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Date: APR 24 2015
Refer To: ADESH-15-063
LAUR: 15-20805
Locates Action No.: N/A

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NMED
Hazardous Waste Bureau

John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Submittal of the Periodic Monitoring Report for San Ildefonso Pueblo Locations within the General Surveillance Monitoring Group, June 2–October 30, 2014

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the Periodic Monitoring Report (PMR) for San Ildefonso Pueblo Locations within the General Surveillance Monitoring Group, June 2–October 30, 2014.

This periodic monitoring report (PMR) presents analytical results from the Interim Facility-Wide Groundwater Monitoring Plan's General Surveillance Monitoring Group sampling locations within the boundary of the San Ildefonso Pueblo. Analytical results for this monitoring group's locations outside the Pueblo boundary were submitted in PMRs submitted on March 2, 2015.

This one-time submittal presents the results of sampling at locations on Pueblo land that were previously unreported. The memorandum of agreement between the U.S. Department of Energy (DOE)/National Nuclear Security Administration (NNSA) and the Pueblo requires DOE/NNSA to provide a 60-day period for the Pueblo to review the data and consult on a draft of any document containing Confidential Pueblo Information or Sensitive Data arising from, or relating to, the Pueblo before the data are disclosed or the final report is prepared. DOE/NNSA received approval from the Pueblo to release the data on March 26, 2015.

If you have any questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hai.shen@em.doe.gov).

Sincerely,

Alison M. Dorries, Division Leader
Environmental Protection Division
Los Alamos National Laboratory

Sincerely,

Christine Gelles, Acting Manager
Environmental Management
Los Alamos Field Office

AD/CG/DM/SP:sm

Enclosures: Two hard copies with electronic files – Periodic Monitoring Report for San Ildefonso Pueblo Locations within the General Surveillance Monitoring Group, June 2–October 30, 2014 (EP2015-0024)

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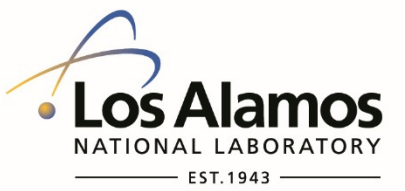
LA-UR-15-20805
April 2015
EP2015-0024

Periodic Monitoring Report for San Ildefonso Pueblo Locations within the General Surveillance Monitoring Group, June 2–October 30, 2014



Prepared by the Environmental Programs Directorate

EP2015-0024

Periodic Monitoring Report for San Ildefonso Pueblo Locations within the General Surveillance Monitoring Group, June 2–October 30, 2014

April 2015

Responsible project manager:

Printed Name	Signature	Title	Organization	Date
Steve Paris		Project Manager	Environmental Programs	4/9/2015

Responsible LANS representative:

Printed Name	Signature	Title	Organization	Date
Randall Erickson	for R. Erickson	Acting Associate Director	Environmental Programs	4/8/15

Responsible DOE representative:

Printed Name	Signature	Title	Organization	Date
Christine Gelles		Acting Manager	DOE-EM-LA	4/23/15

EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results that were withheld from previously submitted PMRs pending review by Pueblo de San Ildefonso. This review is required under the memorandum of agreement dated May 28, 2014, between the U.S. Department of Energy/National Nuclear Security Administration Los Alamos Field Office and the Pueblo de San Ildefonso.

This PMR provides results for locations in the San Ildefonso Pueblo portion of the General Surveillance monitoring group from the periodic monitoring events ([PMEs] collectively described in this document as "the PME") reported in the following:

- "Periodic Monitoring Report for Los Alamos and Pueblo Watershed General Surveillance Monitoring Group, June 2–June 18, 2014," for LA Canyon near Otowi Bridge, LLAO-1b, LLAO-4, Los Alamos Spring, and Vine Tree Spring;
- "Periodic Monitoring Report for Mortandad and Sandia Watershed General Surveillance Monitoring Group, July 8–July 25, 2014," for R-10 S1, R-10 S2, R-10a, and R-34; and
- "Periodic Monitoring Report for White Rock Canyon General Surveillance Monitoring Group, September 29–October 30, 2014," for Mortandad at Rio Grande, Rio Grande at Otowi Bridge, La Mesita Spring, Sacred Spring, Sandia Spring, Spring 1, and Spring 2.

The first two parts of the PME were conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2014 Monitoring Year, October 2013–September 2014, prepared in accordance with the Compliance Order on Consent. The third part of the PME was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2015 Monitoring Year, October 2014–September 2015.

The PME documented in this report occurred from June 2 to October 30, 2014, and included the monitoring of groundwater wells or well screens, springs, and base-flow locations. 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 results from previous PME surface-water samples are reported in this PMR. For surface-water samples collected during this PME, no results were above screening levels.

One groundwater result from previous sampling of PME monitoring locations reported in this PMR was above screening levels. Two results from groundwater samples collected during this PME were above screening levels.

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Plate

Plate 1 Groundwater elevations

Acronyms and Abbreviations

amsl	above mean sea level
AOC	area of concern
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
DCS	Derived Concentration Technical Standard (DOE)
DOE	Department of Energy (U.S.)
ESH	Environment, Safety, and Health (Directorate)
EPA	Environmental Protection Agency (U.S.)
F	filtered
gpm	gallons per minute
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDL	method detection limit
N	no (best value flag code)
NMED	New Mexico Environment Department
NM HH OO	Human health organism only, New Mexico surface-water standards
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
SOP	standard operating procedure
SWMU	solid waste management unit
TA	technical area
UF	unfiltered
Y	yes (best value flag code)

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides the results that were withheld from previously submitted PMRs pending review by Pueblo de San Ildefonso. This review is required under the memorandum of agreement dated May 28, 2014, between the U.S. Department of Energy (DOE)/National Nuclear Security Administration Los Alamos Field Office and the Pueblo de San Ildefonso.

This PMR provides results in the San Ildefonso Pueblo portion of the General Surveillance monitoring group for locations from the periodic monitoring events ([PMEs] collectively described in this document as "the PME") reported in the following:

- "Periodic Monitoring Report for Los Alamos and Pueblo Watershed General Surveillance Monitoring Group, June 2–June 18, 2014" (LANL 2014, 600057) for LA Canyon near Otowi Bridge, LLAO-1b, LLAO-4, Los Alamos Spring, and Vine Tree Spring;
- "Periodic Monitoring Report for Mortandad and Sandia Watershed General Surveillance Monitoring Group, July 8–July 25, 2014" (LANL 2014, 600059) for R-10 S1, R-10 S2, R-10a, and R-34; and
- "Periodic Monitoring Report for White Rock Canyon General Surveillance Monitoring Group, September 29–October 30, 2014" (LANL 2015, 600249) for Mortandad at Rio Grande, Rio Grande at Otowi Bridge, La Mesita Spring, Sacred Spring, Sandia Spring, Spring 1, and Spring 2.

The first two parts of the PME were conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2014 Monitoring Year, October 2013–September 2014 (2014 IFGMP) (LANL 2013, 241962), prepared in accordance with the Compliance Order on Consent (the Consent Order). The third part of the PME was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2015 Monitoring Year, October 2014–September 2015 (2015 IFGMP) (LANL 2014, 256728). The PME documented in this report occurred from June 2 to October 30, 2014, and included the monitoring of groundwater wells or well screens, springs, and base-flow locations.

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 a 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 screening levels and results from previous reports)
- a summary based on the data and the screening analysis

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

1.1 Background

Most of the monitoring wells discussed in the 2014 IFGMP (LANL 2013, 241962) and the 2015 IFGMP (LANL 2014, 256728) 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 San Ildefonso Pueblo portion of the General Surveillance monitoring group.

1.1.1 Los Alamos and Pueblo Watershed

Some of the wells in the Los Alamos and Pueblo watershed are assigned to the Los Alamos and Pueblo watershed portion of the General Surveillance monitoring group. Other wells in Los Alamos Canyon are assigned to the Technical Area 21 (TA-21) monitoring group. The TA-21 monitoring group is located in and around TA-21 and is primarily located in upper Los Alamos Canyon. TA-21 is located on the mesa north of Los Alamos Canyon, which is joined by DP Canyon, east of TA-21. TA-21 consists of two past operational areas, DP West and DP East, both of which produced liquid and solid radioactive wastes. The operations at DP West included plutonium processing, while the operations at DP East included the production of weapons initiators and tritium research.

From 1952 to 1986, a liquid-waste treatment plant discharged effluent containing radionuclides from the former plutonium-processing facility at TA-21 into DP Canyon. Primary sources of contaminants in the vicinity of the TA-21 monitoring group include the effluent outfall [Solid Waste Management Unit (SWMU) 21-011(k)], the adsorption beds and disposal shafts at Material Disposal Area T, DP West, and waste lines and sumps. Other potential sources include DP East and leakage from an underground diesel fuel line. The monitoring objectives for the TA-21 monitoring group are based in part on the results and conclusions presented in the Los Alamos and Pueblo Canyons Investigation Report (LANL 2004, 087390) as well as on the NMED-approved Los Alamos and Pueblo Canyons Groundwater Monitoring Well Network Evaluation and Recommendations, Revision 1 (LANL 2008, 101330).

Los Alamos Canyon received releases of radioactive effluents during the earliest Manhattan Project operations at TA-01 (1942–1945) and until 1993 from nuclear reactors at TA-02. Los Alamos Canyon also received radionuclides and metals in discharges from the sanitary sewage lagoons and cooling towers at the Los Alamos Neutron Science Center at TA-53. Except for strontium-90, contaminant concentrations in shallow groundwater have decreased dramatically in recent decades.

Pueblo Canyon receives effluent from the new Los Alamos County Wastewater Treatment Plant (completed in 2007). Acid Canyon, a tributary, received radioactive industrial effluent from 1943 to 1964. Compared with past decades, little radioactivity is found in current groundwater samples.

1.1.2 Mortandad and Sandia Watershed

Some of the wells in the Mortandad and Sandia watershed are assigned to the Mortandad and Sandia watershed portion of the General Surveillance monitoring group. Other wells in Mortandad and Sandia Canyons are assigned to the Chromium Investigation monitoring group, which is located in Mortandad and Sandia 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 discharge was suspended in 2011 because of process changes at the RLWTF.

Sandia Canyon heads on Laboratory property within 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 SWMUs and areas of concern (AOCs) are located within the portions of these TAs in the Sandia Canyon watershed.

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. TAs located in the Mortandad Canyon watershed include TA-03, TA-05, TA-35, TA-48, TA-50, TA-52, TA-55, TA-60, TA-63, former TA-04, and former TA-42. A total of 257 SWMUs and AOCs are located within the portions of these TAs in the Mortandad Canyon watershed.

Chromium concentrations exceed the NMED groundwater standard in Mortandad Canyon regional aquifer wells R-28, R-62, R-42, R-43, 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 (LANL 2009, 107453) and the Phase II Investigation Report for Sandia Canyon (LANL 2012, 228624).

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 Investigation Report for Sandia Canyon (LANL 2009, 107453) and the Phase II Investigation Report for Sandia Canyon (LANL 2012, 228624).

1.1.2 White Rock Canyon

The Rio Grande flows from northeast to southwest in the vicinity of the Laboratory and forms a part of the eastern Laboratory boundary. The White Rock Canyon springs are located along the Rio Grande at the eastern border of the Laboratory and on Los Alamos County and San Ildefonso Pueblo lands. The springs serve as monitoring points to detect possible discharges of contaminated groundwater from beneath the Laboratory into the Rio Grande. The White Rock springs are one of the most frequently monitored locations in or next to the Laboratory. Most of the major springs have been sampled regularly since the late 1960s, with some sampled since the early 1950s.

Tritium operations took place at TA-33. The Resource Conservation and Recovery Act facility investigation work plan for Operable Unit 1122 (LANL 1992, 007671) describes environmental concerns at TA-33. A total of 60 SWMUs and AOCs are located within TA-33. To the north of TA-33 lies TA-70, a buffer area where no Laboratory activities have occurred. There are no SWMUs or AOCs within TA-70. Adjoining TA-70 to the north are low- to moderate-density residential areas in White Rock, a mix of private property, and Los Alamos County land. A municipal sanitary treatment plant discharges effluent into Mortandad Canyon just above the river at the northern county boundary. San Ildefonso Pueblo property borders Los Alamos County on the north; this land is undeveloped. San Ildefonso Pueblo operates numerous water-supply wells on both sides of the Rio Grande, and the City of Santa Fe operates the Buckman well field on the east side of the Rio Grande across from White Rock.

2.0 SCOPE OF ACTIVITIES

The first two parts of the PME in the San Ildefonso Pueblo portion of the General Surveillance monitoring group were conducted pursuant to the 2014 IFGMP (LANL 2013, 241962), prepared in accordance with the Compliance Order on Consent. The third part of the PME was conducted pursuant to the 2015 IFGMP (LANL 2014, 256728).

Table 2.0-1 provides the location name, sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge or flow rate for each of the locations scheduled to be monitored. These locations are shown in Figure 2.0-1. Some locations on this map may not have been sampled.

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 2014 IFGMP (LANL 2013, 241962) and the 2015 IFGMP (LANL 2014, 256728).

3.2 Field Parameter Results

Appendix A contains the field parameter results for this PME and for 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. Base-flow measurements are shown graphically in Figure 3.3-1.

3.4 Deviations from Planned Scope

Table 3.4-1 describes the fieldwork deviations from the planned scope of the PME.

Different analytical methods were used to analyze some of the organic compounds presented in this report. For Los Alamos Canyon samples collected at Vine Tree Spring and LLAO-4, Table 3.4-2 presents a list of analytes for which the method detection limits (MDLs) are greater than screening levels. For some of these analytes, the MDL is much lower than for earlier analyses. Table 3.4-3 presents a list of analytes for which the MDLs for these samples are now below screening levels.

For White Rock Canyon samples, Table 3.4-4 presents a list of analytes for which the MDLs are greater than screening levels. Some of the analytes were measured using more than one analytical method or analytical laboratory, leading to a range of MDLs. Table 3.4-5 presents a list of analytes for which the MDLs for these samples are now below screening levels. The tables apply to the results with the lowest MDL, so the analytical method and analytical laboratory are included in the tables for reference.

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 2014 IFGMP (LANL 2013, 241962) and the 2015 IFGMP (LANL 2014, 256728). 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-010.3, Land Application of Groundwater. ENV-RCRA-QP-010.3 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 listed at http://www.lanl.gov/community-environment/environmental-stewardship/plans-procedures.php and are available at eprr.lanl.gov. 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 blanks, 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 (Table 4.2-2). 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 (Table 4.2-2). 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. This report was prepared using the May 2014 EPA regional screening levels for the first two parts of the PME and the November 2014 EPA regional screening levels for the third part of the PME.
- 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 Technical Standards (DCSs) 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 4.2-3 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. Appendix E contains all locations where screening levels were exceeded, not just those scheduled to be sampled during this PME. 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 levels at more than one sampling location, so no maps showing concentrations are included.

4.2.1 Surface Water (Base Flow)

No results from previous PME surface-water samples are reported in this PMR. No results from surface-water samples collected during this PME were above screening levels.

4.2.2 Groundwater

At intermediate Vine Tree Spring on San Ildefonso Pueblo land, the perchlorate concentrations of 5.66 µg/L from a December 17, 2013, sample and 5.89 µg/L from a sample collected for the current PME on June 18, 2014, were above the 4-µg/L Consent Order screening level (Table 4.2-3). Vine Tree Spring is a few feet from Basalt Spring, which has been monitored since the 1960s. Basalt Spring apparently dried up, and discharge moved to Vine Tree Spring, where samples have been collected since 2011. Together, the perchlorate concentrations at Vine Tree Spring and Basalt Spring have been near or above the screening level since late 2008. Five previous measurements at Vine Tree Spring since August 2011 range from 4.86 µg/L to 5.58 µg/L. The result for the current PME is the highest measured at the spring.

The manganese concentration of 679 µg/L in a filtered primary sample from Sacred Spring on San Ildefonso Pueblo land was above the NMWQCC groundwater standard screening level of 200 µg/L (applicable to domestic water supply). The concentration was 706 µg/L in a field duplicate sample. Other results since 2000 range from nondetect (<2.29 µg/L) to 994 µg/L.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the San Ildefonso Pueblo 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 results from previous PME surface-water samples are reported in this PMR. No results from surface-water samples collected during this PME were above screening levels.

5.2.2 Groundwater

One groundwater result from previous sampling of PME monitoring locations reported in this PMR was above screening levels. Two results from groundwater samples collected during this PME were above screening levels (Table 4.2-3).

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, with some exceptions. The perchlorate concentration from the current PME at Vine Tree Spring is the highest to date.

5.3 Data Gaps

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

5.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the San Ildefonso Pueblo portion of the 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 or ESH ID. This information is also included in text citations. ER IDs were assigned by the Environmental Programs Directorate's Records Processing Facility (IDs through 599999), and ESH IDs are assigned by the Environment, Safety, and Health (ESH) Directorate (IDs 600000 and above). IDs are used to locate documents in the Laboratory's Electronic Document Management System and, where applicable, in the master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau and the ESH 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.

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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), April 2004. "Los Alamos and Pueblo Canyons Investigation Report," Los Alamos National Laboratory document LA-UR-04-2714, Los Alamos, New Mexico. (LANL 2004, 087390)

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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), September 2012. "Phase II Investigation Report for Sandia Canyon," Los Alamos National Laboratory document LA-UR-12-24593, Los Alamos, New pMexico. (LANL 2012, 228624)

LANL (Los Alamos National Laboratory), May 2013. "Interim Facility-Wide Groundwater Monitoring Plan for the 2014 Monitoring Year, October 2013–September 2014," Los Alamos National Laboratory document LA-UR-13-23479, Los Alamos, New Mexico. (LANL 2013, 241962)

LANL (Los Alamos National Laboratory), May 2014. "Interim Facility-Wide Groundwater Monitoring Plan for the 2015 Monitoring Year, October 2014–September 2015," Los Alamos National Laboratory document LA-UR-14-23327, Los Alamos, New Mexico. (LANL 2014, 256728)

LANL (Los Alamos National Laboratory), November 2014. "Periodic Monitoring Report for Los Alamos and Pueblo Watershed General Surveillance Monitoring Group, June 2–June 18, 2014," Los Alamos National Laboratory document LA-UR-14-28077, Los Alamos, New Mexico. (LANL 2014, 600057)

LANL (Los Alamos National Laboratory), November 2014. "Periodic Monitoring Report for Mortandad and Sandia Watershed General Surveillance Monitoring Group, July 8–July 25, 2014," Los Alamos National Laboratory document LA-UR-14-28081, Los Alamos, New Mexico. (LANL 2014, 600059)

LANL (Los Alamos National Laboratory), February 2015. "Periodic Monitoring Report for White Rock Canyon General Surveillance Monitoring Group, September 29–October 30, 2014," Los Alamos National Laboratory document LA-UR-15-20504, Los Alamos, New Mexico. (LANL 2015, 600249)

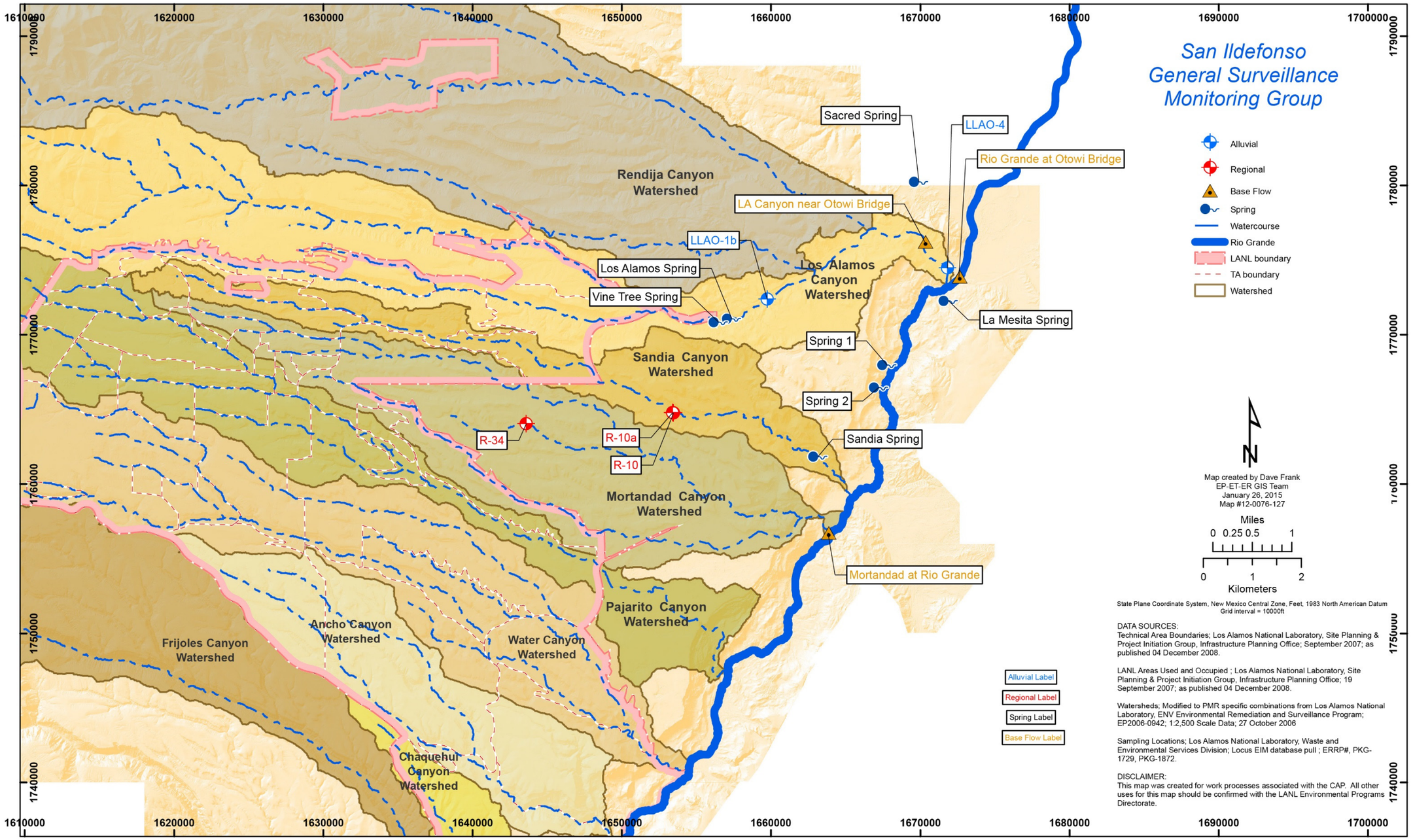

Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 3.4-1)

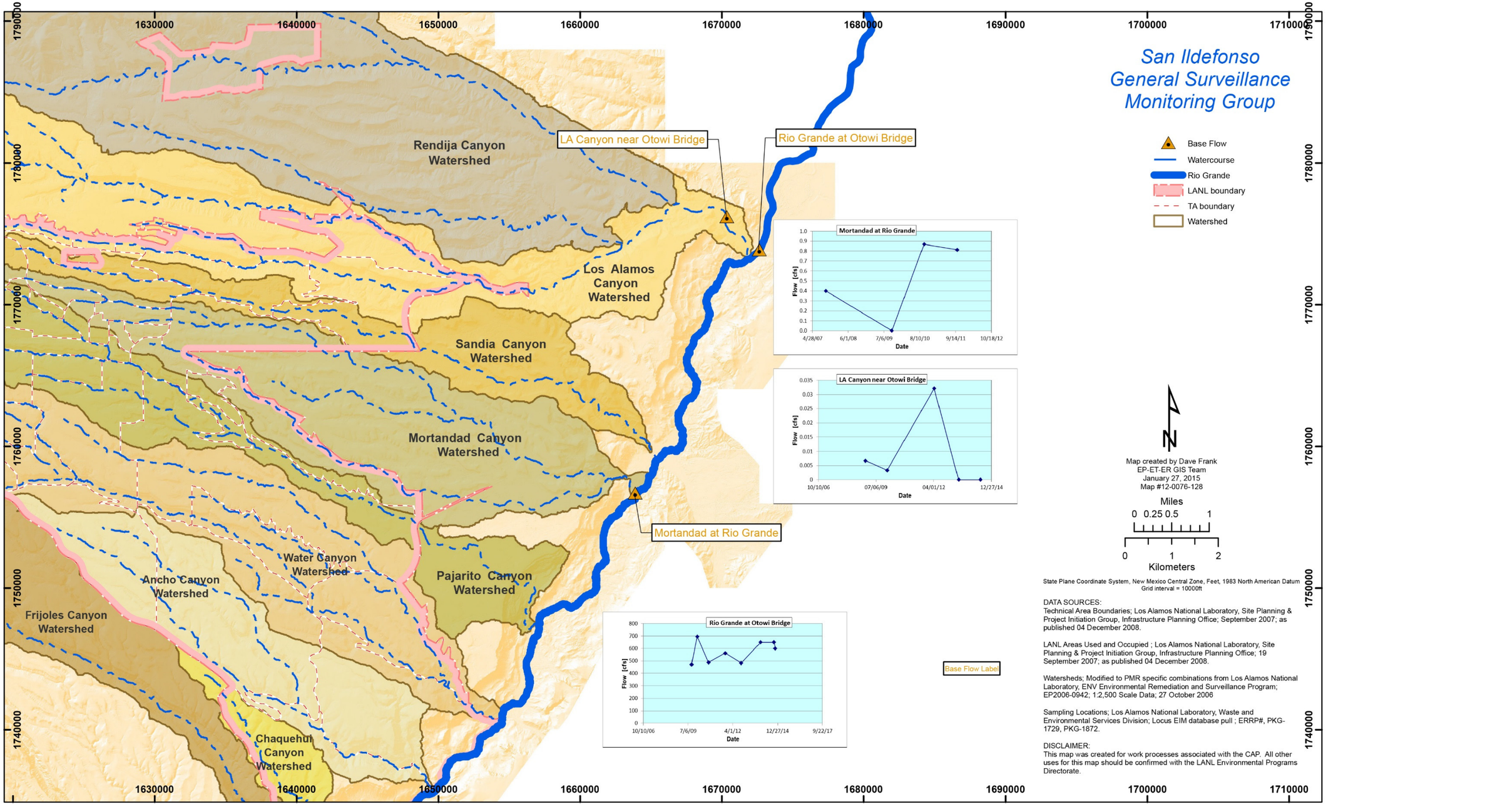

Figure 3.3-1 Base-flow measurements

Table 2.0-1
San Ildefonso Pueblo General Surveillance Monitoring Group Locations and General Information

Location	Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge or Flow Rate (gpm[a])
Base Flow							
LA Canyon near Otowi Bridge	n/a[b]	n/a	n/a	n/a	n/a	n/a	n/a[c]
Mortandad at Rio Grande	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rio Grande at Otowi Bridge	10/06/14	n/a	n/a	n/a	n/a	n/a	291,740
Rio Grande at Otowi Bridge	10/30/14	n/a	n/a	n/a	n/a	n/a	268,850
Alluvial							
LLAO-1b	n/a	10	11.32	21.32	n/a	n/a	n/a
LLAO-4	06/17/14	10	5.24	15.24	7.7	7.7	0.24
Intermediate Springs							
Los Alamos Spring	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Vine Tree Spring	06/18/14	n/a	n/a	n/a	n/a	n/a	7.6
Regional							
R-10 S1	n/a	23	874	897	n/a	n/a	n/a
R-10 S2	n/a	23	1042	1065	n/a	n/a	n/a
R-10a	n/a	10	690	700	n/a	n/a	n/a
R-34	n/a	22.9	883.7	906.6	n/a	n/a	n/a
Regional Springs							
La Mesita Spring	10/06/14	n/a	n/a	n/a	n/a	n/a	0.40
La Mesita Spring	10/29/14	n/a	n/a	n/a	n/a	n/a	0.17
Sacred Spring	10/30/14	n/a	n/a	n/a	n/a	n/a	4.49
Sandia Spring	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spring 1	09/29/14	n/a	n/a	n/a	n/a	n/a	3.14
Spring 2	09/29/14	n/a	n/a	n/a	n/a	n/a	0.17
Spring 2	10/29/14	n/a	n/a	n/a	n/a	n/a	0.40

[a] gpm = Gallons per minute.

[b] n/a = Not applicable.

Table 3.4-1
San Ildefonso Pueblo General Surveillance Monitoring Group PME Observations and Deviations

Location	Deviation	Cause	Comment
Mortandad at Rio Grande	No data are included in this report for this location.	The site was dry, so no sample was collected.	This location will be sampled during the next scheduled PME.
Sandia Spring	No data are included in this report for this location.	Flow was insufficient for sample collection, so no sample was collected.	This location will be sampled during the next scheduled PME.
La Mesita Spring, Rio Grande at Otowi Bridge, Spring 2	Two visits were required to collect samples.	Incomplete samples were collected during the initial visit because of the late completion of the sampling agreement with Pueblo de San Ildefonso.	n/a*
LLAO-1b	No data are included in this report for this location.	The location was not sampled because it was dry.	This location will be sampled during the next scheduled PME.
Los Alamos Spring	No data are included in this report for this location.	The location was not sampled because it was dry.	This location will be sampled during the next scheduled PME.
LA Canyon near Otowi Bridge	No data are included in this report for this location.	The location was not sampled because it was dry.	This location will be sampled during the next scheduled PME.
R-10 S1, R-10 S2, R-10a, and R-34	No data are included in this report for these locations.	The access agreement with the Pueblo de San Ildefonso was pending when these locations were scheduled for sampling.	These locations will be sampled during the next scheduled PME.

*n/a = Not applicable.

Table 3.4-2
Analytes with MDLs above Screening Levels (Los Alamos Canyon Samples)

Analyte or CAS[a] No.	Analyte Name	MDL	PQL[b]	Screening Level	Unit	Screening-Level Type
Semivolatile Organic Compounds						
103-33-3	Azobenzene	3.12	10.39	1.2	µg/L	EPA Regional Tap
92-87-5	Benzidine	4.05	10.39	0.00110	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	3.12	10.39	0.14	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	3.12	10.39	0.28	µg/L	NM HH OO[c]
534-52-1	Dinitro-2-methylphenol[4,6-]	3.12	10.39	1.5	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	0.00650	0.0208	0.0029	µg/L	NM HH OO
55-18-5	Nitrosodiethylamine[N-]	3.12	10.39	0.0017	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	3.12	10.39	0.0049	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	3.12	10.39	0.027	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	3.12	10.39	0.11	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	3.12	10.39	0.37	µg/L	EPA Regional Tap
Volatile Organic Compounds						
107-02-8	Acrolein	1.5	5.0	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1.05	5.0	0.52	µg/L	EPA Regional Tap
126-99-8	Chloro-1,3-butadiene[2-]	0.210	1.0	0.19	µg/L	EPA Regional Tap
96-18-4	Trichloropropane[1,2,3-]	0.3	1.0	0.0075	µg/L	EPA Regional Tap

Note: This table is applicable to samples reported in this PMR and collected before 9/29/14.

[a] CAS = Chemical Abstracts Service.

[b] PQL = Practical quantitation limit.

[c] NM HH OO = Human health organism only, New Mexico surface-water standards.

Table 3.4-3
Analytes with MDLs Now below Screening Levels (Los Alamos Canyon Samples)

Analyte or CAS[a] No.	Analyte Name	MDL	PQL[b]	Screening Level	Unit	Screening-Level Type
Semivolatile Organic Compounds						
56-55-3	Benzo(a)anthracene	0.0168	0.0524	0.18	µg/L	NM HH OO[c]
50-32-8	Benzo(a)pyrene	0.0168	0.0524	0.18	µg/L	NM HH OO
205-99-2	Benzo(b)fluoranthene	0.0168	0.0524	0.18	µg/L	NM HH OO
53-70-3	Dibenz(a,h)anthracene	0.0168	0.0524	0.034	µg/L	EPA Regional Tap
193-39-5	Indeno(1,2,3-cd)pyrene	0.0168	0.0524	0.18	µg/L	NM HH OO
87-86-5	Pentachlorophenol	0.0523	0.261	1	µg/L	EPA MCL
Volatile Organic Compounds						
96-12-8	Dibromo-3-chloropropane[1,2-]	0.00596	0.0199	0.2	µg/L	EPA MCL
106-93-4	Dibromoethane[1,2-]	0.00596	0.0199	0.05	µg/L	EPA MCL
126-98-7	Methacrylonitrile	1.05	5.0	1.9	µg/L	EPA Regional Tap

Note: This table is applicable to samples reported in this PMR and collected before 9/29/14.

[a] CAS = Chemical Abstracts Service.

[b] PQL = Practical quantitation limit.

[c] NM HH OO = Human health organism only, New Mexico surface-water standards.

Table 3.4-4
Analytes with MDLs above Screening Levels (White Rock Canyon Samples)

CAS[a] No.	Analyte Name	MDL	PQL[b]	Screening Level	Unit	Screening-Level Type	Analytical Method	Analytical Lab
Semivolatile Organic Compounds								
92-87-5	Benzidine	3.75	9.61	0.0011	µg/L	EPA Regional Tap	SW-846:8270D	GELC[c]
111-44-4	Bis(2-chloroethyl)ether	0.63	5.23	0.14	µg/L	EPA Regional Tap	SW-846:8270D	SHEALY[d]
91-94-1	Dichlorobenzidine[3,3'-]	2.88	9.61	0.28	µg/L	NM HH OO[e]	SW-846:8270D	GELC
534-52-1	Dinitro-2-methylphenol[4,6-]	1.57	26.04	1.5	µg/L	EPA Regional Tap	SW-846:8270D	SHEALY
118-74-1	Hexachlorobenzene	0.52	5.23	0.0029	µg/L	NM HH OO	SW-846:8270D	SHEALY
55-18-5	Nitrosodiethylamine[N-]	2.88	9.61	0.0017	µg/L	EPA Regional Tap	SW-846:8270D	GELC
62-75-9	Nitrosodimethylamine[N-]	0.73	5.23	0.0049	µg/L	EPA Regional Tap	SW-846:8270D	SHEALY
924-16-3	Nitroso-di-n-butylamine[N-]	1.46	5.23	0.027	µg/L	EPA Regional Tap	SW-846:8270D	SHEALY
621-64-7	Nitroso-di-n-propylamine[N-]	0.42	5.23	0.11	µg/L	EPA Regional Tap	SW-846:8270D	SHEALY
930-55-2	Nitrosopyrrolidine[N-]	2.19	5.23	0.37	µg/L	EPA Regional Tap	SW-846:8270D	SHEALY
Volatile Organic Compounds								
107-02-8	Acrolein	1.50	5.00	0.042	µg/L	EPA Regional Tap	SW-846:8260B	GELC
107-13-1	Acrylonitrile	1.03	5.00	0.52	µg/L	EPA Regional Tap	SW-846:8260B	GELC
126-99-8	Chloro-1,3-butadiene[2-]	0.21	1.00	0.19	µg/L	EPA Regional Tap	SW-846:8260B	GELC
96-18-4	Trichloropropane[1,2,3-]	0.30	1.00	0.0075	µg/L	EPA Regional Tap	SW-846:8260B	GELC

Note: This table is applicable to samples reported in this PMR and collected on or after 9/29/14.

[a] CAS = Chemical Abstracts Service.

[b] PQL = Practical quantitation limit.

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

[d] SHEALY = Shealy Environmental Services, Inc.

[e] NM HH OO = Human health organism only, New Mexico surface-water standards.

Table 3.4-5
Analytes with MDLs Now below Screening Levels (White Rock Canyon Samples)

CAS[a] No.	Analyte Name	MDL	PQL[b]	Screening Level	Unit	Screening-Level Type	Analytical Method	Analytical Lab
Semivolatile Organic Compounds								
103-33-3	Azobenzene	0.73	5.23	1.2	µg/L	EPA Regional Tap	SW-846:8270D	SHEALY[c]
56-55-3	Benzo(a)anthracene	0.02	0.05	0.18	µg/L	NM HH OO[d]	SW-846:8310	GELC[e]
50-32-8	Benzo(a)pyrene	0.02	0.05	0.18	µg/L	NM HH OO	SW-846:8310	GELC
205-99-2	Benzo(b)fluoranthene	0.02	0.05	0.18	µg/L	NM HH OO	SW-846:8310	GELC
53-70-3	Dibenz(a,h)anthracene	0.02	0.05	0.034	µg/L	EPA Regional Tap	SW-846:8310	GELC
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	0.05	0.18	µg/L	NM HH OO	SW-846:8310	GELC
87-86-5	Pentachlorophenol	0.08	0.24	1	µg/L	EPA MCL	SW-846:8151A	GELC
Volatile Organic Compounds								
96-12-8	Dibromo-3-Chloropropane[1,2-]	0.01	0.02	0.2	µg/L	EPA MCL	SW-846:8011	GELC
106-93-4	Dibromoethane[1,2-]	0.01	0.02	0.05	µg/L	EPA MCL	SW-846:8011	GELC
126-98-7	Methacrylonitrile	1.03	5.00	1.9	µg/L	EPA Regional Tap	SW-846:8260B	GELC

Note: This table is applicable to samples reported in this PMR and collected on or after 9/29/14.

[a] CAS = Chemical Abstracts Service.

[b] PQL = Practical quantitation limit.

[c] SHEALY = Shealy Environmental Services, Inc.

[d] NM HH OO = Human health organism only, New Mexico surface-water standards.

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

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 458.1	DOE BCGs	n/a[a]	X[b]
DOE Order 458.1	DOE 100-mrem Public Dose DCS	X	n/a
DOE Order 458.1	DOE 4-mrem Drinking Water DCS	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
Base-Flow Location Type and Hardness Assignments Used to Select Screening Levels

Watershed	Location	Stream Type	Hardness (mg/L as $CaCO_3$)
Los Alamos	LA Canyon near Otowi Bridge	Ephemeral	100
White Rock	Rio Grande at Otowi Bridge	Perennial	100
White Rock	Mortandad at Rio Grande	Ephemeral	100

Table 4.2-3
San Ildefonso Pueblo General Surveillance Monitoring Group Groundwater Results above Screening Levels

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Intermediate Groundwater Springs							
Vine Tree Spring	12/17/13	Perchlorate	F*	5.66	µg/L	4	Consent Order
Vine Tree Spring	06/18/14	Perchlorate	F	5.89	µg/L	4	Consent Order
Regional Aquifer Springs							
Sacred Spring	10/30/14	Manganese	F	706	µg/L	200	NMWQCC Groundwater Standard

* 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
La Mesita Spring	—[a]	10/29/14	WG[b]	Dissolved Oxygen	8.34	mg/L	CAWR-14-89228
La Mesita Spring	—	10/06/14	WG	Dissolved Oxygen	8.13	mg/L	CAWR-14-86935
La Mesita Spring	—	12/17/13	WG	Dissolved Oxygen	8.16	mg/L	CAWR-13-42145
La Mesita Spring	—	10/02/12	WG	Dissolved Oxygen	8.11	mg/L	CAWR-12-23429
La Mesita Spring	—	10/12/11	WG	Dissolved Oxygen	8.29	mg/L	CAWR-11-27992
La Mesita Spring	—	10/07/10	WG	Dissolved Oxygen	7.47	mg/L	CAWR-10-25330
La Mesita Spring	—	10/29/14	WG	Flow (in gpm[c])	0.17	gpm	CAWR-14-89228
La Mesita Spring	—	10/06/14	WG	Flow (in gpm)	0.4	gpm	CAWR-14-86935
La Mesita Spring	—	10/07/10	WG	Flow (in gpm)	0.18	gpm	CAWR-10-25330
La Mesita Spring	—	09/22/09	WG	Flow (in gpm)	0.2	gpm	CAWR-09-12480
La Mesita Spring	—	10/29/14	WG	pH	7.69	SU[d]	CAWR-14-89228
La Mesita Spring	—	10/06/14	WG	pH	7.89	SU	CAWR-14-86935
La Mesita Spring	—	12/17/13	WG	pH	7.96	SU	CAWR-13-42145
La Mesita Spring	—	10/02/12	WG	pH	7.81	SU	CAWR-12-23429
La Mesita Spring	—	10/12/11	WG	pH	8.09	SU	CAWR-11-27992
La Mesita Spring	—	10/07/10	WG	pH	7.55	SU	CAWR-10-25330
La Mesita Spring	—	10/29/14	WG	Specific Conductance	318	µS/cm	CAWR-14-89228
La Mesita Spring	—	10/06/14	WG	Specific Conductance	316	µS/cm	CAWR-14-86935
La Mesita Spring	—	12/17/13	WG	Specific Conductance	319	µS/cm	CAWR-13-42145
La Mesita Spring	—	10/02/12	WG	Specific Conductance	309	µS/cm	CAWR-12-23429
La Mesita Spring	—	10/12/11	WG	Specific Conductance	311	µS/cm	CAWR-11-27992
La Mesita Spring	—	10/07/10	WG	Specific Conductance	314	µS/cm	CAWR-10-25330
La Mesita Spring	—	10/29/14	WG	Temperature	14.99	deg C	CAWR-14-89228
La Mesita Spring	—	10/06/14	WG	Temperature	14.8	deg C	CAWR-14-86935
La Mesita Spring	—	12/17/13	WG	Temperature	14.28	deg C	CAWR-13-42145
La Mesita Spring	—	10/02/12	WG	Temperature	14.66	deg C	CAWR-12-23429
La Mesita Spring	—	10/12/11	WG	Temperature	14.33	deg C	CAWR-11-27992
La Mesita Spring	—	10/07/10	WG	Temperature	14c.56	deg C	CAWR-10-25330

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
La Mesita Spring	—	10/29/14	WG	Turbidity	7.2	NTU[e]	CAWR-14-89228
La Mesita Spring	—	10/06/14	WG	Turbidity	5.1	NTU	CAWR-14-86935
La Mesita Spring	—	12/17/13	WG	Turbidity	2.8	NTU	CAWR-13-42145
La Mesita Spring	—	10/02/12	WG	Turbidity	16.2	NTU	CAWR-12-23429
La Mesita Spring	—	10/12/11	WG	Turbidity	5.46	NTU	CAWR-11-27992
La Mesita Spring	—	10/07/10	WG	Turbidity	66.8	NTU	CAWR-10-25330
Rio Grande at Otowi Bridge	—	10/30/14	WS[f]	Dissolved Oxygen	9.22	mg/L	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/14	WS	Dissolved Oxygen	8.75	mg/L	CAWR-14-86939
Rio Grande at Otowi Bridge	—	12/11/13	WS	Dissolved Oxygen	12.01	mg/L	CAWR-13-42146
Rio Grande at Otowi Bridge	—	10/02/12	WS	Dissolved Oxygen	9.25	mg/L	CAWR-12-23433
Rio Grande at Otowi Bridge	—	10/07/10	WS	Dissolved Oxygen	8.74	mg/L	CAWR-10-25403
Rio Grande at Otowi Bridge	—	07/13/10	WS	Dissolved Oxygen	7.61	mg/L	CAWR-10-24226
Rio Grande at Otowi Bridge	—	10/30/14	WS	Flow (in gpm)	268850	gpm	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/14	WS	Flow (in gpm)	291740	gpm	CAWR-14-86939
Rio Grande at Otowi Bridge	—	01/26/10	WS	Flow (in gpm)	3123.65	gpm	CAWR-10-11786
Rio Grande at Otowi Bridge	—	09/22/09	WS	Flow (in gpm)	210950	gpm	CAWR-09-12946
Rio Grande at Otowi Bridge	—	10/30/14	WS	pH	8.18	SU	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/14	WS	pH	8.27	SU	CAWR-14-86939
Rio Grande at Otowi Bridge	—	12/11/13	WS	pH	8.18	SU	CAWR-13-42146
Rio Grande at Otowi Bridge	—	10/02/12	WS	pH	8.48	SU	CAWR-12-23433
Rio Grande at Otowi Bridge	—	10/07/10	WS	pH	8	SU	CAWR-10-25403
Rio Grande at Otowi Bridge	—	07/13/10	WS	pH	7.65	SU	CAWR-10-24226
Rio Grande at Otowi Bridge	—	10/30/14	WS	Specific Conductance	286	µS/cm	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/14	WS	Specific Conductance	325	µS/cm	CAWR-14-86939
Rio Grande at Otowi Bridge	—	12/11/13	WS	Specific Conductance	331	µS/cm	CAWR-13-42146
Rio Grande at Otowi Bridge	—	10/02/12	WS	Specific Conductance	217	µS/cm	CAWR-12-23433
Rio Grande at Otowi Bridge	—	10/07/10	WS	Specific Conductance	335	µS/cm	CAWR-10-25403
Rio Grande at Otowi Bridge	—	07/13/10	WS	Specific Conductance	298	µS/cm	CAWR-10-24226

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Rio Grande at Otowi Bridge	—	10/30/14	WS	Temperature	13.43	deg C	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/14	WS	Temperature	13.8	deg C	CAWR-14-86939
Rio Grande at Otowi Bridge	—	12/11/13	WS	Temperature	0.34	deg C	CAWR-13-42146
Rio Grande at Otowi Bridge	—	10/02/12	WS	Temperature	16.29	deg C	CAWR-12-23433
Rio Grande at Otowi Bridge	—	10/07/10	WS	Temperature	16.45	deg C	CAWR-10-25403
Rio Grande at Otowi Bridge	—	07/13/10	WS	Temperature	19.26	deg C	CAWR-10-24226
Rio Grande at Otowi Bridge	—	10/30/14	WS	Turbidity	32.4	NTU	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/14	WS	Turbidity	79.8	NTU	CAWR-14-86939
Rio Grande at Otowi Bridge	—	12/11/13	WS	Turbidity	43.1	NTU	CAWR-13-42146
Rio Grande at Otowi Bridge	—	10/02/12	WS	Turbidity	39	NTU	CAWR-12-23433
Rio Grande at Otowi Bridge	—	10/07/10	WS	Turbidity	24.8	NTU	CAWR-10-25403
Rio Grande at Otowi Bridge	—	07/13/10	WS	Turbidity	45.7	NTU	CAWR-10-24226
Sacred Spring	—	10/30/14	WG	Dissolved Oxygen	3.7	mg/L	CAWR-14-89229
Sacred Spring	—	12/12/13	WG	Dissolved Oxygen	2.18	mg/L	CAWR-13-42147
Sacred Spring	—	10/03/12	WG	Dissolved Oxygen	5.65	mg/L	CAWR-12-23434
Sacred Spring	—	10/14/11	WG	Dissolved Oxygen	4.06	mg/L	CAWR-11-27994
Sacred Spring	—	10/06/10	WG	Dissolved Oxygen	1.04	mg/L	CAWR-10-25332
Sacred Spring	—	10/30/14	WG	Flow (in gpm)	4.49	gpm	CAWR-14-89229
Sacred Spring	—	10/06/10	WG	Flow (in gpm)	0.24	gpm	CAWR-10-25332
Sacred Spring	—	09/22/09	WG	Flow (in gpm)	0.38	gpm	CAWR-09-12471
Sacred Spring	—	09/26/08	WG	Flow (in gpm)	0.25	gpm	CAWR-08-15456
Sacred Spring	—	10/30/14	WG	pH	7.33	SU	CAWR-14-89229
Sacred Spring	—	12/12/13	WG	pH	6.85	SU	CAWR-13-42147
Sacred Spring	—	10/03/12	WG	pH	7.22	SU	CAWR-12-23434
Sacred Spring	—	10/14/11	WG	pH	7.64	SU	CAWR-11-27994
Sacred Spring	—	10/06/10	WG	pH	6.6	SU	CAWR-10-25332
Sacred Spring	—	10/30/14	WG	Specific Conductance	365	µS/cm	CAWR-14-89229
Sacred Spring	—	12/12/13	WG	Specific Conductance	527	µS/cm	CAWR-13-42147

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Sacred Spring	—	10/03/12	WG	Specific Conductance	275	µS/cm	CAWR-12-23434
Sacred Spring	—	10/14/11	WG	Specific Conductance	295	µS/cm	CAWR-11-27994
Sacred Spring	—	10/06/10	WG	Specific Conductance	266	µS/cm	CAWR-10-25332
Sacred Spring	—	10/30/14	WG	Temperature	12.94	deg C	CAWR-14-89229
Sacred Spring	—	12/12/13	WG	Temperature	6.15	deg C	CAWR-13-42147
Sacred Spring	—	10/03/12	WG	Temperature	15.89	deg C	CAWR-12-23434
Sacred Spring	—	10/14/11	WG	Temperature	15.34	deg C	CAWR-11-27994
Sacred Spring	—	10/06/10	WG	Temperature	14.67	deg C	CAWR-10-25332
Sacred Spring	—	10/30/14	WG	Turbidity	10.9	NTU	CAWR-14-89229
Sacred Spring	—	12/12/13	WG	Turbidity	2.2	NTU	CAWR-13-42147
Sacred Spring	—	10/03/12	WG	Turbidity	0.78	NTU	CAWR-12-23434
Sacred Spring	—	10/14/11	WG	Turbidity	8.44	NTU	CAWR-11-27994
Sacred Spring	—	10/06/10	WG	Turbidity	6.72	NTU	CAWR-10-25332
Spring 1	—	09/29/14	WG	Dissolved Oxygen	6.18	mg/L	CAWR-14-86942
Spring 1	—	12/11/13	WG	Dissolved Oxygen	5.73	mg/L	CAWR-13-42149
Spring 1	—	09/24/12	WG	Dissolved Oxygen	6.5	mg/L	CAWR-12-23436
Spring 1	—	10/11/11	WG	Dissolved Oxygen	6.42	mg/L	CAWR-11-27999
Spring 1	—	09/27/10	WG	Dissolved Oxygen	6.46	mg/L	CAWR-10-25418
Spring 1	—	09/29/14	WG	Flow (in gpm)	3.14	gpm	CAWR-14-86942
Spring 1	—	10/11/11	WG	Flow (in gpm)	0.31	gpm	CAWR-11-27999
Spring 1	—	09/27/10	WG	Flow (in gpm)	1.55	gpm	CAWR-10-25418
Spring 1	—	09/28/09	WG	Flow (in gpm)	0.54	gpm	CAWR-09-12484
Spring 1	—	09/29/08	WG	Flow (in gpm)	1	gpm	CAWR-08-15472
Spring 1	—	09/29/14	WG	Oxidation-Reduction Potential	183.3	mV	CAWR-14-86942
Spring 1	—	09/26/05	WG	Oxidation-Reduction Potential	-999	mV	FU05090G1SW01
Spring 1	—	09/29/14	WG	pH	7.78	SU	CAWR-14-86942
Spring 1	—	12/11/13	WG	pH	7.9	SU	CAWR-13-42149
Spring 1	—	09/24/12	WG	pH	7.78	SU	CAWR-12-23436

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 1	—	10/11/11	WG	pH	8.01	SU	CAWR-11-27999
Spring 1	—	09/27/10	WG	pH	7.64	SU	CAWR-10-25418
Spring 1	—	09/29/14	WG	Specific Conductance	216	µS/cm	CAWR-14-86942
Spring 1	—	12/11/13	WG	Specific Conductance	214	µS/cm	CAWR-13-42149
Spring 1	—	09/24/12	WG	Specific Conductance	214	µS/cm	CAWR-12-23436
Spring 1	—	10/11/11	WG	Specific Conductance	215	µS/cm	CAWR-11-27999
Spring 1	—	09/27/10	WG	Specific Conductance	217	µS/cm	CAWR-10-25418
Spring 1	—	09/29/14	WG	Temperature	18.94	deg C	CAWR-14-86942
Spring 1	—	12/11/13	WG	Temperature	15.45	deg C	CAWR-13-42149
Spring 1	—	09/24/12	WG	Temperature	18.87	deg C	CAWR-12-23436
Spring 1	—	10/11/11	WG	Temperature	17.88	deg C	CAWR-11-27999
Spring 1	—	09/27/10	WG	Temperature	18.09	deg C	CAWR-10-25418
Spring 1	—	09/29/14	WG	Turbidity	3.5	NTU	CAWR-14-86942
Spring 1	—	12/11/13	WG	Turbidity	4.8	NTU	CAWR-13-42149
Spring 1	—	09/24/12	WG	Turbidity	1.95	NTU	CAWR-12-23436
Spring 1	—	10/11/11	WG	Turbidity	3.25	NTU	CAWR-11-27999
Spring 1	—	09/27/10	WG	Turbidity	6.16	NTU	CAWR-10-25418
Spring 2	—	10/29/14	WG	Dissolved Oxygen	8.35	mg/L	CAWR-14-89231
Spring 2	—	09/29/14	WG	Dissolved Oxygen	6.32	mg/L	CAWR-14-87098
Spring 2	—	09/24/12	WG	Dissolved Oxygen	7.09	mg/L	CAWR-12-23437
Spring 2	—	10/11/11	WG	Dissolved Oxygen	8.08	mg/L	CAWR-11-28002
Spring 2	—	09/27/10	WG	Dissolved Oxygen	7.59	mg/L	CAWR-10-25422
Spring 2	—	09/28/09	WG	Dissolved Oxygen	7.4	mg/L	CAWR-09-12490
Spring 2	—	10/29/14	WG	Flow (in gpm)	0.4	gpm	CAWR-14-89231
Spring 2	—	09/29/14	WG	Flow (in gpm)	0.17	gpm	CAWR-14-87098
Spring 2	—	10/11/11	WG	Flow (in gpm)	0.16	gpm	CAWR-11-28002
Spring 2	—	09/27/10	WG	Flow (in gpm)	0.4	gpm	CAWR-10-25422
Spring 2	—	09/28/09	WG	Flow (in gpm)	0.21	gpm	CAWR-09-12490

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 2	—	09/29/08	WG	Flow (in gpm)	0.1	gpm	CAWR-08-15475
Spring 2	—	10/29/14	WG	pH	7.53	SU	CAWR-14-89231
Spring 2	—	09/29/14	WG	pH	7.96	SU	CAWR-14-87098
Spring 2	—	09/24/12	WG	pH	7.93	SU	CAWR-12-23437
Spring 2	—	10/11/11	WG	pH	8.3	SU	CAWR-11-28002
Spring 2	—	09/27/10	WG	pH	7.52	SU	CAWR-10-25422
Spring 2	—	09/28/09	WG	pH	7.06	SU	CAWR-09-12490
Spring 2	—	10/29/14	WG	Specific Conductance	238	µS/cm	CAWR-14-89231
Spring 2	—	09/29/14	WG	Specific Conductance	192	µS/cm	CAWR-14-87098
Spring 2	—	09/24/12	WG	Specific Conductance	247	µS/cm	CAWR-12-23437
Spring 2	—	10/11/11	WG	Specific Conductance	260	µS/cm	CAWR-11-28002
Spring 2	—	09/27/10	WG	Specific Conductance	261	µS/cm	CAWR-10-25422
Spring 2	—	09/28/09	WG	Specific Conductance	226	µS/cm	CAWR-09-12490
Spring 2	—	10/29/14	WG	Temperature	12.65	deg C	CAWR-14-89231
Spring 2	—	09/29/14	WG	Temperature	17.76	deg C	CAWR-14-87098
Spring 2	—	09/24/12	WG	Temperature	17.73	deg C	CAWR-12-23437
Spring 2	—	10/11/11	WG	Temperature	14.6	deg C	CAWR-11-28002
Spring 2	—	09/27/10	WG	Temperature	16.81	deg C	CAWR-10-25422
Spring 2	—	09/28/09	WG	Temperature	13.6	deg C	CAWR-09-12490
Spring 2	—	10/29/14	WG	Turbidity	27.7	NTU	CAWR-14-89231
Spring 2	—	09/29/14	WG	Turbidity	13.4	NTU	CAWR-14-87098
Spring 2	—	09/24/12	WG	Turbidity	1.57	NTU	CAWR-12-23437
Spring 2	—	10/11/11	WG	Turbidity	1.81	NTU	CAWR-11-28002
Spring 2	—	09/27/10	WG	Turbidity	2.06	NTU	CAWR-10-25422
Spring 2	—	09/28/09	WG	Turbidity	13.1	NTU	CAWR-09-12490
LLAO-4	5.24	06/17/14	WG	Dissolved Oxygen	1.34	mg/L	CALA-14-79458
LLAO-4	5.24	06/12/13	WG	Dissolved Oxygen	3.78	mg/L	CALA-13-33423
LLAO-4	5.24	04/09/12	WG	Dissolved Oxygen	3.91	mg/L	CALA-12-12549

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LLAO-4	5.24	08/11/11	WG	Dissolved Oxygen	4.7	mg/L	CALA-11-25901
LLAO-4	5.24	06/21/11	WG	Dissolved Oxygen	4.2	mg/L	CALA-11-14674
LLAO-4	5.24	06/17/14	WG	Flow (in gpm)	0.24	gpm	CALA-14-79458
LLAO-4	5.24	08/11/11	WG	Flow (in gpm)	0.24	gpm	CALA-11-25901
LLAO-4	5.24	06/21/11	WG	Flow (in gpm)	0.22	gpm	CALA-11-14674
LLAO-4	5.24	08/26/10	WG	Flow (in gpm)	0.24	gpm	CALA-10-25247
LLAO-4	5.24	07/08/09	WG	Flow (in gpm)	0.26	gpm	CALA-09-11202
LLAO-4	5.24	06/17/14	WG	Oxidation-Reduction Potential	70	mV	CALA-14-79458
LLAO-4	5.24	06/12/13	WG	Oxidation-Reduction Potential	151.9	mV	CALA-13-33423
LLAO-4	5.24	04/09/12	WG	Oxidation-Reduction Potential	12.2	mV	CALA-12-12549
LLAO-4	5.24	08/11/11	WG	Oxidation-Reduction Potential	212.6	mV	CALA-11-25901
LLAO-4	5.24	06/21/11	WG	Oxidation-Reduction Potential	217.6	mV	CALA-11-14674
LLAO-4	5.24	06/17/14	WG	pH	6.67	SU	CALA-14-79458
LLAO-4	5.24	06/12/13	WG	pH	6.93	SU	CALA-13-33423
LLAO-4	5.24	04/09/12	WG	pH	6.93	SU	CALA-12-12549
LLAO-4	5.24	08/11/11	WG	pH	6.87	SU	CALA-11-25901
LLAO-4	5.24	06/21/11	WG	pH	6.89	SU	CALA-11-14674
LLAO-4	5.24	06/17/14	WG	Specific Conductance	572	µS/cm	CALA-14-79458
LLAO-4	5.24	06/12/13	WG	Specific Conductance	399	µS/cm	CALA-13-33423
LLAO-4	5.24	04/09/12	WG	Specific Conductance	464	µS/cm	CALA-12-12549
LLAO-4	5.24	08/11/11	WG	Specific Conductance	466	µS/cm	CALA-11-25901
LLAO-4	5.24	06/21/11	WG	Specific Conductance	468	µS/cm	CALA-11-14674
LLAO-4	5.24	06/17/14	WG	Temperature	13.76	deg C	CALA-14-79458
LLAO-4	5.24	06/12/13	WG	Temperature	14.03	deg C	CALA-13-33423
LLAO-4	5.24	04/09/12	WG	Temperature	11.87	deg C	CALA-12-12549
LLAO-4	5.24	08/11/11	WG	Temperature	15.92	deg C	CALA-11-25901
LLAO-4	5.24	06/21/11	WG	Temperature	14	deg C	CALA-11-14674
LLAO-4	5.24	06/17/14	WG	Turbidity	0.3	NTU	CALA-14-79458

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LLAO-4	5.24	06/12/13	WG	Turbidity	0.7	NTU	CALA-13-33423
LLAO-4	5.24	04/09/12	WG	Turbidity	0.24	NTU	CALA-12-12549
LLAO-4	5.24	08/11/11	WG	Turbidity	0.21	NTU	CALA-11-25901
LLAO-4	5.24	06/21/11	WG	Turbidity	0.17	NTU	CALA-11-14674
Vine Tree Spring	—	06/18/14	WG	Dissolved Oxygen	7.55	mg/L	CALA-14-79460
Vine Tree Spring	—	12/17/13	WG	Dissolved Oxygen	7.97	mg/L	CALA-14-46053
Vine Tree Spring	—	06/11/13	WG	Dissolved Oxygen	6.99	mg/L	CALA-13-33427
Vine Tree Spring	—	12/12/12	WG	Dissolved Oxygen	7.54	mg/L	CALA-13-24549
Vine Tree Spring	—	04/10/12	WG	Dissolved Oxygen	6.75	mg/L	CALA-12-12546
Vine Tree Spring	—	06/18/14	WG	Flow (in gpm)	7.6	gpm	CALA-14-79460
Vine Tree Spring	—	12/12/11	WG	Flow (in gpm)	20	gpm	CAWR-12-1756
Vine Tree Spring	—	08/08/11	WG	Flow (in gpm)	20	gpm	CAWR-11-23212
Vine Tree Spring	—	06/18/14	WG	pH	7.96	SU	CALA-14-79460
Vine Tree Spring	—	12/17/13	WG	pH	7.04	SU	CALA-14-46053
Vine Tree Spring	—	06/11/13	WG	pH	7.71	SU	CALA-13-33427
Vine Tree Spring	—	12/12/12	WG	pH	7.16	SU	CALA-13-24549
Vine Tree Spring	—	04/10/12	WG	pH	7.16	SU	CALA-12-12546
Vine Tree Spring	—	06/18/14	WG	Specific Conductance	295	µS/cm	CALA-14-79460
Vine Tree Spring	—	12/17/13	WG	Specific Conductance	296	µS/cm	CALA-14-46053
Vine Tree Spring	—	06/11/13	WG	Specific Conductance	311	µS/cm	CALA-13-33427
Vine Tree Spring	—	12/12/12	WG	Specific Conductance	300	µS/cm	CALA-13-24549
Vine Tree Spring	—	04/10/12	WG	Specific Conductance	312	µS/cm	CALA-12-12546
Vine Tree Spring	—	06/18/14	WG	Temperature	14.26	deg C	CALA-14-79460
Vine Tree Spring	—	12/17/13	WG	Temperature	11.83	deg C	CALA-14-46053
Vine Tree Spring	—	06/11/13	WG	Temperature	14.2	deg C	CALA-13-33427
Vine Tree Spring	—	12/12/12	WG	Temperature	11.29	deg C	CALA-13-24549
Vine Tree Spring	—	04/10/12	WG	Temperature	14.1	deg C	CALA-12-12546
Vine Tree Spring	—	06/18/14	WG	Turbidity	2.6	NTU	CALA-14-79460

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Vine Tree Spring	—	12/17/13	WG	Turbidity	2.2	NTU	CALA-14-46053
Vine Tree Spring	—	06/11/13	WG	Turbidity	0.7	NTU	CALA-13-33427
Vine Tree Spring	—	12/12/12	WG	Turbidity	0.59	NTU	CALA-13-24549
Vine Tree Spring	—	04/10/12	WG	Turbidity	1.03	NTU	CALA-12-12546

[a] — = Not applicable.

[b] WG = Groundwater.

[c] gpm = Gallons per minute.

[d] SU = Standard unit.

[e] NTU = Nephelometric turbidity unit.

[f] WS = Base flow.

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

Note: A combination of analytical laboratory qualifier codes means that several codes apply.

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.
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or data exception report.
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 San Ildefonso Pueblo 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	883.700	05/09/14	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	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.45	—	—	0.01	SU	Y	H	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.6	—	—	0.725	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.8	—	—	0.725	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.1	—	—	0.725	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.2	—	—	0.725	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69	—	—	0.725	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.3	—	—	0.725	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69	—	—	0.725	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0358	—	—	0.017	mg/L	Y	J	J	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0185	—	—	0.017	mg/L	Y	J	J	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0423	—	—	0.017	mg/L	Y	J	U	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0718	—	—	0.017	mg/L	Y	—	U	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0477	—	—	0.017	mg/L	Y	J	U	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.106	—	—	0.017	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	6.74	—	—	1.7	µg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.13	—	—	1.7	µg/L	Y	J	U	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-855	CAMO-13-30618	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.4	—	—	1	µg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.4	—	—	1	µg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.2	—	—	1	µg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.8	—	—	1	µg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.9	—	—	1	µg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.8	—	—	1	µg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16.4	—	—	15	µg/L	Y	J	J	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.8	—	—	15	µg/L	Y	J	J	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16	—	—	15	µg/L	Y	J	J	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.8	—	—	15	µg/L	Y	J	J	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17	—	—	15	µg/L	Y	J	J	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16.1	—	—	15	µg/L	Y	J	J	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16	—	—	0.05	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.9	—	—	0.05	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.9	—	—	0.05	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.9	—	—	0.05	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.72	—	—	0.067	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC

Table C-1 San Ildefonso Pueblo 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	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.42	—	—	0.067	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.45	—	—	0.067	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.36	—	—	0.067	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.4	—	—	0.067	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.26	—	—	0.067	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.36	—	—	0.067	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.67	—	—	2	µg/L	Y	J	J	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.14	—	—	2	µg/L	Y	J	J	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.33	—	—	2	µg/L	Y	J	J	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.34	—	—	2	µg/L	Y	J	J	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.75	—	—	2	µg/L	Y	J	J	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.61	—	—	2	µg/L	Y	J	J	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.06	—	—	2	µg/L	Y	J	J	2013-323	CAMO-13-24281	GELC
R-34	883.700	12/19/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.0168	—	—	0.00167	mg/L	Y	—	J-	2014-2723	CAMO-14-45690	GELC
R-34	883.700	11/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.0015	mg/L	Y	U	U	12-323	CAMO-12-1532	GELC
R-34	883.700	08/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.0015	mg/L	Y	U	U	11-3174	CAMO-11-24650	GELC
R-34	883.700	05/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.0015	mg/L	Y	U	U	11-2548	CAMO-11-10771	GELC
R-34	883.700	02/17/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.0017	mg/L	Y	U	U	11-1391	CAMO-11-4670	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.329	—	—	0.033	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.297	—	—	0.033	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.305	—	—	0.033	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.309	—	—	0.033	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.319	—	—	0.033	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.342	—	—	0.033	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.34	—	—	0.033	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.2	—	—	0.453	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.2	—	—	0.453	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.3	—	—	0.453	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.1	—	—	0.453	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.7	—	—	0.453	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.2	—	—	0.453	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.8	—	—	0.453	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.69	—	—	0.11	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.65	—	—	0.11	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.73	—	—	0.11	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.87	—	—	0.11	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.77	—	—	0.11	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.9	—	—	0.11	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.9	—	—	0.11	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.165	µg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.01	—	—	0.165	µg/L	Y	—	U	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.165	µg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.972	—	—	0.165	µg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.18	—	—	0.165	µg/L	Y	—	U	2013-534	CAMO-13-28424	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.716	—	—	0.5	µg/L	Y	J	J	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2014-2723	CAMO-14-45694	GELC

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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	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.681	—	—	0.5	µg/L	Y	J	J	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.05	—	—	0.5	µg/L	Y	J	J	2013-534	CAMO-13-28424	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.471	—	—	0.017	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.447	—	—	0.017	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.938	—	—	0.017	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.442	—	—	0.017	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.446	—	—	0.017	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.451	—	—	0.017	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.454	—	—	0.017	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.32	—	—	0.05	µg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.32	—	—	0.05	µg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.338	—	—	0.05	µg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.35	—	—	0.05	µg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	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	883.700	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	883.700	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	883.700	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	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.58	—	—	0.05	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.77	—	—	0.05	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.82	—	—	0.05	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.78	—	—	0.05	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.08	—	—	1.5	µg/L	Y	J	J	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68	—	—	0.053	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.5	—	—	0.053	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.7	—	—	0.053	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.9	—	—	0.053	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	µS/cm	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	µS/cm	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	157	—	—	1	µS/cm	Y	—	NQ	2014-2723	CAMO-14-45694	GELC

Table C-1 San Ildefonso Pueblo 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	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	µS/cm	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	159	—	—	1	µS/cm	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	µS/cm	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	1	µS/cm	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56.8	—	—	1	µg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.4	—	—	1	µg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	55.4	—	—	1	µg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	62.2	—	—	1	µg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.9	—	—	1	µg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.3	—	—	1	µg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.2	—	—	1	µg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.73	—	—	0.133	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.85	—	—	0.133	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.4	—	—	0.133	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.67	—	—	0.133	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.72	—	—	0.133	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.88	—	—	0.133	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.86	—	—	0.133	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	90	—	—	3.4	mg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.524	—	—	0.33	mg/L	Y	J	J	2014-3375	CAMO-14-75544	GELC
R-34	883.700	01/17/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2014-2789	CAMO-14-53218	GELC
R-34	883.700	12/19/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2014-2723	CAMO-14-45690	GELC
R-34	883.700	07/17/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.491	—	—	0.33	mg/L	Y	J	J	2013-1224	CAMO-13-37039	GELC
R-34	883.700	05/15/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.582	—	—	0.33	mg/L	Y	J	J	2013-855	CAMO-13-30614	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0199	—	—	0.017	mg/L	Y	J	J	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0358	—	—	0.017	mg/L	Y	J	J	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0294	—	—	0.017	mg/L	Y	J	J	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.484	—	—	0.067	µg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.485	—	—	0.067	µg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.463	—	—	0.067	µg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.469	—	—	0.067	µg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.453	—	—	0.067	µg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.463	—	—	0.067	µg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.485	—	—	0.067	µg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	05/09/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.61	—	—	1	µg/L	Y	—	NQ	2014-3375	CAMO-14-75548	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.4	—	—	1	µg/L	Y	—	NQ	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.51	—	—	1	µg/L	Y	—	NQ	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.67	—	—	1	µg/L	Y	—	NQ	2013-1224	CAMO-13-37048	GELC

Table C-1 San Ildefonso Pueblo 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	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.24	—	—	1	µg/L	Y	—	NQ	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.53	—	—	1	µg/L	Y	—	NQ	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.28	—	—	1	µg/L	Y	—	NQ	2013-323	CAMO-13-24281	GELC
R-34	883.700	01/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.26	—	—	3.3	µg/L	Y	J	J	2014-2789	CAMO-14-53219	GELC
R-34	883.700	12/19/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.72	—	—	3.3	µg/L	Y	J	J	2014-2723	CAMO-14-45694	GELC
R-34	883.700	07/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.35	—	—	3.3	µg/L	Y	J	J	2013-1224	CAMO-13-37048	GELC
R-34	883.700	05/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.67	—	—	3.3	µg/L	Y	J	J	2013-855	CAMO-13-30618	GELC
R-34	883.700	02/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7	—	—	3.3	µg/L	Y	J	J	2013-534	CAMO-13-28424	GELC
R-34	883.700	11/14/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.95	—	—	3.3	µg/L	Y	J	J	2013-323	CAMO-13-24281	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.7	—	—	0.01	SU	Y	H	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.47	—	—	0.01	SU	Y	H	J-	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.4	—	—	0.725	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.3	—	—	0.725	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.5	—	—	0.725	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.5	—	—	0.725	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85.9	—	—	0.73	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	49.6	—	—	1	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	47.8	—	—	1	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	49.9	—	—	1	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	51.7	—	—	1	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	54.1	—	—	1	µg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.4	—	—	15	µg/L	Y	J	J	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.7	—	—	15	µg/L	Y	J	J	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	37.9	—	—	15	µg/L	Y	J	J	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	38.3	—	—	15	µg/L	Y	J	J	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	52.6	—	—	15	µg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.159	—	—	0.067	mg/L	Y	J	J	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.142	—	—	0.067	mg/L	Y	J	J	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.146	—	—	0.067	mg/L	Y	J	J	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.19	—	—	0.067	mg/L	Y	J	J	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.136	—	—	0.066	mg/L	Y	J	J	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	27.9	—	—	0.05	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	27.9	—	—	0.05	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	30.4	—	—	0.05	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	28.4	—	—	0.05	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	29.2	—	—	0.05	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.5	—	—	0.335	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16	—	—	0.335	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	18.9	—	—	0.067	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	18.5	—	—	0.067	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	19.1	—	—	0.13	mg/L	Y	—	J+	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.486	—	—	0.033	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.485	—	—	0.033	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.467	—	—	0.033	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC

Table C-1 San Ildefonso Pueblo 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
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.438	—	—	0.033	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.445	—	—	0.033	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	102	—	—	0.453	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	102	—	—	0.453	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	111	—	—	0.453	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	104	—	—	0.453	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	105	—	—	0.45	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.86	—	—	0.11	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.76	—	—	0.11	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.47	—	—	0.11	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.95	—	—	0.11	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.86	—	—	0.11	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.22	—	—	0.165	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.3	—	—	0.165	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.47	—	—	0.165	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.34	—	—	0.165	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.08	—	—	0.17	µg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.804	—	—	0.5	µg/L	Y	J	J	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.31	—	—	0.5	µg/L	Y	J	J	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.64	—	—	0.5	µg/L	Y	J	J	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.17	—	—	0.5	µg/L	Y	J	J	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.51	—	—	0.5	µg/L	Y	J	J	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.66	—	—	0.5	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.48	—	—	0.5	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.38	—	—	0.5	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.25	—	—	0.5	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.86	—	—	0.5	µg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.27	—	—	0.05	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.66	—	—	0.05	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.23	—	—	0.05	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.43	—	—	0.05	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.76	—	—	0.05	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.97	—	—	1.5	µg/L	Y	J	J	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.68	—	—	1.5	µg/L	Y	J	J	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.72	—	—	1.5	µg/L	Y	J	J	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2	—	—	1.5	µg/L	Y	J	J	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.59	—	—	1.5	µg/L	Y	J	J	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	45.3	—	—	0.053	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	42.4	—	—	0.053	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.9	—	—	0.053	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.3	—	—	0.053	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.1	—	—	0.053	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.1	—	—	0.1	mg/L	Y	N	J+	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.2	—	—	0.1	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.1	—	—	0.1	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	20.7	—	—	0.1	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC

Table C-1 San Ildefonso Pueblo 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
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	309	—	—	1	µS/cm	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	309	—	—	1	µS/cm	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	311	—	—	1	µS/cm	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	303	—	—	1	µS/cm	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	322	—	—	1	µS/cm	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	139	—	—	1	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	135	—	—	1	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	147	—	—	1	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	144	—	—	1	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	146	—	—	1	µg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.7	—	—	0.665	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.3	—	—	0.665	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.4	—	—	0.133	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.2	—	—	0.133	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.6	—	—	0.1	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	—	3.4	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	194	—	—	3.4	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	—	3.4	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	210	—	—	3.4	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	207	—	—	3.4	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.112	—	—	0.033	mg/L	Y	—	NQ	2014-2698	CALA-14-46053	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	12/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2013-409	CALA-13-24549	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0412	—	—	0.035	mg/L	Y	J	J	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	12/17/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.31	—	—	0.33	mg/L	Y	—	NQ	2014-2698	CALA-14-46053	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.959	—	—	0.33	mg/L	Y	J	J	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	12/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.777	—	—	0.33	mg/L	Y	J	J	2013-409	CALA-13-24549	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.19	—	—	0.33	mg/L	Y	—	NQ	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.3	—	—	0.33	mg/L	Y	—	NQ	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.58	—	—	0.067	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.06	—	—	0.067	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.16	—	—	0.067	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.74	—	—	0.067	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.39	—	—	0.067	µg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.06	—	—	1	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.63	—	—	1	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.4	—	—	1	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.51	—	—	1	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.26	—	—	1	µg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC

Table C-2 San Ildefonso Pueblo 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
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	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-	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.15	—	—	0.01	SU	Y	H	J-	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	128	—	—	0.725	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	15.9	—	—	0.725	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	125	—	—	0.725	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	117	—	—	0.73	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	120	—	—	0.73	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00783	0.00691	0.0331	—	pCi/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00494	0.0397	—	pCi/L	Y	U	U	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00231	0.00516	0.0315	—	pCi/L	Y	U	U	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00194	0.0034	0.032	—	pCi/L	Y	U	U	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0115	0.0047	0.036	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.148	—	—	0.017	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	UJ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0259	—	—	0.017	mg/L	Y	J	J	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0194	—	—	0.016	mg/L	Y	J	J	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	111	—	—	1	µg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	52.1	—	—	15	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	52.7	—	—	15	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	55.1	—	—	15	µg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	55.5	—	—	15	µg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	53.4	—	—	15	µg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.133	—	—	0.067	mg/L	Y	J	J	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.136	—	—	0.067	mg/L	Y	J	J	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.163	—	—	0.067	mg/L	Y	J	J	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.111	—	—	0.066	mg/L	Y	J	J	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.14	—	—	0.066	mg/L	Y	J	J	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	36.3	—	—	0.05	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	37.3	—	—	0.05	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	35.8	—	—	0.05	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	34.6	—	—	0.05	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	34.4	—	—	0.05	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.32	1.66	5.72	—	pCi/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.3	1.75	6.59	—	pCi/L	Y	U	U	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.43	1.28	4.44	—	pCi/L	Y	U	U	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.509	1.7	5.8	—	pCi/L	Y	U	U	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.943	1.6	4.8	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.29	—	—	0.067	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.62	—	—	0.067	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.1	—	—	0.067	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.91	—	—	0.066	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.96	—	—	0.066	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.21	—	—	2	µg/L	Y	J	J	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.19	—	—	2	µg/L	Y	J	J	2014-2697	CAWR-13-42159	GELC

Table C-2 San Ildefonso Pueblo 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
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.01	—	—	2	µg/L	Y	J	J	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2.5	µg/L	Y	U	U	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.25	1.74	5.74	—	pCi/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.619	1.87	7.07	—	pCi/L	Y	U	U	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.32	1.27	4.12	—	pCi/L	Y	U	U	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.409	1.5	6	—	pCi/L	Y	U	U	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.19	1.4	5.2	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.189	—	—	0.033	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.231	—	—	0.033	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	N	0.241	—	—	0.033	mg/L	Y	—	U	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.241	—	—	0.033	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.238	—	—	0.033	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	10.4	1.71	2.81	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	15.9	2.18	2.98	—	pCi/L	Y	—	NQ	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	10.8	1.82	2.49	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	9.42	2	2.3	—	pCi/L	Y	—	NQ	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	9.42	2	2.5	—	pCi/L	Y	—	NQ	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.35	0.71	1.86	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.26	0.434	1.19	—	pCi/L	Y	—	NQ	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.39	0.947	2.33	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.79	0.96	2.3	—	pCi/L	Y	—	NQ	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.22	0.86	2.4	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	95	—	—	0.453	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	97.7	—	—	0.453	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	93.8	—	—	0.453	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	90.3	—	—	0.45	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.2	—	—	0.35	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.08	—	—	0.11	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.12	—	—	0.11	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.09	—	—	0.11	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.963	—	—	0.11	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.05	—	—	0.085	mg/L	Y	—	J	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.165	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.165	µg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.17	µg/L	Y	—	J	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.1	µg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.82	3.28	11.8	—	pCi/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.808	3.14	11	—	pCi/L	Y	U	U	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.856	2.47	8.93	—	pCi/L	Y	U	U	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.22	2.7	9.7	—	pCi/L	Y	U	U	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.77	2.6	8.3	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.33	—	—	0.085	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.67	—	—	0.085	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.32	—	—	0.085	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.18	—	—	0.05	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.6	—	—	0.1	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.972	—	—	0.05	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.888	—	—	0.05	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.896	—	—	0.05	µg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.824	—	—	0.05	µg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC

Table C-2 San Ildefonso Pueblo 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
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.874	—	—	0.05	µg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00294	0.00657	0.0437	—	pCi/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00807	0.0284	—	pCi/L	Y	U	U	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00441	0.0355	—	pCi/L	Y	U	U	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0017	0.032	—	pCi/L	Y	U	U	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00416	0.0036	0.024	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00294	0.00657	0.0386	—	pCi/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0132	0.018	0.0682	—	pCi/L	Y	U	U	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00624	0.00764	0.0422	—	pCi/L	Y	U	U	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00928	0.005	0.031	—	pCi/L	Y	U	U	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00623	0.0046	0.041	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.63	—	—	0.05	mg/L	Y	E	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.85	—	—	0.05	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.84	—	—	0.05	mg/L	Y	E	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.69	—	—	0.05	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.45	—	—	0.05	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.8	21.4	32.1	—	pCi/L	Y	UI	R	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.92	20.9	83.3	—	pCi/L	Y	U	U	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.5	16.5	55.5	—	pCi/L	Y	U	U	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.74	18	71	—	pCi/L	Y	U	U	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.6	16	52	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	29.1	—	—	0.053	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	30	—	—	0.053	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	29.8	—	—	0.053	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	28.7	—	—	0.053	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	29.7	—	—	0.053	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	29.4	—	—	0.1	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	29.4	—	—	0.1	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	28	—	—	0.1	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	28	—	—	0.1	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	26.5	—	—	0.1	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.63	1.72	5.92	—	pCi/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.49	1.5	6.18	—	pCi/L	Y	U	U	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.559	1.03	3.89	—	pCi/L	Y	U	U	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0124	1.4	5.5	—	pCi/L	Y	U	U	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.537	1.3	4.5	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	300	—	—	3.63	µS/cm	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	320	—	—	1	µS/cm	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	319	—	—	1	µS/cm	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	312	—	—	1	µS/cm	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	313	—	—	1	µS/cm	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	823	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	852	—	—	1	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	831	—	—	1	µg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	796	—	—	1	µg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	783	—	—	1	µg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.205	0.129	0.487	—	pCi/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0549	0.127	0.482	—	pCi/L	Y	U	U	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0496	0.141	0.487	—	pCi/L	Y	U	U	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.212	0.12	0.49	—	pCi/L	Y	U	U	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.118	0.13	0.46	—	pCi/L	Y	U	U	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.2	—	—	0.133	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC

Table C-2 San Ildefonso Pueblo 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
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15	—	—	0.133	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.1	—	—	0.133	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.5	—	—	0.1	mg/L	Y	—	J+	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	214	—	—	3.4	mg/L	Y	—	J	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	—	3.4	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	191	—	—	3.4	mg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	195	—	—	2.4	mg/L	Y	—	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.266	—	—	0.033	mg/L	Y	—	J+	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0368	—	—	0.033	mg/L	Y	J	J	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.114	—	—	0.035	mg/L	Y	—	NQ	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.122	—	—	0.035	mg/L	Y	—	U	12-82	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.097	—	—	0.033	mg/L	Y	J	J	11-91	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.57	—	—	0.33	mg/L	Y	J	J	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.727	—	—	0.33	mg/L	Y	J	J	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.13	—	—	0.33	mg/L	Y	—	NQ	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.855	—	—	0.33	mg/L	Y	J	U	12-82	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.05	—	—	0.33	mg/L	Y	—	NQ	11-91	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	-1.27	0.684	2.32	—	pCi/L	Y	U	U	2015-49	CAWR-14-86935	ARSL
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.477	0.567	1.882	—	pCi/L	Y	U	U	2014-2713	CAWR-13-42145	ARSL
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	-0.388	0.669	2.294	—	pCi/L	Y	U	U	2013-25	CAWR-12-23429	ARSL
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.07	1.13	1.95	—	pCi/L	Y	U	U	12-97	CAWR-11-27992	ARSL
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-77.4176	62.8563	212.721	—	pCi/L	Y	U	U	11-115	CAWR-10-25330	ARSL
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	10.6	—	—	0.067	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	12.1	—	—	0.067	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	10.6	—	—	0.067	µg/L	Y	E	NQ	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	11.4	—	—	0.067	µg/L	Y	—	NQ	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	12.7	—	—	0.05	µg/L	Y	E	NQ	11-91	CAWR-10-25329	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	6.84	0.131	0.0627	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	6.46	0.152	0.0441	—	pCi/L	Y	—	NQ	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	5.72	0.12	0.0441	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.67	0.39	0.079	—	pCi/L	Y	—	J+	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	5.11	0.37	0.032	—	pCi/L	Y	—	NQ	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.253	0.0282	0.0439	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.215	0.032	0.0397	—	pCi/L	Y	—	NQ	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.164	0.0246	0.032	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.27	0.046	0.058	—	pCi/L	Y	—	J+	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.401	0.042	0.025	—	pCi/L	Y	—	NQ	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	4.27	0.103	0.0334	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	12/17/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	4.19	0.123	0.0276	—	pCi/L	Y	—	NQ	2014-2697	CAWR-13-42145	GELC
La Mesita Spring	—	10/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	3.76	0.0975	0.03	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23429	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	3.13	0.27	0.093	—	pCi/L	Y	—	J+	12-84	CAWR-11-27992	GELC
La Mesita Spring	—	10/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	3.2	0.24	0.02	—	pCi/L	Y	—	NQ	11-90	CAWR-10-25330	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.33	—	—	1	µg/L	Y	J	J	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.86	—	—	1	µg/L	Y	J	J	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.18	—	—	1	µg/L	Y	J	J	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.16	—	—	1	µg/L	Y	J	J	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.65	—	—	1	µg/L	Y	J	J	11-91	CAWR-10-25329	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	2014-2663	CAWR-13-42160	GELC

Table C-2 San Ildefonso Pueblo 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
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.37	—	—	0.01	SU	Y	H	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.35	—	—	0.01	SU	Y	H	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.39	—	—	0.01	SU	Y	H	J-	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.01	—	—	0.725	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	4.13	—	—	0.725	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.08	—	—	0.73	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	0.725	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	0.725	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	111	—	—	0.725	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	110	—	—	0.725	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	136	—	—	0.725	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	110	—	—	0.73	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00497	0.00609	0.0315	—	pCi/L	Y	U	U	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00422	0.00517	0.0267	—	pCi/L	Y	U	U	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0227	0.0169	0.0608	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00245	0.00424	0.0334	—	pCi/L	Y	U	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00249	0.00659	0.034	—	pCi/L	Y	U	U	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00974	0.0043	0.042	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0102	0.0049	0.033	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0682	—	—	0.017	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0855	—	—	0.017	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.094	—	—	0.017	mg/L	Y	—	U	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0474	—	—	0.017	mg/L	Y	J	J	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0645	—	—	0.017	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.049	—	—	0.016	mg/L	Y	J	U	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	77.3	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	78.1	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	60.5	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.6	—	—	1	µg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	71	—	—	1	µg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	71.6	—	—	1	µg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	59	—	—	1	µg/L	Y	—	NQ	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	32.8	—	—	15	µg/L	Y	J	J	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	32.3	—	—	15	µg/L	Y	J	J	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	32.6	—	—	15	µg/L	Y	J	J	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	34.7	—	—	15	µg/L	Y	J	J	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	35.2	—	—	15	µg/L	Y	J	J	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	37.3	—	—	15	µg/L	Y	J	J	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.8	—	—	15	µg/L	Y	J	J	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	38.1	—	—	0.05	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	38.6	—	—	0.05	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	38.2	—	—	0.05	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	40.6	—	—	0.05	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	41.2	—	—	0.05	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	39.9	—	—	0.05	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	35.9	—	—	0.05	mg/L	Y	—	NQ	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.465	1.98	6.9	—	pCi/L	Y	U	U	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.11	1.45	5.11	—	pCi/L	Y	U	U	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.39	1.41	4.89	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42146	GELC

Table C-2 San Ildefonso Pueblo 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
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.348	1.12	4.4	—	pCi/L	Y	U	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.948	1.54	5.97	—	pCi/L	Y	U	U	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.222	1.2	4	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.05	1.3	4.2	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.77	—	—	0.067	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.78	—	—	0.067	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.09	—	—	0.067	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.48	—	—	0.067	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.53	—	—	0.067	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.91	—	—	0.066	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0605	1.74	7	—	pCi/L	Y	U	U	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.65	1.35	5.97	—	pCi/L	Y	U	U	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2	1.41	3.81	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.497	1.42	5.55	—	pCi/L	Y	U	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.886	1.4	5.89	—	pCi/L	Y	U	U	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.51	1.1	4.1	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.13	1.6	5.3	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.322	—	—	0.033	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.319	—	—	0.033	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.337	—	—	0.033	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.379	—	—	0.033	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.367	—	—	0.033	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.38	—	—	0.033	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	7.47	1.01	2.6	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	Y	5.86	1.04	2.92	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.11	0.793	2.09	—	pCi/L	Y	—	NQ	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.2	1.1	2.41	—	pCi/L	Y	—	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	Y	6.08	1.47	2.61	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.59	1	2.4	—	pCi/L	Y	—	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.75	0.76	2	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	11.4	0.712	1.74	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	10.1	0.764	2.02	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.63	0.936	2.62	—	pCi/L	Y	—	NQ	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.35	0.922	2.25	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	4.96	0.972	2.24	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.91	0.91	2.8	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.21	0.96	3	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	123	—	—	0.453	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	124	—	—	0.453	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	124	—	—	0.453	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	133	—	—	0.453	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	135	—	—	0.453	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	126	—	—	0.35	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	115	—	—	0.35	mg/L	Y	—	NQ	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.69	—	—	0.11	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.75	—	—	0.11	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.04	—	—	0.11	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.56	—	—	0.11	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.75	—	—	0.11	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.1	—	—	0.085	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.24	—	—	0.085	mg/L	Y	—	NQ	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	7.14	—	—	2	µg/L	Y	J	J	2015-40	CAWR-14-86966	GELC

Table C-2 San Ildefonso Pueblo 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
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	6.16	—	—	2	µg/L	Y	J	J	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	8.23	—	—	2	µg/L	Y	J	J	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	7.66	—	—	2	µg/L	Y	J	J	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	8.05	—	—	2	µg/L	Y	J	J	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	5.31	—	—	2	µg/L	Y	J	J	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.46	—	—	2	µg/L	Y	J	J	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	5.73	—	—	0.165	µg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	5.64	—	—	0.165	µg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	5.53	—	—	0.165	µg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.69	—	—	0.165	µg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.43	—	—	0.165	µg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	7.17	—	—	0.1	µg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.56	—	—	0.1	µg/L	Y	—	NQ	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.31	2.79	10.9	—	pCi/L	Y	U	U	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.84	3.02	9.96	—	pCi/L	Y	U	U	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.44	2.23	7.58	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.7	2.53	9.56	—	pCi/L	Y	U	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.65	2.98	10.4	—	pCi/L	Y	U	U	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.473	2.6	8.7	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	9.46	3.3	10	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	HASL-300:Np-237	Neptunium-237	Np-237	N	0.0112	0.0059	0.013	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.647	—	—	0.5	µg/L	Y	J	J	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.588	—	—	0.5	µg/L	Y	J	J	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.15	—	—	0.5	µg/L	Y	J	J	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.29	—	—	0.5	µg/L	Y	J	J	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.999	—	—	0.5	µg/L	Y	J	J	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.22	—	—	0.5	µg/L	Y	J	J	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.52	—	—	0.5	µg/L	Y	J	J	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0723	—	—	0.017	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0763	—	—	0.017	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.222	—	—	0.017	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.25	—	—	0.05	mg/L	Y	U	U	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0585	—	—	0.05	µg/L	Y	J	J	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0611	—	—	0.05	µg/L	Y	J	J	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0717	—	—	0.05	µg/L	Y	J	J	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0724	—	—	0.05	µg/L	Y	J	J	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.074	—	—	0.05	µg/L	Y	J	J	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0711	—	—	0.05	µg/L	Y	J	J	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0108	0.04	—	pCi/L	Y	U	U	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00588	0.00831	0.0437	—	pCi/L	Y	U	U	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00806	0.00988	0.0347	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00297	0.00664	0.0338	—	pCi/L	Y	U	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00277	0.00479	0.0315	—	pCi/L	Y	U	U	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00437	0.0031	0.025	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00511	0.0036	0.034	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0215	0.017	0.0353	—	pCi/L	Y	U	U	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00882	0.00882	0.0386	—	pCi/L	Y	U	U	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0121	0.0145	0.0834	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00297	0.00786	0.0401	—	pCi/L	Y	U	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0083	0.00618	0.0374	—	pCi/L	Y	U	U	2013-23	CAWR-12-23402	GELC

Table C-2 San Ildefonso Pueblo 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
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0022	0.043	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00767	0.0057	0.035	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.64	—	—	0.05	mg/L	Y	E	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.66	—	—	0.05	mg/L	Y	E	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.79	—	—	0.05	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.66	—	—	0.05	mg/L	Y	E	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.69	—	—	0.05	mg/L	Y	E	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.55	—	—	0.05	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.02	—	—	0.05	mg/L	Y	—	NQ	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-32.2	21.3	74.2	—	pCi/L	Y	U	U	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	48	16.4	77.3	—	pCi/L	Y	U	U	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.8	21.3	40.6	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-19.5	15.8	57.8	—	pCi/L	Y	U	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-12.2	17	62.3	—	pCi/L	Y	U	U	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.95	16	52	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.6	19	74	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	20.5	—	—	0.053	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	20.6	—	—	0.053	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	22.8	—	—	0.053	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	19.5	—	—	0.053	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	19.7	—	—	0.053	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	19.2	—	—	0.053	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.7	—	—	0.1	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	19.2	—	—	0.1	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	19.2	—	—	0.1	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.1	—	—	0.1	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.2	—	—	0.1	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.1	—	—	0.1	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.67	1.82	6.59	—	pCi/L	Y	U	U	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.704	1.58	5.88	—	pCi/L	Y	U	U	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.76	1.28	4.33	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.79	1.36	3.95	—	pCi/L	Y	U	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.358	1.38	5.43	—	pCi/L	Y	U	U	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.156	1.3	4.2	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.4	1.6	4.4	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	305	—	—	3.63	µS/cm	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	305	—	—	3.63	µS/cm	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	333	—	—	1	µS/cm	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1.25	—	—	1	µS/cm	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	337	—	—	1	µS/cm	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	333	—	—	1	µS/cm	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	306	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	312	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	302	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	319	—	—	1	µg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	322	—	—	1	µg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	306	—	—	1	µg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	263	—	—	1	µg/L	Y	—	NQ	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.289	0.126	0.486	—	pCi/L	Y	U	U	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0751	0.138	0.479	—	pCi/L	Y	U	U	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0615	0.079	0.274	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42146	GELC

Table C-2 San Ildefonso Pueblo 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
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0644	0.141	0.489	—	pCi/L	Y	U	U	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0373	0.133	0.475	—	pCi/L	Y	U	U	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.345	0.16	0.5	—	pCi/L	Y	U	U	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.33	0.16	0.5	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	46	—	—	0.665	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	46	—	—	0.665	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	45.2	—	—	0.665	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.4	—	—	0.665	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	47.9	—	—	0.665	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	41.1	—	—	0.5	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	—	—	3.4	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	3.4	mg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	—	—	3.4	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	3.4	mg/L	Y	—	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	208	—	—	2.4	mg/L	Y	—	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.56	—	—	0.033	mg/L	Y	—	NQ	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.646	—	—	0.033	mg/L	Y	—	NQ	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.436	—	—	0.033	mg/L	Y	—	NQ	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.115	—	—	0.035	mg/L	Y	—	NQ	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.114	—	—	0.035	mg/L	Y	—	NQ	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.311	—	—	0.033	mg/L	Y	—	NQ	11-91	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	10-3671	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.69	—	—	0.33	mg/L	Y	—	NQ	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.72	—	—	0.33	mg/L	Y	—	NQ	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.42	—	—	0.33	mg/L	Y	—	NQ	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.51	—	—	0.33	mg/L	Y	—	NQ	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.5	—	—	0.33	mg/L	Y	—	NQ	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.23	—	—	0.33	mg/L	Y	—	NQ	11-91	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.88	—	—	0.33	mg/L	Y	—	NQ	10-3671	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	µg/L	Y	—	NQ	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.82	—	—	0.067	µg/L	Y	—	NQ	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.97	—	—	0.067	µg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.88	—	—	0.067	µg/L	Y	E	NQ	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.75	—	—	0.067	µg/L	Y	E	NQ	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	3.13	—	—	0.05	µg/L	Y	E	NQ	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.4	—	—	0.05	µg/L	Y	—	NQ	10-3672	CAWR-10-24227	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.24	0.0754	0.113	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.27	0.0567	0.0623	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.64	0.0739	0.0408	—	pCi/L	Y	—	J	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.938	0.0435	0.0333	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.96	0.0435	0.0327	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.24	0.099	0.032	—	pCi/L	Y	—	NQ	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.688	0.065	0.066	—	pCi/L	Y	—	NQ	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0945	0.0255	0.0792	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86939	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.055	0.0137	0.0436	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0732	0.0199	0.0368	—	pCi/L	Y	—	J	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0515	0.0124	0.0242	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0299	0.01	0.0238	—	pCi/L	Y	—	U	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0985	0.017	0.025	—	pCi/L	Y	—	NQ	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0319	0.011	0.04	—	pCi/L	Y	U	U	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.809	0.0607	0.0603	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86939	GELC

Table C-2 San Ildefonso Pueblo 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
Rio Grande at Otowi Bridge	—	10/06/14	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.732	0.0429	0.0332	—	pCi/L	Y	—	NQ	2015-40	CAWR-14-86880	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.01	0.0581	0.0256	—	pCi/L	Y	—	J	2014-2663	CAWR-13-42146	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.587	0.0334	0.0226	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23433	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.657	0.0352	0.0223	—	pCi/L	Y	—	NQ	2013-23	CAWR-12-23402	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.814	0.069	0.019	—	pCi/L	Y	—	NQ	11-90	CAWR-10-25403	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.441	0.046	0.046	—	pCi/L	Y	—	NQ	10-3673	CAWR-10-24226	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.53	—	—	1	µg/L	Y	J	J	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.38	—	—	1	µg/L	Y	J	J	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.06	—	—	1	µg/L	Y	J	J	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.97	—	—	1	µg/L	Y	J	J	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.09	—	—	1	µg/L	Y	J	J	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.99	—	—	1	µg/L	Y	J	J	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	07/13/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.65	—	—	1	µg/L	Y	J	J	10-3672	CAWR-10-24227	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.64	—	—	0.01	SU	Y	H	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.42	—	—	0.01	SU	Y	H	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.38	—	—	0.01	SU	Y	H	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.57	—	—	0.01	SU	Y	H	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.54	—	—	0.01	SU	Y	H	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.63	—	—	0.01	SU	Y	H	J-	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	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-	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.6	—	—	0.01	SU	Y	H	J-	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	182	—	—	0.725	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	184	—	—	0.725	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	238	—	—	0.725	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	237	—	—	0.725	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	124	—	—	0.725	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	127	—	—	0.725	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	142	—	—	0.73	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	136	—	—	0.73	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	133	—	—	0.73	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0385	0.0545	0.402	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.136	0.101	0.474	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00461	0.00461	0.0371	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00463	0.00567	0.0372	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0128	0.00676	0.0349	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00253	0.00438	0.0345	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0066	0.077	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00109	0.0046	0.043	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00255	0.0035	0.029	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.162	—	—	0.017	mg/L	Y	—	J	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.106	—	—	0.017	mg/L	Y	—	J	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.144	—	—	0.017	mg/L	Y	—	U	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.589	—	—	0.017	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.13	—	—	0.017	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0591	—	—	0.017	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0328	—	—	0.016	mg/L	Y	J	J+	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.038	—	—	0.016	mg/L	Y	J	U	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.096	—	—	0.016	mg/L	Y	—	U	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.85	—	—	1.7	µg/L	Y	J	J	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	4.73	—	—	1.7	µg/L	Y	J	J	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.29	—	—	1.7	µg/L	Y	J	J	2014-2681	CAWR-13-42161	GELC

Table C-2 San Ildefonso Pueblo 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
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	4.06	—	—	1.7	µg/L	Y	J	J	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.88	—	—	1.7	µg/L	Y	J	J	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	2.89	—	—	1.7	µg/L	Y	J	J	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.85	—	—	1.7	µg/L	Y	J	J	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.35	—	—	1.5	µg/L	Y	J	J	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	2.48	—	—	1.5	µg/L	Y	J	J	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	118	—	—	1	µg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	239	—	—	1	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	236	—	—	1	µg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	81.2	—	—	1	µg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	83.1	—	—	1	µg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	92.7	—	—	1	µg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	92	—	—	1	µg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	91.9	—	—	1	µg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	30.1	—	—	15	µg/L	Y	J	J	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	30.3	—	—	15	µg/L	Y	J	J	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	29.9	—	—	15	µg/L	Y	J	J	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	27.8	—	—	15	µg/L	Y	J	J	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	36.3	—	—	15	µg/L	Y	J	J	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	35.8	—	—	15	µg/L	Y	J	J	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	32.2	—	—	15	µg/L	Y	J	J	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	31.2	—	—	15	µg/L	Y	J	J	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	30.3	—	—	15	µg/L	Y	J	J	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0768	—	—	0.067	mg/L	Y	J	J	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0752	—	—	0.067	mg/L	Y	J	J	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.121	—	—	0.067	mg/L	Y	J	J	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.13	—	—	0.067	mg/L	Y	J	J	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	45	—	—	0.05	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	46.5	—	—	0.05	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.8	—	—	0.05	mg/L	Y	—	J-	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67.7	—	—	0.05	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	34	—	—	0.05	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	34.6	—	—	0.05	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	38.4	—	—	0.05	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	38.7	—	—	0.05	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	38	—	—	0.05	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.179	1.13	4.24	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.17	1.52	5.72	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.82	1.17	4.36	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.99	1.26	4.26	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.127	1.41	5.26	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.2	1.64	5.25	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.24	1.2	3.5	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.871	1.6	5	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.27	1.9	6.5	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.97	—	—	0.067	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC

Table C-2 San Ildefonso Pueblo 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
Sacred Spring	—	10/30/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.02	—	—	0.067	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	10.6	—	—	0.134	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	10.9	—	—	0.134	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.13	—	—	0.067	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.12	—	—	0.067	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.99	—	—	0.066	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.94	—	—	0.066	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.94	—	—	0.066	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.977	1.2	4.31	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.76	1.65	5.26	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.504	1.22	4.45	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.84	1.41	4.79	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.906	1.32	4.85	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.89	1.52	6.06	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.41	1.3	5.4	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.07	1.5	5.4	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.92	1.5	5.1	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.611	—	—	0.033	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.643	—	—	0.033	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.621	—	—	0.033	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.633	—	—	0.033	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.453	—	—	0.033	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.451	—	—	0.033	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.496	—	—	0.033	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.495	—	—	0.033	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.519	—	—	0.033	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.713	0.474	1.58	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.388	0.412	1.41	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	6.98	1.43	2.94	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	Y	6.61	1.39	2.99	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.42	0.657	2.68	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.18	0.781	2.57	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.36	1.1	2.8	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.2	0.78	2.4	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.21	0.8	2.5	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.37	0.456	1.47	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	2.14	0.542	1.72	—	pCi/L	Y	—	NQ	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.43	0.453	1.27	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	4.21	0.399	1.05	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.67	0.675	2.09	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.593	0.663	2.33	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.08	0.82	2.4	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.39	0.81	2.6	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.44	0.85	2.4	—	pCi/L	Y	—	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	123	—	—	0.453	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	126	—	—	0.453	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	191	—	—	0.453	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	189	—	—	0.453	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	92.4	—	—	0.453	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	94.1	—	—	0.453	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	102	—	—	0.45	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	102	—	—	0.35	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC

Table C-2 San Ildefonso Pueblo 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
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	101	—	—	0.35	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	429	—	—	30	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Iron	Fe	Y	445	—	—	30	µg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	158	—	—	30	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	155	—	—	30	µg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	45.9	—	—	30	µg/L	Y	J	J	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	38.8	—	—	30	µg/L	Y	J	J	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	46.2	—	—	30	µg/L	Y	J	J	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	118	—	—	30	µg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	126	—	—	30	µg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.46	—	—	0.11	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.52	—	—	0.11	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.78	—	—	0.11	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.82	—	—	0.11	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.85	—	—	0.11	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.53	—	—	0.11	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.4	—	—	0.085	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.4	—	—	0.085	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	679	—	—	2	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	706	—	—	2	µg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	994	—	—	2	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	992	—	—	2	µg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	35.1	—	—	2	µg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	35	—	—	2	µg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	152	—	—	2	µg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	424	—	—	2	µg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	402	—	—	2	µg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.802	—	—	0.165	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.894	—	—	0.165	µg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.28	—	—	0.165	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.47	—	—	0.165	µg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	—	0.165	µg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.17	µg/L	Y	—	J	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.47	—	—	0.1	µg/L	Y	—	J	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.5	—	—	0.1	µg/L	Y	—	J	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.886	2.48	8.89	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.51	2.63	9.5	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.22	2.27	8.43	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.63	2.69	8.33	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.91	2.49	10	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.71	2.61	8.39	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.52	2.4	8.8	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.8	3	9	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.997	2.1	6.8	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0643	0.0454	0.215	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	5.74E-09	0.0422	0.231	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00565	0.0199	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00241	0.00933	0.0207	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00347	0.028	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00263	0.00456	0.0299	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC

Table C-2 San Ildefonso Pueblo 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
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0413	0.021	0.09	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00383	0.0027	0.022	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.002	0.023	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0803	0.0579	0.318	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0172	0.0455	0.34	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00461	0.00652	0.0478	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00481	0.00963	0.0498	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00491	0.00602	0.0332	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00263	0.00696	0.0356	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0381	0.014	0.087	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00382	0.0033	0.037	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00199	0.002	0.039	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.45	—	—	0.05	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.46	—	—	0.05	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.17	—	—	0.05	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.17	—	—	0.05	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.58	—	—	0.05	mg/L	Y	E	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.66	—	—	0.05	mg/L	Y	E	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.78	—	—	0.05	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.62	15.6	57.6	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-12.8	19	70.1	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.8	14.2	49.6	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	0.0775	17	62.5	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-32.3	18.9	63.7	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-7.56	16.7	65.6	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-34.2	17	61	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	31.4	18	70	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	24.6	18	66	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53.5	—	—	0.053	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	55	—	—	0.053	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54	—	—	0.053	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	53.5	—	—	0.053	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	45.3	—	—	0.265	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	47	—	—	0.265	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.2	—	—	0.053	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	47.7	—	—	0.053	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.2	—	—	0.053	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.6	—	—	0.1	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	40.7	—	—	0.1	mg/L	Y	—	J-	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	40.3	—	—	0.1	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	20.8	—	—	0.1	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.2	—	—	0.1	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.4	—	—	0.1	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.2	—	—	0.1	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.8	—	—	0.1	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.19	1.18	4.6	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.629	1.43	4.9	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.467	1.46	4.55	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.85	1.38	4.43	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42126	GELC

Table C-2 San Ildefonso Pueblo 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
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.43	1.06	3.63	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.611	1.46	5.42	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.648	1.3	5.2	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.07	1.6	5.6	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.319	1.3	4.2	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	330	—	—	3.63	µS/cm	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	330	—	—	3.63	µS/cm	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	529	—	—	1	µS/cm	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	531	—	—	1	µS/cm	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	280	—	—	1	µS/cm	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	321	—	—	1	µS/cm	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	292	—	—	1	µS/cm	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	292	—	—	1	µS/cm	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	300	—	—	1	µS/cm	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	514	—	—	1	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	531	—	—	1	µg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	665	—	—	1	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	653	—	—	1	µg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	403	—	—	1	µg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	410	—	—	1	µg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	455	—	—	1	µg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	474	—	—	1	µg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	463	—	—	1	µg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.464	0.16	0.48	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0938	0.141	0.486	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.187	0.104	0.343	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.473	0.162	0.495	—	pCi/L	Y	U	U	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.207	0.124	0.476	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0223	0.137	0.493	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.251	0.12	0.49	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.189	0.13	0.45	—	pCi/L	Y	U	U	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0162	0.13	0.48	—	pCi/L	Y	U	U	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.76	—	—	0.133	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.59	—	—	0.133	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	27.7	—	—	0.266	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	29.4	—	—	0.266	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.03	—	—	0.133	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.08	—	—	0.133	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.52	—	—	0.1	mg/L	Y	—	J+	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.05	—	—	0.1	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	—	0.1	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	260	—	—	3.4	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	247	—	—	3.4	mg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	326	—	—	3.4	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	327	—	—	3.4	mg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	—	—	3.4	mg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	—	—	3.4	mg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	200	—	—	2.4	mg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	205	—	—	2.4	mg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.172	—	—	0.033	mg/L	Y	—	NQ	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.192	—	—	0.033	mg/L	Y	—	NQ	2015-207	CAWR-14-89222	GELC

Table C-2 San Ildefonso Pueblo 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
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.203	—	—	0.033	mg/L	Y	—	NQ	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.248	—	—	0.033	mg/L	Y	—	NQ	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.126	—	—	0.035	mg/L	Y	—	NQ	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0941	—	—	0.035	mg/L	Y	J	J-	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	11-63	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.085	—	—	0.033	mg/L	Y	J	J	11-63	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.91	—	—	0.33	mg/L	Y	—	J-	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.85	—	—	0.33	mg/L	Y	—	J-	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	4.37	—	—	0.33	mg/L	Y	—	NQ	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	4.02	—	—	0.33	mg/L	Y	—	NQ	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.35	—	—	0.33	mg/L	Y	—	NQ	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.42	—	—	0.33	mg/L	Y	—	NQ	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.21	—	—	0.33	mg/L	Y	—	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.43	—	—	0.33	mg/L	Y	—	U	11-63	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.45	—	—	0.33	mg/L	Y	—	U	11-63	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.506	0.736	2.458	—	pCi/L	Y	U	U	2015-230	CAWR-14-89229	ARSL
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.433	0.778	2.609	—	pCi/L	Y	U	U	2015-230	CAWR-14-89222	ARSL
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	2.432	0.733	1.99	—	pCi/L	Y	—	J-	2014-2713	CAWR-13-42147	ARSL
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	1.554	0.64	1.918	—	pCi/L	Y	U	U	2014-2713	CAWR-13-42126	ARSL
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.654	0.589	1.932	—	pCi/L	Y	U	U	2013-29	CAWR-12-23434	ARSL
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.316	0.643	2.16	—	pCi/L	Y	U	U	2013-29	CAWR-12-23403	ARSL
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.42	1.21	2.06	—	pCi/L	Y	U	U	12-97	CAWR-11-27994	ARSL
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-24.3512	63.7201	214.113	—	pCi/L	Y	U	U	11-115	CAWR-10-25332	ARSL
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	21.5418	3.3488	2.1896	—	pCi/L	Y	—	NQ	11-115	CAWR-10-26567	ARSL
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.25	—	—	0.067	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.263	—	—	0.067	µg/L	Y	—	NQ	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	5.45	—	—	0.067	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	5.55	—	—	0.067	µg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.12	—	—	0.067	µg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.14	—	—	0.067	µg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.38	—	—	0.067	µg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	4.27	—	—	0.05	µg/L	Y	—	NQ	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.14	—	—	0.05	µg/L	Y	—	NQ	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.204	0.0223	0.039	—	pCi/L	Y	—	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.238	0.0227	0.0383	—	pCi/L	Y	—	J	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	3.52	0.0972	0.0332	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	3.4	0.0966	0.0338	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.689	0.0417	0.0401	—	pCi/L	Y	—	J	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.644	0.0422	0.0437	—	pCi/L	Y	—	NQ	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.949	0.088	0.061	—	pCi/L	Y	—	NQ	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.726	0.063	0.032	—	pCi/L	Y	—	NQ	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.772	0.067	0.034	—	pCi/L	Y	—	NQ	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0118	0.00781	0.034	—	pCi/L	Y	U	U	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0116	0.00694	0.0334	—	pCi/L	Y	U	U	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0793	0.0181	0.0299	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0841	0.0187	0.0304	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00846	0.00846	0.0291	—	pCi/L	Y	U	U	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0153	0.0102	0.0317	—	pCi/L	Y	U	U	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0362	0.015	0.045	—	pCi/L	Y	U	U	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0734	0.014	0.025	—	pCi/L	Y	—	NQ	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0856	0.016	0.027	—	pCi/L	Y	—	NQ	11-65	CAWR-10-26567	GELC

Table C-2 San Ildefonso Pueblo 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
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.168	0.0185	0.0374	—	pCi/L	Y	—	NQ	2015-207	CAWR-14-89229	GELC
Sacred Spring	—	10/30/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.154	0.0178	0.0367	—	pCi/L	Y	—	NQ	2015-207	CAWR-14-89222	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.67	0.067	0.0208	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42147	GELC
Sacred Spring	—	12/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.87	0.0716	0.0212	—	pCi/L	Y	—	NQ	2014-2681	CAWR-13-42126	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.356	0.0287	0.0273	—	pCi/L	Y	—	J	2013-36	CAWR-12-23434	GELC
Sacred Spring	—	10/03/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.414	0.0324	0.0297	—	pCi/L	Y	—	NQ	2013-36	CAWR-12-23403	GELC
Sacred Spring	—	10/14/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.41	0.048	0.072	—	pCi/L	Y	—	NQ	12-107	CAWR-11-27994	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.387	0.038	0.02	—	pCi/L	Y	—	NQ	11-65	CAWR-10-25332	GELC
Sacred Spring	—	10/06/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.352	0.037	0.021	—	pCi/L	Y	—	NQ	11-65	CAWR-10-26567	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.43	—	—	1	µg/L	Y	J	J	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.48	—	—	1	µg/L	Y	J	J	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.29	—	—	1	µg/L	Y	J	J	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.44	—	—	1	µg/L	Y	J	J	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.77	—	—	1	µg/L	Y	—	NQ	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.33	—	—	1	µg/L	Y	—	NQ	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.96	—	—	1	µg/L	Y	—	NQ	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.1	—	—	1	µg/L	Y	J	J	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.94	—	—	1	µg/L	Y	J	J	11-64	CAWR-10-26566	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.97	—	—	3.3	µg/L	Y	J	J	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.21	—	—	3.3	µg/L	Y	J	J	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.95	—	—	3.3	µg/L	Y	J	J	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-64	CAWR-10-25334	GELC
Sacred Spring	—	10/06/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-64	CAWR-10-26566	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.59	—	—	0.01	SU	Y	H	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	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-	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	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-	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	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-	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96.9	—	—	0.725	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	93.9	—	—	0.725	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.1	—	—	0.73	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.2	—	—	0.73	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	95	—	—	0.73	mg/L	Y	—	NQ	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00666	0.0527	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0124	0.00656	0.0398	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00261	0.00585	0.0357	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00907	0.0046	0.037	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00447	0.0026	0.03	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	5.51	—	—	1.7	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.78	—	—	1.7	µg/L	Y	J	J	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.42	—	—	1.7	µg/L	Y	J	J	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.97	—	—	1.7	µg/L	Y	J	J	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.25	—	—	1.5	µg/L	Y	J	J	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.9	—	—	1	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.2	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.9	—	—	1	µg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.7	—	—	1	µg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC

Table C-2 San Ildefonso Pueblo 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
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	38.5	—	—	15	µg/L	Y	J	J	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	36.9	—	—	15	µg/L	Y	J	J	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	39.7	—	—	15	µg/L	Y	J	J	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	37.9	—	—	15	µg/L	Y	J	J	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	39.3	—	—	15	µg/L	Y	J	J	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.4	—	—	0.05	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.5	—	—	0.05	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.3	—	—	0.05	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.765	1.38	4.78	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.336	1.62	5.75	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.4	1.65	5.82	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.53	1.8	6.6	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.538	1.5	5.1	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.99	—	—	0.067	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.89	—	—	0.067	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.79	—	—	0.066	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.95	—	—	0.066	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.9	—	—	0.066	mg/L	Y	—	NQ	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.38	—	—	2	µg/L	Y	J	J	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.57	—	—	2	µg/L	Y	J	J	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.37	—	—	2	µg/L	Y	J	J	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.96	—	—	2	µg/L	Y	J	J	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.34	—	—	2.5	µg/L	Y	J	J	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	5.67	1.51	6.8	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.334	1.55	6.03	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.175	1.26	4.86	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.202	1.5	5.8	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.12	1.4	4.5	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.532	—	—	0.033	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.43	—	—	0.033	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.489	—	—	0.033	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.474	—	—	0.033	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.615	—	—	0.033	mg/L	Y	—	NQ	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.52	0.939	2.87	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.22	0.488	1.25	—	pCi/L	Y	—	NQ	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.89	1.18	2.58	—	pCi/L	Y	—	NQ	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.28	0.98	1.9	—	pCi/L	Y	—	NQ	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.34	1.4	2.2	—	pCi/L	Y	—	NQ	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.24	0.878	2.88	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.4	0.834	2.53	—	pCi/L	Y	—	NQ	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.59	0.736	2.13	—	pCi/L	Y	—	NQ	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.13	1	2.9	—	pCi/L	Y	—	NQ	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	11.3	1.7	2.8	—	pCi/L	Y	—	NQ	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.7	—	—	0.453	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.7	—	—	0.453	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.3	—	—	0.453	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.5	—	—	0.45	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.4	—	—	0.35	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.993	—	—	0.11	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.967	—	—	0.11	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC

Table C-2 San Ildefonso Pueblo 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
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.886	—	—	0.11	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.986	—	—	0.11	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.992	—	—	0.085	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.61	—	—	0.165	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.58	—	—	0.165	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.68	—	—	0.165	µg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.55	—	—	0.17	µg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.29	—	—	0.1	µg/L	Y	—	J	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.26	2.36	8.03	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.426	2.59	8.86	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.68	2.77	9.16	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.74	2.6	9.6	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.62	2.9	9.1	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.38	—	—	0.017	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.38	—	—	0.017	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.369	—	—	0.05	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.381	—	—	0.05	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.413	—	—	0.05	mg/L	Y	—	NQ	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.323	—	—	0.05	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.282	—	—	0.05	µg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.338	—	—	0.05	µg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.314	—	—	0.05	µg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.324	—	—	0.05	µg/L	Y	—	NQ	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00395	0.0415	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00454	0.0276	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00976	0.00728	0.037	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0035	0.043	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00169	0.0017	0.019	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00279	0.0128	0.0366	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00963	0.00718	0.0665	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00325	0.00861	0.044	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00246	0.0035	0.042	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00844	0.0041	0.033	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.08	—	—	0.05	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.16	—	—	0.05	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.09	—	—	0.05	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.1	—	—	0.05	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.11	—	—	0.05	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.32	22.2	38.6	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.6	18.1	63.5	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.2	15.2	54.9	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.1	20	81	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17	17	62	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	32.9	—	—	0.053	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	34.6	—	—	0.053	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	32.3	—	—	0.053	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	32.5	—	—	0.053	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	32.5	—	—	0.053	mg/L	Y	—	NQ	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	31.8	—	—	0.1	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	30	—	—	0.1	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	29.8	—	—	0.1	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	29.3	—	—	0.1	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC

Table C-2 San Ildefonso Pueblo 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
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	29.7	—	—	0.1	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.4	1.34	4.51	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-4.35	1.61	4.41	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.698	1.2	4.48	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.27	1.3	5.6	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.398	1.6	5.2	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	3.63	µS/cm	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	213	—	—	1	µS/cm	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	206	—	—	1	µS/cm	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	216	—	—	1	µS/cm	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	214	—	—	1	µS/cm	Y	—	NQ	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	199	—	—	1	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	200	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	200	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	197	—	—	1	µg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	199	—	—	1	µg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0176	0.136	0.48	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0606	0.0796	0.277	—	pCi/L	Y	U	U	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.159	0.106	0.481	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.255	0.15	0.49	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0621	0.13	0.48	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.57	—	—	0.133	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.54	—	—	0.133	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.22	—	—	0.1	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.73	—	—	0.1	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.45	—	—	0.1	mg/L	Y	—	J	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	2.4	mg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	2.4	mg/L	Y	—	NQ	10-13	CAWR-09-12485	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.333	—	—	0.33	mg/L	Y	J	J	2014-4642	CAWR-14-86942	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.914	—	—	0.33	mg/L	Y	J	J	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.547	—	—	0.33	mg/L	Y	J	U	12-72	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.58	—	—	0.33	mg/L	Y	J	J	10-4766	CAWR-10-25418	GELC
Spring 1	—	09/28/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.885	—	—	0.33	mg/L	Y	J	J	10-13	CAWR-09-12484	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	3.129	1.071	3.049	—	pCi/L	Y	—	U	2015-4	CAWR-14-86942	ARSL
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	1.02	0.639	2.039	—	pCi/L	Y	U	U	2014-2713	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.825	0.688	2.245	—	pCi/L	Y	U	U	2013-8	CAWR-12-23436	ARSL
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	-0.89	0.68	2.32	—	pCi/L	Y	U	U	12-75	CAWR-11-27999	ARSL
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	3.4776	0.7728	1.771	—	pCi/L	N	—	R	11-28	CAWR-10-25418	ARSL
Spring 1	—	09/27/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	2.8336	0.7406	1.771	—	pCi/L	Y	—	NQ	11-28	CAWR-10-25418	ARSL
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.55	—	—	0.067	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.06	—	—	0.067	µg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.16	—	—	0.067	µg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.39	—	—	0.05	µg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.42	0.0621	0.0675	—	pCi/L	Y	—	NQ	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.79	0.0685	0.0321	—	pCi/L	Y	—	NQ	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.42	0.0848	0.0801	—	pCi/L	Y	—	NQ	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.23	0.11	0.063	—	pCi/L	Y	—	NQ	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.44	0.13	0.072	—	pCi/L	Y	—	NQ	10-4767	CAWR-10-25418	GELC

Table C-2 San Ildefonso Pueblo 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
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0298	0.011	0.0472	—	pCi/L	Y	U	U	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0544	0.0147	0.0289	—	pCi/L	Y	—	NQ	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0113	0.0159	0.0581	—	pCi/L	Y	U	U	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0327	0.016	0.046	—	pCi/L	Y	U	U	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0368	0.018	0.055	—	pCi/L	Y	U	U	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.708	0.0439	0.036	—	pCi/L	Y	—	NQ	2014-4642	CAWR-14-86942	GELC
Spring 1	—	12/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.903	0.0485	0.0201	—	pCi/L	Y	—	NQ	2014-2663	CAWR-13-42149	GELC
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.806	0.0609	0.0545	—	pCi/L	Y	—	NQ	12-1573	CAWR-12-23436	GELC
Spring 1	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.6	0.066	0.074	—	pCi/L	Y	—	NQ	12-74	CAWR-11-27999	GELC
Spring 1	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.642	0.072	0.043	—	pCi/L	Y	—	NQ	10-4767	CAWR-10-25418	GELC
Spring 1	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.8	—	—	1	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GELC
Spring 1	—	12/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	16	—	—	1	µg/L	Y	—	NQ	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17.1	—	—	1	µg/L	Y	—	NQ	10-4767	CAWR-10-25417	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	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-	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	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-	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	J-	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	112	—	—	0.725	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	121	—	—	0.725	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	119	—	—	0.73	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	123	—	—	0.73	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	133	—	—	0.73	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00533	0.0557	—	pCi/L	Y	U	U	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00996	0.00743	0.0453	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00206	0.0062	0.034	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0033	0.005	0.034	—	pCi/L	Y	U	U	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.02	0.007	0.034	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.127	—	—	0.017	mg/L	Y	—	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.112	—	—	0.017	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0677	—	—	0.016	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.058	—	—	0.016	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.018	—	—	0.016	mg/L	Y	J	J-	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.13	—	—	1.7	µg/L	Y	J	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	10.7	—	—	1.7	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	8.52	—	—	1.7	µg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	7.7	—	—	1.5	µg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	13.2	—	—	1.5	µg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.4	—	—	1	µg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	34.7	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	38	—	—	1	µg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	35.4	—	—	1	µg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	09/29/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(k)fluoranthene	207-08-9	Y	0.0114	—	—	0.00909	µg/L	Y	JP	J	2014-4642	CAWR-14-86943	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.09	—	—	0.33	µg/L	Y	U	U	12-72	CAWR-11-28002	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.12	—	—	0.23	µg/L	Y	U	U	10-13	CAWR-09-12489	GELC
Spring 2	—	09/29/08	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.09	—	—	0.22	µg/L	Y	U	U	08-2041	CAWR-08-15476	GELC
Spring 2	—	04/29/08	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.09	—	—	0.22	µg/L	Y	U	U	08-1082	CAWR-08-12092	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	41.2	—	—	15	µg/L	Y	J	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.2	—	—	15	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC

Table C-2 San Ildefonso Pueblo 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
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	44.9	—	—	15	µg/L	Y	J	J	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	48.8	—	—	15	µg/L	Y	J	J	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	44.1	—	—	15	µg/L	Y	J	J	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.6	—	—	0.05	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.9	—	—	0.05	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.9	—	—	0.05	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.5	—	—	0.05	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.78	1.96	6.47	—	pCi/L	Y	U	U	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.828	1.54	5.47	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.35	1.4	5.5	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.37	1.5	5.4	—	pCi/L	Y	U	U	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0913	1.3	4.1	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.98	—	—	0.067	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.66	—	—	0.067	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.91	—	—	0.066	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.94	—	—	0.066	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.92	—	—	0.066	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.6	—	—	2	µg/L	Y	J	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2.5	µg/L	Y	U	U	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2.5	µg/L	Y	U	U	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0359	1.97	6.48	—	pCi/L	Y	U	U	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.07	1.62	6.49	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.08	1.6	5.9	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.309	1.4	4.7	—	pCi/L	Y	U	U	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.03	1.3	3.6	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.479	—	—	0.033	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.461	—	—	0.033	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.526	—	—	0.033	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.534	—	—	0.033	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.734	—	—	0.033	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.25	0.627	1.77	—	pCi/L	Y	—	NQ	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.07	0.94	2.63	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.98	1	2.2	—	pCi/L	Y	—	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	7.35	1.9	2.8	—	pCi/L	Y	—	NQ	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.839	0.72	2.6	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.72	0.612	1.81	—	pCi/L	Y	—	NQ	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.05	0.697	2.29	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.44	1	2.3	—	pCi/L	Y	—	NQ	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.75	1.4	2.3	—	pCi/L	Y	—	NQ	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.53	0.81	2	—	pCi/L	Y	—	NQ	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.3	—	—	0.453	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.7	—	—	0.453	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.3	—	—	0.45	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.5	—	—	0.35	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.8	—	—	0.35	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	55.1	—	—	30	µg/L	Y	J	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	60.8	—	—	30	µg/L	Y	J	J	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	60.8	—	—	30	µg/L	Y	J	J	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	78.2	—	—	30	µg/L	Y	J	J	10-4767	CAWR-10-25424	GELC

Table C-2 San Ildefonso Pueblo 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
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	38.5	—	—	30	µg/L	Y	J	J	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.702	—	—	0.11	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.905	—	—	0.11	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.25	—	—	0.11	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.06	—	—	0.085	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.982	—	—	0.085	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	9.41	—	—	2	µg/L	Y	J	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	203	—	—	2	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	112	—	—	2	µg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	51.3	—	—	2	µg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	10.1	—	—	2	µg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.14	—	—	0.165	µg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.67	—	—	0.165	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.51	—	—	0.17	µg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.54	—	—	0.1	µg/L	Y	—	J	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.65	—	—	0.1	µg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.16	3.77	12.7	—	pCi/L	Y	U	U	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.16	3.34	11.2	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.613	3.2	11	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.772	2.9	9.4	—	pCi/L	Y	U	U	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	7.87	10	33	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.154	—	—	0.017	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.25	—	—	0.05	mg/L	Y	U	U	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.25	—	—	0.05	mg/L	Y	U	U	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.25	—	—	0.05	mg/L	Y	U	U	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.169	—	—	0.05	µg/L	Y	J	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	N	0.2	—	—	0.05	µg/L	Y	U	U	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	N	0.2	—	—	0.05	µg/L	Y	U	U	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	N	0.2	—	—	0.05	µg/L	Y	U	U	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	N	0.2	—	—	0.05	µg/L	Y	U	U	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00625	0.00644	0.0311	—	pCi/L	Y	U	U	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00785	0.00961	0.0447	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0019	0.033	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00535	0.0046	0.03	—	pCi/L	Y	U	U	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00171	0.0017	0.029	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.011	0.00609	0.0461	—	pCi/L	Y	U	U	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0118	0.0118	0.053	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00568	0.0033	0.032	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0107	0.0076	0.052	—	pCi/L	Y	U	U	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00171	0.0017	0.028	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.13	—	—	0.05	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.92	—	—	0.05	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.12	—	—	0.05	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.94	—	—	0.05	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.7	18.8	72.8	—	pCi/L	Y	U	U	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.15	19	76.8	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.06	17	70	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.47	21	70	—	pCi/L	Y	U	U	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-43.9	17	48	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	31.6	—	—	0.053	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC

Table C-2 San Ildefonso Pueblo 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
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	37.9	—	—	0.053	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	34.1	—	—	0.053	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	34.7	—	—	0.053	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	34	—	—	0.053	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	39.6	—	—	0.1	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	38.4	—	—	0.1	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	37.6	—	—	0.1	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	38.5	—	—	0.1	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	43.5	—	—	0.1	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.43	1.58	6.63	—	pCi/L	Y	U	U	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.48	1.23	4.28	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.59	1.4	6	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.28	1.4	4.6	—	pCi/L	Y	U	U	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.11	1.1	4	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	223	—	—	3.63	µS/cm	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	245	—	—	1	µS/cm	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	259	—	—	1	µS/cm	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	268	—	—	1	µS/cm	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	263	—	—	1	µS/cm	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	186	—	—	1	µg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	188	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	204	—	—	1	µg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	195	—	—	1	µg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	184	—	—	1	µg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.183	0.127	0.495	—	pCi/L	Y	U	U	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0215	0.129	0.489	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.171	0.15	0.49	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.27	0.15	0.48	—	pCi/L	Y	U	U	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0766	0.083	0.29	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.04	—	—	0.133	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.92	—	—	0.133	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.28	—	—	0.1	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.13	—	—	0.1	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.05	—	—	0.1	mg/L	Y	—	J	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	113	—	—	3.4	mg/L	Y	—	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	172	—	—	2.4	mg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	172	—	—	2.4	mg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.21	—	—	0.033	mg/L	Y	—	NQ	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.373	—	—	0.035	mg/L	Y	—	NQ	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-72	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.416	—	—	0.033	mg/L	Y	—	J-	10-4766	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.119	—	—	0.033	mg/L	Y	—	J+	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.23	—	—	0.33	mg/L	Y	—	J-	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.36	—	—	0.33	mg/L	Y	—	NQ	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.78	—	—	0.33	mg/L	Y	—	U	12-72	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3	—	—	0.66	mg/L	Y	—	NQ	10-4766	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.81	—	—	0.33	mg/L	Y	—	NQ	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	-0.94	0.799	2.75	—	pCi/L	Y	U	U	2015-197	CAWR-14-89231	ARSL
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.189	0.671	2.266	—	pCi/L	Y	U	U	2013-8	CAWR-12-23437	ARSL
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	-0.57	0.62	2.12	—	pCi/L	Y	U	U	12-75	CAWR-11-28002	ARSL

Table C-2 San Ildefonso Pueblo 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
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	5.2808	1.1914	2.737	—	pCi/L	N	—	R	11-28	CAWR-10-25422	ARSL
Spring 2	—	09/27/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	3.864	1.0626	2.737	—	pCi/L	Y	—	U	11-28	CAWR-10-25422	ARSL
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	N	0.644	0.2898	0.2898	—	pCi/L	Y	—	U	10-20	CAWR-09-12490	UMTL
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	3.08	—	—	0.067	µg/L	Y	—	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.1	—	—	0.067	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.61	—	—	0.067	µg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.68	—	—	0.05	µg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.59	—	—	0.05	µg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	2.01	0.0843	0.0719	—	pCi/L	Y	—	NQ	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.745	0.0547	0.0659	—	pCi/L	Y	—	NQ	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.897	0.094	0.076	—	pCi/L	Y	—	J+	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.67	0.14	0.045	—	pCi/L	Y	—	NQ	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.868	0.08	0.1	—	pCi/L	Y	—	NQ	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0651	0.0189	0.0626	—	pCi/L	Y	—	NQ	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0185	0.0131	0.0478	—	pCi/L	Y	U	U	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0283	0.015	0.056	—	pCi/L	Y	U	U	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0465	0.013	0.035	—	pCi/L	Y	—	NQ	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0211	0.011	0.052	—	pCi/L	Y	U	U	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.15	0.0639	0.0689	—	pCi/L	Y	—	NQ	2015-187	CAWR-14-89231	GELC
Spring 2	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.427	0.0404	0.0448	—	pCi/L	Y	—	NQ	12-1573	CAWR-12-23437	GELC
Spring 2	—	10/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.526	0.065	0.089	—	pCi/L	Y	—	J+	12-74	CAWR-11-28002	GELC
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.929	0.083	0.027	—	pCi/L	Y	—	NQ	10-4767	CAWR-10-25422	GELC
Spring 2	—	09/28/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.5	0.052	0.062	—	pCi/L	Y	—	NQ	10-13	CAWR-09-12490	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	26.6	—	—	1	µg/L	Y	—	NQ	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.45	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.2	—	—	1	µg/L	Y	—	NQ	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.47	—	—	1	µg/L	Y	—	NQ	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.97	—	—	1	µg/L	Y	—	NQ	10-13	CAWR-09-12488	GELC
Spring 2	—	10/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.61	—	—	3.3	µg/L	Y	J	J	2015-187	CAWR-14-89235	GELC
Spring 2	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-1573	CAWR-12-23465	GELC
Spring 2	—	10/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-73	CAWR-11-28003	GELC
Spring 2	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-4767	CAWR-10-25424	GELC
Spring 2	—	09/28/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-13	CAWR-09-12488	GELC
LLAO-4	5.24	06/17/14	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	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.22	—	—	0.01	SU	Y	H	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.15	—	—	0.01	SU	Y	H	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.34	—	—	0.01	SU	Y	H	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.01	—	—	0.01	SU	Y	H	J-	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.18	—	—	0.01	SU	Y	H	J-	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	203	—	—	0.725	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	200	—	—	0.725	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	157	—	—	0.725	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	174	—	—	0.725	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	174	—	—	0.73	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	171	—	—	0.73	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00315	0.00577	0.0418	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00907	0.013	0.0478	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00862	0.00643	0.0437	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00557	0.00491	0.0334	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0123	0.0068	0.024	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-4.16E-05	0.0016	0.033	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-3574	CALA-14-79464	GELC

Table C-2 San Ildefonso Pueblo 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
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0509	—	—	0.017	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	179	—	—	1	µg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	181	—	—	1	µg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	118	—	—	1	µg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	130	—	—	1	µg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	150	—	—	1	µg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	159	—	—	1	µg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	66.7	—	—	15	µg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	68.8	—	—	15	µg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	59.4	—	—	15	µg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	63.5	—	—	15	µg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	72.1	—	—	15	µg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	86.3	—	—	15	µg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.248	—	—	0.067	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.242	—	—	0.067	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.124	—	—	0.067	mg/L	Y	J	J	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.123	—	—	0.067	mg/L	Y	J	J	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.165	—	—	0.066	mg/L	Y	J	J	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.167	—	—	0.066	mg/L	Y	J	J	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	64	—	—	0.05	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	63.4	—	—	0.05	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	41	—	—	0.05	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.7	—	—	0.05	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	52.3	—	—	0.05	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	51.2	—	—	0.05	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.07	1.27	4.29	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.482	1.56	5.16	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.83	1.02	3.86	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0105	1.3	4.71	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.15	1.7	6.2	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.659	1.2	4	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	43.4	—	—	0.67	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.1	—	—	0.67	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	18.8	—	—	0.335	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	25.7	—	—	0.134	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	30.1	—	—	0.33	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	29.9	—	—	0.66	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.184	1.38	4.98	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.45	1.51	5.4	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.47	1.27	3.47	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.32	1.28	5.21	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.72	1.8	6.8	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.762	1.4	4.1	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.299	—	—	0.033	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.319	—	—	0.033	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.452	—	—	0.033	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.427	—	—	0.033	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.389	—	—	0.033	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC

Table C-2 San Ildefonso Pueblo 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
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.42	—	—	0.033	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.213	0.559	1.95	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.219	0.633	2.25	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.233	0.512	2.44	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.09	1.05	2.93	—	pCi/L	Y	—	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.66	0.88	2.5	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.962	0.97	3.4	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.15	0.556	1.79	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	1.95	0.558	1.65	—	pCi/L	Y	—	NQ	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.32	0.567	1.76	—	pCi/L	Y	—	NQ	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.46	0.795	2.57	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.73	0.93	2.4	—	pCi/L	Y	—	NQ	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.22	1	2.8	—	pCi/L	Y	—	NQ	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	187	—	—	0.453	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	186	—	—	0.453	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	120	—	—	0.453	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	136	—	—	0.453	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	153	—	—	0.45	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	150	—	—	0.35	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.71	—	—	0.11	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.65	—	—	0.11	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.39	—	—	0.11	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.78	—	—	0.11	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.36	—	—	0.11	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.3	—	—	0.085	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.598	—	—	0.165	µg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.638	—	—	0.165	µg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.165	µg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.5	—	—	0.165	µg/L	Y	U	U	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.17	µg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.1	µg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.55	2.78	10.3	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.93	2.77	10.2	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.35	2.09	7.03	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.94	2.85	9.59	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.25	2.4	8.2	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	07/08/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	31.7	16	44	—	pCi/L	Y	U	U	09-2571	CALA-09-11202	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.14	—	—	0.5	µg/L	Y	J	J	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.19	—	—	0.5	µg/L	Y	J	J	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.71	—	—	0.5	µg/L	Y	J	J	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	17.8	—	—	0.5	µg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.72	—	—	0.5	µg/L	Y	J	J	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.496	—	—	0.017	mg/L	Y	—	J	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.054	—	—	0.017	mg/L	Y	—	U	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0259	—	—	0.017	mg/L	Y	J	J	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.25	—	—	0.085	mg/L	Y	U	U	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0985	—	—	0.05	mg/L	Y	J	J-	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	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	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00518	0.00518	0.0268	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00229	0.00397	0.0236	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00253	0.0076	0.0237	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC

Table C-2 San Ildefonso Pueblo 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
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0105	0.0114	0.0382	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00221	0.0038	0.033	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0036	0.02	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0104	0.00733	0.051	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0137	0.00793	0.045	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.038	0.0141	0.0499	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00176	0.00634	0.0293	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00442	0.0063	0.046	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00361	0.0051	0.029	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.93	—	—	0.05	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.9	—	—	0.05	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.44	—	—	0.05	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.59	—	—	0.05	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.95	—	—	0.05	mg/L	Y	E	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.33	—	—	0.05	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.52	17.4	69.4	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-9.74	14.5	58.5	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.34	12.9	34.3	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.31	15.8	60.2	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.7	20	71	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	19.9	17	62	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.5	—	—	0.053	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	63.2	—	—	0.053	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	58.4	—	—	0.053	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	56.2	—	—	0.053	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	59.2	—	—	0.053	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.3	—	—	0.053	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	47.3	—	—	0.1	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	46.9	—	—	0.1	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	37	—	—	0.1	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	36.5	—	—	0.1	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	39.1	—	—	0.1	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	40.8	—	—	0.1	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.45	1.05	3.46	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.41	1.4	3.81	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.129	1.06	3.39	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.57	1.51	5.14	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.05	1.4	5	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.801	1.3	3.9	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	574	—	—	1	µS/cm	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	577	—	—	1	µS/cm	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	412	—	—	1	µS/cm	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	440	—	—	1	µS/cm	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	455	—	—	1	µS/cm	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	465	—	—	1	µS/cm	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	532	—	—	1	µg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	533	—	—	1	µg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	357	—	—	1	µg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	395	—	—	1	µg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	416	—	—	1	µg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	448	—	—	1	µg/L	Y	E	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.123	0.112	0.387	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC

Table C-2 San Ildefonso Pueblo 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
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0948	0.113	0.397	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0592	0.13	0.49	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00266	0.138	0.489	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0168	0.14	0.51	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.175	0.13	0.46	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20	—	—	0.133	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	19.9	—	—	0.133	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.4	—	—	0.133	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	17.5	—	—	0.133	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	17.8	—	—	0.1	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.3	—	—	0.1	mg/L	Y	—	J+	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	377	—	—	3.4	mg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	351	—	—	3.4	mg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	256	—	—	3.4	mg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	303	—	—	3.4	mg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	319	—	—	2.4	mg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	336	—	—	2.4	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.35	—	—	0.33	mg/L	Y	—	NQ	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.46	—	—	0.33	mg/L	Y	—	NQ	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.766	—	—	0.33	mg/L	Y	J	J	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.812	—	—	0.33	mg/L	Y	J	J	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.689	—	—	0.33	mg/L	Y	J	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.22	—	—	0.33	mg/L	Y	—	NQ	10-4370	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.032	—	—	0.017	mg/L	Y	J	J	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0257	—	—	0.017	mg/L	Y	J	J	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0382	—	—	0.017	mg/L	Y	J	J	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.139	—	—	0.017	mg/L	Y	—	U	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0462	—	—	0.015	mg/L	Y	J	U	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.064	—	—	0.015	mg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.85	—	—	0.067	µg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.87	—	—	0.067	µg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.43	—	—	0.067	µg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.2	—	—	0.067	µg/L	Y	U	U	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.89	—	—	0.067	µg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.35	—	—	0.05	µg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.1	0.0522	0.0628	—	pCi/L	Y	—	NQ	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.18	0.0568	0.0699	—	pCi/L	Y	—	NQ	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.61	0.0472	0.0793	—	pCi/L	Y	—	NQ	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.13	0.0525	0.058	—	pCi/L	Y	—	NQ	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.754	0.072	0.062	—	pCi/L	Y	—	NQ	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.629	0.061	0.072	—	pCi/L	Y	—	NQ	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.045	0.0131	0.0526	—	pCi/L	Y	U	U	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0334	0.0125	0.0586	—	pCi/L	Y	U	U	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0178	0.0126	0.0617	—	pCi/L	Y	U	U	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0295	0.0102	0.0335	—	pCi/L	Y	U	U	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0313	0.011	0.033	—	pCi/L	Y	U	U	11-2719	CALA-11-14674	GELC
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0199	0.0095	0.036	—	pCi/L	Y	U	U	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.743	0.0427	0.0353	—	pCi/L	Y	—	NQ	2014-3574	CALA-14-79458	GELC
LLAO-4	5.24	06/17/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.708	0.0441	0.0392	—	pCi/L	Y	—	NQ	2014-3574	CALA-14-79447	GELC
LLAO-4	5.24	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.44	0.0408	0.0507	—	pCi/L	Y	—	NQ	2013-951	CALA-13-33423	GELC
LLAO-4	5.24	04/09/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.672	0.0405	0.0373	—	pCi/L	Y	—	NQ	12-1203	CALA-12-12549	GELC
LLAO-4	5.24	06/21/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.473	0.051	0.037	—	pCi/L	Y	—	NQ	11-2719	CALA-11-14674	GELC

Table C-2 San Ildefonso Pueblo 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
LLAO-4	5.24	08/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.448	0.047	0.032	—	pCi/L	Y	—	NQ	10-4371	CALA-10-25247	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.76	—	—	1	µg/L	Y	—	NQ	2014-3574	CALA-14-79464	GELC
LLAO-4	5.24	06/17/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.01	—	—	1	µg/L	Y	—	NQ	2014-3574	CALA-14-79448	GELC
LLAO-4	5.24	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.92	—	—	1	µg/L	Y	—	NQ	2013-951	CALA-13-33431	GELC
LLAO-4	5.24	04/09/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.98	—	—	1	µg/L	Y	—	NQ	12-1203	CALA-12-12554	GELC
LLAO-4	5.24	06/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.55	—	—	1	µg/L	Y	—	NQ	11-2719	CALA-11-14675	GELC
LLAO-4	5.24	08/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.79	—	—	1	µg/L	Y	—	NQ	10-4370	CALA-10-25246	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.7	—	—	0.01	SU	Y	H	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.3	—	—	0.725	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.4	—	—	0.725	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.3	—	—	0.725	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.5	—	—	0.725	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.5	—	—	0.725	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00199	0.00596	0.0368	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00284	0.00492	0.0432	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00758	0.0297	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00612	0.0079	0.037	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0132	0.005	0.014	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0605	—	—	0.017	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0305	—	—	0.017	mg/L	Y	J	U	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0476	—	—	0.017	mg/L	Y	J	J+	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0375	—	—	0.017	mg/L	Y	J	U	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.81	—	—	1.7	µg/L	Y	J	J	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42.6	—	—	1	µg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	49.6	—	—	1	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	47.8	—	—	1	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	49.9	—	—	1	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	51.7	—	—	1	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.4	—	—	15	µg/L	Y	J	J	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.4	—	—	15	µg/L	Y	J	J	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.7	—	—	15	µg/L	Y	J	J	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	37.9	—	—	15	µg/L	Y	J	J	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	38.3	—	—	15	µg/L	Y	J	J	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.181	—	—	0.067	mg/L	Y	J	J	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.159	—	—	0.067	mg/L	Y	J	J	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.142	—	—	0.067	mg/L	Y	J	J	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.146	—	—	0.067	mg/L	Y	J	J	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.19	—	—	0.067	mg/L	Y	J	J	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	27.6	—	—	0.05	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	27.9	—	—	0.05	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	27.9	—	—	0.05	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	30.4	—	—	0.05	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	28.4	—	—	0.05	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC

Table C-2 San Ildefonso Pueblo 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
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.61	1.49	5.37	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.92	0.955	3.66	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.633	1.58	5.86	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.59	1.7	5.7	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.485	2	6.4	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	15.5	—	—	0.335	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.5	—	—	0.335	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16	—	—	0.335	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	18.9	—	—	0.067	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	18.5	—	—	0.067	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.482	1.3	4.79	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.381	0.885	3.3	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.57	1.36	4.65	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0056	1.4	5.4	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.89	2.1	8	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.693	—	—	0.033	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.486	—	—	0.033	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.485	—	—	0.033	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.467	—	—	0.033	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.438	—	—	0.033	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.905	0.447	1.45	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.818	0.801	2.97	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.02	0.827	2.9	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.999	0.79	2.7	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.11	0.82	2.6	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.79	0.74	1.66	—	pCi/L	Y	—	NQ	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.04	0.504	1.32	—	pCi/L	Y	—	NQ	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.15	0.979	2.92	—	pCi/L	Y	—	NQ	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.09	1.1	2.5	—	pCi/L	Y	—	NQ	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.31	1.1	2.9	—	pCi/L	Y	—	NQ	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	101	—	—	0.453	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	102	—	—	0.453	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	102	—	—	0.453	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	111	—	—	0.453	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	104	—	—	0.453	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.75	—	—	0.11	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.86	—	—	0.11	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.76	—	—	0.11	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.47	—	—	0.11	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.95	—	—	0.11	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.33	—	—	0.165	µg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.22	—	—	0.165	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.3	—	—	0.165	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.47	—	—	0.165	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.34	—	—	0.165	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.231	2.73	9.59	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.36	1.97	6.64	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.03	2.92	9.99	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.02	3.5	11	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.19	4.1	14	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.604	—	—	0.5	µg/L	Y	J	J	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.804	—	—	0.5	µg/L	Y	J	J	2014-2698	CALA-14-46054	GELC

Table C-2 San Ildefonso Pueblo 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
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.31	—	—	0.5	µg/L	Y	J	J	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.64	—	—	0.5	µg/L	Y	J	J	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.17	—	—	0.5	µg/L	Y	J	J	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.44	—	—	0.17	mg/L	Y	—	J	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.6	—	—	0.085	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.78	—	—	0.17	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.53	—	—	0.17	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.35	—	—	0.05	mg/L	Y	—	NQ	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.89	—	—	0.5	µg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.66	—	—	0.5	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.48	—	—	0.5	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.38	—	—	0.5	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.25	—	—	0.5	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00247	0.00499	0.0275	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-4.24E-10	0.00509	0.0238	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00593	0.00593	0.043	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00229	0.004	0.027	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0114	0.006	0.039	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0102	0.00932	0.053	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0153	0.00881	0.0501	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00791	0.0074	0.033	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00686	0.0051	0.029	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00454	0.0056	0.056	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.49	—	—	0.05	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.27	—	—	0.05	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.66	—	—	0.05	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.23	—	—	0.05	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.43	—	—	0.05	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.6	16.4	63.1	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.19	14	48.3	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20	18.4	67.4	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.42	20	77	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.0819	27	100	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	40.2	—	—	0.053	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	45.3	—	—	0.053	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	42.4	—	—	0.053	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.9	—	—	0.053	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.3	—	—	0.053	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.1	—	—	0.1	mg/L	Y	N	J+	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.2	—	—	0.1	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.1	—	—	0.1	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0431	1.08	4.25	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.58	1.06	3.38	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.95	1.54	5.22	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.82	1.7	7.3	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.93	1.7	6.5	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	299	—	—	1	µS/cm	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	309	—	—	1	µS/cm	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	309	—	—	1	µS/cm	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	311	—	—	1	µS/cm	Y	—	NQ	2013-409	CALA-13-24550	GELC

Table C-2 San Ildefonso Pueblo 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
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	303	—	—	1	µS/cm	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	127	—	—	1	µg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	139	—	—	1	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	135	—	—	1	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	147	—	—	1	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	144	—	—	1	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0468	0.0967	0.357	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00638	0.132	0.472	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.231	0.148	0.492	—	pCi/L	Y	U	U	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0986	0.14	0.48	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.265	0.15	0.49	—	pCi/L	Y	U	U	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.7	—	—	0.665	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.7	—	—	0.665	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.3	—	—	0.665	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.4	—	—	0.133	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.2	—	—	0.133	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	—	3.4	mg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	194	—	—	3.4	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	—	3.4	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	210	—	—	3.4	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.616	—	—	0.33	mg/L	Y	J	J	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	12/17/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.31	—	—	0.33	mg/L	Y	—	NQ	2014-2698	CALA-14-46053	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.959	—	—	0.33	mg/L	Y	J	J	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	12/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.777	—	—	0.33	mg/L	Y	J	J	2013-409	CALA-13-24549	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.19	—	—	0.33	mg/L	Y	—	NQ	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0756	—	—	0.017	mg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.317	—	—	0.017	mg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.259	—	—	0.017	mg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.363	—	—	0.017	mg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	12/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.438	—	—	0.015	mg/L	Y	—	J	12-500	CAWR-12-1757	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	56.855	16.915	1.95	—	pCi/L	Y	—	J-	2014-3585	CALA-14-79460	ARSL
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	55.25	8.44	2.7	—	pCi/L	Y	—	J-	2013-948	CALA-13-33427	ARSL
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	62.506	9.487	2.189	—	pCi/L	Y	—	NQ	12-1208	CALA-12-12546	ARSL
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	60.51	9.71	8.18	—	pCi/L	Y	—	NQ	12-511	CAWR-12-1756	ARSL
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tri	Tritium	H-3	Y	62.7256	9.499	2.1896	—	pCi/L	Y	—	NQ	11-3081	CAWR-11-23212	ARSL
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.98	—	—	0.067	µg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.58	—	—	0.067	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.06	—	—	0.067	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.16	—	—	0.067	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.74	—	—	0.067	µg/L	Y	—	NQ	12-1209	CALA-12-12551	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.2	0.0556	0.0656	—	pCi/L	Y	—	NQ	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.977	0.0552	0.0665	—	pCi/L	Y	—	NQ	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.854	0.0487	0.0654	—	pCi/L	Y	—	J	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.782	0.069	0.059	—	pCi/L	Y	—	NQ	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.985	0.081	0.04	—	pCi/L	Y	—	NQ	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.047	0.0129	0.055	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GELC
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.015	0.00916	0.0517	—	pCi/L	Y	U	U	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0399	0.0124	0.0378	—	pCi/L	Y	—	NQ	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00552	0.0078	0.033	—	pCi/L	Y	U	U	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0312	0.0096	0.025	—	pCi/L	Y	—	NQ	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.674	0.0418	0.0368	—	pCi/L	Y	—	NQ	2014-3584	CALA-14-79460	GELC

Table C-2 San Ildefonso Pueblo 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
Vine Tree Spring	—	06/11/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.669	0.0454	0.0425	—	pCi/L	Y	—	NQ	2013-947	CALA-13-33427	GELC
Vine Tree Spring	—	04/10/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.548	0.0386	0.0421	—	pCi/L	Y	—	J	12-1209	CALA-12-12546	GELC
Vine Tree Spring	—	12/12/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.456	0.045	0.032	—	pCi/L	Y	—	NQ	12-500	CAWR-12-1756	GELC
Vine Tree Spring	—	08/08/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.519	0.048	0.031	—	pCi/L	Y	—	NQ	11-3080	CAWR-11-23212	GELC
Vine Tree Spring	—	06/18/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.94	—	—	1	µg/L	Y	—	NQ	2014-3584	CALA-14-79466	GELC
Vine Tree Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.06	—	—	1	µg/L	Y	—	NQ	2014-2698	CALA-14-46054	GELC
Vine Tree Spring	—	06/11/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.63	—	—	1	µg/L	Y	—	NQ	2013-947	CALA-13-33435	GELC
Vine Tree Spring	—	12/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.4	—	—	1	µg/L	Y	—	NQ	2013-409	CALA-13-24550	GELC
Vine Tree Spring	—	04/10/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.51	—	—	1	µg/L	Y	—	NQ	12-1209	CALA-12-12551	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	Uncertainty	Minimum Detectable Activity	Unit	Dilution Factor	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate Spring	Vine Tree Spring	—[a]	12/17/13	General Chemistry	Perchlorate	ClO4	F[b]	INIT[c]	REG[d]	Y[e]	5.66	0.5	—	—	µg/L	10	NQ[f]	NQ	Y	SW-846:6850	GELC[g]	4	Consent Order	1.42
Intermediate Spring	Vine Tree Spring	—	06/18/14	General Chemistry	Perchlorate	ClO4	F	INIT	REG	Y	5.89	0.5	—	—	µg/L	10	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	1.47
Regional Spring	La Mesita Spring	—	10/06/14	Rad[h]	Gross alpha	GROSSA	UF[i]	INIT	REG	Y	10.4	—	1.71	2.81	pCi/L	1	NQ	NQ	Y	EPA:900	GELC	15	EPA MCL[j]	0.69
Regional Spring	Sacred Spring	—	10/30/14	Metals	Manganese	Mn	F	INIT	REG	Y	679	2	—	—	µg/L	1	NQ	NQ	Y	SW-846:6010C	GELC	200	NMWQCC Groundwater Standard[k]	3.40
Regional Spring	Sacred Spring	—	10/30/14	Metals	Manganese	Mn	F	INIT	FD[l]	Y	706	2	—	—	µg/L	1	NQ	NQ	Y	SW-846:6010C	GELC	200	NMWQCC Groundwater Standard	3.53
Regional Spring	Spring 1	—	09/29/14	Metals	Arsenic	As	F	INIT	REG	Y	5.51	1.7	—	—	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	10	EPA MCL	0.55
Regional	R-34	883.7	05/09/14	Metals	Arsenic	As	F	INIT	REG	Y	6.74	1.7	—	—	µg/L	1	NQ	NQ	Y	SW-846:6020	GELC	10	EPA MCL	0.67

[a] — = None.

[b] F = Filtered.

[c] INIT = Initial.

[d] REG = Regular.

[e] Y = Yes.

[f] NQ = Not qualified.

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

[h] Rad = Radionuclides.

[i] UF = Unfiltered.

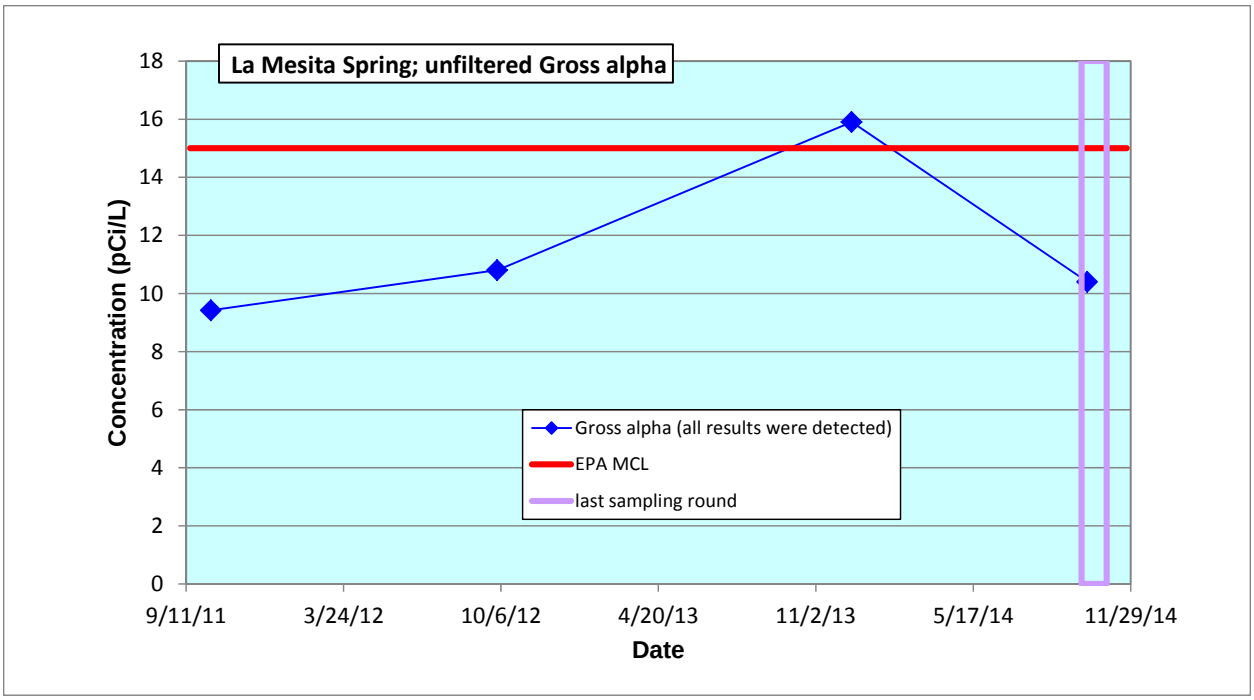
[j] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.

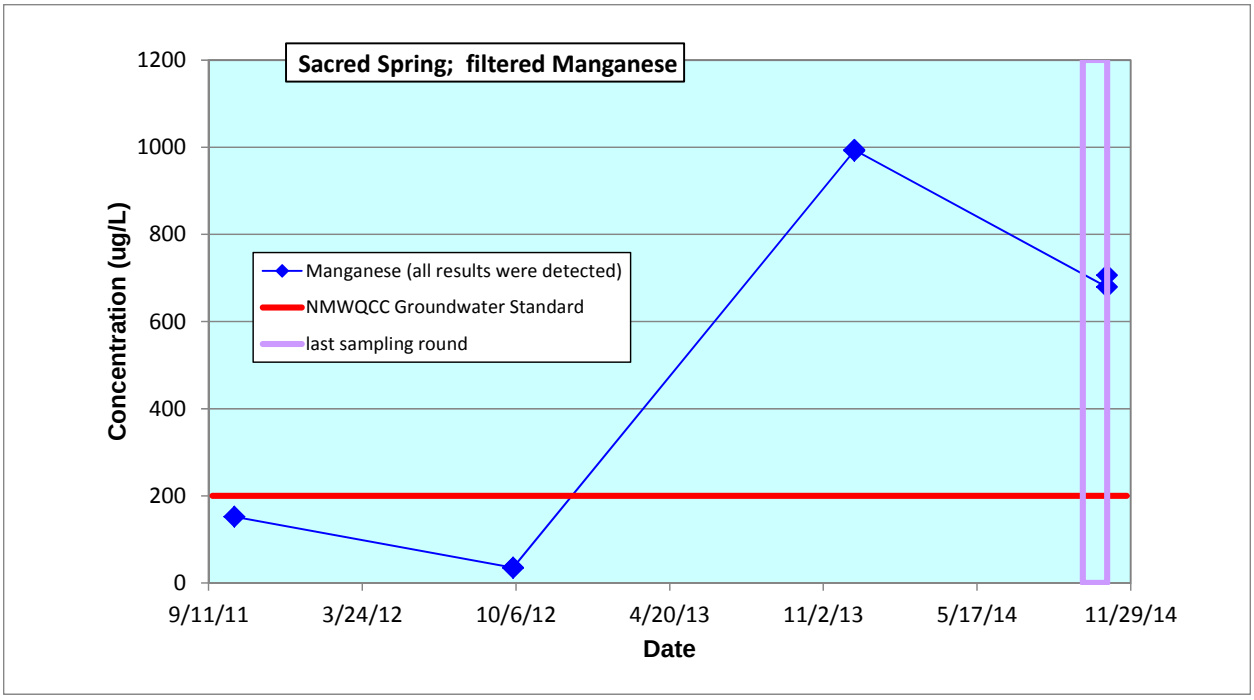
[k] NMWQCC Groundwater Standard = New Mexico Water Quality Control Commission groundwater standard.

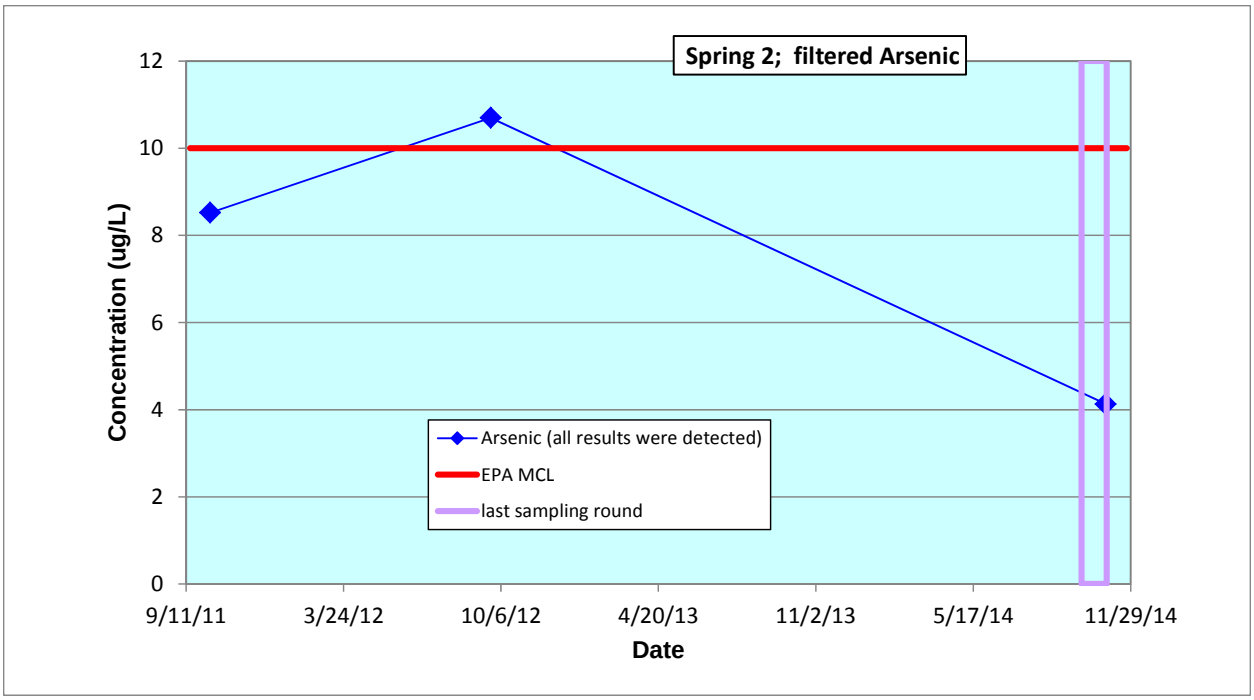
[l] FD = Field duplicate.

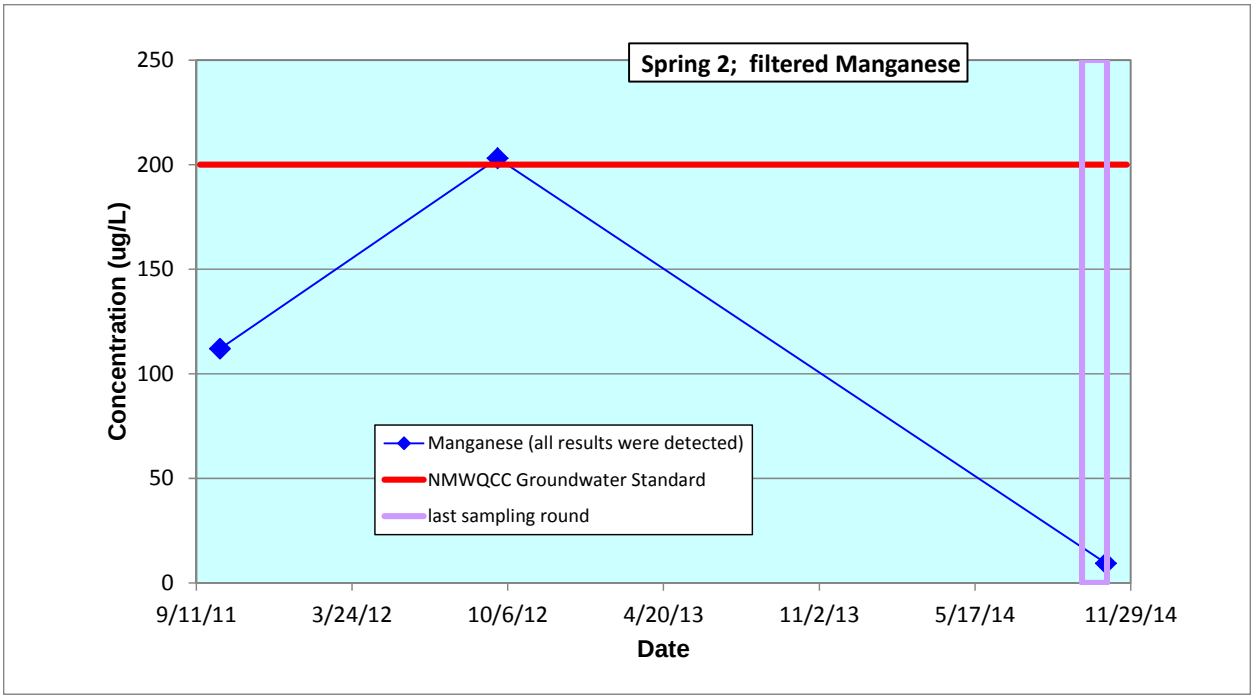
Appendix E

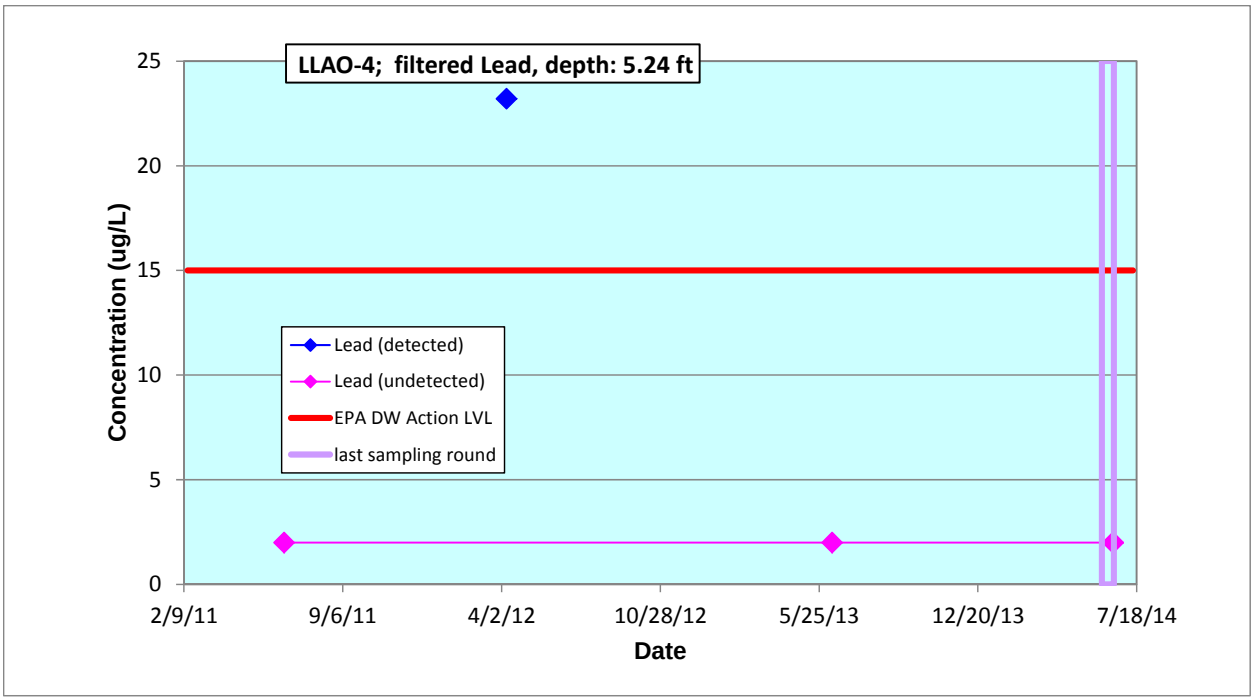
Analytical Chemistry Graphs of Screening-Level Exceedances

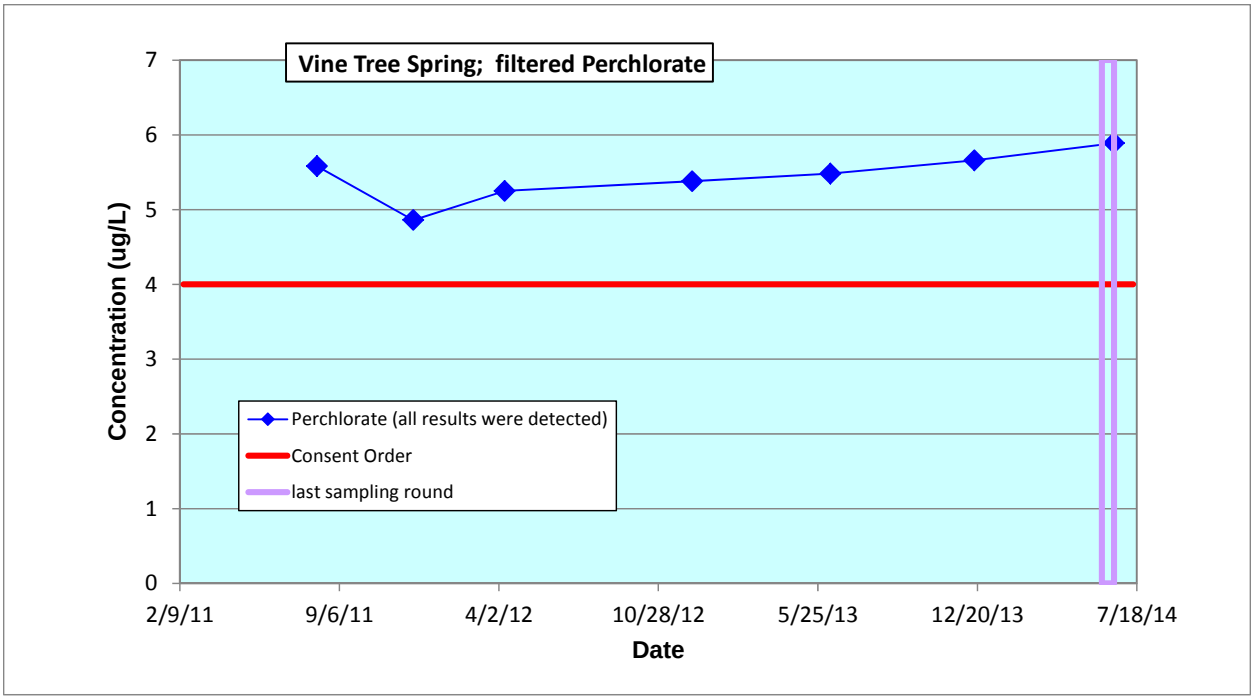

La Mesita Spring; unfiltered Gross alpha
Concentration (pCi/L)
18
16
14
12
10
8
6
4
2
0
9/11/11
3/24/12
10/6/12
4/20/13
11/2/13
5/17/14
11/29/14
Date
Gross alpha (all results were detected)
EPA MCL
last sampling round


Sacred Spring; filtered Manganese
Concentration (ug/L)
1200
1000
800
600
400
200
0
9/11/11
3/24/12
10/6/12
4/20/13
11/2/13
5/17/14
11/29/14
Date
Manganese (all results were detected)
NMWQCC Groundwater Standard
last sampling round


Spring 2; filtered Arsenic
Concentration (ug/L)
12
10
8
6
4
2
0
9/11/11
3/24/12
10/6/12
4/20/13
11/2/13
5/17/14
11/29/14
Date
Arsenic (all results were detected)
EPA MCL
last sampling round


Spring 2; filtered Manganese
Concentration (ug/L)
250
200
150
100
50
0
9/11/11
3/24/12
10/6/12
4/20/13
11/2/13
5/17/14
11/29/14
Date
Manganese (all results were detected)
NMWQCC Groundwater Standard
last sampling round


LLAO-4; filtered Lead, depth: 5.24 ft
Concentration (ug/L)
25
20
15
10
5
0
Lead (detected)
Lead (undetected)
EPA DW Action LVL
last sampling round
2/9/11
9/6/11
4/2/12
10/28/12
5/25/13
12/20/13
7/18/14
Date


Vine Tree Spring; filtered Perchlorate
Concentration (ug/L)
7
6
5
4
3
2
1
0
Perchlorate (all results were detected)
Consent Order
last sampling round
2/9/11
9/6/11
4/2/12
10/28/12
5/25/13
12/20/13
7/18/14
Date

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)
2014-2698	Inorganic	GELC[a]	CALA-14-46053	12/17/13	Vine Tree Spring	—[b]	—
2014-2698	Inorganic	GELC	CALA-14-46054	12/17/13	Vine Tree Spring	—	—
2014-2698	Organic	GELC	CALA-14-46053	12/17/13	Vine Tree Spring	—	—
2014-2723	Inorganic	GELC	CAMO-14-45694	12/19/13	R-34	883.7	906.6
2014-2723	Inorganic	GELC	CAMO-14-45690	12/19/13	R-34	883.7	906.6
2014-2789	Inorganic	GELC	CAMO-14-53218	01/17/14	R-34	883.7	906.6
2014-2789	Inorganic	GELC	CAMO-14-53219	01/17/14	R-34	883.7	906.6
2014-3375	Inorganic	GELC	CAMO-14-75544	05/09/14	R-34	883.7	906.6
2014-3375	Inorganic	GELC	CAMO-14-75548	05/09/14	R-34	883.7	906.6
2014-3574	Inorganic	GELC	CALA-14-79458	06/17/14	LLAO-4	5.24	15.24
2014-3574	Inorganic	GELC	CALA-14-79447	06/17/14	LLAO-4	5.24	15.24
2014-3574	Inorganic	GELC	CALA-14-79448	06/17/14	LLAO-4	5.24	15.24
2014-3574	Inorganic	GELC	CALA-14-79464	06/17/14	LLAO-4	5.24	15.24
2014-3574	Organic	GELC	CALA-14-79458	06/17/14	LLAO-4	5.24	15.24
2014-3574	Organic	GELC	CALA-14-79447	06/17/14	LLAO-4	5.24	15.24
2014-3574	Rad[c]	GELC	CALA-14-79458	06/17/14	LLAO-4	5.24	15.24
2014-3574	Rad	GELC	CALA-14-79447	06/17/14	LLAO-4	5.24	15.24
2014-3584	Inorganic	GELC	CALA-14-79460	06/18/14	Vine Tree Spring	—	—
2014-3584	Inorganic	GELC	CALA-14-79466	06/18/14	Vine Tree Spring	—	—
2014-3584	Organic	GELC	CALA-14-79460	06/18/14	Vine Tree Spring	—	—
2014-3584	Rad	GELC	CALA-14-79460	06/18/14	Vine Tree Spring	—	—
2014-3585	Rad	ARSL[d]	CALA-14-79460	06/18/14	Vine Tree Spring	—	—
2014-4642	Inorganic	GELC	CAWR-14-86942	09/29/14	Spring 1	—	—
2014-4642	Inorganic	GELC	CAWR-14-86969	09/29/14	Spring 1	—	—
2014-4642	Organic	GELC	CAWR-14-86942	09/29/14	Spring 1	—	—
2014-4642	Organic	GELC	CAWR-14-86943	09/29/14	Spring 2	—	—
2014-4642	Organic	GELC	CAWR-14-86892	09/29/14	Spring 1	—	—
2014-4642	Organic	GELC	CAWR-14-87098	09/29/14	Spring 2	—	—
2014-4642	Rad	GELC	CAWR-14-86942	09/29/14	Spring 1	—	—
2014-4644	Organic	SHEALY[e]	CAWR-14-86942	09/29/14	Spring 1	—	—
2014-4644	Organic	SHEALY	CAWR-14-86943	09/29/14	Spring 2	—	—
2014-4644	Organic	SHEALY	CAWR-14-86892	09/29/14	Spring 1	—	—
2014-4644	Organic	SHEALY	CAWR-14-87098	09/29/14	Spring 2	—	—
2015-187	Inorganic	GELC	CAWR-14-89231	10/29/14	Spring 2	—	—
2015-187	Inorganic	GELC	CAWR-14-89235	10/29/14	Spring 2	—	—
2015-187	Organic	GELC	CAWR-14-89231	10/29/14	Spring 2	—	—
2015-187	Organic	GELC	CAWR-14-89228	10/29/14	La Mesita Spring	—	—

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2015-187	Rad	GELC	CAWR-14-89231	10/29/14	Spring 2	—	—
2015-197	Rad	ARSL	CAWR-14-89231	10/29/14	Spring 2	—	—
2015-200	Organic	SHEALY	CAWR-14-89229	10/30/14	Sacred Spring	—	—
2015-200	Organic	SHEALY	CAWR-14-89222	10/30/14	Sacred Spring	—	—
2015-207	Inorganic	GELC	CAWR-14-89229	10/30/14	Sacred Spring	—	—
2015-207	Inorganic	GELC	CAWR-14-89236	10/30/14	Sacred Spring	—	—
2015-207	Inorganic	GELC	CAWR-14-89222	10/30/14	Sacred Spring	—	—
2015-207	Inorganic	GELC	CAWR-14-89223	10/30/14	Sacred Spring	—	—
2015-207	Organic	GELC	CAWR-14-89229	10/30/14	Sacred Spring	—	—
2015-207	Organic	GELC	CAWR-14-89222	10/30/14	Sacred Spring	—	—
2015-207	Rad	GELC	CAWR-14-89229	10/30/14	Sacred Spring	—	—
2015-207	Rad	GELC	CAWR-14-89222	10/30/14	Sacred Spring	—	—
2015-230	Rad	ARSL	CAWR-14-89229	10/30/14	Sacred Spring	—	—
2015-230	Rad	ARSL	CAWR-14-89222	10/30/14	Sacred Spring	—	—
2015-4	Rad	ARSL	CAWR-14-86942	09/29/14	Spring 1	—	—
2015-40	Inorganic	GELC	CAWR-14-86939	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-40	Inorganic	GELC	CAWR-14-86962	10/06/14	La Mesita Spring	—	—
2015-40	Inorganic	GELC	CAWR-14-86880	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-40	Inorganic	GELC	CAWR-14-86966	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-40	Inorganic	GELC	CAWR-14-86884	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-40	Inorganic	GELC	CAWR-14-86935	10/06/14	La Mesita Spring	—	—
2015-40	Organic	GELC	CAWR-14-86880	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-40	Organic	GELC	CAWR-14-86939	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-40	Organic	GELC	CAWR-14-86935	10/06/14	La Mesita Spring	—	—
2015-40	Rad	GELC	CAWR-14-86939	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-40	Rad	GELC	CAWR-14-86880	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-40	Rad	GELC	CAWR-14-86935	10/06/14	La Mesita Spring	—	—
2015-43	Organic	CFA[f]	CAWR-14-86880	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-43	Organic	CFA	CAWR-14-86939	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-44	Organic	SHEALY	CAWR-14-86880	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-44	Organic	SHEALY	CAWR-14-86939	10/06/14	Rio Grande at Otowi Bridge	—	—
2015-44	Organic	SHEALY	CAWR-14-86935	10/06/14	La Mesita Spring	—	—
2015-49	Rad	ARSL	CAWR-14-86935	10/06/14	La Mesita Spring	—	—

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

[b] — = Not applicable.

[c] Rad = Radiochemistry (not gamma).

[d] ARSL = American Radiation Services, Inc.

[e] SHEALY = Shealy Environmental Services, Inc.

[f] CFA = Cape Fear Analytical, LLC.