during previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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

This report presents the following information:

- general background information on the monitoring group
- field-measurement monitoring results
- water-quality monitoring results
- screening analysis results (comparing these PME results with regulatory standards 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

Most of the monitoring wells discussed in the 2011 IFGMP, Revision 1 (LANL 2011, 208811) are assigned to area-specific monitoring groups related to project areas that may be located in more than one watershed. Locations that are not included within one of these six area-specific monitoring groups are assigned to the General Surveillance monitoring group. This PMR presents results from the Mortandad and Sandia watersheds portion of the General Surveillance monitoring group.

The Chromium Investigation monitoring group is located in Sandia and Mortandad Canyons. Monitoring focuses on the characterization and fate and transport of chromium contamination in intermediate-perched groundwater and within the regional aquifer. The distribution of wells in the monitoring group also addresses historical releases from Outfall 051, which discharges from the Radioactive Liquid Waste Treatment Facility (RLWTF) in the Mortandad Canyon watershed. Effluent volumes were considerably reduced or eliminated in 2010 and 2011 because of process changes at the RLWTF.

Sandia Canyon heads on Laboratory property within Technical Area 03 (TA-03) at an elevation of approximately 7300 ft and trends east-southeast across the Laboratory, Bandelier National Monument, and San Ildefonso Pueblo. Sandia Canyon empties into the Rio Grande in White Rock Canyon at an elevation of 5450 ft. The area of the Sandia Canyon watershed is approximately 5.5 mi^2. Perennial stream flow and saturated alluvial groundwater conditions occur in the upper and middle portions of the canyon system because sanitary wastewater and cooling tower effluent discharge to the canyon from operating facilities. A wetland of approximately 7 acres has developed as a result of the effluent discharge. The only known perennial spring in the watershed (Sandia Spring) is located in lower Sandia Canyon near the Rio Grande. TAs located in the Sandia Canyon watershed include TA-03, TA-53, TA-60, TA-61, TA-72, and former TA-20. A total of 264 solid waste management units and areas of concern are located within these TAs.

Mortandad Canyon is an east-to-southeast trending canyon that heads on the Pajarito Plateau near the main Laboratory complex at TA-03 at an elevation of 7380 ft. The drainage extends about 9.6 mi from its headwaters to its confluence with the Rio Grande at an elevation of 5440 ft. The canyon crosses San Ildefonso Pueblo land for several miles before joining the Rio Grande (LANL 1997, 056835). The Mortandad Canyon watershed is located in the central portion of the Laboratory and covers approximately 10 mi^2. The Mortandad Canyon watershed contains several tributary canyons that have received contaminants released during Laboratory operations, including Ten Site Canyon, Pratt Canyon, Effluent Canyon, and Cañada del Buey.

Chromium concentrations exceed the NMED groundwater standard in Mortandad Canyon regional aquifer wells R-28, R-62, R-42, and R-50. Other constituents detected above background in wells in the monitoring group include nitrate, perchlorate, and tritium. A conceptual model for the sources and distribution of these contaminants is presented in the Investigation Report for Sandia Canyon (hereafter, the Sandia Canyon IR) (LANL 2009, 107453).

The conceptual model hypothesizes that chromium and other contaminants originate from releases into Sandia Canyon with lateral migration pathways that move contamination to locations beneath Mortandad Canyon. For this reason, intermediate-perched and regional wells beneath Mortandad Canyon are included in the Chromium Investigation monitoring group. Other areas of contamination beneath Sandia and Mortandad Canyons may be associated with Mortandad Canyon sources. These sources and the migration pathways are described in the Sandia Canyon IR (LANL 2009, 107453).

2.0 SCOPE OF ACTIVITIES

The PME for the Mortandad and Sandia watersheds General Surveillance monitoring group was conducted pursuant to the 2011 IFGMP, Revision 1 (LANL 2011, 208811).

Table 2.0-1 provides the location name, sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge rate 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 2011 IFGMP, Revision 1 (LANL 2011, 208811).

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 Observations

The periodic monitoring water-level data for the previous 2 yr are presented in Appendix B (on CD included with this document). For wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements were recorded immediately before sampling. The groundwater-elevation measurements are shown graphically on Plate 1. No surface-water locations are sampled for this monitoring group.

3.4 Deviations from Planned Scope

Table 3.4-1 describes the fieldwork deviations from the planned scope of the PME. Table 3.4-2 presents a list of analytes for which the practical quantitation limits (PQLs) 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 PME are documented in the 2011 IFGMP, Revision 1 (LANL 2011, 208811). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737), and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling of purge water.

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

The required analytical laboratory batch quality control (QC) is defined by the analytical method, the analytical statement of work, and generally accepted laboratory practices. The analytical laboratory assigns qualifiers to the data to indicate the quality of the analytical results. The laboratory batch QC 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. For data collected before March 2012, validation was done by an independent contractor, Analytical Quality Associates, Inc. (AQA). After that date, validation is done by an automated process after data are loaded.

Data validation determines the quality of an analytical data set. Data validation focuses on specific quality assurance samples, such as matrix spikes, duplicates, surrogates, method banks, and laboratory control samples, and holding times, which indicate the accuracy and precision of the analyses. Based on the results, data qualifiers are applied to indicate data quality issues as well as the usability of results. This process also includes a description of the reasons for any failure to meet method, procedural, or contractual requirements and an evaluation of the impact of such failure on the overall data set.

AQA's reviews follow the guidelines set in the DOE model SOP for data validation, which includes reviewing the data quality and the documentation's correctness and completeness, verifying that holding times were met, and ensuring that analytical laboratory QC measures were applied, documented, and kept within contract requirements. As a result of secondary validation, a second set of qualifiers was assigned to the analytical results.

Auto validation (1) ensures that the electronic data deliverable contains all the required fields, (2) verifies that results of all QC checks and procedures are within valid criteria limits, and (3) applies specific qualifiers and reason codes per the EPA's National Functional Guidelines for data review as well as the Laboratory's SOPs. Once auto validation is complete, the data are uploaded into the Laboratory's database system and the public database (http://intellusnm.com/).

The Laboratory assigns detection status to the analytical result based on the analytical laboratory and secondary validation qualifiers. A detect flag of "N" indicates that, based on the qualifiers, the result was not detected.

4.2 Analytical Data

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

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

- All data
    - ❖ Data that are R-qualified (rejected because of noncompliance regarding QC acceptance criteria) during independent validation are considered unusable but are still reported.
    - ❖ Analytical laboratory QC results, including matrix spike and matrix spike duplicates, and field blanks, trip blanks, and equipment blanks are not included in the data set.
    - ❖ Field duplicates, reanalyses, and results from different analytical methods are reported.
- Radionuclides
    - ❖ Only cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
    - ❖ Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
    - ❖ Otherwise, all results are reported at all locations.
- Nonradionuclides
    - ❖ All detected results are reported.

Multiple analyses of a sample, including dilutions and reanalyses, create redundant results. These multiple results have the same sample ID, analytical laboratory code, and analytical method. The analytical and validation information is used to designate the preferred result, which is marked with a best value flag of "Y" (yes). The redundant values of lower quality are assigned a best value flag of "N" (no). In cases where a reanalysis gives a significantly different result than an earlier value, the original result may be rejected and assigned a best value flag of N, and the reanalysis result may be marked with a best value flag of Y. The best value flag is included in Appendix C.

Data for PMRs are evaluated using the following screening process. The sources of screening levels with which the results are compared are listed in Table 4.2-1.

- The base-flow monitoring locations are assigned to one of two screening categories—perennial or ephemeral. Along with a hardness value, this category determines the screening levels used for data at each monitoring location. Hardness-dependent screening levels used to screen data at each base-flow monitoring location are determined using the geometric mean of hardness data (mg/L as calcium carbonate) collected from 2006 to 2010 at each location. Hardness-dependent acute and chronic criteria were used for total aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements of 20 New Mexico Administrative Code (NMAC) 6.4.
- Surface-water and groundwater perchlorate data were compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order.
- Other groundwater data are screened to Groundwater Cleanup Levels described in Section VIII.A.1 of the Consent Order; for an individual substance, the lesser of the EPA MCL or the NMWQCC groundwater standard is used.
- If an NMWQCC standard or an MCL has not been established for a specific substance for which toxicological information is published, the EPA Regional Screening Levels for Tap Water (formerly Region 6 Screening Levels for Tap Water) are used as the Groundwater Cleanup Level. These screening levels are for either a cancer- or noncancer-risk type. The Consent Order specifies screening at a 10^{-5} excess cancer risk. The EPA screening levels are for 10^{-6} excess cancer risk, so 10 times the EPA 10^{-6} screening levels are used for screening.
- The NMWQCC groundwater standards apply to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants. EPA MCLs are applied to both filtered and unfiltered sample results.
- The analytical results for radioactivity are compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Guides (DCGs) for groundwater.

The results of data screening for this PMR are presented in Appendix D. This appendix shows all analytical results greater than half the lowest applicable screening levels. Results with a best value flag of N are included in Appendix D but not discussed in the text.

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

Graphs in Appendix E display concentration histories of analytes for locations where the analyte was above its screening level at least once during the three most recent PMEs. 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. Results with a best value flag of N are not included in Appendix E.

No analytes from the current PME exceeded their screening level at more than one sampling location, so no maps showing concentrations are included.

4.2.1 Surface Water (Base Flow)

No surface-water locations are included in this monitoring group.

4.2.2 Groundwater

Several samples collected before the current PME are included in this report. For alluvial well MCO-7, the March 22, 2012, and May 29, 2012, perchlorate concentrations were 7.47 µg/L and 7.06 µg/L, respectively. For the current PME, the August 14, 2012, perchlorate concentration was 6.23 µg/L. All three results were above the Consent Order screening level of 4 µg/L. Alluvial groundwater concentrations of perchlorate have decreased, especially near the outfall, following the removal of perchlorate from RLWTF effluent in March 2002.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the Mortandad and Sandia watersheds portion of the General Surveillance monitoring group are proposed at this time.

5.0 SUMMARY AND INTERPRETATIONS

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 are included in this monitoring group.

5.2.2 Groundwater

Two results from groundwater samples collected before this PME and one result from groundwater samples collected during this PME were above screening levels.

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

5.3 Data Gaps

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

5.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the Mortandad and Sandia watersheds General Surveillance monitoring group because no systems are installed in the monitoring group area.

6.0 REFERENCES

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

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

LANL (Los Alamos National Laboratory), September 1997. "Work Plan for Mortandad Canyon," Los Alamos National Laboratory document LA-UR-97-3291, Los Alamos, New Mexico. (LANL 1997, 056835)

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

LANL (Los Alamos National Laboratory), October 2009. "Investigation Report for Sandia Canyon," Los Alamos National Laboratory document LA-UR-09-6450, Los Alamos, New Mexico. (LANL 2009, 107453)

LANL (Los Alamos National Laboratory), December 2011. "2011 Interim Facility-Wide Groundwater Monitoring Plan, Revision 1," Los Alamos National Laboratory document LA-UR-11-6958, Los Alamos, New Mexico. (LANL 2011, 208811)

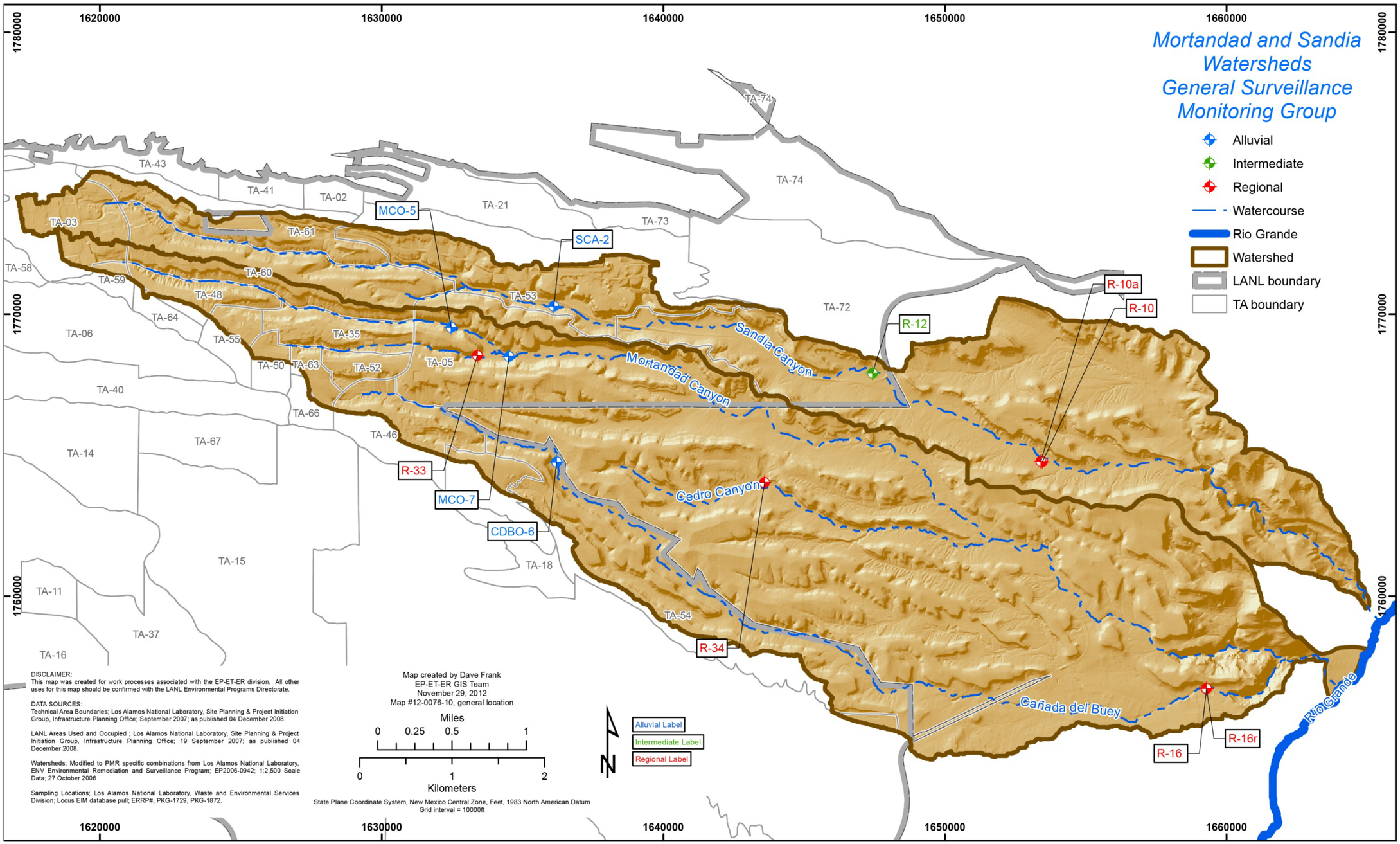


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

Table 2.0-1
Mortandad and Sandia Watersheds General Surveillance
Monitoring Group Locations and General Information

Location Name	Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge Rate (gpm[a])
Alluvial							
CDBO-6	08/15/12	10	34.0	44.0	n/a[b]	n/a	Dry[c]
MCO-5	08/15/12	25	21	46	n/a	n/a	Dry
MCO-7	08/15/12	30	39	69	9.9	10	0.09
SCA-2	08/09/12	4.7	10.3	15	n/a	n/a	Dry
Intermediate							
R-12 S1	08/20/12	8.5	459	467.5	34.5	197.5	1
R-12 S2	08/20/12	3.5	504.5	508	53.8	227	10.3
Regional							
R-10 S1	08/22/12	23	874	897	207.8	627	11.4
R-10 S2	08/22/12	23	1042	1065	130.8	396	11.3
R-10a	08/22/12	10	690	700	67	205	4.8
R-16 S2	08/09/12	7.5	863.4	870.9	217.82	655	5
R-16 S4	08/09/12	7.6	1237	1244.6	44.36	140	3
R-16r	08/09/12	17.6	600	617.6	54.6	169	5.1
R-33 S1	08/21/12	23	995.5	1018.5	75.6	228	3
R-33 S2	08/21/12	9.9	1112.4	1122.3	40.4	121.7	2.83
R-34	08/23/12	22.9	883.7	906.6	101.61	305.2	2.8

[a] gpm = Gallons per minute.

[b] n/a = Not applicable.

[c] See Table.3.4-1 for explanation.

Table 3.4-1
Mortandad and Sandia Watersheds General Surveillance
Monitoring Group PME Observations and Deviations

Location	Deviation	Cause	Comment
CDBO-6, MCO-5, SCA-2	Not sampled	Locations not sampled because they were dry	These locations will be sampled during the next scheduled PME.
CDBO-6, MCO-7, R-16 S2, R-16 S4, R-16r, R-33 S1, R-33 S2, R-12 S1, R-12 S2, and SCA-2	Volatile organic compounds and semivolatile organic compounds added to monitoring plan	NMED draft comments on the 2011 IFGMP, Revision 1	n/a*
MCO-5	Volatile organic compounds added to monitoring plan	NMED draft comments on the 2011 IFGMP, Revision 1	n/a

* n/a = Not applicable.

Table 3.4-2
Analytes with PQLs above Screening Levels

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
Herbicides						
94-74-6	MCPA[c]	12	53	18	µg/L	EPA Regional Tap
93-65-2	MCPP[d]	11	53	37	µg/L	EPA Regional Tap
Metals						
Be	Beryllium	1	5	4	µg/L	EPA MCL
Semivolatile Organic Compounds						
1912-24-9	Atrazine	3	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	3	10	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'-]	2	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	2.9	µg/L	EPA Regional Tap
123-91-1	Dioxane[1,4-]	2	10	6.7	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	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-]	3	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	NMWQCC Groundwater Standard

Table 3.4-2 (continued)

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
Volatile Organic Compounds						
107-02-8	Acrolein	1.3	5	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1	5	0.45	µg/L	EPA Regional Tap
126-99-8	Chloro-1,3-butadiene[2-]	0.3	1	0.16	µg/L	EPA Regional Tap
96-12-8	Dibromo-3-chloropropane[1,2-]	0.3	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
75-09-2	Methylene chloride	3	10	5	µg/L	EPA MCL
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.

[a] CAS = Chemical Abstracts Service.

[b] MDL = Method detection limit.

[c] MCPA = 2-Methyl-4-chlorophenoxyacetic acid.

[d] MCPP = 2-(4-Chloro-2-methylphenoxy)propanoic acid.

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

Standard Source	Standard Type	Groundwater	Surface Water
DOE Order 5400.5	DOE BCGs	n/a[a]	X[b]
DOE Order 5400.5	DOE 100-mrem Public Dose DCG	X	n/a
DOE Order 5400.5	DOE 4-mrem Drinking Water DCG	X	n/a
40 CFR[c] 141	EPA Primary Drinking Water Standard	X	n/a
EPA Regional Screening Levels for Chemical Contaminants at Superfund Sites	EPA Regional Screening Levels for Tap Water	X	n/a
20 NMAC.3.4	New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
20 NMAC 6.2	NMWQCC Groundwater Standard	X	n/a
20 NMAC 6.4	NMWQCC Irrigation Standard	n/a	X
20 NMAC 6.4	NMWQCC Livestock Watering Standard	n/a	X
20 NMAC 6.4	NMWQCC Wildlife Habitat Standard	n/a	X
20 NMAC 6.4	NMWQCC Aquatic Life Standards Acute	n/a	X
20 NMAC 6.4	NMWQCC Aquatic Life Standards Chronic	n/a	X
20 NMAC 6.4	NMWQCC Human Health Standard	n/a	X

[a] n/a = Not applicable.

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

[c] CFR = Code of Federal Regulations.

Table 4.2-2
Mortandad and Sandia Watersheds General Surveillance
Monitoring Group Groundwater Results above Screening Levels

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Alluvial Groundwater							
MCO-7	03/22/12	Perchlorate	F*	7.47	µg/L	4	Consent Order
MCO-7	05/29/12	Perchlorate	F	7.06	µg/L	4	Consent Order
MCO-7	08/14/12	Perchlorate	F	6.23	µg/L	4	Consent Order

* F = Filtered.

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCO-7	39	08/14/12	WG[a]	Dissolved Oxygen	7.89	mg/L	CAMO-12-21784
MCO-7	39	05/29/12	WG	Dissolved Oxygen	8.02	mg/L	CAMO-12-14054
MCO-7	39	03/22/12	WG	Dissolved Oxygen	8.27	mg/L	CAMO-12-12523
MCO-7	39	11/10/11	WG	Dissolved Oxygen	7.8	mg/L	CAMO-12-1459
MCO-7	39	08/03/11	WG	Dissolved Oxygen	8.02	mg/L	CAMO-11-24622
MCO-7	39	08/14/12	WG	Oxidation-Reduction Potential	249	mV	CAMO-12-21784
MCO-7	39	05/29/12	WG	Oxidation-Reduction Potential	277.9	mV	CAMO-12-14054
MCO-7	39	03/22/12	WG	Oxidation-Reduction Potential	210.7	mV	CAMO-12-12523
MCO-7	39	11/10/11	WG	Oxidation-Reduction Potential	208.4	mV	CAMO-12-1459
MCO-7	39	08/03/11	WG	Oxidation-Reduction Potential	295.1	mV	CAMO-11-24622
MCO-7	39	08/14/12	WG	pH	6.73	SU[b]	CAMO-12-21784
MCO-7	39	05/29/12	WG	pH	6.79	SU	CAMO-12-14054
MCO-7	39	03/22/12	WG	pH	6.77	SU	CAMO-12-12523
MCO-7	39	11/10/11	WG	pH	6.88	SU	CAMO-12-1459
MCO-7	39	08/03/11	WG	pH	6.74	SU	CAMO-11-24622
MCO-7	39	08/14/12	WG	Specific Conductance	479	µS/cm	CAMO-12-21784
MCO-7	39	05/29/12	WG	Specific Conductance	498	µS/cm	CAMO-12-14054
MCO-7	39	03/22/12	WG	Specific Conductance	526	µS/cm	CAMO-12-12523
MCO-7	39	11/10/11	WG	Specific Conductance	534	µS/cm	CAMO-12-1459
MCO-7	39	08/03/11	WG	Specific Conductance	587	µS/cm	CAMO-11-24622
MCO-7	39	08/14/12	WG	Temperature	11.29	deg C	CAMO-12-21784
MCO-7	39	05/29/12	WG	Temperature	12.74	deg C	CAMO-12-14054
MCO-7	39	03/22/12	WG	Temperature	9.8	deg C	CAMO-12-12523
MCO-7	39	11/10/11	WG	Temperature	9.95	deg C	CAMO-12-1459
MCO-7	39	08/03/11	WG	Temperature	11.02	deg C	CAMO-11-24622
MCO-7	39	08/14/12	WG	Turbidity	2.98	NTU[c]	CAMO-12-21784
MCO-7	39	05/29/12	WG	Turbidity	1.63	NTU	CAMO-12-14054
MCO-7	39	03/22/12	WG	Turbidity	6.01	NTU	CAMO-12-12523
MCO-7	39	11/10/11	WG	Turbidity	2.8	NTU	CAMO-12-1459

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCO-7	39	08/03/11	WG	Turbidity	3	NTU	CAMO-11-24622
R-10 S1	874	08/22/12	WG	Dissolved Oxygen	5.94	mg/L	CASA-12-21766
R-10 S1	874	08/09/11	WG	Dissolved Oxygen	6.01	mg/L	CASA-11-24769
R-10 S1	874	05/26/11	WG	Dissolved Oxygen	5.94	mg/L	CASA-11-10826
R-10 S1	874	02/15/11	WG	Dissolved Oxygen	6.02	mg/L	CASA-11-4571
R-10 S1	874	11/17/10	WG	Dissolved Oxygen	4.87	mg/L	CASA-11-1365
R-10 S1	874	08/22/12	WG	Oxidation-Reduction Potential	60.5	mV	CASA-12-21766
R-10 S1	874	08/09/11	WG	Oxidation-Reduction Potential	162	mV	CASA-11-24769
R-10 S1	874	05/26/11	WG	Oxidation-Reduction Potential	181.1	mV	CASA-11-10826
R-10 S1	874	02/15/11	WG	Oxidation-Reduction Potential	112.6	mV	CASA-11-4571
R-10 S1	874	11/17/10	WG	Oxidation-Reduction Potential	161	mV	CASA-11-1365
R-10 S1	874	08/22/12	WG	pH	9.02	SU	CASA-12-21766
R-10 S1	874	08/09/11	WG	pH	8.17	SU	CASA-11-24769
R-10 S1	874	05/26/11	WG	pH	8.16	SU	CASA-11-10826
R-10 S1	874	02/15/11	WG	pH	8.12	SU	CASA-11-4571
R-10 S1	874	11/17/10	WG	pH	7.99	SU	CASA-11-1365
R-10 S1	874	08/22/12	WG	Specific Conductance	157	µS/cm	CASA-12-21766
R-10 S1	874	08/09/11	WG	Specific Conductance	182	µS/cm	CASA-11-24769
R-10 S1	874	05/26/11	WG	Specific Conductance	18.6	µS/cm	CASA-11-10826
R-10 S1	874	02/15/11	WG	Specific Conductance	185	µS/cm	CASA-11-4571
R-10 S1	874	11/17/10	WG	Specific Conductance	184	µS/cm	CASA-11-1365
R-10 S1	874	08/22/12	WG	Temperature	23.35	deg C	CASA-12-21766
R-10 S1	874	08/09/11	WG	Temperature	24.01	deg C	CASA-11-24769
R-10 S1	874	05/26/11	WG	Temperature	23.73	deg C	CASA-11-10826
R-10 S1	874	02/15/11	WG	Temperature	23.39	deg C	CASA-11-4571
R-10 S1	874	11/17/10	WG	Temperature	23.7	deg C	CASA-11-1365
R-10 S1	874	08/22/12	WG	Turbidity	0.35	NTU	CASA-12-21766
R-10 S1	874	08/09/11	WG	Turbidity	0.43	NTU	CASA-11-24769
R-10 S1	874	05/26/11	WG	Turbidity	0.21	NTU	CASA-11-10826

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10 S1	874	02/15/11	WG	Turbidity	0.34	NTU	CASA-11-4571
R-10 S1	874	11/17/10	WG	Turbidity	0.35	NTU	CASA-11-1365
R-10 S2	1042	08/22/12	WG	Dissolved Oxygen	6.28	mg/L	CASA-12-21767
R-10 S2	1042	08/09/11	WG	Dissolved Oxygen	6.16	mg/L	CASA-11-24773
R-10 S2	1042	02/15/11	WG	Dissolved Oxygen	6.25	mg/L	CASA-11-4573
R-10 S2	1042	11/17/10	WG	Dissolved Oxygen	5.36	mg/L	CASA-11-1367
R-10 S2	1042	07/08/10	WG	Dissolved Oxygen	5.02	mg/L	CASA-10-22718
R-10 S2	1042	08/22/12	WG	Oxidation-Reduction Potential	65.2	mV	CASA-12-21767
R-10 S2	1042	08/09/11	WG	Oxidation-Reduction Potential	156.1	mV	CASA-11-24773
R-10 S2	1042	02/15/11	WG	Oxidation-Reduction Potential	115.8	mV	CASA-11-4573
R-10 S2	1042	11/17/10	WG	Oxidation-Reduction Potential	285.3	mV	CASA-11-1367
R-10 S2	1042	07/08/10	WG	Oxidation-Reduction Potential	54.6	mV	CASA-10-22718
R-10 S2	1042	08/22/12	WG	pH	8.97	SU	CASA-12-21767
R-10 S2	1042	08/09/11	WG	pH	8.09	SU	CASA-11-24773
R-10 S2	1042	02/15/11	WG	pH	8.06	SU	CASA-11-4573
R-10 S2	1042	11/17/10	WG	pH	7.99	SU	CASA-11-1367
R-10 S2	1042	07/08/10	WG	pH	7.78	SU	CASA-10-22718
R-10 S2	1042	08/22/12	WG	Specific Conductance	176	µS/cm	CASA-12-21767
R-10 S2	1042	08/09/11	WG	Specific Conductance	203	µS/cm	CASA-11-24773
R-10 S2	1042	02/15/11	WG	Specific Conductance	205	µS/cm	CASA-11-4573
R-10 S2	1042	11/17/10	WG	Specific Conductance	202	µS/cm	CASA-11-1367
R-10 S2	1042	07/08/10	WG	Specific Conductance	178	µS/cm	CASA-10-22718
R-10 S2	1042	08/22/12	WG	Temperature	24.87	deg C	CASA-12-21767
R-10 S2	1042	08/09/11	WG	Temperature	25.25	deg C	CASA-11-24773
R-10 S2	1042	02/15/11	WG	Temperature	24.73	deg C	CASA-11-4573
R-10 S2	1042	11/17/10	WG	Temperature	24.05	deg C	CASA-11-1367
R-10 S2	1042	07/08/10	WG	Temperature	23.92	deg C	CASA-10-22718
R-10 S2	1042	08/22/12	WG	Turbidity	0.86	NTU	CASA-12-21767
R-10 S2	1042	08/09/11	WG	Turbidity	0.72	NTU	CASA-11-24773

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10 S2	1042	02/15/11	WG	Turbidity	0.6	NTU	CASA-11-4573
R-10 S2	1042	11/17/10	WG	Turbidity	1.1	NTU	CASA-11-1367
R-10 S2	1042	07/08/10	WG	Turbidity	0.23	NTU	CASA-10-22718
R-10a	690	08/22/12	WG	Dissolved Oxygen	5.16	mg/L	CASA-12-21768
R-10a	690	08/09/11	WG	Dissolved Oxygen	5.32	mg/L	CASA-11-24757
R-10a	690	08/09/11	WG	Dissolved Oxygen	5.36	mg/L	CASA-11-24759
R-10a	690	08/09/11	WG	Dissolved Oxygen	5.43	mg/L	CASA-11-24777
R-10a	690	08/09/11	WG	Dissolved Oxygen	4.79	mg/L	CASA-11-24745
R-10a	690	08/09/11	WG	Dissolved Oxygen	5.37	mg/L	CASA-11-24747
R-10a	690	08/09/11	WG	Dissolved Oxygen	5.2	mg/L	CASA-11-24749
R-10a	690	05/26/11	WG	Dissolved Oxygen	5.93	mg/L	CASA-11-10830
R-10a	690	05/26/11	WG	Dissolved Oxygen	5.15	mg/L	CASA-11-11627
R-10a	690	05/26/11	WG	Dissolved Oxygen	5.8	mg/L	CASA-11-11629
R-10a	690	05/26/11	WG	Dissolved Oxygen	5.82	mg/L	CASA-11-11631
R-10a	690	02/15/11	WG	Dissolved Oxygen	5.77	mg/L	CASA-11-4576
R-10a	690	11/09/10	WG	Dissolved Oxygen	5.86	mg/L	CASA-11-1368
R-10a	690	08/22/12	WG	Oxidation-Reduction Potential	188.9	mV	CASA-12-21768
R-10a	690	08/09/11	WG	Oxidation-Reduction Potential	226	mV	CASA-11-24757
R-10a	690	08/09/11	WG	Oxidation-Reduction Potential	229.2	mV	CASA-11-24759
R-10a	690	08/09/11	WG	Oxidation-Reduction Potential	229.7	mV	CASA-11-24777
R-10a	690	08/09/11	WG	Oxidation-Reduction Potential	219.2	mV	CASA-11-24745
R-10a	690	08/09/11	WG	Oxidation-Reduction Potential	221.5	mV	CASA-11-24747
R-10a	690	08/09/11	WG	Oxidation-Reduction Potential	223.7	mV	CASA-11-24749
R-10a	690	05/26/11	WG	Oxidation-Reduction Potential	254.1	mV	CASA-11-10830
R-10a	690	05/26/11	WG	Oxidation-Reduction Potential	250.4	mV	CASA-11-11627
R-10a	690	05/26/11	WG	Oxidation-Reduction Potential	252.5	mV	CASA-11-11629
R-10a	690	05/26/11	WG	Oxidation-Reduction Potential	255.2	mV	CASA-11-11631
R-10a	690	02/15/11	WG	Oxidation-Reduction Potential	138.1	mV	CASA-11-4576
R-10a	690	11/09/10	WG	Oxidation-Reduction Potential	436.7	mV	CASA-11-1368

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10a	690	08/22/12	WG	pH	7.9	SU	CASA-12-21768
R-10a	690	08/09/11	WG	pH	7.96	SU	CASA-11-24757
R-10a	690	08/09/11	WG	pH	7.94	SU	CASA-11-24759
R-10a	690	08/09/11	WG	pH	7.94	SU	CASA-11-24777
R-10a	690	08/09/11	WG	pH	7.95	SU	CASA-11-24745
R-10a	690	08/09/11	WG	pH	7.96	SU	CASA-11-24747
R-10a	690	08/09/11	WG	pH	7.96	SU	CASA-11-24749
R-10a	690	05/26/11	WG	pH	7.97	SU	CASA-11-10830
R-10a	690	05/26/11	WG	pH	7.87	SU	CASA-11-11627
R-10a	690	05/26/11	WG	pH	7.99	SU	CASA-11-11629
R-10a	690	05/26/11	WG	pH	7.98	SU	CASA-11-11631
R-10a	690	02/15/11	WG	pH	8.01	SU	CASA-11-4576
R-10a	690	11/09/10	WG	pH	7.87	SU	CASA-11-1368
R-10a	690	08/22/12	WG	Specific Conductance	218	µS/cm	CASA-12-21768
R-10a	690	08/09/11	WG	Specific Conductance	204	µS/cm	CASA-11-24757
R-10a	690	08/09/11	WG	Specific Conductance	234	µS/cm	CASA-11-24759
R-10a	690	08/09/11	WG	Specific Conductance	233	µS/cm	CASA-11-24777
R-10a	690	08/09/11	WG	Specific Conductance	214	µS/cm	CASA-11-24745
R-10a	690	08/09/11	WG	Specific Conductance	203	µS/cm	CASA-11-24747
R-10a	690	08/09/11	WG	Specific Conductance	219	µS/cm	CASA-11-24749
R-10a	690	05/26/11	WG	Specific Conductance	191	µS/cm	CASA-11-10830
R-10a	690	05/26/11	WG	Specific Conductance	220	µS/cm	CASA-11-11627
R-10a	690	05/26/11	WG	Specific Conductance	204	µS/cm	CASA-11-11629
R-10a	690	05/26/11	WG	Specific Conductance	193	µS/cm	CASA-11-11631
R-10a	690	02/15/11	WG	Specific Conductance	190	µS/cm	CASA-11-4576
R-10a	690	11/09/10	WG	Specific Conductance	230	µS/cm	CASA-11-1368
R-10a	690	08/22/12	WG	Temperature	21.08	deg C	CASA-12-21768
R-10a	690	08/09/11	WG	Temperature	21.91	deg C	CASA-11-24757
R-10a	690	08/09/11	WG	Temperature	21.72	deg C	CASA-11-24759

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10a	690	08/09/11	WG	Temperature	21.73	deg C	CASA-11-24777
R-10a	690	08/09/11	WG	Temperature	21.3	deg C	CASA-11-24745
R-10a	690	08/09/11	WG	Temperature	21.58	deg C	CASA-11-24747
R-10a	690	08/09/11	WG	Temperature	21.72	deg C	CASA-11-24749
R-10a	690	05/26/11	WG	Temperature	21.27	deg C	CASA-11-10830
R-10a	690	05/26/11	WG	Temperature	20.52	deg C	CASA-11-11627
R-10a	690	05/26/11	WG	Temperature	20.99	deg C	CASA-11-11629
R-10a	690	05/26/11	WG	Temperature	21.18	deg C	CASA-11-11631
R-10a	690	02/15/11	WG	Temperature	20.43	deg C	CASA-11-4576
R-10a	690	11/09/10	WG	Temperature	20.83	deg C	CASA-11-1368
R-10a	690	08/22/12	WG	Turbidity	0.84	NTU	CASA-12-21768
R-10a	690	08/09/11	WG	Turbidity	0.41	NTU	CASA-11-24757
R-10a	690	08/09/11	WG	Turbidity	0.23	NTU	CASA-11-24759
R-10a	690	08/09/11	WG	Turbidity	1.86	NTU	CASA-11-24777
R-10a	690	08/09/11	WG	Turbidity	0.35	NTU	CASA-11-24745
R-10a	690	08/09/11	WG	Turbidity	0.83	NTU	CASA-11-24747
R-10a	690	08/09/11	WG	Turbidity	0.57	NTU	CASA-11-24749
R-10a	690	05/26/11	WG	Turbidity	1.18	NTU	CASA-11-10830
R-10a	690	05/26/11	WG	Turbidity	0.56	NTU	CASA-11-11627
R-10a	690	05/26/11	WG	Turbidity	0.24	NTU	CASA-11-11629
R-10a	690	05/26/11	WG	Turbidity	0.84	NTU	CASA-11-11631
R-10a	690	02/15/11	WG	Turbidity	2.89	NTU	CASA-11-4576
R-10a	690	11/09/10	WG	Turbidity	0.44	NTU	CASA-11-1368
R-12 S1	459	08/20/12	WG	Dissolved Oxygen	0.27	mg/L	CASA-12-21769
R-12 S1	459	06/03/11	WG	Dissolved Oxygen	0.2	mg/L	CASA-11-11638
R-12 S1	459	06/03/11	WG	Dissolved Oxygen	0.24	mg/L	CASA-11-10823
R-12 S1	459	06/03/11	WG	Dissolved Oxygen	0.25	mg/L	CASA-11-11633
R-12 S1	459	06/03/11	WG	Dissolved Oxygen	0.22	mg/L	CASA-11-11635
R-12 S1	459	11/17/10	WG	Dissolved Oxygen	0.45	mg/L	CASA-11-1356

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-12 S1	459	05/05/10	WG	Dissolved Oxygen	0.23	mg/L	CASA-10-16747
R-12 S1	459	02/09/10	WG	Dissolved Oxygen	0.17	mg/L	CASA-10-9446
R-12 S1	459	08/20/12	WG	Oxidation-Reduction Potential	-164.1	mV	CASA-12-21769
R-12 S1	459	06/03/11	WG	Oxidation-Reduction Potential	-193	mV	CASA-11-11638
R-12 S1	459	06/03/11	WG	Oxidation-Reduction Potential	-177.3	mV	CASA-11-10823
R-12 S1	459	06/03/11	WG	Oxidation-Reduction Potential	-219.4	mV	CASA-11-11633
R-12 S1	459	06/03/11	WG	Oxidation-Reduction Potential	-203.1	mV	CASA-11-11635
R-12 S1	459	11/17/10	WG	Oxidation-Reduction Potential	-174.2	mV	CASA-11-1356
R-12 S1	459	05/05/10	WG	Oxidation-Reduction Potential	-145.9	mV	CASA-10-16747
R-12 S1	459	02/09/10	WG	Oxidation-Reduction Potential	-25.4	mV	CASA-10-9446
R-12 S1	459	08/20/12	WG	pH	8.33	SU	CASA-12-21769
R-12 S1	459	06/03/11	WG	pH	8.33	SU	CASA-11-11638
R-12 S1	459	06/03/11	WG	pH	8.32	SU	CASA-11-10823
R-12 S1	459	06/03/11	WG	pH	8.35	SU	CASA-11-11633
R-12 S1	459	06/03/11	WG	pH	8.36	SU	CASA-11-11635
R-12 S1	459	11/17/10	WG	pH	8.14	SU	CASA-11-1356
R-12 S1	459	05/05/10	WG	pH	7.97	SU	CASA-10-16747
R-12 S1	459	02/09/10	WG	pH	7.94	SU	CASA-10-9446
R-12 S1	459	08/20/12	WG	Specific Conductance	272	µS/cm	CASA-12-21769
R-12 S1	459	06/03/11	WG	Specific Conductance	191	µS/cm	CASA-11-11638
R-12 S1	459	06/03/11	WG	Specific Conductance	229	µS/cm	CASA-11-10823
R-12 S1	459	06/03/11	WG	Specific Conductance	157	µS/cm	CASA-11-11633
R-12 S1	459	06/03/11	WG	Specific Conductance	168	µS/cm	CASA-11-11635
R-12 S1	459	11/17/10	WG	Specific Conductance	237	µS/cm	CASA-11-1356
R-12 S1	459	05/05/10	WG	Specific Conductance	244	µS/cm	CASA-10-16747
R-12 S1	459	02/09/10	WG	Specific Conductance	220	µS/cm	CASA-10-9446
R-12 S1	459	08/20/12	WG	Temperature	17.67	deg C	CASA-12-21769
R-12 S1	459	06/03/11	WG	Temperature	18.12	deg C	CASA-11-11638
R-12 S1	459	06/03/11	WG	Temperature	18.18	deg C	CASA-11-10823

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-12 S1	459	06/03/11	WG	Temperature	18.01	deg C	CASA-11-11633
R-12 S1	459	06/03/11	WG	Temperature	18.07	deg C	CASA-11-11635
R-12 S1	459	11/17/10	WG	Temperature	17.7	deg C	CASA-11-1356
R-12 S1	459	05/05/10	WG	Temperature	18.07	deg C	CASA-10-16747
R-12 S1	459	02/09/10	WG	Temperature	17.18	deg C	CASA-10-9446
R-12 S1	459	08/20/12	WG	Turbidity	0.31	NTU	CASA-12-21769
R-12 S1	459	06/03/11	WG	Turbidity	0.33	NTU	CASA-11-11638
R-12 S1	459	06/03/11	WG	Turbidity	0.34	NTU	CASA-11-10823
R-12 S1	459	06/03/11	WG	Turbidity	0.37	NTU	CASA-11-11633
R-12 S1	459	06/03/11	WG	Turbidity	0.24	NTU	CASA-11-11635
R-12 S1	459	11/17/10	WG	Turbidity	0.58	NTU	CASA-11-1356
R-12 S1	459	05/05/10	WG	Turbidity	0.57	NTU	CASA-10-16747
R-12 S1	459	02/09/10	WG	Turbidity	1.2	NTU	CASA-10-9446
R-12 S2	504.5	08/20/12	WG	Dissolved Oxygen	4.55	mg/L	CASA-12-21770
R-12 S2	504.5	05/26/11	WG	Dissolved Oxygen	3.95	mg/L	CASA-11-11642
R-12 S2	504.5	05/26/11	WG	Dissolved Oxygen	3.94	mg/L	CASA-11-11643
R-12 S2	504.5	05/26/11	WG	Dissolved Oxygen	4.42	mg/L	CASA-11-11665
R-12 S2	504.5	05/26/11	WG	Dissolved Oxygen	4.41	mg/L	CASA-11-10824
R-12 S2	504.5	05/26/11	WG	Dissolved Oxygen	2.39	mg/L	CASA-11-11639
R-12 S2	504.5	05/26/11	WG	Dissolved Oxygen	4.43	mg/L	CASA-11-11664
R-12 S2	504.5	11/17/10	WG	Dissolved Oxygen	3.27	mg/L	CASA-11-1359
R-12 S2	504.5	05/17/10	WG	Dissolved Oxygen	2.79	mg/L	CASA-10-16749
R-12 S2	504.5	02/09/10	WG	Dissolved Oxygen	3.01	mg/L	CASA-10-9447
R-12 S2	504.5	08/20/12	WG	Oxidation-Reduction Potential	-9.3	mV	CASA-12-21770
R-12 S2	504.5	05/26/11	WG	Oxidation-Reduction Potential	-23.9	mV	CASA-11-11642
R-12 S2	504.5	05/26/11	WG	Oxidation-Reduction Potential	-4.7	mV	CASA-11-11643
R-12 S2	504.5	05/26/11	WG	Oxidation-Reduction Potential	-1.5	mV	CASA-11-11665
R-12 S2	504.5	05/26/11	WG	Oxidation-Reduction Potential	2.5	mV	CASA-11-10824
R-12 S2	504.5	05/26/11	WG	Oxidation-Reduction Potential	9.8	mV	CASA-11-11639

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-12 S2	504.5	05/26/11	WG	Oxidation-Reduction Potential	-1.7	mV	CASA-11-11664
R-12 S2	504.5	11/17/10	WG	Oxidation-Reduction Potential	5.1	mV	CASA-11-1359
R-12 S2	504.5	05/17/10	WG	Oxidation-Reduction Potential	354.3	mV	CASA-10-16749
R-12 S2	504.5	02/09/10	WG	Oxidation-Reduction Potential	77.8	mV	CASA-10-9447
R-12 S2	504.5	08/20/12	WG	pH	8.31	SU	CASA-12-21770
R-12 S2	504.5	05/26/11	WG	pH	8.26	SU	CASA-11-11642
R-12 S2	504.5	05/26/11	WG	pH	8.29	SU	CASA-11-11643
R-12 S2	504.5	05/26/11	WG	pH	8.3	SU	CASA-11-11665
R-12 S2	504.5	05/26/11	WG	pH	8.31	SU	CASA-11-10824
R-12 S2	504.5	05/26/11	WG	pH	8	SU	CASA-11-11639
R-12 S2	504.5	05/26/11	WG	pH	8.3	SU	CASA-11-11664
R-12 S2	504.5	11/17/10	WG	pH	8.25	SU	CASA-11-1359
R-12 S2	504.5	05/17/10	WG	pH	8.13	SU	CASA-10-16749
R-12 S2	504.5	02/09/10	WG	pH	8.05	SU	CASA-10-9447
R-12 S2	504.5	08/20/12	WG	Specific Conductance	171	µS/cm	CASA-12-21770
R-12 S2	504.5	05/26/11	WG	Specific Conductance	164	µS/cm	CASA-11-11642
R-12 S2	504.5	05/26/11	WG	Specific Conductance	164	µS/cm	CASA-11-11643
R-12 S2	504.5	05/26/11	WG	Specific Conductance	174	µS/cm	CASA-11-11665
R-12 S2	504.5	05/26/11	WG	Specific Conductance	173	µS/cm	CASA-11-10824
R-12 S2	504.5	05/26/11	WG	Specific Conductance	164	µS/cm	CASA-11-11639
R-12 S2	504.5	05/26/11	WG	Specific Conductance	174	µS/cm	CASA-11-11664
R-12 S2	504.5	11/17/10	WG	Specific Conductance	170	µS/cm	CASA-11-1359
R-12 S2	504.5	05/17/10	WG	Specific Conductance	164	µS/cm	CASA-10-16749
R-12 S2	504.5	02/09/10	WG	Specific Conductance	167	µS/cm	CASA-10-9447
R-12 S2	504.5	08/20/12	WG	Temperature	19.86	deg C	CASA-12-21770
R-12 S2	504.5	05/26/11	WG	Temperature	20.14	deg C	CASA-11-11642
R-12 S2	504.5	05/26/11	WG	Temperature	20.42	deg C	CASA-11-11643
R-12 S2	504.5	05/26/11	WG	Temperature	20.39	deg C	CASA-11-11665
R-12 S2	504.5	05/26/11	WG	Temperature	20.48	deg C	CASA-11-10824

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-12 S2	504.5	05/26/11	WG	Temperature	18.58	deg C	CASA-11-11639
R-12 S2	504.5	05/26/11	WG	Temperature	20.44	deg C	CASA-11-11664
R-12 S2	504.5	11/17/10	WG	Temperature	19.2	deg C	CASA-11-1359
R-12 S2	504.5	05/17/10	WG	Temperature	20.63	deg C	CASA-10-16749
R-12 S2	504.5	02/09/10	WG	Temperature	18.77	deg C	CASA-10-9447
R-12 S2	504.5	08/20/12	WG	Turbidity	0.82	NTU	CASA-12-21770
R-12 S2	504.5	05/26/11	WG	Turbidity	0.59	NTU	CASA-11-11642
R-12 S2	504.5	05/26/11	WG	Turbidity	0.66	NTU	CASA-11-11643
R-12 S2	504.5	05/26/11	WG	Turbidity	0.06	NTU	CASA-11-11665
R-12 S2	504.5	05/26/11	WG	Turbidity	0.03	NTU	CASA-11-10824
R-12 S2	504.5	05/26/11	WG	Turbidity	1.41	NTU	CASA-11-11639
R-12 S2	504.5	05/26/11	WG	Turbidity	0.27	NTU	CASA-11-11664
R-12 S2	504.5	11/17/10	WG	Turbidity	0.38	NTU	CASA-11-1359
R-12 S2	504.5	05/17/10	WG	Turbidity	0.63	NTU	CASA-10-16749
R-12 S2	504.5	02/09/10	WG	Turbidity	0.88	NTU	CASA-10-9447
R-16 S2	863.4	08/09/12	WG	Dissolved Oxygen	5.85	mg/L	CAMO-12-21785
R-16 S2	863.4	08/18/11	WG	Dissolved Oxygen	5.07	mg/L	CAMO-11-24502
R-16 S2	863.4	08/18/11	WG	Dissolved Oxygen	5.64	mg/L	CAMO-11-24504
R-16 S2	863.4	08/18/11	WG	Dissolved Oxygen	5.83	mg/L	CAMO-11-24691
R-16 S2	863.4	08/18/11	WG	Dissolved Oxygen	5.82	mg/L	CAMO-11-24506
R-16 S2	863.4	05/27/11	WG	Dissolved Oxygen	5.53	mg/L	CAMO-11-11326
R-16 S2	863.4	05/27/11	WG	Dissolved Oxygen	4.96	mg/L	CAMO-11-11323
R-16 S2	863.4	05/27/11	WG	Dissolved Oxygen	5.53	mg/L	CAMO-11-11325
R-16 S2	863.4	05/27/11	WG	Dissolved Oxygen	5.78	mg/L	CAMO-11-11327
R-16 S2	863.4	02/16/11	WG	Dissolved Oxygen	5.63	mg/L	CAMO-11-4641
R-16 S2	863.4	11/17/10	WG	Dissolved Oxygen	4.58	mg/L	CAMO-11-1288
R-16 S2	863.4	08/09/12	WG	Oxidation-Reduction Potential	106.8	mV	CAMO-12-21785
R-16 S2	863.4	08/18/11	WG	Oxidation-Reduction Potential	60.2	mV	CAMO-11-24502
R-16 S2	863.4	08/18/11	WG	Oxidation-Reduction Potential	128	mV	CAMO-11-24504

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16 S2	863.4	08/18/11	WG	Oxidation-Reduction Potential	145.6	mV	CAMO-11-24691
R-16 S2	863.4	08/18/11	WG	Oxidation-Reduction Potential	145.6	mV	CAMO-11-24506
R-16 S2	863.4	05/27/11	WG	Oxidation-Reduction Potential	94.8	mV	CAMO-11-11326
R-16 S2	863.4	05/27/11	WG	Oxidation-Reduction Potential	42.6	mV	CAMO-11-11323
R-16 S2	863.4	05/27/11	WG	Oxidation-Reduction Potential	94.8	mV	CAMO-11-11325
R-16 S2	863.4	05/27/11	WG	Oxidation-Reduction Potential	115.2	mV	CAMO-11-11327
R-16 S2	863.4	02/16/11	WG	Oxidation-Reduction Potential	81.6	mV	CAMO-11-4641
R-16 S2	863.4	11/17/10	WG	Oxidation-Reduction Potential	334.6	mV	CAMO-11-1288
R-16 S2	863.4	08/09/12	WG	pH	8.27	SU	CAMO-12-21785
R-16 S2	863.4	08/18/11	WG	pH	8.24	SU	CAMO-11-24502
R-16 S2	863.4	08/18/11	WG	pH	8.22	SU	CAMO-11-24504
R-16 S2	863.4	08/18/11	WG	pH	8.21	SU	CAMO-11-24691
R-16 S2	863.4	08/18/11	WG	pH	8.21	SU	CAMO-11-24506
R-16 S2	863.4	05/27/11	WG	pH	8.17	SU	CAMO-11-11326
R-16 S2	863.4	05/27/11	WG	pH	8.19	SU	CAMO-11-11323
R-16 S2	863.4	05/27/11	WG	pH	8.17	SU	CAMO-11-11325
R-16 S2	863.4	05/27/11	WG	pH	8.16	SU	CAMO-11-11327
R-16 S2	863.4	02/16/11	WG	pH	8.21	SU	CAMO-11-4641
R-16 S2	863.4	11/17/10	WG	pH	7.96	SU	CAMO-11-1288
R-16 S2	863.4	08/09/12	WG	Specific Conductance	174	µS/cm	CAMO-12-21785
R-16 S2	863.4	08/18/11	WG	Specific Conductance	176	µS/cm	CAMO-11-24502
R-16 S2	863.4	08/18/11	WG	Specific Conductance	175	µS/cm	CAMO-11-24504
R-16 S2	863.4	08/18/11	WG	Specific Conductance	174	µS/cm	CAMO-11-24691
R-16 S2	863.4	08/18/11	WG	Specific Conductance	174	µS/cm	CAMO-11-24506
R-16 S2	863.4	05/27/11	WG	Specific Conductance	181	µS/cm	CAMO-11-11326
R-16 S2	863.4	05/27/11	WG	Specific Conductance	184	µS/cm	CAMO-11-11323
R-16 S2	863.4	05/27/11	WG	Specific Conductance	181	µS/cm	CAMO-11-11325
R-16 S2	863.4	05/27/11	WG	Specific Conductance	180	µS/cm	CAMO-11-11327
R-16 S2	863.4	02/16/11	WG	Specific Conductance	164	µS/cm	CAMO-11-4641

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16 S2	863.4	11/17/10	WG	Specific Conductance	178	µS/cm	CAMO-11-1288
R-16 S2	863.4	08/09/12	WG	Temperature	23.63	deg C	CAMO-12-21785
R-16 S2	863.4	08/18/11	WG	Temperature	22.12	deg C	CAMO-11-24502
R-16 S2	863.4	08/18/11	WG	Temperature	22.41	deg C	CAMO-11-24504
R-16 S2	863.4	08/18/11	WG	Temperature	22.59	deg C	CAMO-11-24691
R-16 S2	863.4	08/18/11	WG	Temperature	22.59	deg C	CAMO-11-24506
R-16 S2	863.4	05/27/11	WG	Temperature	22.92	deg C	CAMO-11-11326
R-16 S2	863.4	05/27/11	WG	Temperature	22.89	deg C	CAMO-11-11323
R-16 S2	863.4	05/27/11	WG	Temperature	22.92	deg C	CAMO-11-11325
R-16 S2	863.4	05/27/11	WG	Temperature	23.06	deg C	CAMO-11-11327
R-16 S2	863.4	02/16/11	WG	Temperature	22.53	deg C	CAMO-11-4641
R-16 S2	863.4	11/17/10	WG	Temperature	20.54	deg C	CAMO-11-1288
R-16 S2	863.4	08/09/12	WG	Turbidity	0.48	NTU	CAMO-12-21785
R-16 S2	863.4	08/18/11	WG	Turbidity	0.1	NTU	CAMO-11-24502
R-16 S2	863.4	08/18/11	WG	Turbidity	0.24	NTU	CAMO-11-24504
R-16 S2	863.4	08/18/11	WG	Turbidity	0.25	NTU	CAMO-11-24691
R-16 S2	863.4	08/18/11	WG	Turbidity	0.25	NTU	CAMO-11-24506
R-16 S2	863.4	05/27/11	WG	Turbidity	0.38	NTU	CAMO-11-11326
R-16 S2	863.4	05/27/11	WG	Turbidity	0.52	NTU	CAMO-11-11323
R-16 S2	863.4	05/27/11	WG	Turbidity	0.38	NTU	CAMO-11-11325
R-16 S2	863.4	05/27/11	WG	Turbidity	0.44	NTU	CAMO-11-11327
R-16 S2	863.4	02/16/11	WG	Turbidity	0.34	NTU	CAMO-11-4641
R-16 S2	863.4	11/17/10	WG	Turbidity	0.24	NTU	CAMO-11-1288
R-16 S4	1237	08/09/12	WG	Dissolved Oxygen	2.85	mg/L	CAMO-12-21786
R-16 S4	1237	08/18/11	WG	Dissolved Oxygen	2.25	mg/L	CAMO-11-24689
R-16 S4	1237	08/18/11	WG	Dissolved Oxygen	0.94	mg/L	CAMO-11-24510
R-16 S4	1237	08/18/11	WG	Dissolved Oxygen	2.03	mg/L	CAMO-11-24512
R-16 S4	1237	08/18/11	WG	Dissolved Oxygen	0.33	mg/L	CAMO-11-24508
R-16 S4	1237	05/27/11	WG	Dissolved Oxygen	1.32	mg/L	CAMO-11-11331

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16 S4	1237	05/27/11	WG	Dissolved Oxygen	2.24	mg/L	CAMO-11-10760
R-16 S4	1237	05/27/11	WG	Dissolved Oxygen	2.39	mg/L	CAMO-11-11334
R-16 S4	1237	02/16/11	WG	Dissolved Oxygen	2.2	mg/L	CAMO-11-4644
R-16 S4	1237	11/17/10	WG	Dissolved Oxygen	2.28	mg/L	CAMO-11-1305
R-16 S4	1237	08/09/12	WG	Oxidation-Reduction Potential	54.2	mV	CAMO-12-21786
R-16 S4	1237	08/18/11	WG	Oxidation-Reduction Potential	148.8	mV	CAMO-11-24689
R-16 S4	1237	08/18/11	WG	Oxidation-Reduction Potential	136.4	mV	CAMO-11-24510
R-16 S4	1237	08/18/11	WG	Oxidation-Reduction Potential	146.4	mV	CAMO-11-24512
R-16 S4	1237	08/18/11	WG	Oxidation-Reduction Potential	120.5	mV	CAMO-11-24508
R-16 S4	1237	05/27/11	WG	Oxidation-Reduction Potential	10.4	mV	CAMO-11-11331
R-16 S4	1237	05/27/11	WG	Oxidation-Reduction Potential	58.8	mV	CAMO-11-10760
R-16 S4	1237	05/27/11	WG	Oxidation-Reduction Potential	65.3	mV	CAMO-11-11334
R-16 S4	1237	02/16/11	WG	Oxidation-Reduction Potential	62.6	mV	CAMO-11-4644
R-16 S4	1237	11/17/10	WG	Oxidation-Reduction Potential	433	mV	CAMO-11-1305
R-16 S4	1237	08/09/12	WG	pH	8.18	SU	CAMO-12-21786
R-16 S4	1237	08/18/11	WG	pH	8.17	SU	CAMO-11-24689
R-16 S4	1237	08/18/11	WG	pH	8.14	SU	CAMO-11-24510
R-16 S4	1237	08/18/11	WG	pH	8.17	SU	CAMO-11-24512
R-16 S4	1237	08/18/11	WG	pH	8.37	SU	CAMO-11-24508
R-16 S4	1237	05/27/11	WG	pH	8.15	SU	CAMO-11-11331
R-16 S4	1237	05/27/11	WG	pH	8.16	SU	CAMO-11-10760
R-16 S4	1237	05/27/11	WG	pH	8.15	SU	CAMO-11-11334
R-16 S4	1237	02/16/11	WG	pH	8.22	SU	CAMO-11-4644
R-16 S4	1237	11/17/10	WG	pH	8.2	SU	CAMO-11-1305
R-16 S4	1237	08/09/12	WG	Specific Conductance	184	µS/cm	CAMO-12-21786
R-16 S4	1237	08/18/11	WG	Specific Conductance	186	µS/cm	CAMO-11-24689
R-16 S4	1237	08/18/11	WG	Specific Conductance	190	µS/cm	CAMO-11-24510
R-16 S4	1237	08/18/11	WG	Specific Conductance	187	µS/cm	CAMO-11-24512
R-16 S4	1237	08/18/11	WG	Specific Conductance	200	µS/cm	CAMO-11-24508

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16 S4	1237	05/27/11	WG	Specific Conductance	197	µS/cm	CAMO-11-11331
R-16 S4	1237	05/27/11	WG	Specific Conductance	193	µS/cm	CAMO-11-10760
R-16 S4	1237	05/27/11	WG	Specific Conductance	193	µS/cm	CAMO-11-11334
R-16 S4	1237	02/16/11	WG	Specific Conductance	189	µS/cm	CAMO-11-4644
R-16 S4	1237	11/17/10	WG	Specific Conductance	193	µS/cm	CAMO-11-1305
R-16 S4	1237	08/09/12	WG	Temperature	22.57	deg C	CAMO-12-21786
R-16 S4	1237	08/18/11	WG	Temperature	22.59	deg C	CAMO-11-24689
R-16 S4	1237	08/18/11	WG	Temperature	22.44	deg C	CAMO-11-24510
R-16 S4	1237	08/18/11	WG	Temperature	22.62	deg C	CAMO-11-24512
R-16 S4	1237	08/18/11	WG	Temperature	22.26	deg C	CAMO-11-24508
R-16 S4	1237	05/27/11	WG	Temperature	21.95	deg C	CAMO-11-11331
R-16 S4	1237	05/27/11	WG	Temperature	22.24	deg C	CAMO-11-10760
R-16 S4	1237	05/27/11	WG	Temperature	22.17	deg C	CAMO-11-11334
R-16 S4	1237	02/16/11	WG	Temperature	20.96	deg C	CAMO-11-4644
R-16 S4	1237	11/17/10	WG	Temperature	17.67	deg C	CAMO-11-1305
R-16 S4	1237	08/09/12	WG	Turbidity	0.21	NTU	CAMO-12-21786
R-16 S4	1237	08/18/11	WG	Turbidity	0.37	NTU	CAMO-11-24689
R-16 S4	1237	08/18/11	WG	Turbidity	0.6	NTU	CAMO-11-24510
R-16 S4	1237	08/18/11	WG	Turbidity	0.37	NTU	CAMO-11-24512
R-16 S4	1237	08/18/11	WG	Turbidity	0.41	NTU	CAMO-11-24508
R-16 S4	1237	05/27/11	WG	Turbidity	0.36	NTU	CAMO-11-11331
R-16 S4	1237	05/27/11	WG	Turbidity	0.11	NTU	CAMO-11-10760
R-16 S4	1237	05/27/11	WG	Turbidity	0.23	NTU	CAMO-11-11334
R-16 S4	1237	02/16/11	WG	Turbidity	0.2	NTU	CAMO-11-4644
R-16 S4	1237	11/17/10	WG	Turbidity	0.49	NTU	CAMO-11-1305
R-16r	600	08/09/12	WG	Dissolved Oxygen	6.35	mg/L	CAMO-12-21787
R-16r	600	08/10/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24514
R-16r	600	08/10/11	WG	Dissolved Oxygen	6.56	mg/L	CAMO-11-24516
R-16r	600	08/10/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24518

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16r	600	08/10/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-24681
R-16r	600	05/20/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-11-10750
R-16r	600	05/20/11	WG	Dissolved Oxygen	6.58	mg/L	CAMO-11-11335
R-16r	600	05/20/11	WG	Dissolved Oxygen	6.65	mg/L	CAMO-11-11458
R-16r	600	05/20/11	WG	Dissolved Oxygen	6.5	mg/L	CAMO-11-11460
R-16r	600	05/20/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-11-10752
R-16r	600	02/16/11	WG	Dissolved Oxygen	6	mg/L	CAMO-11-4647
R-16r	600	11/11/10	WG	Dissolved Oxygen	5.18	mg/L	CAMO-11-1289
R-16r	600	08/09/12	WG	Oxidation-Reduction Potential	92.3	mV	CAMO-12-21787
R-16r	600	08/10/11	WG	Oxidation-Reduction Potential	202.3	mV	CAMO-11-24514
R-16r	600	08/10/11	WG	Oxidation-Reduction Potential	198.2	mV	CAMO-11-24516
R-16r	600	08/10/11	WG	Oxidation-Reduction Potential	196.4	mV	CAMO-11-24518
R-16r	600	08/10/11	WG	Oxidation-Reduction Potential	196.4	mV	CAMO-11-24681
R-16r	600	05/20/11	WG	Oxidation-Reduction Potential	238.6	mV	CAMO-11-10750
R-16r	600	05/20/11	WG	Oxidation-Reduction Potential	244.7	mV	CAMO-11-11335
R-16r	600	05/20/11	WG	Oxidation-Reduction Potential	238.9	mV	CAMO-11-11460
R-16r	600	05/20/11	WG	Oxidation-Reduction Potential	238.6	mV	CAMO-11-10752
R-16r	600	02/16/11	WG	Oxidation-Reduction Potential	161.2	mV	CAMO-11-4647
R-16r	600	11/11/10	WG	Oxidation-Reduction Potential	418.1	mV	CAMO-11-1289
R-16r	600	08/09/12	WG	pH	8.08	SU	CAMO-12-21787
R-16r	600	08/10/11	WG	pH	8.21	SU	CAMO-11-24514
R-16r	600	08/10/11	WG	pH	8.22	SU	CAMO-11-24516
R-16r	600	08/10/11	WG	pH	8.22	SU	CAMO-11-24518
R-16r	600	08/10/11	WG	pH	8.22	SU	CAMO-11-24681
R-16r	600	05/20/11	WG	pH	8.23	SU	CAMO-11-10750
R-16r	600	05/20/11	WG	pH	8.24	SU	CAMO-11-11335
R-16r	600	05/20/11	WG	pH	8.23	SU	CAMO-11-11458
R-16r	600	05/20/11	WG	pH	8.22	SU	CAMO-11-11460
R-16r	600	05/20/11	WG	pH	8.23	SU	CAMO-11-10752

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16r	600	02/16/11	WG	pH	8.22	SU	CAMO-11-4647
R-16r	600	11/11/10	WG	pH	8.09	SU	CAMO-11-1289
R-16r	600	08/09/12	WG	Specific Conductance	180	µS/cm	CAMO-12-21787
R-16r	600	08/10/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24514
R-16r	600	08/10/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24516
R-16r	600	08/10/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24518
R-16r	600	08/10/11	WG	Specific Conductance	181	µS/cm	CAMO-11-24681
R-16r	600	05/20/11	WG	Specific Conductance	181	µS/cm	CAMO-11-10750
R-16r	600	05/20/11	WG	Specific Conductance	182	µS/cm	CAMO-11-11335
R-16r	600	05/20/11	WG	Specific Conductance	182	µS/cm	CAMO-11-11458
R-16r	600	05/20/11	WG	Specific Conductance	182	µS/cm	CAMO-11-11460
R-16r	600	05/20/11	WG	Specific Conductance	181	µS/cm	CAMO-11-10752
R-16r	600	02/16/11	WG	Specific Conductance	179	µS/cm	CAMO-11-4647
R-16r	600	11/11/10	WG	Specific Conductance	178	µS/cm	CAMO-11-1289
R-16r	600	08/09/12	WG	Temperature	21.46	deg C	CAMO-12-21787
R-16r	600	08/10/11	WG	Temperature	20.47	deg C	CAMO-11-24514
R-16r	600	08/10/11	WG	Temperature	20.75	deg C	CAMO-11-24516
R-16r	600	08/10/11	WG	Temperature	20.88	deg C	CAMO-11-24518
R-16r	600	08/10/11	WG	Temperature	20.88	deg C	CAMO-11-24681
R-16r	600	05/20/11	WG	Temperature	19.98	deg C	CAMO-11-10750
R-16r	600	05/20/11	WG	Temperature	19.99	deg C	CAMO-11-11335
R-16r	600	05/20/11	WG	Temperature	20.06	deg C	CAMO-11-11458
R-16r	600	05/20/11	WG	Temperature	19.96	deg C	CAMO-11-11460
R-16r	600	05/20/11	WG	Temperature	19.98	deg C	CAMO-11-10752
R-16r	600	02/16/11	WG	Temperature	20.62	deg C	CAMO-11-4647
R-16r	600	11/11/10	WG	Temperature	19.54	deg C	CAMO-11-1289
R-16r	600	08/09/12	WG	Turbidity	0.6	NTU	CAMO-12-21787
R-16r	600	08/10/11	WG	Turbidity	0.52	NTU	CAMO-11-24514
R-16r	600	08/10/11	WG	Turbidity	0.43	NTU	CAMO-11-24516

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16r	600	08/10/11	WG	Turbidity	0.29	NTU	CAMO-11-24518
R-16r	600	08/10/11	WG	Turbidity	0.29	NTU	CAMO-11-24681
R-16r	600	05/20/11	WG	Turbidity	0.24	NTU	CAMO-11-10750
R-16r	600	05/20/11	WG	Turbidity	0.87	NTU	CAMO-11-11335
R-16r	600	05/20/11	WG	Turbidity	0.41	NTU	CAMO-11-11458
R-16r	600	05/20/11	WG	Turbidity	0.16	NTU	CAMO-11-11460
R-16r	600	05/20/11	WG	Turbidity	0.24	NTU	CAMO-11-10752
R-16r	600	02/16/11	WG	Turbidity	0.64	NTU	CAMO-11-4647
R-16r	600	11/11/10	WG	Turbidity	0.1	NTU	CAMO-11-1289
R-33 S1	995.5	08/21/12	WG	Dissolved Oxygen	5.12	mg/L	CAMO-12-21788
R-33 S1	995.5	08/04/11	WG	Dissolved Oxygen	5.19	mg/L	CAMO-11-24664
R-33 S1	995.5	05/16/11	WG	Dissolved Oxygen	5.04	mg/L	CAMO-11-10762
R-33 S1	995.5	02/10/11	WG	Dissolved Oxygen	5.02	mg/L	CAMO-11-4661
R-33 S1	995.5	11/18/10	WG	Dissolved Oxygen	4.18	mg/L	CAMO-11-1297
R-33 S1	995.5	08/21/12	WG	Oxidation-Reduction Potential	122.3	mV	CAMO-12-21788
R-33 S1	995.5	08/04/11	WG	Oxidation-Reduction Potential	232.1	mV	CAMO-11-24664
R-33 S1	995.5	05/16/11	WG	Oxidation-Reduction Potential	136.2	mV	CAMO-11-10762
R-33 S1	995.5	02/10/11	WG	Oxidation-Reduction Potential	88.5	mV	CAMO-11-4661
R-33 S1	995.5	11/18/10	WG	Oxidation-Reduction Potential	290.4	mV	CAMO-11-1297
R-33 S1	995.5	08/21/12	WG	pH	7.43	SU	CAMO-12-21788
R-33 S1	995.5	08/04/11	WG	pH	7.48	SU	CAMO-11-24664
R-33 S1	995.5	05/16/11	WG	pH	7.52	SU	CAMO-11-10762
R-33 S1	995.5	02/10/11	WG	pH	7.56	SU	CAMO-11-4661
R-33 S1	995.5	11/18/10	WG	pH	7.4	SU	CAMO-11-1297
R-33 S1	995.5	08/21/12	WG	Specific Conductance	145	µS/cm	CAMO-12-21788
R-33 S1	995.5	08/04/11	WG	Specific Conductance	144	µS/cm	CAMO-11-24664
R-33 S1	995.5	05/16/11	WG	Specific Conductance	146	µS/cm	CAMO-11-10762
R-33 S1	995.5	02/10/11	WG	Specific Conductance	144	µS/cm	CAMO-11-4661
R-33 S1	995.5	11/18/10	WG	Specific Conductance	143	µS/cm	CAMO-11-1297

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33 S1	995.5	08/21/12	WG	Temperature	21.62	deg C	CAMO-12-21788
R-33 S1	995.5	08/04/11	WG	Temperature	21.83	deg C	CAMO-11-24664
R-33 S1	995.5	05/16/11	WG	Temperature	21.87	deg C	CAMO-11-10762
R-33 S1	995.5	02/10/11	WG	Temperature	21.03	deg C	CAMO-11-4661
R-33 S1	995.5	11/18/10	WG	Temperature	21.34	deg C	CAMO-11-1297
R-33 S1	995.5	08/21/12	WG	Turbidity	0.38	NTU	CAMO-12-21788
R-33 S1	995.5	08/04/11	WG	Turbidity	0.39	NTU	CAMO-11-24664
R-33 S1	995.5	05/16/11	WG	Turbidity	0.49	NTU	CAMO-11-10762
R-33 S1	995.5	02/10/11	WG	Turbidity	0.24	NTU	CAMO-11-4661
R-33 S1	995.5	11/18/10	WG	Turbidity	0.38	NTU	CAMO-11-1297
R-33 S2	1112.4	08/21/12	WG	Dissolved Oxygen	6.54	mg/L	CAMO-12-21789
R-33 S2	1112.4	08/04/11	WG	Dissolved Oxygen	6.57	mg/L	CAMO-11-24669
R-33 S2	1112.4	05/16/11	WG	Dissolved Oxygen	6.38	mg/L	CAMO-11-10768
R-33 S2	1112.4	02/11/11	WG	Dissolved Oxygen	6.53	mg/L	CAMO-11-4667
R-33 S2	1112.4	11/18/10	WG	Dissolved Oxygen	5.6	mg/L	CAMO-11-1300
R-33 S2	1112.4	08/21/12	WG	Oxidation-Reduction Potential	149.4	mV	CAMO-12-21789
R-33 S2	1112.4	08/04/11	WG	Oxidation-Reduction Potential	244.8	mV	CAMO-11-24669
R-33 S2	1112.4	05/16/11	WG	Oxidation-Reduction Potential	117.5	mV	CAMO-11-10768
R-33 S2	1112.4	02/11/11	WG	Oxidation-Reduction Potential	82.1	mV	CAMO-11-4667
R-33 S2	1112.4	11/18/10	WG	Oxidation-Reduction Potential	299.4	mV	CAMO-11-1300
R-33 S2	1112.4	08/21/12	WG	pH	7.71	SU	CAMO-12-21789
R-33 S2	1112.4	08/04/11	WG	pH	7.67	SU	CAMO-11-24669
R-33 S2	1112.4	05/16/11	WG	pH	7.7	SU	CAMO-11-10768
R-33 S2	1112.4	02/11/11	WG	pH	7.77	SU	CAMO-11-4667
R-33 S2	1112.4	11/18/10	WG	pH	7.63	SU	CAMO-11-1300
R-33 S2	1112.4	08/21/12	WG	Specific Conductance	142	µS/cm	CAMO-12-21789
R-33 S2	1112.4	08/04/11	WG	Specific Conductance	137	µS/cm	CAMO-11-24669
R-33 S2	1112.4	05/16/11	WG	Specific Conductance	143	µS/cm	CAMO-11-10768
R-33 S2	1112.4	02/11/11	WG	Specific Conductance	144	µS/cm	CAMO-11-4667

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33 S2	1112.4	11/18/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1300
R-33 S2	1112.4	08/21/12	WG	Temperature	21.15	deg C	CAMO-12-21789
R-33 S2	1112.4	08/04/11	WG	Temperature	21.61	deg C	CAMO-11-24669
R-33 S2	1112.4	05/16/11	WG	Temperature	22.28	deg C	CAMO-11-10768
R-33 S2	1112.4	02/11/11	WG	Temperature	20.93	deg C	CAMO-11-4667
R-33 S2	1112.4	11/18/10	WG	Temperature	20	deg C	CAMO-11-1300
R-33 S2	1112.4	08/21/12	WG	Turbidity	0.52	NTU	CAMO-12-21789
R-33 S2	1112.4	08/04/11	WG	Turbidity	0.43	NTU	CAMO-11-24669
R-33 S2	1112.4	05/16/11	WG	Turbidity	0.35	NTU	CAMO-11-10768
R-33 S2	1112.4	02/11/11	WG	Turbidity	0.32	NTU	CAMO-11-4667
R-33 S2	1112.4	11/18/10	WG	Turbidity	0.44	NTU	CAMO-11-1300
R-34	883.7	08/23/12	WG	Dissolved Oxygen	5.54	mg/L	CAMO-12-21790
R-34	883.7	11/10/11	WG	Dissolved Oxygen	6.83	mg/L	CAMO-12-1532
R-34	883.7	08/11/11	WG	Dissolved Oxygen	4.78	mg/L	CAMO-11-24520
R-34	883.7	08/11/11	WG	Dissolved Oxygen	6.46	mg/L	CAMO-11-24522
R-34	883.7	08/11/11	WG	Dissolved Oxygen	5.35	mg/L	CAMO-11-24650
R-34	883.7	08/11/11	WG	Dissolved Oxygen	5.37	mg/L	CAMO-11-24524
R-34	883.7	05/25/11	WG	Dissolved Oxygen	4.54	mg/L	CAMO-11-11462
R-34	883.7	05/25/11	WG	Dissolved Oxygen	4.94	mg/L	CAMO-11-11463
R-34	883.7	02/17/11	WG	Dissolved Oxygen	5.2	mg/L	CAMO-11-4670
R-34	883.7	08/23/12	WG	Oxidation-Reduction Potential	212.3	mV	CAMO-12-21790
R-34	883.7	08/11/11	WG	Oxidation-Reduction Potential	174.2	mV	CAMO-11-24520
R-34	883.7	08/11/11	WG	Oxidation-Reduction Potential	170.5	mV	CAMO-11-24522
R-34	883.7	08/11/11	WG	Oxidation-Reduction Potential	165.3	mV	CAMO-11-24650
R-34	883.7	08/11/11	WG	Oxidation-Reduction Potential	165.5	mV	CAMO-11-24524
R-34	883.7	05/25/11	WG	Oxidation-Reduction Potential	240.1	mV	CAMO-11-11462
R-34	883.7	05/25/11	WG	Oxidation-Reduction Potential	234.9	mV	CAMO-11-11463
R-34	883.7	02/17/11	WG	Oxidation-Reduction Potential	115	mV	CAMO-11-4670
R-34	883.7	11/09/10	WG	Oxidation-Reduction Potential	468.9	mV	CAMO-11-1302

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-34	883.7	08/23/12	WG	pH	8.36	SU	CAMO-12-21790
R-34	883.7	11/10/11	WG	pH	8.44	SU	CAMO-12-1532
R-34	883.7	08/11/11	WG	pH	8.42	SU	CAMO-11-24520
R-34	883.7	08/11/11	WG	pH	8.38	SU	CAMO-11-24522
R-34	883.7	08/11/11	WG	pH	8.38	SU	CAMO-11-24650
R-34	883.7	08/11/11	WG	pH	8.38	SU	CAMO-11-24524
R-34	883.7	05/25/11	WG	pH	8.41	SU	CAMO-11-11462
R-34	883.7	05/25/11	WG	pH	8.39	SU	CAMO-11-11463
R-34	883.7	02/17/11	WG	pH	8.37	SU	CAMO-11-4670
R-34	883.7	08/23/12	WG	Specific Conductance	152	µS/cm	CAMO-12-21790
R-34	883.7	11/10/11	WG	Specific Conductance	153	µS/cm	CAMO-12-1532
R-34	883.7	08/11/11	WG	Specific Conductance	130	µS/cm	CAMO-11-24520
R-34	883.7	08/11/11	WG	Specific Conductance	119	µS/cm	CAMO-11-24522
R-34	883.7	08/11/11	WG	Specific Conductance	109	µS/cm	CAMO-11-24650
R-34	883.7	08/11/11	WG	Specific Conductance	112	µS/cm	CAMO-11-24524
R-34	883.7	05/25/11	WG	Specific Conductance	151	µS/cm	CAMO-11-11462
R-34	883.7	05/25/11	WG	Specific Conductance	148	µS/cm	CAMO-11-11463
R-34	883.7	02/17/11	WG	Specific Conductance	119	µS/cm	CAMO-11-4670
R-34	883.7	08/23/12	WG	Temperature	22.45	deg C	CAMO-12-21790
R-34	883.7	11/10/11	WG	Temperature	21.32	deg C	CAMO-12-1532
R-34	883.7	08/11/11	WG	Temperature	22.2	deg C	CAMO-11-24520
R-34	883.7	08/11/11	WG	Temperature	22.62	deg C	CAMO-11-24522
R-34	883.7	08/11/11	WG	Temperature	22.55	deg C	CAMO-11-24650
R-34	883.7	08/11/11	WG	Temperature	22.62	deg C	CAMO-11-24524
R-34	883.7	05/25/11	WG	Temperature	21.73	deg C	CAMO-11-11462
R-34	883.7	05/25/11	WG	Temperature	22.16	deg C	CAMO-11-11463
R-34	883.7	02/17/11	WG	Temperature	21.97	deg C	CAMO-11-4670
R-34	883.7	08/23/12	WG	Turbidity	1.55	NTU	CAMO-12-21790
R-34	883.7	11/10/11	WG	Turbidity	2.15	NTU	CAMO-12-1532

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-34	883.7	08/11/11	WG	Turbidity	10.1	NTU	CAMO-11-24520
R-34	883.7	08/11/11	WG	Turbidity	2.18	NTU	CAMO-11-24522
R-34	883.7	08/11/11	WG	Turbidity	1.74	NTU	CAMO-11-24650
R-34	883.7	08/11/11	WG	Turbidity	1.55	NTU	CAMO-11-24524
R-34	883.7	05/25/11	WG	Turbidity	13.1	NTU	CAMO-11-11462
R-34	883.7	05/25/11	WG	Turbidity	2.95	NTU	CAMO-11-11463
R-34	883.7	02/17/11	WG	Turbidity	1.99	NTU	CAMO-11-4670

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%D	percent difference
%R	percent recovery
%RSD	percent relative standard deviation
<	Based on qualifiers, the result was a nondetection.
—	none
4,4'-DDD	4,4'-dichlorodiphenyldichloroethane
4,4'-DDT	4,4'-dichlorodiphenyltrichloroethane
BHC	benzene hexachloride
CB	chlorinated biphenyl
CCB	continuing calibration blank
CCV	continuing calibration verification
CLP	Control Laboratory Program
CRDL	contract-required detection limit
CRI	CDRL check standard
DCG	Derived Concentration Guide (DOE)
DDE	dichlorodiphenyldichloroethylene
DNX	dinitroso-RDX (or hexahydro-1,3-dinitroso-5-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
DQO	data quality objective
EPA	Environmental Protection Agency (U.S.)
GC	gas chromatography
GC/MS	gas chromatography/mass spectrometry
GFAA	graphite furnace atomic absorption
GFPC	gas-flow proportional counter
GW	groundwater
HH OO	Human Health—Organism Only (NMWQCC standard)
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	high-pressure liquid chromatography
ICAL	initial calibration
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification
IDL	instrument detection limit

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
IS	internal standard
LAL	lower acceptance limit
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
LOC	level of chlorination
LSC	liquid scintillation counting
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit
MNX	mononitroso-RDX (or hexahydro-1-nitroso-3,5-dinitro-1,3,5-triazine)
MS	matrix spike
MSD	matrix spike duplicate
NM	NMWQCC
NMED	New Mexico Environmental Department
NMWQCC	New Mexico Water Quality Control Commission
OPR	ongoing precision recovery
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxin
PCDF	polychlorinated dibenzofuran
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RRT	relative retention time
RT	retention time
Scr	screening
SDG	sample delivery group
SMO	Sample Management Office
SSC	suspended sediment concentration
SU	standard unit
TCDD	tetrachlorodibenzo-p-dioxin

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
TCDF	tetrachlorodibenzofuran
TDS	total dissolved solids
TPH-DRO	total petroleum hydrocarbons—diesel range organics
TNX	trinitroso-RDX (or hexahydro-1,3,5-trinitroso-1,3,5-triazine)
TPU	total propagated uncertainty
UAL	upper acceptance limit
Field Matrix Codes	
W	water
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
Field Prep Codes	
F	filtered
UF	unfiltered
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
INIT	initial
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FR	field rinsate
FS	field split
FTB	field trip blank
FTR	field triplicate
INB	equipment blank taken during installation and not associated with a sampling event
ITB	trip blank taken during installation and not associated with a sampling event
NA	not applicable
PEB	performance evaluation blank

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Field QC Type Codes (continued)	
PEK	performance evaluation known
REG	regular
RES	resample
SS	special sampling event, data unique
SS-EQB	equipment blank of special sampling event, data unique
SS-FB	field blank of special sampling event, data unique
SS-FD	field duplicate of special sampling event, data unique
SS-FTB	field trip blank of special sampling event, data unique
Analytical Suite Codes	
DIOX/FUR, Diox/Fur	dioxins and furans
DRO	diesel range organics
Geninorg, GENINORG, General Chemistry	general inorganics
GRO	gasoline range organics
HERB	herbicides
HEXP	high explosives
INORGANIC	inorganics
ISOTOPE, Isotope	isotope ratios
LCMS/MS	liquid chromatography mass spectrometry/mass spectrometry
METALS, Metals	metals
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry
SVOC, SVOA	semivolatile organic compounds
VOC, VOA	volatile organic compounds
Detect Flag and Best Value Flag Codes	
N	no
Y	yes
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services, Inc.
CFA	Cape Fear Analytical, LLC, Wilmington, NC
C-INC	Isotope and Nuclear Chemistry Division (LANL)
COAST	Coastal Science Laboratories, Austin, TX
CST	Chemical Sciences and Technology Division (LANL)
EES6	Hydrology, Geochemistry, and Geology Group (LANL)
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
FLD	measurement taken in field
GEL	General Engineering Laboratories, Inc.

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Lab Codes (continued)	
GELC	General Engineering Laboratories, Inc., Charleston, SC
GEO	Geochron Laboratories, Boston, MA
HENV	Health and Environmental Laboratory (Johnson Controls, Northern New Mexico)
HUFFMAN	Huffman Laboratories, Inc., Golden, CO
KA	KEMRON Environmental Services, Inc., Vienna, VA
LVLI	Lionville Laboratory, Inc., Philadelphia, PA
PARA	Paragon Analytics, Inc., Salt Lake City, UT
PEC	Pacific Ecorisk Laboratories, Fairfield, CA
QESL	Quanterra Environmental Services, St. Louis, MO
QST	QST Environmental, Newberry, FL
RECRAP	RECRA Labnet, Lionville, PA
RFWC	Roy F. Weston, Inc., West Chester, PA
SGSW	Paradigm Analytical Laboratories, Inc., Wilmington, NC
SILENS	Stable Isotope Laboratory, Woods Hole, MA
STL2, STR	Severn Trent Laboratories, Inc., Richland, WA (historical)
STLA	Severn Trent Laboratories, Inc., Los Angeles, CA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SwRI	Southwest Research Institute, San Antonio, TX
UAZ	University of Arizona, Tucson
UIL	University of Illinois, Urbana-Champaign
UMTL	University of Miami Tritium Lab

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

Code	Description
H*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. * (Organic) and (Inorganic)—The result for this analyte in the laboratory control sample analysis was outside acceptance criteria.
HJ	See H code and see J code.
HJ*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. (J) (Organic/General Inorganics)—The result for this analyte was greater than the MDL but less than the PQL. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
INS	(d15N)—The d15N of nitrate is a signature of the nitrate present in a sample. Therefore, nitrate has to be present to have a signature. A d15N value cannot be given to a blank because the blank does not have nitrate. This is different from most analytical methods, where a blank is run with the designator “nondetect” or “detected, but below detection limit.”
J	(Inorganic)—The associated numerical value is an estimated quantity. (Organic)—The associated numerical value is an estimated quantity.
J*	See J code and see * code.
JB	See J code and see B code
JN	See J code and see N code.
JN*	See J code, see N code, and see * code.
JP	See J code and see P code.
N	(Inorganic)—Spiked sample recovery was not within control limits.
N*	See N code and see * code.
N*E	See N code, see * code, and see E code.
NE	See N code and see E code.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
PJ	See P code and see J code.
U	The material was analyzed for but was not detected above the level of the associated numeric value.
U*	See U code and see * code.
UD	See U code and see D code.
UE	See U code and see E code.
UE*	See U code, see E code, and see * code.
UEN	See U code, see E code, and see N code.
UH	See U code and see H code.

Analytical Laboratory Qualifier Codes (continued)

UH*	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
UI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification.
UN	EPA flag (Inorganic)—Compound was analyzed for but was not detected. Spiked sample recovery was not within control limits.
UN*	EPA flag (Inorganic)—See U code, see N code, and see * code.
UUI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification, and the analytical lab assigned these gamma spectroscopy results as not detected.
X	The analytical laboratory suspects the result is a nondetect despite positive quantification results.

Secondary Validation Flag Codes

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

Table C-1 Mortandad and Sandia Watershed General Surveillance Monitoring Group Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.3	—	—	0.01	SU	Y	H	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.95	—	—	0.01	SU	Y	H	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.97	—	—	0.01	SU	Y	H	J-	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.89	—	—	0.01	SU	Y	H	J-	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.41	—	—	0.01	SU	Y	H	J-	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.04	—	—	0.01	SU	Y	H	J-	11-1325	CAMO-11-4634	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	121	—	—	0.725	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	119	—	—	0.725	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	—	—	0.73	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	111	—	—	0.73	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	0.73	mg/L	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	0.73	mg/L	Y	—	NQ	11-1325	CAMO-11-4634	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0449	—	—	0.017	mg/L	Y	J	J	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0392	—	—	0.017	mg/L	Y	J	U	12-1138	CAMO-12-12523	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0178	—	—	0.016	mg/L	Y	J	J	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-1325	CAMO-11-4634	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.016	—	—	0.016	mg/L	Y	J	J-	10-3600	CAMO-10-22817	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	64.1	—	—	0.67	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	68.8	—	—	0.66	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	77.6	—	—	0.66	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	86.5	—	—	0.66	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	83.2	—	—	0.66	mg/L	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	88.5	—	—	0.66	mg/L	Y	—	NQ	11-1325	CAMO-11-4634	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.06	—	—	0.033	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.941	—	—	0.033	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.933	—	—	0.033	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.921	—	—	0.033	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.78	—	—	0.033	mg/L	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.812	—	—	0.033	mg/L	Y	—	NQ	11-1325	CAMO-11-4634	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.16	—	—	0.085	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.21	—	—	0.05	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.905	—	—	0.05	mg/L	Y	—	J	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.14	—	—	0.05	mg/L	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.685	—	—	0.05	mg/L	Y	—	NQ	11-1325	CAMO-11-4634	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	499	—	—	1	µS/cm	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	531	—	—	1	µS/cm	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	526	—	—	1	µS/cm	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	545	—	—	1	µS/cm	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	526	—	—	1	µS/cm	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	558	—	—	1	µS/cm	Y	—	NQ	11-1325	CAMO-11-4634	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.8	—	—	0.133	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.4	—	—	0.1	mg/L	Y	—	J+	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	11-1325	CAMO-11-4634	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	286	—	—	3.4	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC

Table C-1 Mortandad and Sandia Watershed General Surveillance Monitoring Group Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	281	—	—	3.4	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	297	—	—	3.4	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	314	—	—	3.4	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	321	—	—	2.4	mg/L	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	348	—	—	2.4	mg/L	Y	—	NQ	11-1325	CAMO-11-4634	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.17	—	—	0.035	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.249	—	—	0.035	mg/L	Y	—	U	12-1138	CAMO-12-12523	GELC
MCO-7	39	12/14/07	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.068	—	—	0.029	mg/L	Y	J	—	199581	GF071100G7CM20	GELC
MCO-7	39	12/14/07	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.063	—	—	0.029	mg/L	Y	J	—	199581	GF071100G7CM01	GELC
MCO-7	39	08/28/07	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.11	—	—	0.029	mg/L	Y	—	JN-	192790	GF070800G7CM01	GELC
MCO-7	39	06/06/07	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.07	—	—	0.029	mg/L	Y	J	JN-	187406	GF070500G7CM01	GELC
MCO-7	39	03/01/07	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.157	—	—	0.01	mg/L	Y	—	—	181844	GF070200G7CM01	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.93	—	—	0.33	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.32	—	—	0.33	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.244	—	—	0.017	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.287	—	—	0.015	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.432	—	—	0.015	mg/L	Y	—	J	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.326	—	—	0.015	mg/L	Y	—	J	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.188	—	—	0.015	mg/L	Y	—	NQ	11-1325	CAMO-11-4634	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.264	—	—	0.015	mg/L	Y	—	J	10-3600	CAMO-10-22817	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	44.5	—	—	0.053	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.7	—	—	0.053	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.9	—	—	0.053	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.9	—	—	0.053	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	42.6	—	—	0.053	mg/L	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	42.6	—	—	0.053	mg/L	Y	—	NQ	11-1325	CAMO-11-4634	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.06	—	—	0.5	µg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.47	—	—	0.5	µg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.73	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.89	—	—	1	µg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.93	—	—	0.5	µg/L	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	02/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.17	—	—	0.5	µg/L	Y	—	NQ	11-1325	CAMO-11-4634	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.35	—	—	0.01	SU	Y	H	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.38	—	—	0.01	SU	Y	H	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.21	—	—	0.01	SU	Y	H	J-	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	J-	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	J-	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	J-	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	10.7	—	—	0.725	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.03	—	—	0.725	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	Y	U	U	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	Y	U	U	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	Y	U	U	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	Y	U	U	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	365	—	—	0.725	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.3	—	—	0.725	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.8	—	—	0.725	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC

Table C-1 Mortandad and Sandia Watershed General Surveillance Monitoring Group Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71	—	—	0.73	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.3	—	—	0.73	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.1	—	—	0.73	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.2	—	—	0.73	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.018	—	—	0.017	mg/L	Y	J	J	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.168	—	—	0.016	mg/L	Y	—	J-	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0662	—	—	0.016	mg/L	Y	—	U	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.032	—	—	0.016	mg/L	Y	J	J	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.067	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.33	—	—	0.067	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.067	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.25	—	—	0.066	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.32	—	—	0.066	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.066	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.28	—	—	0.066	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.353	—	—	0.033	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.324	—	—	0.033	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.327	—	—	0.033	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.298	—	—	0.033	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.364	—	—	0.033	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.275	—	—	0.033	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.57	—	—	0.085	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.461	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.453	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.52	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0766	—	—	0.01	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.469	—	—	0.05	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.473	—	—	0.05	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	µS/cm	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	291	—	—	1	µS/cm	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	µS/cm	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	158	—	—	1	µS/cm	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	158	—	—	1	µS/cm	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	µS/cm	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	µS/cm	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.75	—	—	0.133	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.79	—	—	0.133	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.75	—	—	0.133	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.75	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.64	—	—	0.1	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.79	—	—	0.1	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.61	—	—	0.1	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116	—	—	3.4	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC

Table C-1 Mortandad and Sandia Watershed General Surveillance Monitoring Group Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	152	—	—	2.4	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.489	—	—	0.33	mg/L	Y	J	J	12-1330	CAMO-12-14034	GELC
R-34	883.7	03/06/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.458	—	—	0.33	mg/L	Y	J	J-	12-1054	CAMO-12-12019	GELC
R-34	883.7	03/06/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.447	—	—	0.33	mg/L	Y	J	J-	12-1054	CAMO-12-12012	GELC
R-34	883.7	11/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.624	—	—	0.33	mg/L	Y	J	J	12-323	CAMO-12-1532	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.423	—	—	0.33	mg/L	Y	J	U	11-2547	CAMO-11-10771	GELC
R-34	883.7	11/09/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.437	—	—	0.33	mg/L	Y	J	J	11-459	CAMO-11-1302	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0375	—	—	0.017	mg/L	Y	J	J	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	UJ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	UJ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0172	—	—	0.015	mg/L	Y	J	J	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.149	—	—	0.015	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0456	—	—	0.015	mg/L	Y	J	U	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.029	—	—	0.015	mg/L	Y	J	J	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	206	—	—	68	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.8	—	—	1	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.4	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.2	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.3	—	—	1	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.7	—	—	1	µg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.9	—	—	1	µg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.9	—	—	15	µg/L	Y	J	J	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	18.4	—	—	15	µg/L	Y	J	J	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18	—	—	15	µg/L	Y	J	J	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18	—	—	15	µg/L	Y	J	J	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.1	—	—	15	µg/L	Y	J	J	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.3	—	—	15	µg/L	Y	J	J	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.7	—	—	0.05	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.9	—	—	0.05	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.44	—	—	2	µg/L	Y	J	J	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.17	—	—	2	µg/L	Y	J	J	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.56	—	—	2	µg/L	Y	J	J	12-1054	CAMO-12-12013	GELC

Table C-1 Mortandad and Sandia Watershed General Surveillance Monitoring Group Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	50	—	—	10	µg/L	Y	U	U	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.65	—	—	2	µg/L	Y	J	J	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.19	—	—	2	µg/L	Y	J	J	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.22	—	—	2.5	µg/L	Y	J	J	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.4	—	—	0.453	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.6	—	—	0.453	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.8	—	—	0.453	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.9	—	—	0.45	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.5	—	—	0.45	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.2	—	—	0.45	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.6	—	—	0.35	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.56	—	—	0.11	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.56	—	—	0.11	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.77	—	—	0.11	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.65	—	—	0.11	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.74	—	—	0.11	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.64	—	—	0.085	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.885	—	—	0.165	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.165	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.963	—	—	0.17	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.955	—	—	0.17	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.17	µg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.38	—	—	0.1	µg/L	Y	—	U	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.79	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.78	—	—	0.05	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.67	—	—	0.05	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.77	—	—	0.05	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73	—	—	0.053	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.7	—	—	0.053	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.9	—	—	0.053	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.6	—	—	1	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.7	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC

Table C-1 Mortandad and Sandia Watershed General Surveillance Monitoring Group Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	62.6	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.9	—	—	1	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59	—	—	1	µg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.7	—	—	1	µg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.401	—	—	0.067	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.432	—	—	0.067	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.488	—	—	0.067	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.473	—	—	0.067	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.32	—	—	0.067	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.501	—	—	0.067	µg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.483	—	—	0.05	µg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.65	—	—	1	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.68	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.76	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.36	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.64	—	—	1	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.9	—	—	1	µg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.03	—	—	1	µg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.52	—	—	3.3	µg/L	Y	J	J	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.09	—	—	3.3	µg/L	Y	J	J	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.92	—	—	3.3	µg/L	Y	J	J	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.42	—	—	3.3	µg/L	Y	J	J	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.76	—	—	3.3	µg/L	Y	J	J	11-459	CAMO-11-1303	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.351	—	—	0.05	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.337	—	—	0.05	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.34	—	—	0.05	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.356	—	—	0.05	µg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	11/09/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.362	—	—	0.05	µg/L	Y	—	NQ	11-459	CAMO-11-1303	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.01	—	—	0.01	SU	Y	H	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.3	—	—	0.01	SU	Y	H	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.95	—	—	0.01	SU	Y	H	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.97	—	—	0.01	SU	Y	H	J-	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.89	—	—	0.01	SU	Y	H	J-	11-3027	CAMO-11-24622	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	124	—	—	0.725	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	121	—	—	0.725	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	119	—	—	0.725	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	—	—	0.73	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	111	—	—	0.73	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0121	0.00855	0.0276	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00161	0.0097	0.032	—	pCi/L	Y	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	Y	0.0415	0.0097	0.033	—	pCi/L	Y	—	NQ	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0196	0.0072	0.026	—	pCi/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	Y	0.0704	0.0125	0.0324	—	pCi/L	Y	—	J	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.075	—	—	0.017	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0449	—	—	0.017	mg/L	Y	J	J	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0392	—	—	0.017	mg/L	Y	J	U	12-1138	CAMO-12-12523	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0178	—	—	0.016	mg/L	Y	J	J	11-2456	CAMO-11-10745	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.55	—	—	1.7	µg/L	Y	J	J	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.3	—	—	1.5	µg/L	Y	J	J	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	202	—	—	1	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	196	—	—	1	µg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	209	—	—	1	µg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	209	—	—	1	µg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	178	—	—	1	µg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	Y	14.2	—	—	6	µg/L	Y	J	J	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22.7	—	—	6.8	µg/L	Y	U	U	10-3599	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	25	—	—	7.5	µg/L	Y	U	R	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	20.6	—	—	6.2	µg/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	20	—	—	6	µg/L	Y	U	U	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	63.3	—	—	15	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	66	—	—	15	µg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	67.1	—	—	15	µg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	70.5	—	—	15	µg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	74.7	—	—	10	µg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	25.4	—	—	0.05	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.2	—	—	0.05	mg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	25.2	—	—	0.05	mg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.4	—	—	0.05	mg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.6	—	—	0.03	mg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.142	1.94	4.82	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.66	1.5	5.6	—	pCi/L	Y	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.245	1.7	5	—	pCi/L	Y	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.4	1.6	5.5	—	pCi/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.353	1.22	3.92	—	pCi/L	Y	U	U	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	54.4	—	—	0.67	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	64.1	—	—	0.67	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	68.8	—	—	0.66	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	77.6	—	—	0.66	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	86.5	—	—	0.66	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.81	1.33	4.46	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.171	1.5	4.8	—	pCi/L	Y	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.75	1.8	6.3	—	pCi/L	Y	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.84	1.5	5.4	—	pCi/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.3	1.24	3.46	—	pCi/L	Y	U	U	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	3.01	—	—	3	µg/L	Y	J	J	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.981	—	—	0.033	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.06	—	—	0.033	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.941	—	—	0.033	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.933	—	—	0.033	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.921	—	—	0.033	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.9	1.05	2.26	—	pCi/L	Y	—	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.48	1.4	2.6	—	pCi/L	Y	—	NQ	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.29	1.7	3.9	—	pCi/L	Y	—	NQ	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.21	0.81	1.64	—	pCi/L	Y	—	J-	192790	GU070800G7CM0	GELC
MCO-7	39	07/06/06	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.459	0.717	2.73	—	pCi/L	Y	U	U	166714	GU060500G7CM0	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	20.3	1.54	2.14	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.17	1.2	2.9	—	pCi/L	Y	—	NQ	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	30.5	3.2	2.4	—	pCi/L	Y	—	NQ	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	23.5	2.54	2.81	—	pCi/L	Y	—	J-	192790	GU070800G7CM0	GELC
MCO-7	39	07/06/06	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	30.4	2.39	5.1	—	pCi/L	Y	—	—	166714	GU060500G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.3	—	—	0.453	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	80.9	—	—	0.35	mg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.7	—	—	0.35	mg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89	—	—	0.35	mg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.2	—	—	0.35	mg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	36.6	—	—	30	µg/L	Y	J	J	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	48.1	—	—	30	µg/L	Y	J	J	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	25	µg/L	Y	U	U	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.34	—	—	0.11	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.94	—	—	0.085	mg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.3	—	—	0.085	mg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.59	—	—	0.085	mg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.58	—	—	0.085	mg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.93	—	—	2	µg/L	Y	J	J	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	41.2	—	—	0.165	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	35.8	—	—	0.1	µg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	36.8	—	—	0.1	µg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	35.7	—	—	0.1	µg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	36.6	—	—	0.1	µg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.27	2.49	9.18	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	7.27	3.3	12	—	pCi/L	Y	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.63	7.9	26	—	pCi/L	Y	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.57	9.7	29	—	pCi/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.42	6.29	19.2	—	pCi/L	Y	U	U	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.28	—	—	0.5	µg/L	Y	—	J	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.79	—	—	0.5	µg/L	Y	J	J	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.41	—	—	0.5	µg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.24	—	—	0.5	µg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.4	—	—	0.5	µg/L	Y	J	J	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.35	—	—	0.085	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.16	—	—	0.085	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.21	—	—	0.05	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.905	—	—	0.05	mg/L	Y	—	J	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.14	—	—	0.05	mg/L	Y	—	NQ	11-2456	CAMO-11-10745	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.23	—	—	0.5	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.06	—	—	0.5	µg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.47	—	—	0.5	µg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.73	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.89	—	—	1	µg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.013	0.00813	0.0146	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0112	0.007	0.025	—	pCi/L	Y	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	Y	0.034	0.011	0.032	—	pCi/L	Y	—	NQ	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.02	0.0098	0.025	—	pCi/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0143	0.0084	0.0343	—	pCi/L	Y	U	U	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0152	0.00841	0.0262	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0205	0.0068	0.025	—	pCi/L	Y	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	Y	0.054	0.015	0.039	—	pCi/L	Y	—	NQ	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00908	0.0066	0.031	—	pCi/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0143	0.00913	0.0315	—	pCi/L	Y	U	U	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	17.3	—	—	0.05	mg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	18.3	—	—	0.5	mg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	16	—	—	0.05	mg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.8	17.3	60.4	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.16	26	90	—	pCi/L	Y	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.94	18	60	—	pCi/L	Y	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.8	18	57	—	pCi/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.6	24.8	38.5	—	pCi/L	Y	U	U	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.84	—	—	1.5	µg/L	Y	J	J	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.16	—	—	1	µg/L	Y	J	J	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.06	—	—	1	µg/L	Y	J	J	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1	µg/L	Y	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1	µg/L	Y	U	U	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43	—	—	0.053	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	44.5	—	—	0.053	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.7	—	—	0.053	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	39	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.9	—	—	0.053	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.9	—	—	0.053	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	54.5	—	—	0.1	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	55.7	—	—	0.1	mg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	54.4	—	—	1	mg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	53.8	—	—	0.1	mg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	52	—	—	0.045	mg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.677	1.33	4.86	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.802	1.7	5.9	—	pCi/L	Y	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.26	1.6	5.6	—	pCi/L	Y	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.21	1.6	5.8	—	pCi/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.18	1.43	4.28	—	pCi/L	Y	U	U	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	465	—	—	1	µS/cm	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	499	—	—	1	µS/cm	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	531	—	—	1	µS/cm	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	526	—	—	1	µS/cm	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	545	—	—	1	µS/cm	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	154	—	—	1	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	154	—	—	1	µg/L	Y	—	NQ	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	169	—	—	1	µg/L	Y	—	NQ	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	151	—	—	1	µg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	140	—	—	1	µg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	2.77	0.245	0.487	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	2.77	0.245	0.487	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	3.42	0.41	0.44	—	pCi/L	Y	—	NQ	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	2.8	0.31	0.29	—	pCi/L	Y	—	NQ	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	1.7	0.25	0.41	—	pCi/L	Y	—	NQ	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	1.89	0.182	0.235	—	pCi/L	Y	—	—	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.6	—	—	0.133	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.8	—	—	0.133	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.4	—	—	0.1	mg/L	Y	—	J+	11-3027	CAMO-11-24622	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	257	—	—	3.4	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	286	—	—	3.4	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	281	—	—	3.4	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	297	—	—	3.4	mg/L	Y	—	NQ	12-323	CAMO-12-1459	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	314	—	—	3.4	mg/L	Y	—	NQ	11-3027	CAMO-11-24622	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0385	—	—	0.035	mg/L	Y	J	J	12-1498	CAMO-12-21784	GELC
MCO-7	39	08/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.118	—	—	0.035	mg/L	Y	—	U	11-3026	CAMO-11-24621	GELC
MCO-7	39	05/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0855	—	—	0.035	mg/L	Y	J	U	11-2456	CAMO-11-10746	GELC
MCO-7	39	02/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.053	—	—	0.033	mg/L	Y	J	J	11-1325	CAMO-11-4635	GELC
MCO-7	39	11/16/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	11-549	CAMO-11-1250	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.18	—	—	0.33	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.93	—	—	0.33	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.32	—	—	0.33	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.06	—	—	0.33	mg/L	Y	—	NQ	12-1498	CAMO-12-21784	GELC
MCO-7	39	08/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.04	—	—	0.33	mg/L	Y	—	NQ	11-3026	CAMO-11-24621	GELC
MCO-7	39	05/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.21	—	—	0.33	mg/L	Y	—	NQ	11-2456	CAMO-11-10746	GELC
MCO-7	39	02/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.51	—	—	0.33	mg/L	Y	—	NQ	11-1325	CAMO-11-4635	GELC
MCO-7	39	11/16/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.53	—	—	0.33	mg/L	Y	—	NQ	11-549	CAMO-11-1250	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.26	—	—	0.017	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	39	05/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.244	—	—	0.017	mg/L	Y	—	NQ	12-1326	CAMO-12-14054	GELC
MCO-7	39	03/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.287	—	—	0.015	mg/L	Y	—	NQ	12-1138	CAMO-12-12523	GELC
MCO-7	39	08/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.432	—	—	0.015	mg/L	Y	—	J	11-3027	CAMO-11-24622	GELC
MCO-7	39	05/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.326	—	—	0.015	mg/L	Y	—	J	11-2456	CAMO-11-10745	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	607	57.2	126	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	962	140	240	—	pCi/L	Y	—	NQ	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	762	96	150	—	pCi/L	Y	—	NQ	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	518	81	130	—	pCi/L	Y	—	NQ	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	684	104	177	—	pCi/L	Y	—	—	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.817	—	—	0.067	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.803	—	—	0.05	µg/L	Y	—	U	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.765	—	—	0.05	µg/L	Y	—	J+	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.862	—	—	0.05	µg/L	Y	—	NQ	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.54	—	—	0.05	µg/L	Y	—	NQ	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.336	0.0382	0.0928	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.325	0.04	0.078	—	pCi/L	Y	—	NQ	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.405	0.046	0.11	—	pCi/L	Y	—	NQ	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.202	0.022	0.056	—	pCi/L	Y	—	NQ	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.502	0.0534	0.0746	—	pCi/L	Y	—	—	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0215	0.0114	0.0599	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0113	0.0085	0.047	—	pCi/L	Y	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0329	0.012	0.055	—	pCi/L	Y	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0161	0.0058	0.03	—	pCi/L	Y	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0335	0.0155	0.053	—	pCi/L	Y	U	U	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.334	0.0354	0.0471	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GELC
MCO-7	39	07/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.251	0.033	0.054	—	pCi/L	Y	—	NQ	10-3601	CAMO-10-22816	GELC
MCO-7	39	08/13/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.375	0.043	0.056	—	pCi/L	Y	—	NQ	09-2875	CAMO-09-9514	GELC
MCO-7	39	08/19/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.168	0.019	0.029	—	pCi/L	Y	—	NQ	08-1712	CAMO-08-14483	GELC
MCO-7	39	08/28/07	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.451	0.0498	0.0588	—	pCi/L	Y	—	—	192790	GU070800G7CM0	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.11	—	—	1	µg/L	Y	J	J	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.44	—	—	1	µg/L	Y	J	J	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	3.26	—	—	1	µg/L	Y	J	U	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.23	—	—	1	µg/L	Y	J	J	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.7	—	—	1	µg/L	Y	J	J	09-794	CAMO-09-2586	GELC
MCO-7	39	08/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.08	—	—	3.3	µg/L	Y	J	J	12-1498	CAMO-12-21793	GELC
MCO-7	39	07/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-3600	CAMO-10-22817	GELC
MCO-7	39	01/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-1496	CAMO-10-9291	GELC
MCO-7	39	08/13/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	39	02/03/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	2.7	—	—	2	µg/L	Y	J	U	09-794	CAMO-09-2586	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.24	—	—	0.01	SU	Y	H	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	J-	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	J-	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	J-	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	J-	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.7	—	—	0.725	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.3	—	—	0.73	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.1	—	—	0.73	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.2	—	—	0.73	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.3	—	—	0.73	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00496	0.048	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00375	0.0027	0.014	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00254	0.0057	0.036	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00027	0.0015	0.029	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00916	0.012	0.04	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.77	—	—	1.7	µg/L	Y	J	J	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.22	—	—	1.7	µg/L	Y	J	J	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.71	—	—	1.5	µg/L	Y	J	J	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.5	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	49.3	—	—	1	µg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.5	—	—	1	µg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	48.8	—	—	1	µg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	49.2	—	—	1	µg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.4	—	—	15	µg/L	Y	J	J	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.6	—	—	15	µg/L	Y	J	J	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.4	—	—	15	µg/L	Y	J	J	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.4	—	—	15	µg/L	Y	J	J	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26	—	—	15	µg/L	Y	J	J	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.6	—	—	0.05	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20	—	—	0.05	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.5	—	—	0.05	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.9	—	—	0.05	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20	—	—	0.05	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.21	1.37	4.52	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.457	1.4	4.5	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.127	2	6.4	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.422	1.4	4.7	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.37	1.6	4.3	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.5	—	—	0.067	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.65	—	—	0.066	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.79	—	—	0.066	mg/L	Y	—	J+	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.63	—	—	0.066	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.63	—	—	0.066	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	Y	0.42	—	—	0.3	µg/L	Y	J	J	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-3126	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	05/05/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	UJ	10-3068	CASA-10-16767	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6	—	—	2	µg/L	Y	J	J	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.11	—	—	2	µg/L	Y	J	J	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.47	—	—	2	µg/L	Y	J	J	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.21	—	—	2.5	µg/L	Y	J	J	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.906	1.08	3.91	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.23	1.4	4.2	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	4.11	1.8	7.4	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.3	1.6	5.7	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.431	1.6	5	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.294	—	—	0.033	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.319	—	—	0.033	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10 S1	874	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	—	—	0.033	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.275	—	—	0.033	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.883	0.644	2.16	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.83	0.74	2.5	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.918	0.76	2.6	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.758	0.56	1.9	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	11/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.58	0.72	1.7	—	pCi/L	Y	U	U	10-452	CASA-10-3704	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.86	0.955	2.84	—	pCi/L	Y	—	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.568	0.63	2.2	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.513	0.86	3	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.64	0.74	2.3	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.46	0.75	2.3	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.8	—	—	0.453	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.6	—	—	0.45	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65	—	—	0.45	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.4	—	—	0.45	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67	—	—	0.35	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.95	—	—	0.11	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.01	—	—	0.11	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.98	—	—	0.11	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.06	—	—	0.11	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.17	—	—	0.085	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.17	µg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.17	µg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.17	µg/L	Y	—	J	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.63	—	—	0.1	µg/L	Y	—	U	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.23	2.29	8.28	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.32	2.2	7.1	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	7.21	2.8	10	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	9.02	15	51	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	09/23/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	10.7	12	39	—	pCi/L	Y	U	U	09-3334	CASA-09-12923	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.674	—	—	0.5	µg/L	Y	J	J	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.513	—	—	0.5	µg/L	Y	J	J	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1	—	—	0.5	µg/L	Y	J	J	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.486	—	—	0.017	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.376	—	—	0.05	mg/L	Y	—	J	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.515	—	—	0.05	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.54	—	—	0.05	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.226	—	—	0.05	mg/L	Y	J	U	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.474	—	—	0.05	µg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.476	—	—	0.05	µg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.495	—	—	0.05	µg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.517	—	—	0.05	µg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.491	—	—	0.05	µg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00716	0.0241	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00249	0.0035	0.043	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	1.73E-10	0.0041	0.035	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0016	0.021	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00069	0.0045	0.052	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00358	0.0062	0.0431	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00746	0.0075	0.061	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00871	0.0077	0.053	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00157	0.0027	0.021	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00502	0.0061	0.036	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.49	—	—	0.05	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.55	—	—	0.05	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.45	—	—	0.05	mg/L	Y	—	J	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.62	—	—	0.05	mg/L	Y	E	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.77	—	—	0.05	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.73	14.4	57.6	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.5	21	42	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-29.6	20	58	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-29.5	17	49	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.7	22	78	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.4	—	—	0.053	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.8	—	—	0.053	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.8	—	—	0.053	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.8	—	—	0.053	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.4	—	—	0.053	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0692	0.897	3.64	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.165	1.2	4	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.02	2	5.9	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.946	1.5	5.3	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.32	1.6	5.4	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	179	—	—	1	µS/cm	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	1	µS/cm	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	µS/cm	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	µS/cm	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	100	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	105	—	—	1	µg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	106	—	—	1	µg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	109	—	—	1	µg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.105	0.14	0.489	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.128	0.14	0.47	—	pCi/L	Y	U	U	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00322	0.13	0.48	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00944	0.12	0.46	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0217	0.14	0.49	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.83	—	—	0.133	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.76	—	—	0.1	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.21	—	—	0.1	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.89	—	—	0.1	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	—	0.1	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10 S1	874	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	2.4	mg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	2.4	mg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	2.4	mg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.448	—	—	0.33	mg/L	Y	J	J	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.432	—	—	0.33	mg/L	Y	J	J	11-3126	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.514	—	—	0.33	mg/L	Y	J	J	11-2564	CASA-11-10826	GELC
R-10 S1	874	02/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.519	—	—	0.33	mg/L	Y	J	J	11-1359	CASA-11-4571	GELC
R-10 S1	874	11/17/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.335	—	—	0.33	mg/L	Y	J	J	11-578	CASA-11-1365	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.867	0.752	2.244	—	pCi/L	Y	U	UJ	12-1530	CASA-12-21766	ARSL
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.1592	0.7084	2.3828	—	pCi/L	Y	U	U	11-3132	CASA-11-24769	ARSL
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.8694	0.9016	2.9624	—	pCi/L	Y	U	U	11-2590	CASA-11-10826	ARSL
R-10 S1	874	11/17/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	31.8136	4.8944	2.415	—	pCi/L	N	—	R	11-571	CASA-11-1365	ARSL
R-10 S1	874	11/17/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8354	0.805	2.415	—	pCi/L	Y	U	U	11-571	CASA-11-1365	ARSL
R-10 S1	874	05/05/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.7084	0.805	2.7048	—	pCi/L	N	U	R	10-3122	CASA-10-16767	ARSL
R-10 S1	874	05/05/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.7084	0.805	2.7048	—	pCi/L	Y	U	U	10-3122	CASA-10-16767	ARSL
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.15	—	—	0.067	µg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.13	—	—	0.067	µg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.16	—	—	0.067	µg/L	Y	—	NQ	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.31	—	—	0.067	µg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.26	—	—	0.05	µg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.707	0.0522	0.0951	—	pCi/L	Y	—	J	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.801	0.069	0.042	—	pCi/L	Y	—	NQ	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.709	0.062	0.056	—	pCi/L	Y	—	NQ	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.717	0.069	0.073	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.646	0.071	0.063	—	pCi/L	Y	—	J+	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.022	0.0132	0.0614	—	pCi/L	Y	U	U	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0377	0.01	0.026	—	pCi/L	Y	—	NQ	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.03	0.0089	0.032	—	pCi/L	Y	U	U	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0387	0.012	0.044	—	pCi/L	Y	U	U	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0245	0.013	0.05	—	pCi/L	Y	U	U	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.381	0.0378	0.0483	—	pCi/L	Y	—	J	12-1513	CASA-12-21766	GELC
R-10 S1	874	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.378	0.039	0.032	—	pCi/L	Y	—	NQ	11-3127	CASA-11-24769	GELC
R-10 S1	874	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.307	0.033	0.025	—	pCi/L	Y	—	NQ	11-2565	CASA-11-10826	GELC
R-10 S1	874	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.401	0.044	0.051	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22713	GELC
R-10 S1	874	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.382	0.049	0.045	—	pCi/L	Y	—	J+	10-1780	CASA-10-9475	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	10.6	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.4	—	—	1	µg/L	Y	—	NQ	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11	—	—	1	µg/L	Y	—	J	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.1	—	—	1	µg/L	Y	—	NQ	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.7	—	—	1	µg/L	Y	—	NQ	11-578	CASA-11-1364	GELC
R-10 S1	874	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.15	—	—	3.3	µg/L	Y	J	J	12-1513	CASA-12-21772	GELC
R-10 S1	874	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.07	—	—	3.3	µg/L	Y	J	J	11-3127	CASA-11-24770	GELC
R-10 S1	874	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.46	—	—	3.3	µg/L	Y	J	J	11-2564	CASA-11-10827	GELC
R-10 S1	874	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.17	—	—	3.3	µg/L	Y	J	J	11-1359	CASA-11-4572	GELC
R-10 S1	874	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.54	—	—	3.3	µg/L	Y	J	J	11-578	CASA-11-1364	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	J-	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	J-	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	J-	11-1359	CASA-11-4574	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10 S2	1042	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	J-	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.7	—	—	0.725	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	91.8	—	—	0.73	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.6	—	—	0.73	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.7	—	—	0.73	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85.9	—	—	0.73	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00379	0.0367	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00528	0.0039	0.013	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0211	0.007	0.027	—	pCi/L	Y	U	U	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00554	0.0047	0.034	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00575	0.0072	0.036	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.51	—	—	1.7	µg/L	Y	J	J	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.29	—	—	1.7	µg/L	Y	J	J	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.4	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.8	—	—	1	µg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	37.4	—	—	1	µg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	38.7	—	—	1	µg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.4	—	—	1	µg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.3	—	—	15	µg/L	Y	J	J	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	31.2	—	—	15	µg/L	Y	J	J	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28	—	—	15	µg/L	Y	J	J	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.9	—	—	15	µg/L	Y	J	J	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	29.8	—	—	15	µg/L	Y	J	J	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0703	—	—	0.067	mg/L	Y	J	J	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0682	—	—	0.066	mg/L	Y	J	J	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.4	—	—	0.05	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.4	—	—	0.05	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.6	—	—	0.05	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.1	—	—	0.05	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.632	1.56	5.36	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.47	2	7.3	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.23	1.5	5.2	—	pCi/L	Y	U	U	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.25	1.6	5.9	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.06	1.6	5.2	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.11	—	—	0.067	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.18	—	—	0.066	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.34	—	—	0.066	mg/L	Y	—	J+	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.15	—	—	0.066	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.18	—	—	0.066	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.98	—	—	2	µg/L	Y	J	J	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.08	—	—	2	µg/L	Y	J	J	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.23	—	—	2	µg/L	Y	J	J	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.19	—	—	2.5	µg/L	Y	J	J	11-578	CASA-11-1366	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.255	1.27	4.96	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.54	1.5	3.3	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.554	1.6	5	—	pCi/L	Y	U	U	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.21	1.6	4.3	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.53	1.5	4.3	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.252	—	—	0.033	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.244	—	—	0.033	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.268	—	—	0.033	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.212	—	—	0.033	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.247	—	—	0.033	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.000692	0.381	2.03	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.424	0.64	2.5	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.265	0.51	2.3	—	pCi/L	Y	U	U	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.19	0.8	2	—	pCi/L	Y	—	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	11/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.43	1	2.3	—	pCi/L	Y	—	U	10-452	CASA-10-3707	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.84	0.847	2.4	—	pCi/L	Y	—	NQ	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.46	0.79	2.5	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.49	0.97	2.8	—	pCi/L	Y	—	NQ	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.85	0.88	2.7	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.7	0.95	2.4	—	pCi/L	Y	—	NQ	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	69.1	—	—	0.453	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.1	—	—	0.45	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	69.2	—	—	0.45	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	71.4	—	—	0.45	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	74.7	—	—	0.35	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.45	—	—	0.11	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.63	—	—	0.11	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.34	—	—	0.11	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.45	—	—	0.11	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.75	—	—	0.085	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.165	µg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.17	µg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.988	—	—	0.17	µg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.17	µg/L	Y	—	J	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.37	—	—	0.1	µg/L	Y	—	U	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.82	2.79	9.62	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.23	2.9	10	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.981	2.8	9.3	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-11.1	12	39	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	09/23/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-7.25	11	36	—	pCi/L	Y	U	U	09-3334	CASA-09-12927	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.832	—	—	0.5	µg/L	Y	J	J	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.515	—	—	0.5	µg/L	Y	J	J	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.646	—	—	0.5	µg/L	Y	J	J	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.01	—	—	0.5	µg/L	Y	J	J	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.53	—	—	0.017	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.55	—	—	0.05	mg/L	Y	—	J	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.24	—	—	0.05	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.499	—	—	0.05	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.22	—	—	0.05	mg/L	Y	J	U	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.531	—	—	0.05	µg/L	Y	—	J+	12-1513	CASA-12-21773	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10 S2	1042	08/09/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.519	—	—	0.05	µg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.521	—	—	0.05	µg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.53	—	—	0.05	µg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.528	—	—	0.05	µg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00515	0.0245	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0125	0.0055	0.036	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0112	0.006	0.027	—	pCi/L	Y	U	U	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00336	0.0029	0.022	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00582	0.012	0.053	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00515	0.0439	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00208	0.0021	0.051	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00675	0.0059	0.041	—	pCi/L	Y	U	U	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00335	0.0024	0.023	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00142	0.0046	0.037	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.7	—	—	0.05	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.93	—	—	0.05	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.68	—	—	0.05	mg/L	Y	—	J	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.74	—	—	0.05	mg/L	Y	E	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.04	—	—	0.05	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.1	19	72.7	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.09	21	76	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.84	20	70	—	pCi/L	Y	U	U	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.4	18	65	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15	21	75	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.9	—	—	0.053	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.1	—	—	0.053	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.2	—	—	0.053	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.2	—	—	0.053	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.5	—	—	0.053	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.55	1.3	4.3	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.37	1.6	4.7	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.7	1.8	5.8	—	pCi/L	Y	U	U	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.01	1.9	6.4	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.634	1.7	6	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	1	µS/cm	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	196	—	—	1	µS/cm	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	202	—	—	1	µS/cm	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	198	—	—	1	µS/cm	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	199	—	—	1	µS/cm	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	109	—	—	1	µg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	100	—	—	1	µg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	106	—	—	1	µg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	112	—	—	1	µg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.211	0.11	0.469	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0826	0.14	0.49	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0296	0.14	0.49	—	pCi/L	Y	U	U	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.172	0.1	0.45	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.187	0.12	0.49	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.62	—	—	0.133	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.59	—	—	0.1	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.03	—	—	0.1	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.78	—	—	0.1	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.83	—	—	0.1	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	152	—	—	2.4	mg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	2.4	mg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	2.4	mg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.413	—	—	0.33	mg/L	Y	J	J	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3126	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.04	—	—	0.33	mg/L	Y	—	NQ	11-2564	CASA-11-10828	GELC
R-10 S2	1042	02/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.555	—	—	0.33	mg/L	Y	J	J	11-1359	CASA-11-4573	GELC
R-10 S2	1042	11/17/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-578	CASA-11-1367	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.532	0.67	2.228	—	pCi/L	Y	U	UJ	12-1530	CASA-12-21767	ARSL
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.7406	0.7084	2.415	—	pCi/L	Y	U	U	11-3132	CASA-11-24773	ARSL
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.3542	0.6762	2.3184	—	pCi/L	Y	U	U	11-2590	CASA-11-10828	ARSL
R-10 S2	1042	11/17/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	34.454	5.313	2.6082	—	pCi/L	N	—	R	11-571	CASA-11-1367	ARSL
R-10 S2	1042	11/17/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.288	0.805	2.6082	—	pCi/L	Y	U	U	11-571	CASA-11-1367	ARSL
R-10 S2	1042	05/05/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.1574	0.6762	1.932	—	pCi/L	N	—	R	10-3122	CASA-10-16771	ARSL
R-10 S2	1042	05/05/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.3828	0.7084	1.932	—	pCi/L	Y	—	NQ	10-3122	CASA-10-16771	ARSL
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.39	—	—	0.067	µg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.42	—	—	0.067	µg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.38	—	—	0.067	µg/L	Y	—	NQ	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.53	—	—	0.067	µg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.44	—	—	0.05	µg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.78	0.0516	0.0859	—	pCi/L	Y	—	NQ	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.876	0.078	0.05	—	pCi/L	Y	—	NQ	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.84	0.072	0.058	—	pCi/L	Y	—	NQ	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.636	0.062	0.072	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.93	0.1	0.08	—	pCi/L	Y	—	NQ	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0199	0.0119	0.0555	—	pCi/L	Y	U	U	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0274	0.0093	0.031	—	pCi/L	Y	U	U	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0334	0.01	0.033	—	pCi/L	Y	—	NQ	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0241	0.0093	0.043	—	pCi/L	Y	U	U	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.05	0.018	0.063	—	pCi/L	Y	U	U	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.405	0.0367	0.0436	—	pCi/L	Y	—	NQ	12-1513	CASA-12-21767	GELC
R-10 S2	1042	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.446	0.046	0.039	—	pCi/L	Y	—	NQ	11-3127	CASA-11-24773	GELC
R-10 S2	1042	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.41	0.041	0.026	—	pCi/L	Y	—	NQ	11-2565	CASA-11-10828	GELC
R-10 S2	1042	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.337	0.039	0.05	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22718	GELC
R-10 S2	1042	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.447	0.059	0.057	—	pCi/L	Y	—	NQ	10-1777	CASA-10-9479	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21773	GELC
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.5	—	—	1	µg/L	Y	—	NQ	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.3	—	—	1	µg/L	Y	—	J	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	10.7	—	—	1	µg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.8	—	—	1	µg/L	Y	—	NQ	11-578	CASA-11-1366	GELC
R-10 S2	1042	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.77	—	—	3.3	µg/L	Y	J	J	12-1513	CASA-12-21773	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10 S2	1042	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.9	—	—	3.3	µg/L	Y	J	J	11-3127	CASA-11-24772	GELC
R-10 S2	1042	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.49	—	—	3.3	µg/L	Y	J	J	11-2564	CASA-11-10829	GELC
R-10 S2	1042	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	20.4	—	—	3.3	µg/L	Y	—	NQ	11-1359	CASA-11-4574	GELC
R-10 S2	1042	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.95	—	—	3.3	µg/L	Y	J	J	11-578	CASA-11-1366	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	J-	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	J-	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	J-	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	J-	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	93.8	—	—	0.725	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.3	—	—	0.725	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	93.4	—	—	0.73	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	95.7	—	—	0.73	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.7	—	—	0.73	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	91	—	—	0.73	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0231	0.00913	0.0396	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.004	0.0387	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00184	0.0032	0.014	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00399	0.004	0.028	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00154	0.0018	0.033	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00626	0.0047	0.038	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.216	—	—	0.017	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0459	—	—	0.017	mg/L	Y	J	U	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0297	—	—	0.016	mg/L	Y	J	J	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.017	—	—	0.016	mg/L	Y	J	J	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.84	—	—	1.7	µg/L	Y	J	J	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	1.7	—	—	1.7	µg/L	Y	U	U	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.03	—	—	1.7	µg/L	Y	J	J	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.42	—	—	1.5	µg/L	Y	J	J	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	77	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	74.6	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	80.7	—	—	1	µg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	76	—	—	1	µg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	77.6	—	—	1	µg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	79.3	—	—	1	µg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.2	—	—	15	µg/L	Y	J	J	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	17.1	—	—	15	µg/L	Y	J	J	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.7	—	—	15	µg/L	Y	J	J	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.3	—	—	15	µg/L	Y	J	J	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.1	—	—	15	µg/L	Y	J	J	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.3	—	—	15	µg/L	Y	J	J	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.118	—	—	0.067	mg/L	Y	J	J	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.115	—	—	0.067	mg/L	Y	J	J	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.119	—	—	0.066	mg/L	Y	J	J	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.101	—	—	0.066	mg/L	Y	J	J	11-1368	CASA-11-4575	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	27.8	—	—	0.05	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.6	—	—	0.05	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	28.7	—	—	0.05	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	27.4	—	—	0.05	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	27.7	—	—	0.05	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.9	—	—	0.05	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.73	1.82	4.46	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.36	1.54	5.18	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.658	1.5	4.8	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.72	1.9	5.5	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.4	1.6	5.6	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.47	1.6	5.6	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6	—	—	0.067	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.01	—	—	0.067	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.16	—	—	0.066	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.43	—	—	0.066	mg/L	Y	—	J+	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.12	—	—	0.066	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.96	—	—	0.066	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	Y	0.3	—	—	0.3	µg/L	Y	J	J	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	05/05/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	UJ	10-3068	CASA-10-16773	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.19	—	—	2	µg/L	Y	J	J	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.85	—	—	2	µg/L	Y	J	J	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.13	—	—	2	µg/L	Y	J	J	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.42	—	—	2	µg/L	Y	J	J	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.99	—	—	2	µg/L	Y	J	J	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.54	—	—	2.5	µg/L	Y	J	J	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.97	0.924	4.65	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.12	1.47	5.14	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.38	1.4	4.9	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.391	2	6.7	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.43	1.3	5.8	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.22	1.7	4.9	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.412	—	—	0.033	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.402	—	—	0.033	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.419	—	—	0.033	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.435	—	—	0.033	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.362	—	—	0.033	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.355	—	—	0.033	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.741	0.625	2.17	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.42	0.751	2.11	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.96	1.1	2.3	—	pCi/L	Y	—	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.81	0.91	2.5	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.27	0.66	1.9	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	08/12/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.34	1	2.8	—	pCi/L	Y	U	U	09-2855	CASA-09-10359	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.987	0.753	2.55	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.42	0.834	2.46	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.59	0.88	2.8	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.13	1	2.8	—	pCi/L	Y	—	NQ	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.97	0.87	2.7	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	08/12/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.35	0.77	2	—	pCi/L	Y	—	U	09-2855	CASA-09-10359	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.1	—	—	0.453	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.7	—	—	0.453	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.1	—	—	0.45	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	83.3	—	—	0.45	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.4	—	—	0.45	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.6	—	—	0.35	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.82	—	—	0.11	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.69	—	—	0.11	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.75	—	—	0.11	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.65	—	—	0.11	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.71	—	—	0.11	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.76	—	—	0.085	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.165	µg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.165	µg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.38	—	—	0.17	µg/L	Y	—	U	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.17	µg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.17	µg/L	Y	—	J	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.31	—	—	0.1	µg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.2	2.54	8.59	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.195	2.62	9.47	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.87	2.9	9.7	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.64	3.6	12	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.93	14	45	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	13.1	9.2	21	—	pCi/L	Y	U	U	09-2855	CASA-09-10359	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.03	—	—	0.5	µg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.82	—	—	0.5	µg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.528	—	—	0.5	µg/L	Y	J	J	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.869	—	—	0.5	µg/L	Y	J	J	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.913	—	—	0.5	µg/L	Y	J	J	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.2	—	—	0.085	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.21	—	—	0.085	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.3	—	—	0.05	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.64	—	—	0.05	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.05	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.25	—	—	0.05	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.777	—	—	0.05	µg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.832	—	—	0.05	µg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.831	—	—	0.05	µg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.845	—	—	0.05	µg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.796	—	—	0.05	µg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.887	—	—	0.05	µg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00367	0.00636	0.0247	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00337	0.00583	0.0227	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0022	0.0038	0.038	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00649	0.0057	0.026	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00328	0.0033	0.022	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00798	0.0077	0.047	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00735	0.00735	0.0443	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00673	0.00673	0.0406	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00439	0.0054	0.054	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00216	0.0037	0.04	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00328	0.0028	0.022	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00162	0.005	0.033	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.12	—	—	0.05	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.97	—	—	0.05	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.18	—	—	0.05	mg/L	Y	E	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.01	—	—	0.05	mg/L	Y	—	J	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.05	—	—	0.05	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.23	—	—	0.05	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.16	17.1	66.1	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	34.7	16.7	72.5	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-28.7	25	65	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.9	29	100	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.283	23	80	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25.3	20	76	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	Y	1.51	—	—	1.5	µg/L	Y	J	J	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.11	—	—	1	µg/L	Y	J	J	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54.9	—	—	0.053	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	52.7	—	—	0.053	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	57.3	—	—	0.053	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	53	—	—	0.053	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	52.5	—	—	0.053	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54.9	—	—	0.053	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.2	—	—	0.1	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.161	1.15	4.49	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.62	1.35	4.53	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.73	1.5	4.4	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.78	1.6	6.3	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.37	1.7	6.1	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.481	1.6	5	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	237	—	—	1	µS/cm	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1.73	—	—	1	µS/cm	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	233	—	—	1	µS/cm	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	240	—	—	1	µS/cm	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	242	—	—	1	µS/cm	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	236	—	—	1	µS/cm	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	195	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	187	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	197	—	—	1	µg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	188	—	—	1	µg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	195	—	—	1	µg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	194	—	—	1	µg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00657	0.13	0.497	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0343	0.131	0.484	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0741	0.14	0.49	—	pCi/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.249	0.12	0.49	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.212	0.14	0.46	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.199	0.12	0.48	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.72	—	—	0.133	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.68	—	—	0.133	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.68	—	—	0.1	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	166	—	—	3.4	mg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	3.4	mg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	3.4	mg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	148	—	—	2.4	mg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	180	—	—	2.4	mg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	—	—	2.4	mg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.565	—	—	0.33	mg/L	Y	J	J	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.584	—	—	0.33	mg/L	Y	J	J	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.675	—	—	0.33	mg/L	Y	J	J	11-2564	CASA-11-10830	GELC
R-10a	690	02/15/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.537	—	—	0.33	mg/L	Y	J	J	11-1368	CASA-11-4576	GELC
R-10a	690	11/09/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.703	—	—	0.33	mg/L	Y	J	J	11-457	CASA-11-1368	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.479	0.661	2.201	—	pCi/L	Y	U	UJ	12-1530	CASA-12-21768	ARSL
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.084	0.635	2.157	—	pCi/L	Y	U	UJ	12-1530	CASA-12-21760	ARSL
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.7406	0.6762	2.3184	—	pCi/L	Y	U	U	11-3132	CASA-11-24777	ARSL
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.9338	0.805	2.7048	—	pCi/L	Y	U	U	11-2590	CASA-11-10830	ARSL
R-10a	690	11/09/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.3846	0.644	1.932	—	pCi/L	N	U	R	11-475	CASA-11-1368	ARSL
R-10a	690	11/09/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.3542	0.6118	2.0608	—	pCi/L	Y	U	U	11-475	CASA-11-1368	ARSL
R-10a	690	05/05/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.2898	0.5796	1.8998	—	pCi/L	N	U	R	10-3122	CASA-10-16773	ARSL
R-10a	690	05/05/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.35	0.61	1.9	—	pCi/L	Y	U	U	10-3122	CASA-10-16773	ARSL
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.14	—	—	0.067	µg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	2.06	—	—	0.067	µg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.13	—	—	0.067	µg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.17	—	—	0.067	µg/L	Y	—	NQ	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.59	—	—	0.067	µg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.17	—	—	0.05	µg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.11	0.0585	0.0786	—	pCi/L	Y	—	NQ	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.954	0.0746	0.126	—	pCi/L	Y	—	NQ	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.13	0.092	0.04	—	pCi/L	Y	—	NQ	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.399	0.047	0.084	—	pCi/L	Y	—	NQ	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.19	0.1	0.066	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.15	0.11	0.062	—	pCi/L	Y	—	NQ	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0364	0.0126	0.0508	—	pCi/L	Y	U	U	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0233	0.0185	0.0814	—	pCi/L	Y	U	U	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0342	0.01	0.025	—	pCi/L	Y	—	NQ	11-3120	CASA-11-24777	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0225	0.0093	0.048	—	pCi/L	Y	U	U	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.011	0.04	—	pCi/L	Y	U	U	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0217	0.011	0.049	—	pCi/L	Y	U	U	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.624	0.0431	0.0399	—	pCi/L	Y	—	NQ	12-1513	CASA-12-21768	GELC
R-10a	690	08/22/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.604	0.0542	0.064	—	pCi/L	Y	—	NQ	12-1513	CASA-12-21760	GELC
R-10a	690	08/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.593	0.054	0.031	—	pCi/L	Y	—	NQ	11-3120	CASA-11-24777	GELC
R-10a	690	05/26/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.304	0.038	0.038	—	pCi/L	Y	—	NQ	11-2565	CASA-11-10830	GELC
R-10a	690	07/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.7	0.065	0.045	—	pCi/L	Y	—	NQ	10-3621	CASA-10-22719	GELC
R-10a	690	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.71	0.076	0.044	—	pCi/L	Y	—	NQ	10-1777	CASA-10-9456	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.2	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.99	—	—	1	µg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.19	—	—	1	µg/L	Y	—	NQ	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.55	—	—	1	µg/L	Y	—	J	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.18	—	—	1	µg/L	Y	—	NQ	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.34	—	—	1	µg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-10a	690	08/22/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	11.3	—	—	3.3	µg/L	Y	—	NQ	12-1513	CASA-12-21774	GELC
R-10a	690	08/22/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.9	—	—	3.3	µg/L	Y	—	NQ	12-1513	CASA-12-21761	GELC
R-10a	690	08/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.03	—	—	3.3	µg/L	Y	J	J	11-3120	CASA-11-24776	GELC
R-10a	690	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.79	—	—	3.3	µg/L	Y	J	J	11-2564	CASA-11-10831	GELC
R-10a	690	02/15/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.85	—	—	3.3	µg/L	Y	J	J	11-1368	CASA-11-4575	GELC
R-10a	690	11/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	16.4	—	—	3.3	µg/L	Y	—	NQ	11-457	CASA-11-1369	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	—	—	0.01	SU	Y	H	J-	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	J-	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.21	—	—	0.01	SU	Y	H	J-	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.28	—	—	0.01	SU	Y	H	J-	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.1	—	—	0.725	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.2	—	—	0.73	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.3	—	—	0.73	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.2	—	—	0.73	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.2	—	—	0.73	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00522	0.0064	0.0358	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-6.3E-05	0.0023	0.029	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00205	0.0036	0.037	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00136	0.0015	0.028	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00593	0.0034	0.026	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.367	—	—	0.017	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.286	—	—	0.016	mg/L	Y	—	J	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.352	—	—	0.016	mg/L	Y	—	J	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.32	—	—	0.016	mg/L	Y	—	J	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.243	—	—	0.016	mg/L	Y	—	J	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.51	—	—	1.7	µg/L	Y	J	J	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.35	—	—	1.5	µg/L	Y	J	J	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	52.4	—	—	1	µg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	50.5	—	—	1	µg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	53	—	—	1	µg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.1	—	—	1	µg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	42.4	—	—	1	µg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S1	459	08/20/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	Y	14.7	—	—	6.32	µg/L	Y	J	J	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.7	—	—	6.5	µg/L	Y	U	U	11-589	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22	—	—	6.6	µg/L	Y	U	U	10-1773	CASA-10-9446	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	20.6	—	—	6.2	µg/L	Y	U	U	10-1773	CASA-10-9444	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22.2	—	—	6.7	µg/L	Y	U	U	10-482	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	23.8	—	—	7.1	µg/L	Y	U	U	09-2798	CASA-09-10382	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22.9	—	—	6.9	µg/L	Y	U	U	09-2798	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	53.4	—	—	15	µg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	53.3	—	—	15	µg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	54.2	—	—	15	µg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	43.6	—	—	15	µg/L	Y	J	J	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	33	—	—	15	µg/L	Y	J	J	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.121	—	—	0.067	mg/L	Y	J	J	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.12	—	—	0.066	mg/L	Y	J	J	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.106	—	—	0.066	mg/L	Y	J	J	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0983	—	—	0.066	mg/L	Y	J	J	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.102	—	—	0.066	mg/L	Y	J	J	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	30.6	—	—	0.05	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	30.6	—	—	0.05	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	31	—	—	0.05	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	27	—	—	0.05	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.3	—	—	0.05	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.764	1.49	5.4	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.27	1.6	5.7	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.8	1.5	4.1	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.49	1.3	4.5	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.46	1.4	4.7	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	19.8	—	—	0.134	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	19.6	—	—	0.066	mg/L	Y	—	J+	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	18.9	—	—	0.13	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.3	—	—	0.066	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	14.7	—	—	0.066	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	Y	0.32	—	—	0.3	µg/L	Y	J	J	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	11-589	CASA-11-1356	GELC
R-12 S1	459	05/05/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	UJ	10-3058	CASA-10-16747	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	10-1773	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	1	—	—	0.3	µg/L	Y	U	U	10-482	CASA-10-3822	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.724	1.14	4.7	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.53	1.4	5.1	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.24	2	5.2	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0479	1.4	4.6	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0743	1.1	3.6	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.321	—	—	0.033	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.321	—	—	0.033	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.291	—	—	0.033	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.272	—	—	0.033	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.301	—	—	0.033	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.962	0.581	1.7	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.4	0.74	2.1	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.73	1.1	2.4	—	pCi/L	Y	—	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.522	0.7	2.7	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S1	459	05/07/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.816	0.56	1.9	—	pCi/L	Y	U	U	09-1788	CASA-09-8276	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.829	0.68	2.29	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.06	0.84	2.1	—	pCi/L	Y	—	NQ	11-590	CASA-11-1356	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.02	0.85	2.9	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.9	0.85	2.6	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	05/07/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.27	1.2	2.8	—	pCi/L	Y	—	NQ	09-1788	CASA-09-8276	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	101	—	—	0.453	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	101	—	—	0.45	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	103	—	—	0.35	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	90.1	—	—	0.35	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.4	—	—	0.35	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	46.7	—	—	30	µg/L	Y	J	J	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	50.5	—	—	30	µg/L	Y	J	J	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	61.6	—	—	30	µg/L	Y	J	J	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	65.6	—	—	30	µg/L	Y	J	J	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	97.5	—	—	30	µg/L	Y	J	U	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.03	—	—	0.11	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.94	—	—	0.11	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.28	—	—	0.085	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.49	—	—	0.085	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.01	—	—	0.085	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	138	—	—	2	µg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	148	—	—	2	µg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	167	—	—	2	µg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	142	—	—	2	µg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	131	—	—	2	µg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.38	—	—	0.165	µg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.19	—	—	0.17	µg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.61	—	—	0.1	µg/L	Y	—	J	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.24	—	—	0.1	µg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.19	—	—	0.1	µg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.84	2.77	10.4	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.213	3.3	11	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-11.5	14	47	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-21.4	11	32	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.199	9.8	33	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.87	—	—	0.5	µg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.55	—	—	0.5	µg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.44	—	—	0.5	µg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.22	—	—	0.5	µg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.81	—	—	0.5	µg/L	Y	J	J	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.03	—	—	0.085	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.39	—	—	0.05	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.17	—	—	0.01	mg/L	Y	—	J	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.09	—	—	0.05	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.85	—	—	0.05	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.478	—	—	0.05	µg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.326	—	—	0.05	µg/L	Y	—	J	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.417	—	—	0.05	µg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.282	—	—	0.05	µg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.258	—	—	0.05	µg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00337	0.016	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00234	0.0023	0.027	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00841	0.0049	0.046	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-2.2E-09	0.011	0.037	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00175	0.0063	0.026	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00238	0.00631	0.0287	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0023	0.048	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00919	0.006	0.032	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-1.1E-09	0.0064	0.037	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	1.04E-10	0.0025	0.032	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.49	—	—	0.05	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.56	—	—	0.05	mg/L	Y	—	J	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.59	—	—	0.05	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.2	—	—	0.05	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.95	—	—	0.05	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.3	16.4	64.6	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.44	19	65	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.5	19	70	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	26	24	51	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.8	19	65	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	42	—	—	0.053	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.9	—	—	0.053	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	44	—	—	0.053	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.2	—	—	0.053	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.8	—	—	0.053	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.2	—	—	0.1	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.3	—	—	0.1	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.244	1.28	4.67	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.908	1.3	3.9	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.41	1.7	4.4	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.52	1.6	5.7	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.363	1.4	4.4	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	283	—	—	1	µS/cm	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	260	—	—	1	µS/cm	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	280	—	—	1	µS/cm	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	255	—	—	1	µS/cm	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	226	—	—	1	µS/cm	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	135	—	—	1	µg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	129	—	—	1	µg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	136	—	—	1	µg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	121	—	—	1	µg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	112	—	—	1	µg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.069	0.137	0.495	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0985	0.13	0.45	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0637	0.13	0.48	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.168	0.093	0.4	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.142	0.13	0.42	—	pCi/L	Y	U	U	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	—	0.133	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.72	—	—	0.1	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.76	—	—	0.1	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	2.4	mg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	2.4	mg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	2.4	mg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	152	—	—	2.4	mg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.219	—	—	0.035	mg/L	Y	—	NQ	12-1510	CASA-12-21769	GELC
R-12 S1	459	06/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.234	—	—	0.035	mg/L	Y	—	NQ	11-2618	CASA-11-10823	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.202	—	—	0.033	mg/L	Y	—	J-	11-589	CASA-11-1356	GELC
R-12 S1	459	05/05/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.268	—	—	0.033	mg/L	Y	—	J+	10-3059	CASA-10-16747	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.045	—	—	0.033	mg/L	Y	J	J-	10-1773	CASA-10-9446	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.15	—	—	0.33	mg/L	Y	—	NQ	12-1510	CASA-12-21769	GELC
R-12 S1	459	06/03/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.632	—	—	0.33	mg/L	Y	J	J	11-2618	CASA-11-10823	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.976	—	—	0.33	mg/L	Y	J	J	11-589	CASA-11-1356	GELC
R-12 S1	459	05/05/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.77	—	—	0.33	mg/L	Y	J	J	10-3059	CASA-10-16747	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.11	—	—	0.33	mg/L	Y	—	NQ	10-1773	CASA-10-9446	GELC
R-12 S1	459	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.04	—	—	0.067	µg/L	Y	—	NQ	12-1510	CASA-12-21775	GELC
R-12 S1	459	06/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.797	—	—	0.067	µg/L	Y	—	NQ	11-2618	CASA-11-10822	GELC
R-12 S1	459	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.07	—	—	0.05	µg/L	Y	—	NQ	11-590	CASA-11-1357	GELC
R-12 S1	459	05/05/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.786	—	—	0.05	µg/L	Y	—	NQ	10-3059	CASA-10-16748	GELC
R-12 S1	459	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.774	—	—	0.05	µg/L	Y	—	NQ	10-1774	CASA-10-9443	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.53	0.0385	0.0662	—	pCi/L	Y	—	NQ	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.481	0.049	0.053	—	pCi/L	Y	—	NQ	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.416	0.052	0.065	—	pCi/L	Y	—	NQ	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.323	0.033	0.06	—	pCi/L	Y	—	NQ	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.233	0.027	0.069	—	pCi/L	Y	—	J-	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0184	0.00867	0.0428	—	pCi/L	Y	U	U	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0283	0.0097	0.035	—	pCi/L	Y	U	U	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.033	0.014	0.052	—	pCi/L	Y	U	U	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0186	0.0081	0.03	—	pCi/L	Y	U	U	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0045	0.034	—	pCi/L	Y	U	UJ	09-2800	CASA-09-10380	GELC
R-12 S1	459	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.315	0.0282	0.0336	—	pCi/L	Y	—	NQ	12-1510	CASA-12-21769	GELC
R-12 S1	459	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.224	0.029	0.035	—	pCi/L	Y	—	NQ	11-590	CASA-11-1356	GELC
R-12 S1	459	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.224	0.035	0.046	—	pCi/L	Y	—	NQ	10-1774	CASA-10-9446	GELC
R-12 S1	459	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.196	0.023	0.037	—	pCi/L	Y	—	NQ	10-483	CASA-10-3822	GELC
R-12 S1	459	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.107	0.016	0.034	—	pCi/L	Y	—	J-	09-2800	CASA-09-10380	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	J-	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	—	—	0.01	SU	Y	H	J-	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	—	—	0.01	SU	Y	H	J-	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	J-	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.3	—	—	0.725	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.8	—	—	0.73	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.6	—	—	0.73	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.1	—	—	0.73	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.1	—	—	0.73	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00673	0.00594	0.0308	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00554	0.0039	0.04	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00655	0.0037	0.033	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00493	0.0028	0.03	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0015	0.0019	0.023	—	pCi/L	Y	U	UJ	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.49	—	—	1.7	µg/L	Y	J	J	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.52	—	—	1.5	µg/L	Y	J	J	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.87	—	—	1.5	µg/L	Y	J	J	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	13.2	—	—	1	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	11.6	—	—	1	µg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	13.5	—	—	1	µg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	12	—	—	1	µg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	12.2	—	—	1	µg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	Y	14.7	—	—	6.32	µg/L	Y	J	J	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22.2	—	—	6.7	µg/L	Y	U	U	11-589	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22	—	—	6.6	µg/L	Y	U	U	10-1773	CASA-10-9447	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.7	—	—	6.5	µg/L	Y	U	U	10-1773	CASA-10-9450	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.1	—	—	6.3	µg/L	Y	U	U	10-482	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.4	—	—	6.4	µg/L	Y	U	U	09-2798	CASA-09-10386	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.3	—	—	6.4	µg/L	Y	U	U	09-2798	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.5	—	—	15	µg/L	Y	J	J	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.8	—	—	15	µg/L	Y	J	J	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.3	—	—	15	µg/L	Y	J	J	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.7	—	—	15	µg/L	Y	J	J	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0951	—	—	0.067	mg/L	Y	J	J	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.103	—	—	0.066	mg/L	Y	J	J	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0983	—	—	0.066	mg/L	Y	J	J	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.3	—	—	0.05	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.6	—	—	0.05	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.3	—	—	0.05	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.6	—	—	0.05	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.848	1.38	5.01	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.18	1.7	5.1	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.441	1.8	5.8	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0936	1.6	5.1	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.02	1.5	3.7	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.23	—	—	0.067	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.73	—	—	0.066	mg/L	Y	—	J+	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.39	—	—	0.066	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.92	—	—	0.066	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.07	—	—	0.066	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.00691	1.5	5.91	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.42	2	7.2	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.97	1.7	6.5	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.801	1.6	5.6	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.33	1.2	3.4	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.307	—	—	0.033	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.33	—	—	0.033	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.318	—	—	0.033	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.32	—	—	0.033	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.308	—	—	0.033	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.375	0.501	2.41	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.82	0.61	2	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.989	0.76	2.6	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.435	0.62	2.5	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	04/29/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0541	0.34	1.2	—	pCi/L	Y	U	U	09-1663	CASA-09-8279	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.37	0.858	2.83	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.17	0.72	2.3	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.75	1.3	3.3	—	pCi/L	Y	—	NQ	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.54	0.68	2.2	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	04/29/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.64	0.93	2.7	—	pCi/L	Y	—	NQ	09-1663	CASA-09-8279	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.7	—	—	0.453	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.6	—	—	0.45	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63	—	—	0.35	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.5	—	—	0.35	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.8	—	—	0.35	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.88	—	—	0.11	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.72	—	—	0.11	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.02	—	—	0.085	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.7	—	—	0.085	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.84	—	—	0.085	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	31.6	—	—	2	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	31.5	—	—	2	µg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	38	—	—	2	µg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	36.9	—	—	2	µg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	36.9	—	—	2	µg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.165	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.39	—	—	0.17	µg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.95	—	—	0.1	µg/L	Y	—	U	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.54	—	—	0.1	µg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.1	µg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.608	3.11	11.2	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.98	3.6	11	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-11.6	8.5	26	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.07	10	33	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	11.4	9.1	31	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.51	—	—	0.085	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.11	—	—	0.05	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.132	—	—	0.01	mg/L	Y	—	J	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.07	—	—	0.05	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.09	—	—	0.05	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.901	—	—	0.05	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.954	—	—	0.05	µg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.939	—	—	0.05	µg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.846	—	—	0.05	µg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.907	—	—	0.1	µg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00488	0.0164	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0018	0.021	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0234	0.011	0.051	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00745	0.011	0.031	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00952	0.01	0.036	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00488	0.00488	0.0294	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0233	0.0074	0.038	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0237	0.0083	0.035	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0168	0.0068	0.031	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00238	0.0041	0.044	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.22	—	—	0.05	mg/L	Y	—	J	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.55	—	—	0.05	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.27	—	—	0.05	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.27	—	—	0.05	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.36	17.5	71.5	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3	19	65	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.5	24	85	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.4	16	51	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-27.5	20	57	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48	—	—	0.053	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.4	—	—	0.053	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48.8	—	—	0.053	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.7	—	—	0.053	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	47.2	—	—	0.053	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.78	—	—	0.1	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0886	1.27	4.98	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.51	2.1	6.2	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.4	1.8	6.3	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.102	1.5	4.8	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.66	1.1	4.6	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	169	—	—	1	µS/cm	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175	—	—	1	µS/cm	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175	—	—	1	µS/cm	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	164	—	—	1	µS/cm	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	73.1	—	—	1	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.1	—	—	1	µg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	74.2	—	—	1	µg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	73.2	—	—	1	µg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	72.2	—	—	1	µg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.211	0.147	0.49	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.319	0.13	0.4	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.103	0.12	0.48	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0289	0.13	0.53	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.351	0.14	0.43	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.88	—	—	0.133	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.52	—	—	0.1	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.97	—	—	0.1	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.52	—	—	0.1	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.98	—	—	0.1	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	85.7	—	—	3.4	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	2.4	mg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	2.4	mg/L	Y	—	NQ	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	148	—	—	2.4	mg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	128	—	—	2.4	mg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.706	—	—	0.33	mg/L	Y	J	J	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	05/26/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.703	—	—	0.33	mg/L	Y	J	J	11-2564	CASA-11-10824	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.493	—	—	0.33	mg/L	Y	J	J	11-589	CASA-11-1359	GELC
R-12 S2	504.5	05/17/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.695	—	—	0.33	mg/L	Y	J	J	10-3195	CASA-10-16749	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.662	—	—	0.33	mg/L	Y	J	J	10-1773	CASA-10-9447	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.45	—	—	0.067	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.433	—	—	0.067	µg/L	Y	—	NQ	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.492	—	—	0.05	µg/L	Y	—	U	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.504	—	—	0.05	µg/L	Y	—	NQ	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.525	—	—	0.05	µg/L	Y	—	NQ	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.273	0.0279	0.0617	—	pCi/L	Y	—	NQ	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.319	0.04	0.064	—	pCi/L	Y	—	NQ	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.311	0.042	0.062	—	pCi/L	Y	—	NQ	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.299	0.033	0.065	—	pCi/L	Y	—	NQ	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.262	0.028	0.063	—	pCi/L	Y	—	NQ	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00286	0.00756	0.0398	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.262	0.028	0.063	—	pCi/L	Y	—	NQ	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00286	0.00756	0.0398	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0113	0.0066	0.042	—	pCi/L	Y	U	U	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0363	0.014	0.049	—	pCi/L	Y	U	U	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0203	0.0082	0.033	—	pCi/L	Y	U	U	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00204	0.0046	0.031	—	pCi/L	Y	U	U	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.127	0.0177	0.0313	—	pCi/L	Y	—	NQ	12-1510	CASA-12-21770	GELC
R-12 S2	504.5	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.196	0.028	0.043	—	pCi/L	Y	—	NQ	11-590	CASA-11-1359	GELC
R-12 S2	504.5	02/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.127	0.025	0.044	—	pCi/L	Y	—	NQ	10-1774	CASA-10-9447	GELC
R-12 S2	504.5	11/12/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.142	0.021	0.04	—	pCi/L	Y	—	NQ	10-483	CASA-10-3825	GELC
R-12 S2	504.5	08/05/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0975	0.016	0.031	—	pCi/L	Y	—	NQ	09-2800	CASA-09-10383	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.93	—	—	1	µg/L	Y	J	J	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	3.48	—	—	1	µg/L	Y	J	U	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.99	—	—	1	µg/L	Y	J	J	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.49	—	—	1	µg/L	Y	J	J	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.79	—	—	1	µg/L	Y	J	J	10-1774	CASA-10-9448	GELC
R-12 S2	504.5	08/20/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.08	—	—	3.3	µg/L	Y	J	J	12-1510	CASA-12-21776	GELC
R-12 S2	504.5	05/26/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2564	CASA-11-10825	GELC
R-12 S2	504.5	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-590	CASA-11-1358	GELC
R-12 S2	504.5	05/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-3195	CASA-10-16751	GELC
R-12 S2	504.5	02/09/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-1774	CASA-10-9448	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	—	—	0.01	SU	Y	H	J-	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	—	—	0.01	SU	Y	H	J-	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	J-	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	J-	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	J-	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	J-	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.9	—	—	0.725	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.5	—	—	0.73	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77	—	—	0.73	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.1	—	—	0.73	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.3	—	—	0.73	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.1	—	—	0.73	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.3	—	—	0.73	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0194	0.00941	0.0296	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00642	0.0054	0.03	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0107	0.0057	0.021	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00853	0.0052	0.03	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00468	0.0056	0.035	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0328	—	—	0.017	mg/L	Y	J	J+	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.08	—	—	0.016	mg/L	Y	—	J-	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	07/12/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	10-3657	CAMO-10-22894	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.08	—	—	1.7	µg/L	Y	J	J	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.91	—	—	1.7	µg/L	Y	J	J	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2	—	—	1.5	µg/L	Y	J	J	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.5	—	—	1	µg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.4	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.9	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.5	—	—	1	µg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.9	—	—	1	µg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.5	—	—	1	µg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.9	—	—	1	µg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20	—	—	15	µg/L	Y	J	J	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.3	—	—	15	µg/L	Y	J	J	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	21	—	—	15	µg/L	Y	J	J	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.4	—	—	15	µg/L	Y	J	J	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	16.9	—	—	15	µg/L	Y	J	J	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19	—	—	15	µg/L	Y	J	J	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.3	—	—	15	µg/L	Y	J	J	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.5	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.1	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.6	—	—	0.05	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18	—	—	0.05	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.9	—	—	0.05	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.869	1.62	5.71	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.331	1.3	4.5	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.665	1.2	4.2	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.52	1.1	3.6	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.33	1.7	5	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.54	—	—	0.067	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.58	—	—	0.066	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.59	—	—	0.066	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.5	—	—	0.066	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.62	—	—	0.066	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.61	—	—	0.066	mg/L	Y	—	J+	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.52	—	—	0.066	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.54	—	—	2	µg/L	Y	J	J	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.18	—	—	2	µg/L	Y	J	J	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.92	—	—	2	µg/L	Y	J	J	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.3	—	—	2	µg/L	Y	J	J	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.07	—	—	2	µg/L	Y	J	J	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.57	—	—	2.5	µg/L	Y	J	J	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.42	1.62	5.39	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.962	1.6	5	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.828	1.3	4	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.388	1.1	3.7	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.591	1.9	6.5	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.35	—	—	0.033	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.343	—	—	0.033	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.311	—	—	0.033	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.354	—	—	0.033	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.349	—	—	0.033	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.343	—	—	0.033	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0397	0.428	2.24	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.771	0.45	2.7	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.59	0.8	2.2	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.29	0.72	2.1	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	03/08/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.353	0.4	1.46	—	pCi/L	Y	U	U	182192	GU07030G16R201	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.05	0.845	2.33	—	pCi/L	Y	—	NQ	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.83	1	2.6	—	pCi/L	Y	—	NQ	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.0574	0.67	2.5	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.33	0.7	2.2	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.29	0.8	2.6	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.8	—	—	0.453	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.5	—	—	0.45	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60	—	—	0.45	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.6	—	—	0.45	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.1	—	—	0.45	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.2	—	—	0.45	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.8	—	—	0.35	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.81	—	—	0.11	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.77	—	—	0.11	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.8	—	—	0.11	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.65	—	—	0.11	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.51	—	—	0.11	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.67	—	—	0.11	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.75	—	—	0.085	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	13.9	—	—	2	µg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	12.3	—	—	2	µg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	12.8	—	—	2	µg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	11.1	—	—	2	µg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	10.1	—	—	2	µg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	10.2	—	—	2	µg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	18.1	—	—	2	µg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.165	µg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.17	µg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.17	µg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.971	—	—	0.17	µg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.17	µg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.17	µg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.48	—	—	0.1	µg/L	Y	—	U	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.88	3.18	11.2	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	7.84	3.1	11	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.58	2.3	7.9	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	19.8	12	30	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	36.3	15	49	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.971	—	—	0.5	µg/L	Y	J	J	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.591	—	—	0.5	µg/L	Y	J	J	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.661	—	—	0.5	µg/L	Y	J	J	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.589	—	—	0.5	µg/L	Y	J	J	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.554	—	—	0.5	µg/L	Y	J	J	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.754	—	—	0.5	µg/L	Y	J	J	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.39	—	—	0.5	µg/L	Y	J	J	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.875	—	—	0.085	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.181	—	—	0.01	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.191	—	—	0.01	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.535	—	—	0.05	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.488	—	—	0.05	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.433	—	—	0.05	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.196	—	—	0.05	mg/L	Y	J	U	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.447	—	—	0.05	µg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.429	—	—	0.05	µg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.433	—	—	0.05	µg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.433	—	—	0.05	µg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.427	—	—	0.05	µg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.453	—	—	0.05	µg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.414	—	—	0.05	µg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00593	0.02	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00227	0.0032	0.03	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0021	0.034	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00403	0.0035	0.034	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00276	0.0048	0.045	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00297	0.00663	0.0357	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00227	0.0039	0.031	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0106	0.0077	0.031	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00201	0.0035	0.023	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00552	0.0096	0.045	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.98	—	—	0.05	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.93	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.01	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.86	—	—	0.05	mg/L	Y	—	J	11-2573	CAMO-11-10753	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.71	—	—	0.05	mg/L	Y	—	J	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.85	—	—	0.05	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.07	—	—	0.05	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.77	23.4	88.8	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.2	18	70	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.1	19	59	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.2	23	37	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.43	23	75	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	56.7	—	—	0.053	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	57.7	—	—	0.053	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	56.5	—	—	0.053	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	53.9	—	—	0.053	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	49.7	—	—	0.053	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	55.5	—	—	0.053	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54.4	—	—	0.053	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.04	1.56	6.29	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.95	1.6	4.8	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.197	1.3	4.3	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.307	1	3.3	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.97	2.1	7.2	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	172	—	—	1	µS/cm	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	µS/cm	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	µS/cm	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175	—	—	1	µS/cm	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	1	µS/cm	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	186	—	—	1	µg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	195	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	191	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	161	—	—	1	µg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	177	—	—	1	µg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	185	—	—	1	µg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	185	—	—	1	µg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.258	0.155	0.51	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0528	0.13	0.48	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.203	0.12	0.49	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0607	0.092	0.37	—	pCi/L	Y	U	U	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0121	0.13	0.45	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.74	—	—	0.133	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.84	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.88	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.72	—	—	0.1	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.79	—	—	0.1	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.82	—	—	0.1	mg/L	Y	—	J+	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.7	—	—	0.1	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	84.3	—	—	3.4	mg/L	Y	—	J	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	95.7	—	—	3.4	mg/L	Y	—	J	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	2.4	mg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	2.4	mg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	138	—	—	2.4	mg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.67	—	—	0.33	mg/L	Y	J	J	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	08/18/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3264	CAMO-11-24695	GELC
R-16 S2	863.4	08/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3264	CAMO-11-24691	GELC
R-16 S2	863.4	05/27/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.683	—	—	0.33	mg/L	Y	J	J	11-2572	CAMO-11-10756	GELC
R-16 S2	863.4	05/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.701	—	—	0.33	mg/L	Y	J	J	11-2572	CAMO-11-10755	GELC
R-16 S2	863.4	02/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.607	—	—	0.33	mg/L	Y	J	J	11-1381	CAMO-11-4641	GELC
R-16 S2	863.4	11/17/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.49	—	—	0.33	mg/L	Y	J	J	11-583	CAMO-11-1288	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0173	—	—	0.017	mg/L	Y	J	J	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0621	—	—	0.015	mg/L	Y	—	U	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0378	—	—	0.015	mg/L	Y	J	U	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.064	—	—	0.015	mg/L	Y	—	U	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.04	—	—	0.015	mg/L	Y	J	U	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	—	—	0.015	mg/L	Y	J	U	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.24	—	—	0.067	µg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.14	—	—	0.067	µg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.2	—	—	0.067	µg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.03	—	—	0.067	µg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.07	—	—	0.067	µg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.22	—	—	0.067	µg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.2	—	—	0.05	µg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.568	0.0457	0.0846	—	pCi/L	Y	—	J	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.617	0.072	0.15	—	pCi/L	Y	—	NQ	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.597	0.065	0.059	—	pCi/L	Y	—	NQ	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.587	0.051	0.047	—	pCi/L	Y	—	NQ	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.534	0.049	0.073	—	pCi/L	Y	—	NQ	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0274	0.013	0.0546	—	pCi/L	Y	U	U	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.013	0.07	—	pCi/L	Y	U	U	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0223	0.01	0.054	—	pCi/L	Y	U	U	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0332	0.0086	0.027	—	pCi/L	Y	—	NQ	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0251	0.0081	0.037	—	pCi/L	Y	U	U	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.367	0.035	0.0429	—	pCi/L	Y	—	J	12-1492	CAMO-12-21785	GELC
R-16 S2	863.4	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.434	0.056	0.09	—	pCi/L	Y	—	NQ	10-3657	CAMO-10-22896	GELC
R-16 S2	863.4	05/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.387	0.047	0.054	—	pCi/L	Y	—	NQ	10-3019	CAMO-10-16855	GELC
R-16 S2	863.4	02/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.356	0.035	0.03	—	pCi/L	Y	—	NQ	10-1722	CAMO-10-9388	GELC
R-16 S2	863.4	11/19/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.337	0.035	0.045	—	pCi/L	Y	—	NQ	10-633	CAMO-10-3150	GELC
R-16 S2	863.4	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.5	—	—	1	µg/L	Y	—	NQ	12-1492	CAMO-12-21794	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.6	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24692	GELC
R-16 S2	863.4	08/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.7	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24693	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.2	—	—	1	µg/L	Y	—	NQ	11-2573	CAMO-11-10753	GELC
R-16 S2	863.4	05/27/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.8	—	—	1	µg/L	Y	—	NQ	11-2573	CAMO-11-10757	GELC
R-16 S2	863.4	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.8	—	—	1	µg/L	Y	—	NQ	11-1382	CAMO-11-4643	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.6	—	—	1	µg/L	Y	—	NQ	11-585	CAMO-11-1287	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	J-	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	J-	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	J-	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.22	—	—	0.01	SU	Y	H	J-	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	—	—	0.01	SU	Y	H	J-	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.5	—	—	0.725	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.3	—	—	0.73	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	100	—	—	0.73	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.7	—	—	0.73	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.4	—	—	0.73	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.9	—	—	0.73	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0263	0.00971	0.0278	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00627	0.0029	0.024	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.005	0.0024	0.03	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0066	0.0041	0.029	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0133	0.0046	0.029	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00882	0.0043	0.021	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.033	—	—	0.017	mg/L	Y	J	J	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.044	—	—	0.016	mg/L	Y	J	J-	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.048	—	—	0.016	mg/L	Y	J	J-	11-585	CAMO-11-1306	GELC
R-16 S4	1237	07/12/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	10-3657	CAMO-10-22898	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.37	—	—	1.7	µg/L	Y	J	J	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.65	—	—	1.7	µg/L	Y	J	J	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	1.84	—	—	1.5	µg/L	Y	J	J	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.39	—	—	1.5	µg/L	Y	J	J	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.5	—	—	1	µg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.6	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.4	—	—	1	µg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.7	—	—	1	µg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.2	—	—	1	µg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.5	—	—	1	µg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.6	—	—	15	µg/L	Y	J	J	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25	—	—	15	µg/L	Y	J	J	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.7	—	—	15	µg/L	Y	J	J	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.9	—	—	15	µg/L	Y	J	J	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	23.6	—	—	15	µg/L	Y	J	J	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.8	—	—	15	µg/L	Y	J	J	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.1	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21	—	—	0.05	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.3	—	—	0.05	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.9	—	—	0.05	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.527	1.64	5.92	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.88	1.5	5.5	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.6	1.2	4.4	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.619	1.4	4.5	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.705	1.6	5.3	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.473	1.2	4.1	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.067	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.066	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.31	—	—	0.066	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.41	—	—	0.066	mg/L	Y	—	J+	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.066	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.066	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.628	1.29	5.25	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.127	1.4	4.5	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.59	1.4	4.2	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.31	1.5	5.5	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.108	1.4	4.5	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.92	1.3	3.6	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.37	—	—	0.033	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.364	—	—	0.033	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.37	—	—	0.033	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.353	—	—	0.033	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.349	—	—	0.033	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.35	—	—	0.033	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.6	0.768	2.11	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.936	0.86	3	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.52	0.77	2.1	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.56	0.78	2.1	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.79	0.9	2.6	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.5	0.82	2.4	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.39	0.619	1.91	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.38	1	2.3	—	pCi/L	Y	—	NQ	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.57	0.92	2.2	—	pCi/L	Y	—	NQ	11-585	CAMO-11-1305	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.53	0.92	2.2	—	pCi/L	Y	—	NQ	11-585	CAMO-11-1308	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.35	0.89	2.9	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.8	0.88	2.4	—	pCi/L	Y	—	NQ	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.4	—	—	0.453	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.6	—	—	0.45	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.8	—	—	0.45	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.4	—	—	0.45	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.1	—	—	0.35	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.9	—	—	0.35	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.49	—	—	0.11	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.54	—	—	0.11	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.43	—	—	0.11	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.45	—	—	0.11	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.66	—	—	0.085	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.66	—	—	0.085	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	66.2	—	—	2	µg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	54.9	—	—	2	µg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	40.4	—	—	2	µg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	28.4	—	—	2	µg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	8.2	—	—	2	µg/L	Y	J	J	11-585	CAMO-11-1309	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	8.66	—	—	2	µg/L	Y	J	J	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.69	—	—	0.165	µg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.17	µg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.38	—	—	0.17	µg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.62	—	—	0.17	µg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.71	—	—	0.1	µg/L	Y	—	U	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.72	—	—	0.1	µg/L	Y	—	U	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.68	2.49	7.95	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.64	2.9	10	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.19	2.7	9	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.03	2.5	8.1	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.63	3	10	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.389	2.4	8	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.874	—	—	0.5	µg/L	Y	J	J	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.709	—	—	0.5	µg/L	Y	J	J	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.932	—	—	0.5	µg/L	Y	J	J	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.764	—	—	0.5	µg/L	Y	J	J	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.48	—	—	0.5	µg/L	Y	J	J	11-585	CAMO-11-1306	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.25	—	—	0.5	µg/L	Y	J	J	11-585	CAMO-11-1309	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.477	—	—	0.085	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.142	—	—	0.01	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.451	—	—	0.05	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.409	—	—	0.05	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.201	—	—	0.05	mg/L	Y	J	U	11-585	CAMO-11-1306	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.199	—	—	0.05	mg/L	Y	J	U	11-585	CAMO-11-1309	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.384	—	—	0.05	µg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.352	—	—	0.05	µg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.372	—	—	0.05	µg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.361	—	—	0.05	µg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.403	—	—	0.05	µg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.402	—	—	0.05	µg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00526	0.00526	0.0177	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0041	0.023	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00226	0.0023	0.026	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00436	0.0038	0.025	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0018	0.024	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00941	0.011	0.037	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00526	0.00744	0.0317	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0029	0.037	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00218	0.0049	0.045	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00452	0.0039	0.047	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00184	0.0032	0.025	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0094	0.0058	0.035	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.09	—	—	0.05	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.02	—	—	0.05	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.04	—	—	0.05	mg/L	Y	—	J	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.76	—	—	0.05	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.35	—	—	0.05	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.32	—	—	0.05	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.18	18.2	46.5	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.52	19	69	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.9	14	52	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-22.3	17	54	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.8	20	67	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.8	17	54	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	49.7	—	—	0.053	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	49.5	—	—	0.053	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48.4	—	—	0.053	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	47.6	—	—	0.053	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	53.5	—	—	0.053	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54.3	—	—	0.053	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.8	—	—	0.1	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.9	—	—	0.1	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.75	1.09	3.56	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.17	1.3	4.1	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.705	1.3	4.2	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.986	1.2	3.5	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.5	1.5	4	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.17	1.2	4.3	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	µS/cm	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	1	µS/cm	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	1	µS/cm	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	182	—	—	1	µS/cm	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	µS/cm	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	1	µS/cm	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	236	—	—	1	µg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	235	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	219	—	—	1	µg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	219	—	—	1	µg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	242	—	—	1	µg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	244	—	—	1	µg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0636	0.138	0.491	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0882	0.14	0.49	—	pCi/L	Y	U	U	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.123	0.13	0.43	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0314	0.12	0.41	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.197	0.13	0.49	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.432	0.15	0.45	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.56	—	—	0.133	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.69	—	—	0.1	mg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.64	—	—	0.1	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.75	—	—	0.1	mg/L	Y	—	J+	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.75	—	—	0.1	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.76	—	—	0.1	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	61.4	—	—	3.4	mg/L	Y	—	J	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	2.4	mg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	2.4	mg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	2.4	mg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	2.4	mg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.05	—	—	0.33	mg/L	Y	—	NQ	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	08/18/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3264	CAMO-11-24689	GELC
R-16 S4	1237	05/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.842	—	—	0.33	mg/L	Y	J	J	11-2572	CAMO-11-10760	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.679	—	—	0.33	mg/L	Y	J	U	11-1381	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.417	—	—	0.33	mg/L	Y	J	J	11-583	CAMO-11-1308	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.468	—	—	0.33	mg/L	Y	J	J	11-583	CAMO-11-1305	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.129	—	—	0.017	mg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0941	—	—	0.015	mg/L	Y	—	U	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.134	—	—	0.015	mg/L	Y	—	U	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.109	—	—	0.015	mg/L	Y	—	U	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.068	—	—	0.015	mg/L	Y	—	U	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.073	—	—	0.015	mg/L	Y	—	U	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.31	—	—	0.067	µg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.36	—	—	0.067	µg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.32	—	—	0.067	µg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.64	—	—	0.067	µg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.43	—	—	0.05	µg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.43	—	—	0.05	µg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.663	0.0448	0.0773	—	pCi/L	Y	—	NQ	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.77	0.065	0.037	—	pCi/L	Y	—	NQ	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.676	0.064	0.056	—	pCi/L	Y	—	NQ	11-585	CAMO-11-1308	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.673	0.064	0.055	—	pCi/L	Y	—	NQ	11-585	CAMO-11-1305	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.762	0.081	0.13	—	pCi/L	Y	—	NQ	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.679	0.066	0.045	—	pCi/L	Y	—	NQ	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0215	0.0101	0.0499	—	pCi/L	Y	U	U	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0481	0.011	0.027	—	pCi/L	Y	—	NQ	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0362	0.011	0.037	—	pCi/L	Y	U	U	11-585	CAMO-11-1308	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0258	0.0093	0.036	—	pCi/L	Y	U	U	11-585	CAMO-11-1305	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0287	0.013	0.063	—	pCi/L	Y	U	U	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0237	0.01	0.041	—	pCi/L	Y	U	U	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.385	0.0339	0.0392	—	pCi/L	Y	—	NQ	12-1492	CAMO-12-21786	GELC
R-16 S4	1237	02/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.482	0.045	0.027	—	pCi/L	Y	—	NQ	11-1382	CAMO-11-4644	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.424	0.045	0.037	—	pCi/L	Y	—	NQ	11-585	CAMO-11-1308	GELC
R-16 S4	1237	11/17/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.464	0.048	0.036	—	pCi/L	Y	—	NQ	11-585	CAMO-11-1305	GELC
R-16 S4	1237	07/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.431	0.054	0.081	—	pCi/L	Y	—	NQ	10-3657	CAMO-10-22899	GELC
R-16 S4	1237	05/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.443	0.048	0.041	—	pCi/L	Y	—	NQ	10-3102	CAMO-10-16852	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	12.7	—	—	1	µg/L	Y	—	NQ	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11	—	—	1	µg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.2	—	—	1	µg/L	Y	—	NQ	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.1	—	—	1	µg/L	Y	—	NQ	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.7	—	—	1	µg/L	Y	—	NQ	11-585	CAMO-11-1309	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.6	—	—	1	µg/L	Y	—	NQ	11-585	CAMO-11-1306	GELC
R-16 S4	1237	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.78	—	—	3.3	µg/L	Y	J	J	12-1492	CAMO-12-21795	GELC
R-16 S4	1237	08/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	10.2	—	—	3.3	µg/L	Y	—	NQ	11-3264	CAMO-11-24688	GELC
R-16 S4	1237	05/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.35	—	—	3.3	µg/L	Y	J	J	11-2573	CAMO-11-10761	GELC
R-16 S4	1237	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.7	—	—	3.3	µg/L	Y	J	J	11-1382	CAMO-11-4645	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.85	—	—	3.3	µg/L	Y	J	J	11-585	CAMO-11-1306	GELC
R-16 S4	1237	11/17/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.58	—	—	3.3	µg/L	Y	J	J	11-585	CAMO-11-1309	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.15	—	—	0.01	SU	Y	H	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	J-	11-3144	CAMO-11-24682	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	600	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	J-	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	J-	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	J-	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.8	—	—	0.725	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.2	—	—	0.73	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.5	—	—	0.73	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.2	—	—	0.73	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.8	—	—	0.73	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0122	0.00645	0.028	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00583	0.0033	0.035	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00285	0.0026	0.041	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0105	0.0086	0.033	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00119	0.0026	0.027	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000663	0.0019	0.027	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	62.2	—	—	1	µg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	63.9	—	—	1	µg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	57.3	—	—	1	µg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	63.4	—	—	1	µg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	66.9	—	—	1	µg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.5	—	—	15	µg/L	Y	J	J	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.2	—	—	15	µg/L	Y	J	J	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.1	—	—	15	µg/L	Y	J	J	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.3	—	—	15	µg/L	Y	J	J	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.2	—	—	15	µg/L	Y	J	J	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.3	—	—	0.05	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20	—	—	0.05	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.1	—	—	0.05	mg/L	Y	N	J-	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.9	—	—	0.05	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.8	—	—	0.05	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.61	1.75	6.71	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.937	1.1	3.9	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.59	2.6	7.9	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.119	1.4	4.5	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.483	0.93	3.1	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.2	1.3	3.8	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.067	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.31	—	—	0.066	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.46	—	—	0.066	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.38	—	—	0.066	mg/L	Y	—	J+	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.28	—	—	0.066	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.73	—	—	2	µg/L	Y	J	J	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.47	—	—	2	µg/L	Y	J	J	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.34	—	—	2	µg/L	Y	J	J	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.71	—	—	2	µg/L	Y	J	J	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.48	—	—	2.5	µg/L	Y	J	J	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.55	1.33	4.12	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.65	1.2	3.5	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.379	2	6.8	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.43	1.4	4.1	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.377	0.98	3.1	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.923	1.4	4.2	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	600	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.382	—	—	0.033	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.402	—	—	0.033	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.427	—	—	0.033	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.389	—	—	0.033	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.357	—	—	0.033	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.503	0.508	1.97	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.05	0.94	2.5	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.86	0.41	0.98	—	pCi/L	Y	—	NQ	09-2841	CAMO-09-9556	GELC
R-16r	600	08/20/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.08	0.485	1.29	—	pCi/L	Y	U	U	192106	GU07080GR16A0	GELC
R-16r	600	08/17/06	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.25	0.645	1.94	—	pCi/L	Y	U	U	169741	GU06080GR16A0	GELC
R-16r	600	08/17/06	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.591	0.491	1.68	—	pCi/L	Y	U	U	169741	GU06080GR16A9	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.85	0.837	2.54	—	pCi/L	Y	—	NQ	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.14	1	2.9	—	pCi/L	Y	—	NQ	10-3712	CAMO-10-22861	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.458	0.49	2.1	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/20/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.74	0.8	2.33	—	pCi/L	Y	—	J	192106	GU07080GR16A0	GELC
R-16r	600	08/17/06	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.42	0.446	1.3	—	pCi/L	Y	—	J	169741	GU06080GR16A0	GELC
R-16r	600	08/17/06	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.01	0.704	2.1	—	pCi/L	Y	—	J	169741	GU06080GR16A9	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.3	—	—	0.453	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53	—	—	0.45	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.9	—	—	0.45	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.8	—	—	0.45	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.3	—	—	0.35	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.774	—	—	0.11	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.768	—	—	0.11	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.784	—	—	0.11	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.768	—	—	0.11	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.814	—	—	0.085	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.165	µg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.17	µg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.17	µg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.17	µg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.88	—	—	0.1	µg/L	Y	—	U	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.164	3.21	11.1	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.37	2.4	8.2	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.51	9.3	32	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-10.2	13	39	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-13.1	8.1	26	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.71	6.5	22	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.964	—	—	0.5	µg/L	Y	J	J	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.07	—	—	0.5	µg/L	Y	J	J	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.83	—	—	0.5	µg/L	Y	J	J	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.15	—	—	0.5	µg/L	Y	J	J	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.441	—	—	0.017	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.52	—	—	0.05	mg/L	Y	—	J	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.51	—	—	0.05	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.449	—	—	0.05	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.454	—	—	0.05	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.409	—	—	0.05	µg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.387	—	—	0.05	µg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.369	—	—	0.05	µg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	600	02/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.401	—	—	0.05	µg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.418	—	—	0.05	µg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00566	0.00566	0.019	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0096	0.0068	0.032	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0026	0.043	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00198	0.0034	0.032	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00837	0.0051	0.029	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00616	0.0046	0.029	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00283	0.0049	0.0341	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0024	0.0093	0.033	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00765	0.0051	0.03	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00395	0.0056	0.039	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00616	0.0036	0.035	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00627	0.0047	0.036	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.38	—	—	0.05	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.37	—	—	0.05	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.02	—	—	0.05	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.24	—	—	0.05	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.6	—	—	0.05	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.7	17.4	67.8	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.48	17	60	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-24.1	24	71	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.1	19	68	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.4	14	46	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-22.8	18	56	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	41.3	—	—	0.053	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	41.9	—	—	0.053	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	37.8	—	—	0.053	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.9	—	—	0.053	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.3	—	—	0.053	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.3	—	—	0.1	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.9	—	—	0.1	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.4	—	—	0.1	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.15	1.24	4.4	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.02	1.3	4.3	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.77	2.1	7.1	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.454	1.1	3.3	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.409	0.92	3.1	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.876	1	3.7	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	µS/cm	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	µS/cm	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	172	—	—	1	µS/cm	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	187	—	—	1	µg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	187	—	—	1	µg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	173	—	—	1	µg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	189	—	—	1	µg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	203	—	—	1	µg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.105	0.139	0.491	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0286	0.13	0.48	—	pCi/L	Y	U	U	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.193	0.14	0.47	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0903	0.12	0.39	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0416	0.075	0.25	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0906	0.062	0.22	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.32	—	—	0.133	mg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.31	—	—	0.1	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.61	—	—	0.1	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.47	—	—	0.1	mg/L	Y	—	J+	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.15	—	—	0.1	mg/L	Y	—	J+	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	Y	69.5	—	—	2.5	µg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	50	—	—	13	µg/L	Y	U	U	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	H	J	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	113	—	—	3.4	mg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	122	—	—	2.4	mg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	2.4	mg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	2.4	mg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.51	—	—	0.33	mg/L	Y	J	J	12-1492	CAMO-12-21787	GELC
R-16r	600	08/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3144	CAMO-11-24681	GELC
R-16r	600	05/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2493	CAMO-11-10752	GELC
R-16r	600	02/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.429	—	—	0.33	mg/L	Y	J	J	11-1381	CAMO-11-4647	GELC
R-16r	600	11/11/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.472	—	—	0.33	mg/L	Y	J	J	11-493	CAMO-11-1289	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.26	—	—	0.067	µg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.997	—	—	0.067	µg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.19	—	—	0.067	µg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.3	—	—	0.067	µg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.27	—	—	0.05	µg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.715	0.0455	0.0716	—	pCi/L	Y	—	NQ	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.754	0.064	0.044	—	pCi/L	Y	—	NQ	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.763	0.067	0.061	—	pCi/L	Y	—	NQ	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.738	0.07	0.099	—	pCi/L	Y	—	NQ	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.774	0.074	0.15	—	pCi/L	Y	—	NQ	08-1637	CAMO-08-14519	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.742	0.072	0.15	—	pCi/L	Y	—	NQ	08-1637	CAMO-08-14516	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0364	0.0119	0.0462	—	pCi/L	Y	U	U	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0471	0.011	0.027	—	pCi/L	Y	—	NQ	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0271	0.0088	0.035	—	pCi/L	Y	U	U	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0224	0.0086	0.048	—	pCi/L	Y	U	U	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0207	0.015	0.082	—	pCi/L	Y	U	U	08-1637	CAMO-08-14516	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.036	0.017	0.082	—	pCi/L	Y	U	U	08-1637	CAMO-08-14519	GELC
R-16r	600	08/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.506	0.0376	0.0363	—	pCi/L	Y	—	NQ	12-1492	CAMO-12-21787	GELC
R-16r	600	07/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.31	0.032	0.031	—	pCi/L	Y	—	NQ	10-3712	CAMO-10-22861	GELC
R-16r	600	02/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.355	0.038	0.04	—	pCi/L	Y	—	NQ	10-1646	CAMO-10-9337	GELC
R-16r	600	08/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.451	0.048	0.049	—	pCi/L	Y	—	NQ	09-2841	CAMO-09-9556	GELC
R-16r	600	08/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.478	0.054	0.075	—	pCi/L	Y	—	NQ	08-1637	CAMO-08-14516	GELC
R-16r	600	08/11/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.354	0.045	0.075	—	pCi/L	Y	—	NQ	08-1637	CAMO-08-14519	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.5	—	—	1	µg/L	Y	—	NQ	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.5	—	—	1	µg/L	Y	—	NQ	11-3144	CAMO-11-24682	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	12.4	—	—	1	µg/L	Y	—	NQ	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.4	—	—	1	µg/L	Y	—	NQ	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.9	—	—	1	µg/L	Y	—	NQ	11-493	CAMO-11-1290	GELC
R-16r	600	08/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.75	—	—	3.3	µg/L	Y	J	J	12-1492	CAMO-12-21796	GELC
R-16r	600	08/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.01	—	—	3.3	µg/L	Y	J	J	11-3144	CAMO-11-24682	GELC
R-16r	600	05/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.92	—	—	3.3	µg/L	Y	J	J	11-2493	CAMO-11-10750	GELC
R-16r	600	02/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.25	—	—	3.3	µg/L	Y	J	J	11-1382	CAMO-11-4650	GELC
R-16r	600	11/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.97	—	—	3.3	µg/L	Y	J	J	11-493	CAMO-11-1290	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	—	—	0.01	SU	Y	H	J-	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	J-	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.76	—	—	0.01	SU	Y	H	J-	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.76	—	—	0.01	SU	Y	H	J-	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	—	0.01	SU	Y	H	J-	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	—	—	0.01	SU	Y	H	J-	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.66	—	—	0.01	SU	Y	H	J-	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.5	—	—	0.725	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.73	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	—	0.73	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.4	—	—	0.73	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.6	—	—	0.73	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65	—	—	0.73	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61	—	—	0.73	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	—	0.73	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0126	0.00755	0.0345	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00509	0.0038	0.032	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0199	0.0066	0.03	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00518	0.012	0.037	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00119	0.0017	0.032	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00285	0.0029	0.032	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.2	—	—	1	µg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.5	—	—	1	µg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	34.1	—	—	1	µg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.1	—	—	1	µg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.9	—	—	1	µg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.8	—	—	1	µg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.8	—	—	1	µg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	34.3	—	—	1	µg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	Y	14.7	—	—	6.32	µg/L	Y	J	J	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	05/16/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	20	—	—	6	µg/L	Y	U	U	11-2414	CAMO-11-10762	GELC
R-33 S1	995.5	05/16/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	20	—	—	6	µg/L	Y	U	U	11-2414	CAMO-11-10765	GELC
R-33 S1	995.5	11/18/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	20	—	—	6	µg/L	Y	U	U	11-600	CAMO-11-1297	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.1	—	—	6.3	µg/L	Y	U	UJ	10-1495	CAMO-10-9364	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22.2	—	—	6.7	µg/L	Y	U	UJ	10-1495	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22.2	—	—	6.7	µg/L	Y	U	U	10-422	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22.2	—	—	6.7	µg/L	Y	U	U	10-422	CAMO-10-3196	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.6	—	—	0.05	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.4	—	—	0.05	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.1	—	—	0.05	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.565	1.76	6.25	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.442	1.6	5.3	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.67	2.2	8	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.48	1.4	4	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.41	1.1	3.2	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-4.8	2	7.1	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.25	—	—	0.067	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.066	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.28	—	—	0.066	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.26	—	—	0.066	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.27	—	—	0.066	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.22	—	—	0.066	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.18	—	—	0.066	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.23	—	—	0.066	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.48	—	—	2	µg/L	Y	J	J	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.51	—	—	2	µg/L	Y	J	J	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.5	—	—	2	µg/L	Y	J	J	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.18	—	—	2	µg/L	Y	J	J	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.86	—	—	2	µg/L	Y	J	J	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.47	—	—	2	µg/L	Y	J	J	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.62	—	—	2	µg/L	Y	J	J	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.25	—	—	2.5	µg/L	Y	J	J	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.04	1.56	5.6	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.102	1.2	4	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.5	1.8	5.6	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0141	1.3	4.4	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.69	1.9	5	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0574	1.2	3.8	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.225	—	—	0.033	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.228	—	—	0.033	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.236	—	—	0.033	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.26	—	—	0.033	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.256	—	—	0.033	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.204	—	—	0.033	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.202	—	—	0.033	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.226	—	—	0.033	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.327	0.542	2.03	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.927	0.83	2.9	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.33	0.65	2.7	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.165	0.5	2.6	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.212	0.55	2.4	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.704	0.58	2	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.68	0.888	2.88	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.66	0.75	2.3	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.702	0.69	2.4	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.84	0.83	2.6	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.95	0.8	2.4	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.4	0.96	2.5	—	pCi/L	Y	—	NQ	10-423	CAMO-10-3196	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.6	—	—	0.453	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47	—	—	0.45	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.1	—	—	0.45	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.1	—	—	0.45	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45	—	—	0.45	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.6	—	—	0.45	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.2	—	—	0.45	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48	—	—	0.35	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	39.2	—	—	30	µg/L	Y	J	J	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.81	—	—	0.11	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.01	—	—	0.11	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.02	—	—	0.11	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.11	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.63	—	—	0.11	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.01	—	—	0.11	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.87	—	—	0.11	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.08	—	—	0.085	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.52	—	—	2	µg/L	Y	J	J	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.165	µg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.17	µg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.17	µg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.17	µg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.17	µg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.17	µg/L	Y	—	J	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.17	µg/L	Y	—	J	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.27	—	—	0.1	µg/L	Y	—	U	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.194	3.14	11	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.57	3.4	10	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.84	2.5	8.8	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.856	11	35	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	20	9.9	32	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.00623	7.1	21	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.73	—	—	0.5	µg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.74	—	—	0.5	µg/L	Y	J	J	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.69	—	—	0.5	µg/L	Y	J	J	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.15	—	—	0.5	µg/L	Y	J	J	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.19	—	—	0.5	µg/L	Y	J	J	11-2415	CAMO-11-10766	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.12	—	—	0.5	µg/L	Y	J	J	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.15	—	—	0.5	µg/L	Y	J	J	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.36	—	—	0.5	µg/L	Y	J	U	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.902	—	—	0.17	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.595	—	—	0.05	mg/L	Y	—	J	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.59	—	—	0.05	mg/L	Y	—	J	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.55	—	—	0.05	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.545	—	—	0.05	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.515	—	—	0.05	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.54	—	—	0.05	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.625	—	—	0.1	mg/L	Y	—	U	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.413	—	—	0.05	µg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.436	—	—	0.05	µg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.422	—	—	0.05	µg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.385	—	—	0.05	µg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.377	—	—	0.05	µg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.412	—	—	0.05	µg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.416	—	—	0.05	µg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.411	—	—	0.05	µg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00287	0.00498	0.0193	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0189	0.011	0.028	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.006	0.0035	0.032	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00442	0.0031	0.037	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00197	0.0034	0.032	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00969	0.0085	0.032	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00287	0.00498	0.0346	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0105	0.0063	0.028	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.002	0.0028	0.03	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00221	0.0022	0.026	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00387	0.0055	0.032	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0059	0.0052	0.032	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.51	—	—	0.05	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.43	—	—	0.05	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.7	—	—	0.05	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.8	21.9	78.3	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.826	25	85	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	42.5	17	68	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16	17	60	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-12.2	17	53	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.9	20	30	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.4	—	—	0.053	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.7	—	—	0.053	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.3	—	—	0.053	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.8	—	—	0.053	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.2	—	—	0.053	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.8	—	—	0.053	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.8	—	—	0.053	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.1	—	—	0.053	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.79	1.51	5.55	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.138	1.6	5.2	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.55	1.7	4.1	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.354	1.6	5.2	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.35	1.4	4.2	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.06	1.5	5.1	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144	—	—	1	µS/cm	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	µS/cm	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	1	µS/cm	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.9	—	—	1	µg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.7	—	—	1	µg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.2	—	—	1	µg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	46.8	—	—	1	µg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	49	—	—	1	µg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.8	—	—	1	µg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.8	—	—	1	µg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.2	—	—	1	µg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.079	0.127	0.474	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.118	0.11	0.49	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.142	0.14	0.46	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.298	0.14	0.45	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0876	0.11	0.44	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.167	0.12	0.39	—	pCi/L	Y	U	U	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.1	—	—	0.133	mg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.23	—	—	0.1	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.15	—	—	0.1	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.32	—	—	0.1	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.19	—	—	0.1	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.07	—	—	0.1	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.02	—	—	0.1	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.06	—	—	0.1	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	J	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	142	—	—	2.4	mg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	2.4	mg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	160	—	—	2.4	mg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	158	—	—	2.4	mg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	138	—	—	2.4	mg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.743	—	—	0.33	mg/L	Y	J	J	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	08/04/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3044	CAMO-11-24664	GELC
R-33 S1	995.5	08/04/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3044	CAMO-11-24666	GELC
R-33 S1	995.5	05/16/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.342	—	—	0.33	mg/L	Y	J	J	11-2414	CAMO-11-10765	GELC
R-33 S1	995.5	05/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2414	CAMO-11-10762	GELC
R-33 S1	995.5	02/10/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1332	CAMO-11-4665	GELC
R-33 S1	995.5	02/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1332	CAMO-11-4661	GELC
R-33 S1	995.5	11/18/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.434	—	—	0.33	mg/L	Y	J	U	11-600	CAMO-11-1297	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.319	0.672	2.256	—	pCi/L	Y	U	UJ	12-1512	CAMO-12-21788	ARSL
R-33 S1	995.5	05/16/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.7728	0.6762	2.254	—	pCi/L	Y	U	U	11-2435	CAMO-11-10762	ARSL
R-33 S1	995.5	05/16/11	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.2254	0.6118	2.093	—	pCi/L	Y	U	U	11-2435	CAMO-11-10765	ARSL
R-33 S1	995.5	11/18/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.5742	1.1914	2.415	—	pCi/L	N	—	R	11-748	CAMO-11-1297	ARSL
R-33 S1	995.5	11/18/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.3846	0.7728	2.415	—	pCi/L	Y	U	U	11-748	CAMO-11-1297	ARSL
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.7728	0.5474	1.8032	—	pCi/L	Y	U	U	10-3219	CAMO-10-16816	ARSL
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.2576	0.2898	0.2898	—	pCi/L	Y	U	U	10-1612	CAMO-10-9361	UMTL
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.869	—	—	0.067	µg/L	Y	—	NQ	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.807	—	—	0.067	µg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.729	—	—	0.067	µg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.738	—	—	0.067	µg/L	Y	—	NQ	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.768	—	—	0.067	µg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.863	—	—	0.067	µg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.853	—	—	0.067	µg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.954	—	—	0.05	µg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.492	0.0373	0.07	—	pCi/L	Y	—	J	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.447	0.043	0.049	—	pCi/L	Y	—	NQ	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.457	0.044	0.03	—	pCi/L	Y	—	NQ	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.472	0.048	0.071	—	pCi/L	Y	—	NQ	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.518	0.048	0.07	—	pCi/L	Y	—	NQ	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.502	0.046	0.066	—	pCi/L	Y	—	NQ	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.013	0.00793	0.0452	—	pCi/L	Y	U	U	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0257	0.008	0.029	—	pCi/L	Y	U	U	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0183	0.0073	0.028	—	pCi/L	Y	U	U	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0282	0.0096	0.041	—	pCi/L	Y	U	U	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0342	0.01	0.034	—	pCi/L	Y	—	NQ	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0194	0.0098	0.036	—	pCi/L	Y	U	U	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.272	0.0282	0.0355	—	pCi/L	Y	—	J	12-1511	CAMO-12-21788	GELC
R-33 S1	995.5	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.202	0.025	0.034	—	pCi/L	Y	—	NQ	10-3636	CAMO-10-22883	GELC
R-33 S1	995.5	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.231	0.027	0.028	—	pCi/L	Y	—	NQ	10-3157	CAMO-10-16816	GELC
R-33 S1	995.5	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.287	0.034	0.046	—	pCi/L	Y	—	NQ	10-1497	CAMO-10-9361	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.278	0.031	0.043	—	pCi/L	Y	—	NQ	10-423	CAMO-10-3199	GELC
R-33 S1	995.5	11/09/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.255	0.028	0.041	—	pCi/L	Y	—	NQ	10-423	CAMO-10-3196	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.96	—	—	1	µg/L	Y	J	J	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.77	—	—	1	µg/L	Y	—	NQ	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.18	—	—	1	µg/L	Y	—	NQ	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.73	—	—	1	µg/L	Y	J	J	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.62	—	—	1	µg/L	Y	—	NQ	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.32	—	—	1	µg/L	Y	—	NQ	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.44	—	—	1	µg/L	Y	—	NQ	11-1332	CAMO-11-4664	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.97	—	—	1	µg/L	Y	—	NQ	11-600	CAMO-11-1296	GELC
R-33 S1	995.5	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.88	—	—	3.3	µg/L	Y	J	J	12-1511	CAMO-12-21797	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-3044	CAMO-11-24667	GELC
R-33 S1	995.5	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-3044	CAMO-11-24662	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.69	—	—	3.3	µg/L	Y	J	J	11-2415	CAMO-11-10763	GELC
R-33 S1	995.5	05/16/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.48	—	—	3.3	µg/L	Y	J	J	11-2415	CAMO-11-10766	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-1332	CAMO-11-4664	GELC
R-33 S1	995.5	02/10/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-1332	CAMO-11-4666	GELC
R-33 S1	995.5	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.46	—	—	3.3	µg/L	Y	J	J	11-600	CAMO-11-1296	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	J-	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	J-	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	J-	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	J-	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	0.725	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.9	—	—	0.73	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.6	—	—	0.73	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65	—	—	0.73	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.7	—	—	0.73	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00471	0.00666	0.0323	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00894	0.004	0.033	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0127	0.0065	0.028	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00323	0.0026	0.032	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00308	0.0021	0.028	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	34	—	—	1	µg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	37.7	—	—	1	µg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.2	—	—	1	µg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	37.5	—	—	1	µg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.1	—	—	1	µg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	Y	14.4	—	—	6.32	µg/L	Y	J	J	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	05/16/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	20	—	—	6	µg/L	Y	U	U	11-2414	CAMO-11-10768	GELC
R-33 S2	1112.4	11/18/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.5	—	—	6.5	µg/L	Y	U	U	11-600	CAMO-11-1300	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.1	—	—	6.3	µg/L	Y	U	UJ	10-1495	CAMO-10-9367	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	21.1	—	—	6.3	µg/L	Y	U	UJ	10-1495	CAMO-10-9366	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzoic Acid	65-85-0	N	22.2	—	—	6.7	µg/L	Y	U	U	10-412	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.6	—	—	0.05	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.217	1.21	4.34	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.12	2	6.5	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.119	2	7	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-4.05	1.5	4.6	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.857	1.7	5.5	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.99	—	—	0.067	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.066	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.96	—	—	0.066	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.92	—	—	0.066	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.93	—	—	0.066	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.06	—	—	2	µg/L	Y	J	J	12-1511	CAMO-12-21798	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.56	—	—	2	µg/L	Y	J	J	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.12	—	—	2	µg/L	Y	J	J	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.2	—	—	2	µg/L	Y	J	J	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.44	—	—	2.5	µg/L	Y	J	J	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.44	1.26	5.46	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.722	1.5	4.6	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.29	1.6	5.4	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.26	1.4	4.5	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.846	1.4	4.7	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.187	—	—	0.033	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.221	—	—	0.033	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.248	—	—	0.033	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.205	—	—	0.033	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.221	—	—	0.033	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.416	0.566	2.27	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.8	0.74	2.6	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.37	0.77	2.3	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.487	0.59	2.3	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.09	0.69	2.2	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.47	0.913	2.83	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.11	0.69	2.3	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.01	0.95	2.6	—	pCi/L	Y	—	NQ	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.44	0.91	2.6	—	pCi/L	Y	—	NQ	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.91	0.86	2.7	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.8	—	—	0.453	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.9	—	—	0.45	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.8	—	—	0.45	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.4	—	—	0.45	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.7	—	—	0.35	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.94	—	—	0.11	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.3	—	—	0.11	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.01	—	—	0.11	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.21	—	—	0.11	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.11	—	—	0.085	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.977	—	—	0.165	µg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.924	—	—	0.17	µg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.96	—	—	0.17	µg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.927	—	—	0.17	µg/L	Y	—	U	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.06	—	—	0.1	µg/L	Y	—	U	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.41	2.81	10.4	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.35	3	8.9	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.18	3.3	11	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	15	11	37	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	8.4	14	43	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.684	—	—	0.5	µg/L	Y	J	J	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.609	—	—	0.5	µg/L	Y	J	J	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.615	—	—	0.5	µg/L	Y	J	J	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.917	—	—	0.5	µg/L	Y	J	U	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.342	—	—	0.017	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.414	—	—	0.05	mg/L	Y	—	J	11-3044	CAMO-11-24670	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.352	—	—	0.05	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.309	—	—	0.05	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.176	—	—	0.05	mg/L	Y	J	U	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.372	—	—	0.05	µg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.369	—	—	0.05	µg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.335	—	—	0.05	µg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.358	—	—	0.05	µg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.398	—	—	0.05	µg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00286	0.00496	0.0193	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00203	0.0061	0.027	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00826	0.0051	0.033	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00888	0.012	0.037	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00949	0.0067	0.039	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00286	0.0064	0.0345	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00203	0.002	0.028	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00413	0.012	0.03	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	1.06E-09	0.0077	0.026	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00474	0.0058	0.039	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.22	—	—	0.05	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.38	—	—	0.05	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.28	—	—	0.05	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.48	—	—	0.05	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	44.8	19.2	36.9	—	pCi/L	Y	UI	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23	20	75	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-14.3	20	69	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.15	16	54	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	46.4	26	60	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.4	—	—	0.053	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	82.7	—	—	0.053	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74	—	—	0.053	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.9	—	—	0.053	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.9	—	—	0.053	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0741	1.28	5.07	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.437	1.2	3.8	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.651	1.3	4.7	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.478	1.2	3.8	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.51	1.4	4.9	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	µS/cm	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	µS/cm	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	1	µS/cm	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	µS/cm	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	48.4	—	—	1	µg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51	—	—	1	µg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	47	—	—	1	µg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.3	—	—	1	µg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	49.7	—	—	1	µg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0577	0.109	0.44	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.246	0.15	0.49	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.226	0.14	0.45	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0817	0.14	0.49	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.17	0.11	0.39	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.29	—	—	0.133	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.43	—	—	0.1	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.49	—	—	0.1	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.36	—	—	0.1	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.29	—	—	0.1	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	2.4	mg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	2.4	mg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	2.4	mg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.421	—	—	0.33	mg/L	Y	J	J	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	08/04/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3044	CAMO-11-24669	GELC
R-33 S2	1112.4	05/16/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2414	CAMO-11-10768	GELC
R-33 S2	1112.4	02/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.394	—	—	0.33	mg/L	Y	J	J	11-1338	CAMO-11-4667	GELC
R-33 S2	1112.4	11/18/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.35	—	—	0.33	mg/L	Y	J	U	11-600	CAMO-11-1300	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.997	—	—	0.067	µg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.859	—	—	0.067	µg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.876	—	—	0.067	µg/L	Y	—	NQ	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.982	—	—	0.067	µg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.09	—	—	0.05	µg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.532	0.0404	0.074	—	pCi/L	Y	—	NQ	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.596	0.055	0.057	—	pCi/L	Y	—	NQ	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.543	0.05	0.029	—	pCi/L	Y	—	NQ	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.58	0.056	0.07	—	pCi/L	Y	—	NQ	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.627	0.054	0.063	—	pCi/L	Y	—	NQ	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0171	0.0103	0.0478	—	pCi/L	Y	U	U	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0327	0.012	0.034	—	pCi/L	Y	U	U	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0134	0.0078	0.027	—	pCi/L	Y	U	U	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00932	0.0054	0.04	—	pCi/L	Y	U	U	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0262	0.0094	0.032	—	pCi/L	Y	U	U	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.294	0.0291	0.0376	—	pCi/L	Y	—	NQ	12-1511	CAMO-12-21789	GELC
R-33 S2	1112.4	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.329	0.036	0.039	—	pCi/L	Y	—	NQ	10-3636	CAMO-10-22885	GELC
R-33 S2	1112.4	05/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.308	0.032	0.027	—	pCi/L	Y	—	NQ	10-3157	CAMO-10-16818	GELC
R-33 S2	1112.4	01/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.259	0.032	0.046	—	pCi/L	Y	—	NQ	10-1497	CAMO-10-9367	GELC
R-33 S2	1112.4	11/06/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.318	0.032	0.039	—	pCi/L	Y	—	NQ	10-411	CAMO-10-3211	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.22	—	—	1	µg/L	Y	—	NQ	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.66	—	—	1	µg/L	Y	—	NQ	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.88	—	—	1	µg/L	Y	J	J	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.15	—	—	1	µg/L	Y	—	NQ	11-1338	CAMO-11-4668	GELC
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.62	—	—	1	µg/L	Y	—	NQ	11-600	CAMO-11-1301	GELC
R-33 S2	1112.4	08/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.04	—	—	3.3	µg/L	Y	J	J	12-1511	CAMO-12-21798	GELC
R-33 S2	1112.4	08/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-3044	CAMO-11-24670	GELC
R-33 S2	1112.4	05/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2415	CAMO-11-10770	GELC
R-33 S2	1112.4	02/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-1338	CAMO-11-4668	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-33 S2	1112.4	11/18/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-600	CAMO-11-1301	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.41	—	—	0.01	SU	Y	H	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.43	—	—	0.01	SU	Y	H	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.35	—	—	0.01	SU	Y	H	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.38	—	—	0.01	SU	Y	H	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.21	—	—	0.01	SU	Y	H	J-	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	J-	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.1	—	—	0.725	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	3.15	—	—	0.725	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	10.7	—	—	0.725	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.03	—	—	0.725	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	Y	U	U	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	Y	U	U	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.8	—	—	0.725	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.3	—	—	0.725	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	365	—	—	0.725	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.8	—	—	0.725	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.3	—	—	0.725	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71	—	—	0.73	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.3	—	—	0.73	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0095	0.00672	0.0326	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00264	0.00699	0.0362	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00259	0.0026	0.019	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00819	0.0058	0.029	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00482	0.0036	0.031	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00624	0.0052	0.035	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.5	—	—	1	µg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.8	—	—	1	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.4	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.2	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.3	—	—	1	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.2	—	—	15	µg/L	Y	J	J	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	17.8	—	—	15	µg/L	Y	J	J	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.9	—	—	15	µg/L	Y	J	J	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	18.4	—	—	15	µg/L	Y	J	J	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18	—	—	15	µg/L	Y	J	J	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18	—	—	15	µg/L	Y	J	J	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.1	—	—	0.05	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.81	1.51	5.86	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.21	1.51	4.9	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.36	2	6.2	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.733	2.3	5.1	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.75	2	7.3	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.14	1.4	4.3	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.24	—	—	0.067	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.23	—	—	0.067	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.067	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.067	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.33	—	—	0.067	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.25	—	—	0.066	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.32	—	—	0.066	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.23	—	—	2	µg/L	Y	J	J	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.39	—	—	2	µg/L	Y	J	J	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.44	—	—	2	µg/L	Y	J	J	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.17	—	—	2	µg/L	Y	J	J	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.56	—	—	2	µg/L	Y	J	J	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	50	—	—	10	µg/L	Y	U	U	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.65	—	—	2	µg/L	Y	J	J	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.211	1.6	6.1	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.757	1.23	4.47	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.37	2	7.3	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.741	1.5	4.6	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.62	1.4	4.2	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.434	1.2	4.2	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.304	—	—	0.033	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.302	—	—	0.033	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.353	—	—	0.033	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.327	—	—	0.033	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.324	—	—	0.033	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.298	—	—	0.033	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.418	0.282	2.22	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.22	0.265	1.91	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.2	0.66	1.9	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.137	0.74	3.1	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.435	0.71	2.7	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	08/12/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.389	0.27	0.88	—	pCi/L	Y	U	U	09-2858	CAMO-09-9563	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.91	0.88	2.79	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.717	0.689	2.4	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.849	0.87	3	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.14	0.92	2.9	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.86	0.84	2.6	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	08/12/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	3.78	1.3	3.7	—	pCi/L	Y	—	U	09-2858	CAMO-09-9563	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.6	—	—	0.453	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.4	—	—	0.453	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.4	—	—	0.453	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.8	—	—	0.453	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.6	—	—	0.453	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.9	—	—	0.45	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.5	—	—	0.45	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.58	—	—	0.11	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.7	—	—	0.11	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.56	—	—	0.11	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.56	—	—	0.11	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.77	—	—	0.11	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.65	—	—	0.11	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.996	—	—	0.165	µg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.165	µg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.885	—	—	0.165	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.165	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.963	—	—	0.17	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.955	—	—	0.17	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.63	3.38	11.9	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.1	2.57	9.26	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.78	3.5	11	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.01	2.1	7.5	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.18	10	33	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/12/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.39	10	32	—	pCi/L	Y	U	U	09-2858	CAMO-09-9563	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.817	—	—	0.5	µg/L	Y	J	J	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.798	—	—	0.5	µg/L	Y	J	J	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	12-1054	CAMO-12-12028	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	10	—	—	2.5	µg/L	Y	U	U	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.449	—	—	0.017	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.456	—	—	0.017	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.57	—	—	0.085	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.453	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.461	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.52	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0766	—	—	0.01	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.342	—	—	0.05	µg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.342	—	—	0.05	µg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.351	—	—	0.05	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.337	—	—	0.05	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.34	—	—	0.05	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	05/25/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.356	—	—	0.05	µg/L	Y	—	NQ	11-2548	CAMO-11-10772	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00248	0.00554	0.0167	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0082	0.00612	0.0184	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0088	0.036	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0024	0.03	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00598	0.0035	0.027	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00312	0.0031	0.051	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00248	0.00429	0.0298	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00273	0.00723	0.0329	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00623	0.0046	0.051	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00487	0.0049	0.044	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00199	0.0035	0.027	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0227	0.0092	0.036	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.68	—	—	0.05	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.79	—	—	0.05	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.78	—	—	0.05	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.2	18.2	73.6	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-0.54	18	70	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-28.8	21	69	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.51	18	64	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-14.9	14	42	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18	20	63	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.1	—	—	0.053	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.6	—	—	0.053	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73	—	—	0.053	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.29	1.21	4.25	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.993	1.25	4.47	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.168	1.6	5.1	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.48	1.8	5.8	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.125	1.4	4.1	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.59	1.6	4.6	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	µS/cm	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	µS/cm	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	µS/cm	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	291	—	—	1	µS/cm	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	µS/cm	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	158	—	—	1	µS/cm	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	158	—	—	1	µS/cm	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	57.7	—	—	1	µg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60	—	—	1	µg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.6	—	—	1	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.7	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	62.6	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.9	—	—	1	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.194	0.147	0.498	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.191	0.123	0.486	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0393	0.12	0.47	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.105	0.11	0.39	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.216	0.12	0.48	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0636	0.094	0.32	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.59	—	—	0.133	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.63	—	—	0.133	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.75	—	—	0.133	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.75	—	—	0.133	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.79	—	—	0.133	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.75	—	—	0.1	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.64	—	—	0.1	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116	—	—	3.4	mg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.035	—	—	0.035	mg/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0807	—	—	0.035	mg/L	Y	J	J	12-1515	CAMO-12-21779	GELC
R-34	883.7	05/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1330	CAMO-12-14034	GELC
R-34	883.7	03/06/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1054	CAMO-12-12019	GELC
R-34	883.7	03/06/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1054	CAMO-12-12012	GELC
R-34	883.7	11/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-323	CAMO-12-1532	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	1	—	—	0.35	mg/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.566	—	—	0.33	mg/L	Y	J	J	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.605	—	—	0.33	mg/L	Y	J	J	12-1515	CAMO-12-21779	GELC
R-34	883.7	05/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.489	—	—	0.33	mg/L	Y	J	J	12-1330	CAMO-12-14034	GELC
R-34	883.7	03/06/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.458	—	—	0.33	mg/L	Y	J	J-	12-1054	CAMO-12-12019	GELC
R-34	883.7	03/06/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.447	—	—	0.33	mg/L	Y	J	J-	12-1054	CAMO-12-12012	GELC
R-34	883.7	11/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.624	—	—	0.33	mg/L	Y	J	J	12-323	CAMO-12-1532	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.713	0.646	2.117	—	pCi/L	Y	U	UJ	12-1515A	CAMO-12-21790	ARSL
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.827	0.665	2.165	—	pCi/L	Y	U	UJ	12-1515A	CAMO-12-21779	ARSL
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.483	0.7084	2.4794	—	pCi/L	Y	U	U	11-3305	CAMO-11-24650	ARSL
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.644	0.6762	2.254	—	pCi/L	Y	U	U	11-2539	CAMO-11-10771	ARSL
R-34	883.7	11/09/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.1234	0.8372	2.1574	—	pCi/L	N	—	R	11-474	CAMO-11-1302	ARSL
R-34	883.7	11/09/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.7084	0.6762	2.1574	—	pCi/L	Y	U	U	11-474	CAMO-11-1302	ARSL
R-34	883.7	05/06/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.4168	0.5796	1.932	—	pCi/L	N	U	R	10-3120	CAMO-10-16837	ARSL
R-34	883.7	05/06/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.3524	0.5796	1.932	—	pCi/L	Y	U	U	10-3120	CAMO-10-16837	ARSL
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.465	—	—	0.067	µg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.476	—	—	0.067	µg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.401	—	—	0.067	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.488	—	—	0.067	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.432	—	—	0.067	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.473	—	—	0.067	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.32	—	—	0.067	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.288	0.0303	0.0713	—	pCi/L	Y	—	NQ	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.352	0.0331	0.0745	—	pCi/L	Y	—	NQ	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.329	0.046	0.084	—	pCi/L	Y	—	NQ	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.284	0.033	0.064	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.355	0.036	0.051	—	pCi/L	Y	—	NQ	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.325	0.048	0.081	—	pCi/L	Y	—	NQ	10-1807	CAMO-10-9350	GELC

Table C-2 Mortandad and Sandia Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0066	0.00809	0.0461	—	pCi/L	Y	U	U	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0345	0.0119	0.0481	—	pCi/L	Y	U	U	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0153	0.014	0.052	—	pCi/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.023	0.0083	0.037	—	pCi/L	Y	U	U	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00976	0.0077	0.031	—	pCi/L	Y	U	U	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.013	0.064	—	pCi/L	Y	U	U	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.184	0.0231	0.0362	—	pCi/L	Y	—	NQ	12-1515	CAMO-12-21790	GELC
R-34	883.7	08/23/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.14	0.022	0.0378	—	pCi/L	Y	—	NQ	12-1515	CAMO-12-21779	GELC
R-34	883.7	08/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.119	0.026	0.065	—	pCi/L	Y	—	NQ	11-3174	CAMO-11-24650	GELC
R-34	883.7	05/25/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.139	0.021	0.029	—	pCi/L	Y	—	NQ	11-2549	CAMO-11-10771	GELC
R-34	883.7	07/09/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.154	0.022	0.035	—	pCi/L	Y	—	NQ	10-3632	CAMO-10-22881	GELC
R-34	883.7	02/10/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.182	0.034	0.058	—	pCi/L	Y	—	NQ	10-1807	CAMO-10-9350	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.73	—	—	1	µg/L	Y	—	NQ	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.34	—	—	1	µg/L	Y	—	NQ	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.65	—	—	1	µg/L	Y	—	NQ	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.68	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.76	—	—	1	µg/L	Y	—	NQ	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.36	—	—	1	µg/L	Y	—	NQ	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.64	—	—	1	µg/L	Y	—	NQ	11-3174	CAMO-11-24651	GELC
R-34	883.7	08/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.63	—	—	3.3	µg/L	Y	J	J	12-1515	CAMO-12-21799	GELC
R-34	883.7	08/23/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.17	—	—	3.3	µg/L	Y	J	J	12-1515	CAMO-12-21780	GELC
R-34	883.7	05/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.52	—	—	3.3	µg/L	Y	J	J	12-1330	CAMO-12-14035	GELC
R-34	883.7	03/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.09	—	—	3.3	µg/L	Y	J	J	12-1054	CAMO-12-12028	GELC
R-34	883.7	03/06/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.92	—	—	3.3	µg/L	Y	J	J	12-1054	CAMO-12-12013	GELC
R-34	883.7	11/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-323	CAMO-12-1533	GELC
R-34	883.7	08/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-3174	CAMO-11-24651	GELC

Appendix D

Groundwater Results Greater Than Half of Screening Levels

Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Unit	Dilution Factor	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Alluvial	MCO-7	39	03/22/12	General Chemistry	Fluoride	F(-1)	F[a]	INIT[b]	REG[c]	Y[d]	0.941	0.033	mg/L	1	NQ[e]	NQ	Y	EPA:300.0	GELC[f]	1.6	NMWQCC GW STD[g]	0.59
Alluvial	MCO-7	39	05/29/12	General Chemistry	Fluoride	F(-1)	F	INIT	REG	Y	1.06	0.033	mg/L	1	NQ	NQ	Y	EPA:300.0	GELC	1.6	NMWQCC GW STD	0.66
Alluvial	MCO-7	39	08/14/12	General Chemistry	Fluoride	F(-1)	F	INIT	REG	Y	0.981	0.033	mg/L	1	NQ	NQ	Y	EPA:300.0	GELC	1.6	NMWQCC GW STD	0.61
Alluvial	MCO-7	39	03/22/12	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	7.47	0.5	µg/L	10	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	1.87
Alluvial	MCO-7	39	05/29/12	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	7.06	0.5	µg/L	10	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	1.77
Alluvial	MCO-7	39	08/14/12	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	6.23	0.5	µg/L	10	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	1.56
Intermediate	R-12 S1	459	08/20/12	Metals	Manganese	Mn	F	INIT	REG	Y	138	2	µg/L	1	NQ	NQ	Y	SW-846:6010B	GELC	200	NMWQCC GW STD	0.69

[a] F = Filtered.

[b] INIT = Initial.

[c] REG = Regular.

[d] Y = Yes.

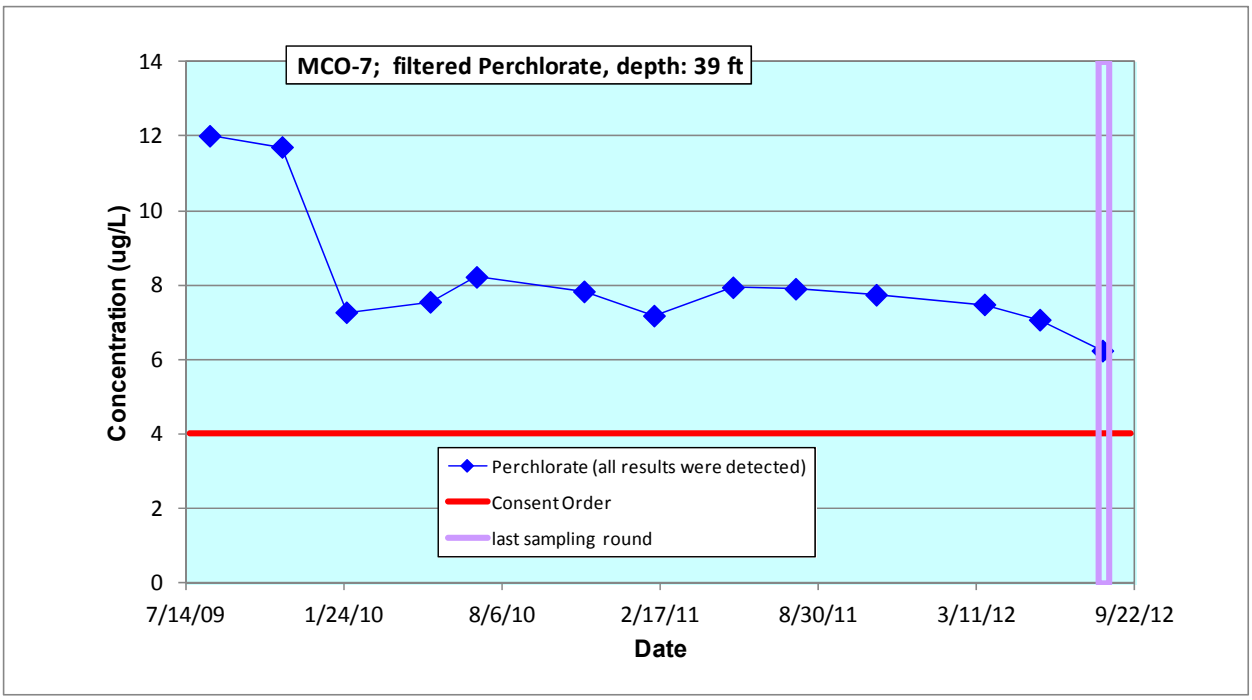
[e] NQ = Not qualified.

[f] GELC = General Engineering Laboratories, Inc., Charleston, SC.

[g] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.

Appendix E

Analytical Chemistry Graphs of Screening-Level Exceedances


MCO-7; filtered Perchlorate, depth: 39 ft
Concentration (ug/L)
14
12
10
8
6
4
2
0
7/14/09
1/24/10
8/6/10
2/17/11
8/30/11
3/11/12
9/22/12
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
12-1492	INORGANIC	GELC[a]	CAMO-12-21785	08/09/12	R-16 S2	863.4	870.9
12-1492	INORGANIC	GELC	CAMO-12-21786	08/09/12	R-16 S4	1237	1244.6
12-1492	INORGANIC	GELC	CAMO-12-21794	08/09/12	R-16 S2	863.4	870.9
12-1492	INORGANIC	GELC	CAMO-12-21795	08/09/12	R-16 S4	1237	1244.6
12-1492	INORGANIC	GELC	CAMO-12-21796	08/09/12	R-16r	600	617.6
12-1492	INORGANIC	GELC	CAMO-12-21787	08/09/12	R-16r	600	617.6
12-1492	ORGANIC	GELC	CAMO-12-21785	08/09/12	R-16 S2	863.4	870.9
12-1492	ORGANIC	GELC	CAMO-12-21786	08/09/12	R-16 S4	1237	1244.6
12-1492	ORGANIC	GELC	CAMO-12-21787	08/09/12	R-16r	600	617.6
12-1492	RAD[b]	GELC	CAMO-12-21785	08/09/12	R-16 S2	863.4	870.9
12-1492	RAD	GELC	CAMO-12-21786	08/09/12	R-16 S4	1237	1244.6
12-1492	RAD	GELC	CAMO-12-21787	08/09/12	R-16r	600	617.6
12-1498	INORGANIC	GELC	CAMO-12-21784	08/14/12	MCO-7	39	69
12-1498	INORGANIC	GELC	CAMO-12-21793	08/14/12	MCO-7	39	69
12-1498	ORGANIC	GELC	CAMO-12-21784	08/14/12	MCO-7	39	69
12-1498	RAD	GELC	CAMO-12-21784	08/14/12	MCO-7	39	69
12-1510	INORGANIC	GELC	CASA-12-21769	08/20/12	R-12 S1	459	467.5
12-1510	INORGANIC	GELC	CASA-12-21770	08/20/12	R-12 S2	504.5	508
12-1510	INORGANIC	GELC	CASA-12-21775	08/20/12	R-12 S1	459	467.5
12-1510	INORGANIC	GELC	CASA-12-21776	08/20/12	R-12 S2	504.5	508
12-1510	ORGANIC	GELC	CASA-12-21769	08/20/12	R-12 S1	459	467.5
12-1510	ORGANIC	GELC	CASA-12-21770	08/20/12	R-12 S2	504.5	508
12-1510	RAD	GELC	CASA-12-21769	08/20/12	R-12 S1	459	467.5
12-1510	RAD	GELC	CASA-12-21770	08/20/12	R-12 S2	504.5	508
12-1511	INORGANIC	GELC	CAMO-12-21797	08/21/12	R-33 S1	995.5	1018.5
12-1511	INORGANIC	GELC	CAMO-12-21798	08/21/12	R-33 S2	1112.4	1122.3
12-1511	INORGANIC	GELC	CAMO-12-21788	08/21/12	R-33 S1	995.5	1018.5
12-1511	INORGANIC	GELC	CAMO-12-21789	08/21/12	R-33 S2	1112.4	1122.3
12-1511	ORGANIC	GELC	CAMO-12-21788	08/21/12	R-33 S1	995.5	1018.5
12-1511	ORGANIC	GELC	CAMO-12-21789	08/21/12	R-33 S2	1112.4	1122.3
12-1511	RAD	GELC	CAMO-12-21788	08/21/12	R-33 S1	995.5	1018.5
12-1511	RAD	GELC	CAMO-12-21789	08/21/12	R-33 S2	1112.4	1122.3
12-1512	RAD	ARSL[c]	CAMO-12-21788	08/21/12	R-33 S1	995.5	1018.5
12-1513	INORGANIC	GELC	CASA-12-21766	08/22/12	R-10 S1	874	897
12-1513	INORGANIC	GELC	CASA-12-21760	08/22/12	R-10a	690	700
12-1513	INORGANIC	GELC	CASA-12-21761	08/22/12	R-10a	690	700
12-1513	INORGANIC	GELC	CASA-12-21772	08/22/12	R-10 S1	874	897

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
12-1513	INORGANIC	GELC	CASA-12-21767	08/22/12	R-10 S2	1042	1065
12-1513	INORGANIC	GELC	CASA-12-21773	08/22/12	R-10 S2	1042	1065
12-1513	INORGANIC	GELC	CASA-12-21774	08/22/12	R-10a	690	700
12-1513	INORGANIC	GELC	CASA-12-21768	08/22/12	R-10a	690	700
12-1513	ORGANIC	GELC	CASA-12-21760	08/22/12	R-10a	690	700
12-1513	ORGANIC	GELC	CASA-12-21766	08/22/12	R-10 S1	874	897
12-1513	ORGANIC	GELC	CASA-12-21767	08/22/12	R-10 S2	1042	1065
12-1513	ORGANIC	GELC	CASA-12-21768	08/22/12	R-10a	690	700
12-1513	RAD	GELC	CASA-12-21766	08/22/12	R-10 S1	874	897
12-1513	RAD	GELC	CASA-12-21760	08/22/12	R-10a	690	700
12-1513	RAD	GELC	CASA-12-21767	08/22/12	R-10 S2	1042	1065
12-1513	RAD	GELC	CASA-12-21768	08/22/12	R-10a	690	700
12-1515	INORGANIC	GELC	CAMO-12-21799	08/23/12	R-34	883.7	906.6
12-1515	INORGANIC	GELC	CAMO-12-21779	08/23/12	R-34	883.7	906.6
12-1515	INORGANIC	GELC	CAMO-12-21780	08/23/12	R-34	883.7	906.6
12-1515	INORGANIC	GELC	CAMO-12-21790	08/23/12	R-34	883.7	906.6
12-1515	ORGANIC	GELC	CAMO-12-21779	08/23/12	R-34	883.7	906.6
12-1515	ORGANIC	GELC	CAMO-12-21790	08/23/12	R-34	883.7	906.6
12-1515	RAD	GELC	CAMO-12-21779	08/23/12	R-34	883.7	906.6
12-1515	RAD	GELC	CAMO-12-21790	08/23/12	R-34	883.7	906.6
12-1515ARS	RAD	ARSL	CAMO-12-21779	08/23/12	R-34	883.7	906.6
12-1515ARS	RAD	ARSL	CAMO-12-21790	08/23/12	R-34	883.7	906.6
12-1530	RAD	ARSL	CASA-12-21766	08/22/12	R-10 S1	874	897
12-1530	RAD	ARSL	CASA-12-21760	08/22/12	R-10a	690	700
12-1530	RAD	ARSL	CASA-12-21767	08/22/12	R-10 S2	1042	1065
12-1530	RAD	ARSL	CASA-12-21768	08/22/12	R-10a	690	700
12-1492	INORGANIC	GELC	CAMO-12-21785	08/09/12	R-16 S2	863.4	870.9
12-1492	INORGANIC	GELC	CAMO-12-21786	08/09/12	R-16 S4	1237	1244.6
12-1492	INORGANIC	GELC	CAMO-12-21794	08/09/12	R-16 S2	863.4	870.9
12-1492	INORGANIC	GELC	CAMO-12-21795	08/09/12	R-16 S4	1237	1244.6
12-1492	INORGANIC	GELC	CAMO-12-21796	08/09/12	R-16r	600	617.6
12-1492	INORGANIC	GELC	CAMO-12-21787	08/09/12	R-16r	600	617.6
12-1492	ORGANIC	GELC	CAMO-12-21785	08/09/12	R-16 S2	863.4	870.9
12-1492	ORGANIC	GELC	CAMO-12-21786	08/09/12	R-16 S4	1237	1244.6

[a] GELC = General Engineering Laboratories, Inc., Charleston, SC.

[b] RAD = Radiochemistry (not gamma).

[c] ARSL = American Radiation Services, Inc.