LA-UR-15-29605
February 2016
EP2015-0208

Periodic Monitoring Report for White Rock Canyon General Surveillance Monitoring Group, First Quarter, Monitoring Year 2016

Los Alamos
NATIONAL LABORATORY
EST. 1943

Prepared by the Associate Directorate for Environmental Management

Los Alamos National Laboratory, operated by Los Alamos National Security, LLC, for the U.S. Department of Energy (DOE) under Contract No. DE-AC52-06NA253 and under DOE Office of Environmental Management Contract No. DE-EM0003528, has prepared this document pursuant to the Compliance Order on Consent, signed March 1, 2005. The Compliance Order on Consent contains requirements for the investigation and cleanup, including corrective action, of contamination at Los Alamos National Laboratory.

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EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the monitoring year 2016, first quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the White Rock Canyon General Surveillance monitoring group. This PME was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2016 Monitoring Year, October 2015–September 2016, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from October 5 to October 16, 2015, and included the monitoring of 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.

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 (dissolved oxygen, oxidation-reduction potential, pH, specific conductance, temperature, and turbidity).

No results from previous PME surface-water samples reported in this PMR are above applicable screening levels. No results from surface-water locations sampled during the current PME were above applicable screening levels.

No results from previous sampling of PME groundwater monitoring locations are reported in this PMR. Two results from groundwater locations sampled during the current PME were above applicable screening levels.

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Acronyms and Abbreviations

AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
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.)
EPA	Environmental Protection Agency (U.S.)
ESH	Environment, Safety, and Health (Directorate)
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)
NMAC	New Mexico Administrative 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
QC	quality control
SOP	standard operating procedure
SWMU	solid waste management unit
TA	technical area
Y	yes (best value flag code)

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of monitoring year 2016, first quarter, annual groundwater and surface-water monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the White Rock Canyon General Surveillance monitoring group. Monitoring was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2016 Monitoring Year, October 2015–September 2016 (2016 IFGMP) (LANL 2015, 600467), which was prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from October 5 to October 16, 2015, and included sampling of 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 regulatory standards and results from previous reports)
- a summary based on the data and the screening analysis

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

1.1 Background

Most of the monitoring wells discussed in the 2016 IFGMP (LANL 2015, 600467) 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 White Rock Canyon portion of the General Surveillance monitoring group.

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 some 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 Technical Area 33 (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 solid waste management units (SWMUs) and areas of concern (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 PME for the White Rock Canyon General Surveillance monitoring group was conducted pursuant to the 2016 IFGMP (LANL 2015, 600467).

Table 2.0-1 provides the location name, sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge rate for each of the 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 2016 IFGMP (LANL 2015, 600467).

3.2 Field Parameter Results

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

3.3 Groundwater Elevations

No information regarding water-level observations is included in this report because no groundwater monitoring wells are sampled in the White Rock Canyon General Surveillance monitoring group. 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 current PME.

Table 3.4-2 presents a list of analytes with method detection limits (MDLs) greater than screening levels for the current PME. Some of the analytes were measured using more than one analytical method or analytical laboratory, leading to a range of MDLs. For some of these analytes, the MDL is much lower than for earlier analyses. Table 3.4-3 presents a list of analytes with MDLs 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 2016 IFGMP (LANL 2015, 600467). Purge water is managed and characterized in accordance with the waste characterization strategy form associated with the well and ENV-RCRA-QP-010.3, Land Application of Groundwater. ENV-RCRA-QP-010.3 implements the NMED-approved 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, 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) 6.4.900.
- 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 June 2015 EPA regional screening levels.
- 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 radionuclides and radioactivity are voluntarily compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Technical Standards (DCSs) for groundwater but are not reported in Table 4.2-3 or Appendix D.

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 are included in the table except for field duplicate exceedances. For example, if aluminum was detected above a screening level in both a primary sample and a field duplicate, only the primary sample result is shown. If aluminum was detected above a screening level in two primary samples, both results are 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 level 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 reported in this PMR are above applicable screening levels. No results from surface-water samples collected during this PME were above screening levels.

4.2.2 Groundwater

No results from previous sampling of PME groundwater monitoring locations are reported in this PMR.

For the current PME, the dibenz(a,h)anthracene concentration for La Mesita Spring was 0.0737 µg/L. This result exceeds the 0.034-µg/L screening level for dibenz(a,h)anthracene, which is an EPA tap water screening level. Previous results since 2005 for dibenz(a,h)anthracene in unfiltered samples from La Mesita Spring include eight nondetects (<1.43 µg/L) and one detect at 1.63 µg/L on September 9, 2009.

For the current PME, the manganese concentration from a filtered sample from Sacred Spring was 298 µg/L. This result exceeds the 200-µg/L screening level for manganese, which is an NMWQCC groundwater standard. Previous results since 2005 for manganese in filtered samples from Sacred Spring range from 35.1 µg/L to 994 µg/L. The lowest and highest values were observed in samples obtained from Sacred Spring on October 3, 2012, and December 12, 2013, respectively.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the White Rock Canyon 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 reported in this PMR are above screening levels. No results from surface-water locations sampled during the current PME were above applicable screening levels.

5.2.2 Groundwater

No results from previous sampling of PME groundwater monitoring locations are reported in this PMR.

Two groundwater monitoring locations (La Mesita Spring and Sacred Spring) sampled during the current PME were above applicable screening levels (Table 4.2-3). The dibenz(a,h)anthracene concentration

observed at La Mesita Spring and the manganese concentration observed at Sacred Spring are both consistent with data reported from previous PMEs for these locations.

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 White Rock Canyon 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.

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

LANL (Los Alamos National Laboratory), May 2015. "Interim Facility-Wide Groundwater Monitoring Plan for the 2016 Monitoring Year, October 2015–September 2016," Los Alamos National Laboratory document LA-UR-15-23276, Los Alamos, New Mexico. (LANL 2015, 600467)

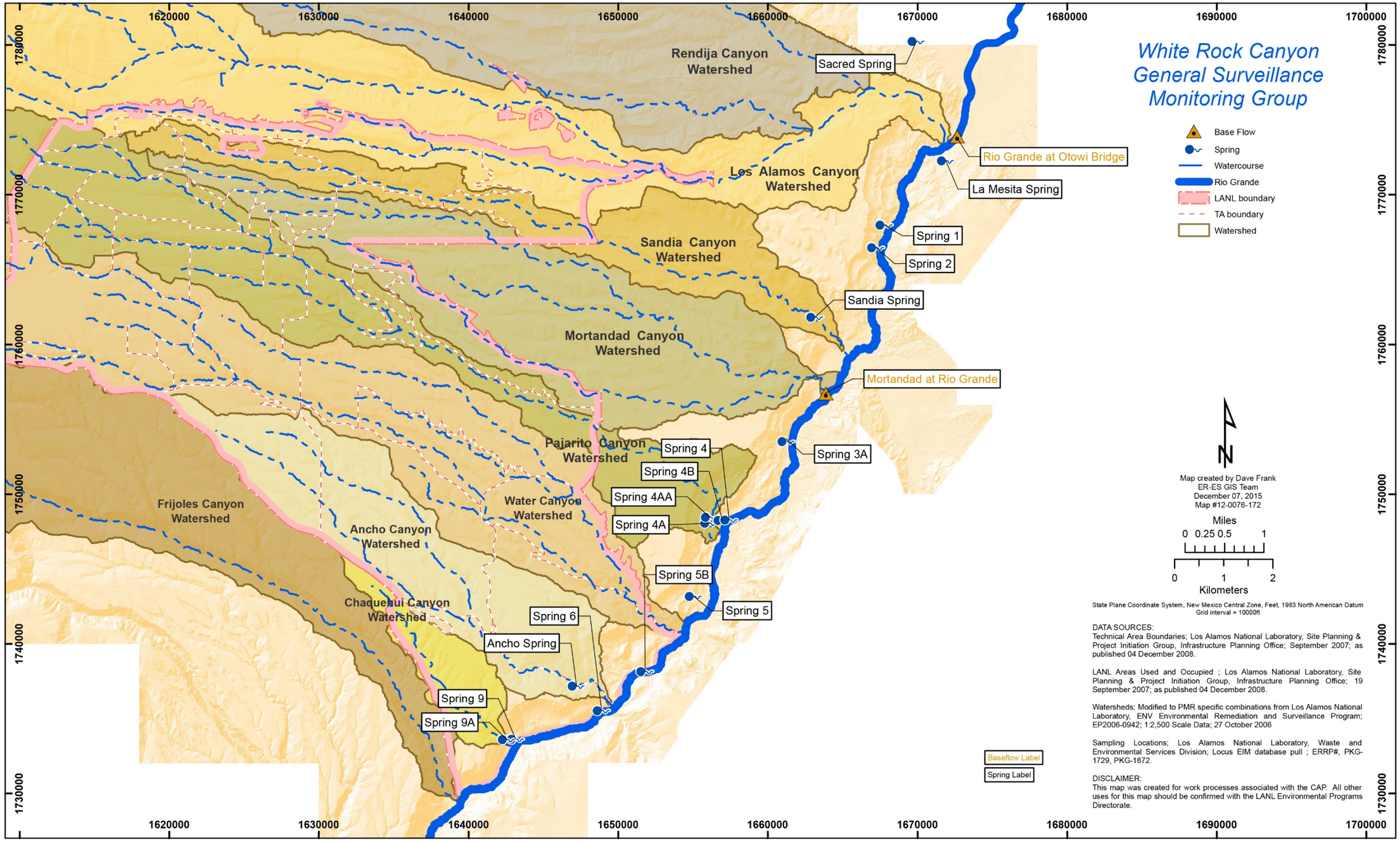


Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 2.0-1).

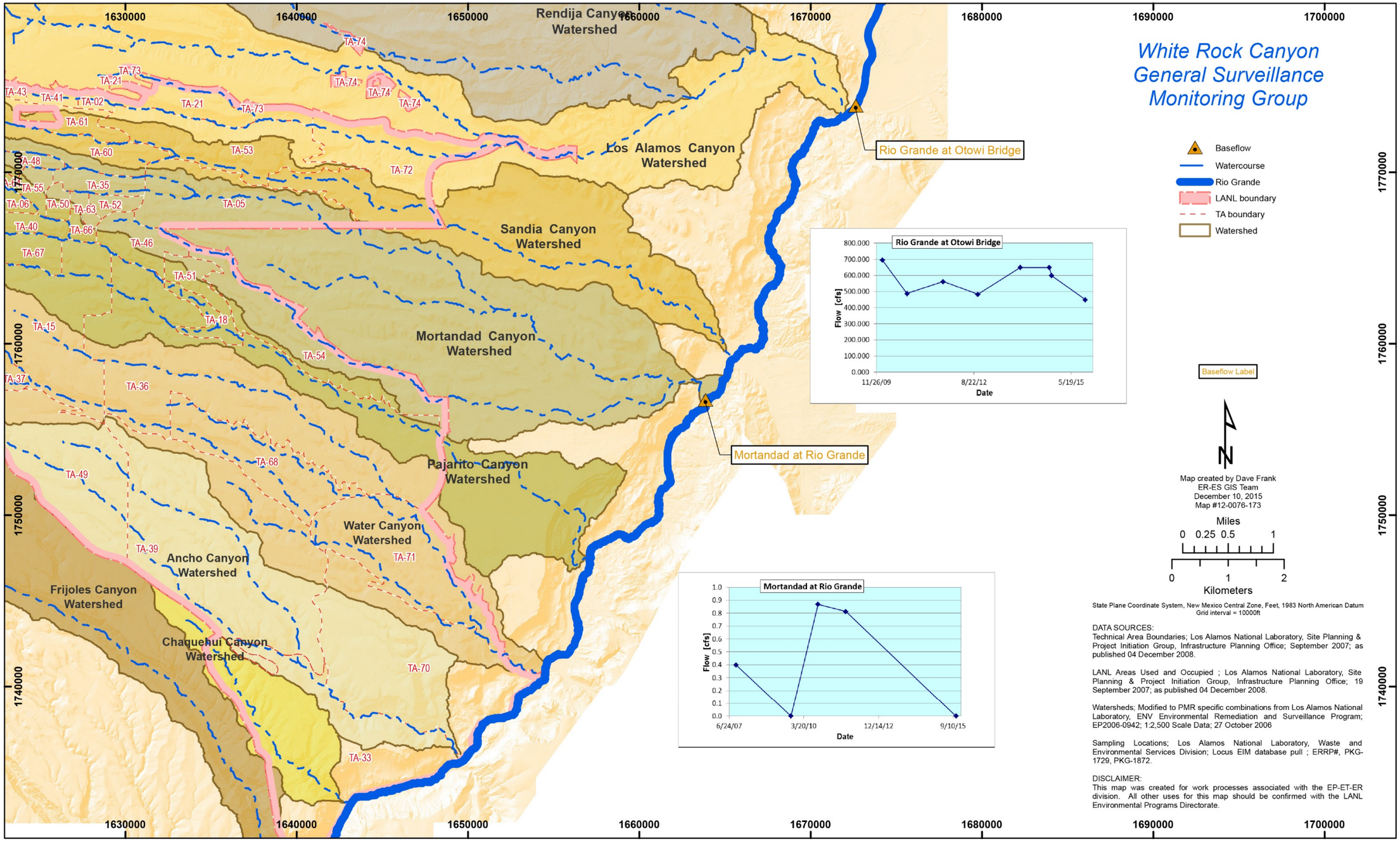


Figure 3.3-1 Base-flow measurements

Table 2.0-1
White Rock Canyon General Surveillance
Monitoring Group Locations and General Information

Location	Sample Collection Date	Flow (gpm[a])
Base Flow		
Mortandad at Rio Grande	n/a[b]	n/a
Rio Grande at Otowi Bridge	10/09/15	201,974
Springs		
Ancho Spring	10/05/15	1.90
La Mesita Spring	10/14/15	0.13
Sacred Spring	10/14/15	0.48
Sandia Spring	n/a	n/a
Spring 1	10/09/15	1.66
Spring 2	10/09/15	0.17
Spring 3A	10/08/15	28.30
Spring 4	10/13/15	23.00
Spring 4A	10/08/15	1.40
Spring 4AA	10/13/15	5.07
Spring 4B	10/15/15	0.40
Spring 5	10/07/15	4.80
Spring 5B	10/07/15	2.66
Spring 6	10/05/15	0.53
Spring 9	10/06/15	0.30
Spring 9A	10/06/15	2.50

[a] gpm =Gallons per minute.

[b] n/a = Not applicable. See Table.3.4-1 for explanation.

Table 3.4-1
White Rock Canyon 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.	The location will be sampled during next scheduled PME.
Sandia Spring	No data are included in this report for this location.	The site was dry, so no sample was collected.	The location will be sampled during next scheduled PME.

Table 3.4-2
Target Analytes with MDLs above Screening Levels for Current PME

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Pesticides/PCBs						
Hexachlorobenzene	0.00638–0.00651	SW-846:8081B	0.0029	µg/L	NM HH OO[a]	GELC[b]
Semivolatile Organic Compounds						
Atrazine	1500–1790	SW-846:8270D	3	ng/L[c]	EPA MCL[d]	GELC
Azobenzene	1.5–1.79	SW-846:8270D	1.2	µg/L	EPA TAP SCRN LVL[e]	GELC
Benzidine	0.83–2.32	SW-846:8270DGCMS_SIM, SW-846:8270D	0.0011–0.002	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Benzo(a)anthracene	0.15–0.179	SW-846:8270D	0.12	µg/L	EPA TAP SCRN LVL	GELC
Bis(2-chloroethyl)ether	1.5–1.79	SW-846:8270D	0.14	µg/L	EPA TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.0349–0.179	SW-846:8270DGCMS_SIM, SW-846:8270D	0.034	µg/L	EPA TAP SCRN LVL	GELC
Dichlorobenzidine[3,3'-]	1.5–1.79	SW-846:8270D	0.28–1.2	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Dinitro-2-methylphenol[4,6-]	1.55–1.79	SW-846:8270D	1.5	µg/L	EPA TAP SCRN LVL	GELC
Hexachlorobenzene	1.5–1.79	SW-846:8270D	0.0029–1	µg/L	EPA MCL, NM HH OO	GELC
Nitrosodiethylamine[N-]	0.03–1.79	SW-846:8270DGCMS_SIM, SW-846:8270D	0.0017	µg/L	EPA TAP SCRN LVL	GELC
Nitrosodimethylamine[N-]	0.07–1.79	SW-846:8270DGCMS_SIM, SW-846:8270D	0.00112	µg/L	EPA TAP SCRN LVL	GELC
Nitroso-di-n-butylamine[N-]	0.03–1.79	SW-846:8270DGCMS_SIM, SW-846:8270D	0.027	µg/L	EPA TAP SCRN LVL	GELC
Nitroso-di-n-propylamine[N-]	1.5–1.79	SW-846:8270D	0.11	µg/L	EPA TAP SCRN LVL	GELC
Nitrosopyrrolidine[N-]	1.5–1.79	SW-846:8270D	0.37	µg/L	EPA TAP SCRN LVL	GELC
Pentachlorophenol	1.5–1.79	SW-846:8270D	1	µg/L	EPA MCL	GELC

Table 3.4-2 (continued)

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Volatile Organic Compounds						
Acrolein	0.5–1.5	SW-846:8260B_SIM, SW-846:8260B	0.042	µg/L	EPA TAP SCRN LVL	GELC
Acrylonitrile	1	SW-846:8260B	0.52	µg/L	EPA TAP SCRN LVL	GELC
Chloro-1,3-butadiene[2-]	0.2	SW-846:8260B	0.19	µg/L	EPA TAP SCRN LVL	GELC
Trichloropropane[1,2,3-]	0.0192–0.3	SW-846:8011, SW-846:8260B	0.0075	µg/L	EPA TAP SCRN LVL	GELC

Note: This table is applicable to samples reported in this PMR.

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

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

[c] ng/L = Nanograms per liter.

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

[e] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.

Table 3.4-3
Target Analytes with MDLs below Screening Levels for Current PME

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Herbicides						
Pentachlorophenol	0.0842–0.0896	SW-846:8081B, SW-846:8270D	1–15	µg/L	EPA MCL[a], NM Aqu Chronic[b]	GELC[c]
Pesticides and PCBs						
Hexachlorobenzene	0.00638–0.00718	SW-846:8270D	1	µg/L	EPA MCL	GELC
Semivolatile Organic Compounds						
Benzo(a)anthracene	0.03–0.153	SW-846:8270D, SW-846:8270DGCMS_SIM	0.12–0.18	µg/L	EPA TAP SCRN LVL[d], NM HH OO[e]	GELC
Benzo(a)pyrene	0.03–0.179	SW-846:8270DGCMS_SIM, SW-846:8270D	0.18–0.2	µg/L	EPA MCL, NM HH OO	GELC
Benzo(b)fluoranthene	0.03–0.179	SW-846:8270D, SW-846:8270DGCMS_SIM	0.18–0.34	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Bis(2-chloroethyl)ether	0.03–1.53	SW-846:8270D	0.14–5.3	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Dibenz(a,h)anthracene	0.03–0.153	SW-846:8270D	0.034–0.18	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Dichlorobenzidine[3,3'-]	0.039–0.0453	SW-846:8270D	0.28–1.2	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Dinitro-2-methylphenol[4,6-]	1.5–1.53	SW-846:8270D	1.5–280	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Indeno(1,2,3-cd)pyrene	0.03–0.179	SW-846:8270D, SW-846:8270DGCMS_SIM	0.18–0.34	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Nitrosodimethylamine[N-]	0.0714–1.53	SW-846:8270D	30	µg/L	NM HH OO	GELC
Nitroso-di-n-propylamine[N-]	0.03–1.53	SW-846:8270D, SW-846:8270DGCMS_SIM	0.11–5.1	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Nitrosopyrrolidine[N-]	0.03–0.0349	SW-846:8270D	0.37	µg/L	EPA TAP SCRN LVL	GELC
Oxybis(1-chloropropane)[2,2'-]	1.5–1.79	SW-846:8270D, SW-846:8270DGCMS_SIM	3.6–65000	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Pentachlorophenol	1.53	SW-846:8270D	15	µg/L	NM Aqu Chronic	GELC

Table 3.4-3 (continued)

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Volatile Organic Compounds						
Acrolein	0.5–1.5	SW-846:8270D	9	µg/L	NM HH OO	GELC
Acrylonitrile	0.5–1	SW-846:8270D	0.52–2.5	µg/L	EPA TAP SCRN LVL, NM HH OO	GELC
Chloro-1,3-butadiene[2-]	0.1	SW-846:8270D	0.19	µg/L	EPA TAP SCRN LVL	GELC
Dibromo-3-Chloropropane[1,2-]	0.00909–0.00954	SW-846:8270D	0.2	µg/L	EPA MCL	GELC
Dibromoethane[1,2-]	0.00909–0.00954	SW-846:8270D	0.05	µg/L	EPA MCL	GELC
Methacrylonitrile	1	SW-846:8270D	1.9	µg/L	EPA TAP SCRN LVL	GELC

Note: This table is applicable to samples reported in this PMR.

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

[b] NM AQU Chronic = Aquatic Life Chronic, New Mexico surface-water standards.

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

[d] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.

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

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 6.2.3103	NMWQCC Groundwater Standard	X	n/a
20 NMAC 6.4.900.C	NMWQCC Irrigation Standard	n/a	X
20 NMAC 6.4.900.F	NMWQCC Livestock Watering Standard	n/a	X
20 NMAC 6.4.900.G	NMWQCC Wildlife Habitat Standard	n/a	X
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Acute	n/a	X[d,e]
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Chronic	n/a	X[d,e]
20 NMAC 6.4.900.H	NMWQCC Aquatic Life 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.

[d] Hardness-based standards for total recoverable aluminum and dissolved chromium(III) conservatively compared with results for total aluminum and dissolved chromium, respectively.

[e] Standard for dissolved chromium(VI) conservatively compared with results for dissolved chromium.

Table 4.2-2
Base-Flow Location Type and Hardness Assignments Used to Select Screening Levels

Watershed	Location	Stream Type	Hardness (mg/L as $CaCO_3$)
White Rock	Rio Grande at Otowi Bridge	Perennial	100

Table 4.2-3
White Rock Canyon General Surveillance Monitoring Group Groundwater Results above Screening Levels

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Regional Spring Groundwater							
La Mesita Spring	10/14/15	Dibenz(a,h)anthracene	UF[a]	0.0737	µg/L	0.034	EPA tap water screening level
Sacred Spring	10/14/15	Manganese	F[b]	298	µg/L	200	NMWQCC groundwater standard

[a] UF = Unfiltered.

[b] 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
Ancho Spring	—[a]	10/05/15	WG[b]	Dissolved Oxygen	5.05	mg/L	CAWR-16-104418
Ancho Spring	—	09/30/14	WG	Dissolved Oxygen	7.16	mg/L	CAWR-14-86891
Ancho Spring	—	09/30/14	WG	Dissolved Oxygen	1.39	mg/L	CAWR-14-86933
Ancho Spring	—	12/10/13	WG	Dissolved Oxygen	7.22	mg/L	CAWR-13-42144
Ancho Spring	—	09/25/12	WG	Dissolved Oxygen	5.62	mg/L	CAWR-12-23427
Ancho Spring	—	10/07/11	WG	Dissolved Oxygen	6.51	mg/L	CAWR-11-28027
Ancho Spring	—	10/05/15	WG	Flow (in gpm[c])	1.9	gpm	CAWR-16-104418
Ancho Spring	—	09/30/14	WG	Flow (in gpm)	4.5	gpm	CAWR-14-86891
Ancho Spring	—	09/30/14	WG	Flow (in gpm)	4.5	gpm	CAWR-14-86933
Ancho Spring	—	10/07/11	WG	Flow (in gpm)	2.03	gpm	CAWR-11-28027
Ancho Spring	—	09/28/10	WG	Flow (in gpm)	12	gpm	CAWR-10-25326
Ancho Spring	—	09/29/09	WG	Flow (in gpm)	20	gpm	CAWR-09-12539
Ancho Spring	—	10/05/15	WG	pH	7.25	SU[d]	CAWR-16-104418
Ancho Spring	—	09/30/14	WG	pH	8.39	SU	CAWR-14-86891
Ancho Spring	—	09/30/14	WG	pH	8.39	SU	CAWR-14-86933
Ancho Spring	—	12/10/13	WG	pH	8.03	SU	CAWR-13-42144
Ancho Spring	—	09/25/12	WG	pH	7.8	SU	CAWR-12-23427
Ancho Spring	—	10/07/11	WG	pH	7.34	SU	CAWR-11-28027
Ancho Spring	—	10/05/15	WG	Specific Conductance	142	µS/cm	CAWR-16-104418
Ancho Spring	—	09/30/14	WG	Specific Conductance	139	µS/cm	CAWR-14-86891
Ancho Spring	—	09/30/14	WG	Specific Conductance	139	µS/cm	CAWR-14-86933
Ancho Spring	—	12/10/13	WG	Specific Conductance	133	µS/cm	CAWR-13-42144
Ancho Spring	—	09/25/12	WG	Specific Conductance	122	µS/cm	CAWR-12-23427
Ancho Spring	—	10/07/11	WG	Specific Conductance	137	µS/cm	CAWR-11-28027
Ancho Spring	—	10/05/15	WG	Temperature	21.14	deg C	CAWR-16-104418
Ancho Spring	—	09/30/14	WG	Temperature	21.26	deg C	CAWR-14-86891
Ancho Spring	—	09/30/14	WG	Temperature	21.26	deg C	CAWR-14-86933
Ancho Spring	—	12/10/13	WG	Temperature	19.42	deg C	CAWR-13-42144

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Ancho Spring	—	09/25/12	WG	Temperature	20.99	deg C	CAWR-12-23427
Ancho Spring	—	10/07/11	WG	Temperature	19.83	deg C	CAWR-11-28027
Ancho Spring	—	10/05/15	WG	Turbidity	14.4	NTU[e]	CAWR-16-104418
Ancho Spring	—	09/30/14	WG	Turbidity	2.5	NTU	CAWR-14-86891
Ancho Spring	—	09/30/14	WG	Turbidity	2.5	NTU	CAWR-14-86933
Ancho Spring	—	12/10/13	WG	Turbidity	2	NTU	CAWR-13-42144
Ancho Spring	—	09/25/12	WG	Turbidity	0.77	NTU	CAWR-12-23427
Ancho Spring	—	10/07/11	WG	Turbidity	0.69	NTU	CAWR-11-28027
La Mesita Spring	—	10/14/15	WG	Dissolved Oxygen	7.19	mg/L	CAWR-16-104419
La Mesita Spring	—	10/29/14	WG	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	—	10/14/15	WG	Flow (in gpm)	0.13	gpm	CAWR-16-104419
La Mesita Spring	—	10/29/14	WG	Flow (in gpm)	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	—	10/14/15	WG	pH	7.58	SU	CAWR-16-104419
La Mesita Spring	—	10/29/14	WG	pH	7.69	SU	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	—	10/14/15	WG	Specific Conductance	322	µS/cm	CAWR-16-104419
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
La Mesita Spring	—	10/14/15	WG	Temperature	14.05	deg C	CAWR-16-104419
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	—	10/14/15	WG	Turbidity	5.5	NTU	CAWR-16-104419
La Mesita Spring	—	10/29/14	WG	Turbidity	7.2	NTU	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
Rio Grande at Otowi Bridge	—	10/09/15	WS	Dissolved Oxygen	8.56	mg/L	CAWR-16-104421
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	—	10/09/15	WS	pH	8.02	SU	CAWR-16-104421
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	—	10/09/15	WS	Specific Conductance	350	µS/cm	CAWR-16-104421
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	—	10/09/15	WS	Temperature	17.68	deg C	CAWR-16-104421
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	—	10/09/15	WS	Turbidity	34.7	NTU	CAWR-16-104421
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
Sacred Spring	—	10/14/15	WG	Dissolved Oxygen	1.25	mg/L	CAWR-16-104422
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	—	10/14/15	WG	Flow (in gpm)	0.48	gpm	CAWR-16-104422
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	—	10/14/15	WG	pH	7.28	SU	CAWR-16-104422
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	—	10/14/15	WG	Specific Conductance	295	µS/cm	CAWR-16-104422
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
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	—	10/14/15	WG	Temperature	15.38	deg C	CAWR-16-104422

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	—	10/14/15	WG	Turbidity	50.3	NTU	CAWR-16-104422
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
Spring 1	—	10/09/15	WG	Dissolved Oxygen	6.33	mg/L	CAWR-16-104424
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	—	10/09/15	WG	Flow (in gpm)	1.66	gpm	CAWR-16-104424
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	—	10/09/15	WG	pH	7.77	SU	CAWR-16-104424
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
Spring 1	—	10/11/11	WG	pH	8.01	SU	CAWR-11-27999
Spring 1	—	10/09/15	WG	Specific Conductance	218	µS/cm	CAWR-16-104424
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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 1	—	10/11/11	WG	Specific Conductance	215	µS/cm	CAWR-11-27999
Spring 1	—	10/09/15	WG	Temperature	18.56	deg C	CAWR-16-104424
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	—	10/09/15	WG	Turbidity	11.1	NTU	CAWR-16-104424
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 2	—	10/09/15	WG	Dissolved Oxygen	6.46	mg/L	CAWR-16-104425
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	—	10/09/15	WG	Flow (in gpm)	0.17	gpm	CAWR-16-104425
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	—	10/09/15	WG	pH	7.67	SU	CAWR-16-104425
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	—	10/09/15	WG	Specific Conductance	233	µS/cm	CAWR-16-104425
Spring 2	—	10/29/14	WG	Specific Conductance	238	µS/cm	CAWR-14-89231

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	—	10/09/15	WG	Temperature	16.46	deg C	CAWR-16-104425
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	—	10/09/15	WG	Turbidity	5.4	NTU	CAWR-16-104425
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 3A	—	10/08/15	WG	Dissolved Oxygen	6.37	mg/L	CAWR-16-104426
Spring 3A	—	09/29/14	WG	Dissolved Oxygen	6.76	mg/L	CAWR-14-86895
Spring 3A	—	12/02/13	WG	Dissolved Oxygen	6.81	mg/L	CAWR-13-42151
Spring 3A	—	09/24/12	WG	Dissolved Oxygen	7.02	mg/L	CAWR-12-23439
Spring 3A	—	10/03/11	WG	Dissolved Oxygen	6.38	mg/L	CAWR-11-28005
Spring 3A	—	10/08/15	WG	Flow (in gpm)	28.3	gpm	CAWR-16-104426
Spring 3A	—	09/29/14	WG	Flow (in gpm)	28.3	gpm	CAWR-14-86895
Spring 3A	—	10/03/11	WG	Flow (in gpm)	63.04	gpm	CAWR-11-28005
Spring 3A	—	09/27/10	WG	Flow (in gpm)	29	gpm	CAWR-10-25438
Spring 3A	—	09/28/09	WG	Flow (in gpm)	15.9	gpm	CAWR-09-12501
Spring 3A	—	10/08/15	WG	pH	7.13	SU	CAWR-16-104426
Spring 3A	—	09/29/14	WG	pH	7.48	SU	CAWR-14-86895
Spring 3A	—	12/02/13	WG	pH	7.8	SU	CAWR-13-42151
Spring 3A	—	09/24/12	WG	pH	7.61	SU	CAWR-12-23439
Spring 3A	—	10/03/11	WG	pH	7.55	SU	CAWR-11-28005

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 3A	—	10/08/15	WG	Specific Conductance	198	µS/cm	CAWR-16-104426
Spring 3A	—	09/29/14	WG	Specific Conductance	198	µS/cm	CAWR-14-86895
Spring 3A	—	12/02/13	WG	Specific Conductance	204	µS/cm	CAWR-13-42151
Spring 3A	—	09/24/12	WG	Specific Conductance	196	µS/cm	CAWR-12-23439
Spring 3A	—	10/03/11	WG	Specific Conductance	188	µS/cm	CAWR-11-28005
Spring 3A	—	10/08/15	WG	Temperature	19.75	deg C	CAWR-16-104426
Spring 3A	—	09/29/14	WG	Temperature	20.44	deg C	CAWR-14-86895
Spring 3A	—	12/02/13	WG	Temperature	19.8	deg C	CAWR-13-42151
Spring 3A	—	09/24/12	WG	Temperature	19.94	deg C	CAWR-12-23439
Spring 3A	—	10/03/11	WG	Temperature	19.89	deg C	CAWR-11-28005
Spring 3A	—	10/08/15	WG	Turbidity	0.7	NTU	CAWR-16-104426
Spring 3A	—	09/29/14	WG	Turbidity	2.5	NTU	CAWR-14-86895
Spring 3A	—	12/02/13	WG	Turbidity	0.6	NTU	CAWR-13-42151
Spring 3A	—	09/24/12	WG	Turbidity	0.52	NTU	CAWR-12-23439
Spring 3A	—	10/03/11	WG	Turbidity	0.37	NTU	CAWR-11-28005
Spring 4	—	10/13/15	WG	Dissolved Oxygen	7.21	mg/L	CAWR-16-104427
Spring 4	—	09/29/14	WG	Dissolved Oxygen	7.31	mg/L	CAWR-14-86897
Spring 4	—	09/24/12	WG	Dissolved Oxygen	7.21	mg/L	CAWR-12-23441
Spring 4	—	10/05/11	WG	Dissolved Oxygen	7.33	mg/L	CAWR-11-28011
Spring 4	—	09/27/10	WG	Dissolved Oxygen	7.91	mg/L	CAWR-10-25434
Spring 4	—	10/13/15	WG	Flow (in gpm)	23	gpm	CAWR-16-104427
Spring 4	—	09/29/14	WG	Flow (in gpm)	46.7	gpm	CAWR-14-86897
Spring 4	—	09/27/10	WG	Flow (in gpm)	4.3	gpm	CAWR-10-25434
Spring 4	—	03/24/10	WG	Flow (in gpm)	52.5	gpm	CAWR-10-14102
Spring 4	—	09/28/09	WG	Flow (in gpm)	6.9	gpm	CAWR-09-12519
Spring 4	—	09/28/09	WG	Flow (in gpm)	6.9	gpm	CAWR-09-12520
Spring 4	—	10/13/15	WG	pH	7.71	SU	CAWR-16-104427
Spring 4	—	09/29/14	WG	pH	7.45	SU	CAWR-14-86897

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 4	—	09/24/12	WG	pH	7.26	SU	CAWR-12-23441
Spring 4	—	10/05/11	WG	pH	7.36	SU	CAWR-11-28011
Spring 4	—	09/27/10	WG	pH	6.61	SU	CAWR-10-25434
Spring 4	—	10/13/15	WG	Specific Conductance	217	µS/cm	CAWR-16-104427
Spring 4	—	09/29/14	WG	Specific Conductance	220	µS/cm	CAWR-14-86897
Spring 4	—	09/24/12	WG	Specific Conductance	220	µS/cm	CAWR-12-23441
Spring 4	—	10/05/11	WG	Specific Conductance	218	µS/cm	CAWR-11-28011
Spring 4	—	09/27/10	WG	Specific Conductance	214	µS/cm	CAWR-10-25434
Spring 4	—	10/13/15	WG	Temperature	16.94	deg C	CAWR-16-104427
Spring 4	—	09/29/14	WG	Temperature	17.14	deg C	CAWR-14-86897
Spring 4	—	09/24/12	WG	Temperature	17.86	deg C	CAWR-12-23441
Spring 4	—	10/05/11	WG	Temperature	17.36	deg C	CAWR-11-28011
Spring 4	—	09/27/10	WG	Temperature	16.99	deg C	CAWR-10-25434
Spring 4	—	10/13/15	WG	Turbidity	2.6	NTU	CAWR-16-104427
Spring 4	—	09/29/14	WG	Turbidity	3.5	NTU	CAWR-14-86897
Spring 4	—	09/24/12	WG	Turbidity	2.68	NTU	CAWR-12-23441
Spring 4	—	10/05/11	WG	Turbidity	0.73	NTU	CAWR-11-28011
Spring 4	—	09/27/10	WG	Turbidity	0.98	NTU	CAWR-10-25434
Spring 4A	—	10/08/15	WG	Dissolved Oxygen	7.08	mg/L	CAWR-16-104428
Spring 4A	—	09/30/14	WG	Dissolved Oxygen	7.25	mg/L	CAWR-14-86898
Spring 4A	—	12/03/13	WG	Dissolved Oxygen	7.31	mg/L	CAWR-13-42152
Spring 4A	—	09/24/12	WG	Dissolved Oxygen	7.32	mg/L	CAWR-12-23442
Spring 4A	—	10/04/11	WG	Dissolved Oxygen	7.01	mg/L	CAWR-11-28018
Spring 4A	—	10/08/15	WG	Flow (in gpm)	1.4	gpm	CAWR-16-104428
Spring 4A	—	09/30/14	WG	Flow (in gpm)	5.8	gpm	CAWR-14-86898
Spring 4A	—	03/24/10	WG	Flow (in gpm)	6.8	gpm	CAWR-10-14106
Spring 4A	—	09/28/09	WG	Flow (in gpm)	3	gpm	CAWR-09-12524
Spring 4A	—	04/21/09	WG	Flow (in gpm)	4	gpm	CAWR-09-7944

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 4A	—	10/08/15	WG	pH	7.56	SU	CAWR-16-104428
Spring 4A	—	09/30/14	WG	pH	7.65	SU	CAWR-14-86898
Spring 4A	—	12/03/13	WG	pH	7.81	SU	CAWR-13-42152
Spring 4A	—	09/24/12	WG	pH	7.56	SU	CAWR-12-23442
Spring 4A	—	10/04/11	WG	pH	7.77	SU	CAWR-11-28018
Spring 4A	—	10/08/15	WG	Specific Conductance	204	µS/cm	CAWR-16-104428
Spring 4A	—	09/30/14	WG	Specific Conductance	204	µS/cm	CAWR-14-86898
Spring 4A	—	12/03/13	WG	Specific Conductance	202	µS/cm	CAWR-13-42152
Spring 4A	—	09/24/12	WG	Specific Conductance	204	µS/cm	CAWR-12-23442
Spring 4A	—	10/04/11	WG	Specific Conductance	202	µS/cm	CAWR-11-28018
Spring 4A	—	10/08/15	WG	Temperature	19.82	deg C	CAWR-16-104428
Spring 4A	—	09/30/14	WG	Temperature	20.19	deg C	CAWR-14-86898
Spring 4A	—	12/03/13	WG	Temperature	19.86	deg C	CAWR-13-42152
Spring 4A	—	09/24/12	WG	Temperature	21.61	deg C	CAWR-12-23442
Spring 4A	—	10/04/11	WG	Temperature	20.05	deg C	CAWR-11-28018
Spring 4A	—	10/08/15	WG	Turbidity	1.2	NTU	CAWR-16-104428
Spring 4A	—	09/30/14	WG	Turbidity	0.67	NTU	CAWR-14-86898
Spring 4A	—	12/03/13	WG	Turbidity	4.9	NTU	CAWR-13-42152
Spring 4A	—	09/24/12	WG	Turbidity	0.9	NTU	CAWR-12-23442
Spring 4A	—	10/04/11	WG	Turbidity	1.36	NTU	CAWR-11-28018
Spring 4AA	—	10/13/15	WG	Dissolved Oxygen	4.76	mg/L	CAWR-16-104429
Spring 4AA	—	09/30/14	WG	Dissolved Oxygen	7.68	mg/L	CAWR-14-86899
Spring 4AA	—	09/24/12	WG	Dissolved Oxygen	7.11	mg/L	CAWR-12-23443
Spring 4AA	—	10/04/11	WG	Dissolved Oxygen	7.46	mg/L	CAWR-11-28021
Spring 4AA	—	09/27/10	WG	Dissolved Oxygen	5.01	mg/L	CAWR-10-25454
Spring 4AA	—	09/27/10	WG	Dissolved Oxygen	5.01	mg/L	CAWR-10-25455
Spring 4AA	—	10/13/15	WG	Flow (in gpm)	5.07	gpm	CAWR-16-104429
Spring 4AA	—	09/30/14	WG	Flow (in gpm)	5.8	gpm	CAWR-14-86899

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 4AA	—	10/04/11	WG	Flow (in gpm)	4.4	gpm	CAWR-11-28021
Spring 4AA	—	09/27/10	WG	Flow (in gpm)	0.25	gpm	CAWR-10-25454
Spring 4AA	—	09/27/10	WG	Flow (in gpm)	0.25	gpm	CAWR-10-25455
Spring 4AA	—	03/24/10	WG	Flow (in gpm)	3.04	gpm	CAWR-10-14107
Spring 4AA	—	10/13/15	WG	pH	7.3	SU	CAWR-16-104429
Spring 4AA	—	09/30/14	WG	pH	7.25	SU	CAWR-14-86899
Spring 4AA	—	09/24/12	WG	pH	7.65	SU	CAWR-12-23443
Spring 4AA	—	10/04/11	WG	pH	7.12	SU	CAWR-11-28021
Spring 4AA	—	09/27/10	WG	pH	7.13	SU	CAWR-10-25454
Spring 4AA	—	09/27/10	WG	pH	7.13	SU	CAWR-10-25455
Spring 4AA	—	10/13/15	WG	Specific Conductance	216	µS/cm	CAWR-16-104429
Spring 4AA	—	09/30/14	WG	Specific Conductance	215	µS/cm	CAWR-14-86899
Spring 4AA	—	09/24/12	WG	Specific Conductance	216	µS/cm	CAWR-12-23443
Spring 4AA	—	10/04/11	WG	Specific Conductance	218	µS/cm	CAWR-11-28021
Spring 4AA	—	09/27/10	WG	Specific Conductance	217	µS/cm	CAWR-10-25454
Spring 4AA	—	09/27/10	WG	Specific Conductance	217	µS/cm	CAWR-10-25455
Spring 4AA	—	10/13/15	WG	Temperature	19.47	deg C	CAWR-16-104429
Spring 4AA	—	09/30/14	WG	Temperature	18.99	deg C	CAWR-14-86899
Spring 4AA	—	09/24/12	WG	Temperature	19.18	deg C	CAWR-12-23443
Spring 4AA	—	10/04/11	WG	Temperature	18.81	deg C	CAWR-11-28021
Spring 4AA	—	09/27/10	WG	Temperature	20.87	deg C	CAWR-10-25454
Spring 4AA	—	09/27/10	WG	Temperature	20.87	deg C	CAWR-10-25455
Spring 4AA	—	10/13/15	WG	Turbidity	5.1	NTU	CAWR-16-104429
Spring 4AA	—	09/30/14	WG	Turbidity	1.22	NTU	CAWR-14-86899
Spring 4AA	—	09/24/12	WG	Turbidity	1.34	NTU	CAWR-12-23443
Spring 4AA	—	10/04/11	WG	Turbidity	2.84	NTU	CAWR-11-28021
Spring 4AA	—	09/27/10	WG	Turbidity	9.87	NTU	CAWR-10-25454
Spring 4AA	—	09/27/10	WG	Turbidity	9.87	NTU	CAWR-10-25455

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 4B	—	10/15/15	WG	Dissolved Oxygen	5.97	mg/L	CAWR-16-104430
Spring 4B	—	09/30/14	WG	Dissolved Oxygen	7.59	mg/L	CAWR-14-86900
Spring 4B	—	09/30/14	WG	Dissolved Oxygen	7.59	mg/L	CAWR-14-86950
Spring 4B	—	09/25/12	WG	Dissolved Oxygen	7.15	mg/L	CAWR-12-23444
Spring 4B	—	10/05/11	WG	Dissolved Oxygen	7.04	mg/L	CAWR-11-28025
Spring 4B	—	09/27/10	WG	Dissolved Oxygen	6.25	mg/L	CAWR-10-25456
Spring 4B	—	09/27/10	WG	Dissolved Oxygen	6.25	mg/L	CAWR-10-25459
Spring 4B	—	10/15/15	WG	Flow (in gpm)	0.4	gpm	CAWR-16-104430
Spring 4B	—	09/30/14	WG	Flow (in gpm)	1	gpm	CAWR-14-86900
Spring 4B	—	10/05/11	WG	Flow (in gpm)	0.26	gpm	CAWR-11-28025
Spring 4B	—	09/27/10	WG	Flow (in gpm)	0.25	gpm	CAWR-10-25456
Spring 4B	—	09/27/10	WG	Flow (in gpm)	0.25	gpm	CAWR-10-25459
Spring 4B	—	03/24/10	WG	Flow (in gpm)	1.35	gpm	CAWR-10-14100
Spring 4B	—	10/15/15	WG	pH	7.32	SU	CAWR-16-104430
Spring 4B	—	09/30/14	WG	pH	7.52	SU	CAWR-14-86900
Spring 4B	—	09/30/14	WG	pH	7.52	SU	CAWR-14-86950
Spring 4B	—	09/25/12	WG	pH	7.73	SU	CAWR-12-23444
Spring 4B	—	10/05/11	WG	pH	7.49	SU	CAWR-11-28025
Spring 4B	—	09/27/10	WG	pH	6.93	SU	CAWR-10-25456
Spring 4B	—	09/27/10	WG	pH	6.93	SU	CAWR-10-25459
Spring 4B	—	10/15/15	WG	Specific Conductance	243	µS/cm	CAWR-16-104430
Spring 4B	—	09/30/14	WG	Specific Conductance	237	µS/cm	CAWR-14-86900
Spring 4B	—	09/30/14	WG	Specific Conductance	237	µS/cm	CAWR-14-86950
Spring 4B	—	09/25/12	WG	Specific Conductance	234	µS/cm	CAWR-12-23444
Spring 4B	—	10/05/11	WG	Specific Conductance	233	µS/cm	CAWR-11-28025
Spring 4B	—	09/27/10	WG	Specific Conductance	230	µS/cm	CAWR-10-25456
Spring 4B	—	09/27/10	WG	Specific Conductance	230	µS/cm	CAWR-10-25459
Spring 4B	—	10/15/15	WG	Temperature	17.57	deg C	CAWR-16-104430

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 4B	—	09/30/14	WG	Temperature	17.65	deg C	CAWR-14-86900
Spring 4B	—	09/30/14	WG	Temperature	17.65	deg C	CAWR-14-86950
Spring 4B	—	09/25/12	WG	Temperature	16.95	deg C	CAWR-12-23444
Spring 4B	—	10/05/11	WG	Temperature	17.12	deg C	CAWR-11-28025
Spring 4B	—	09/27/10	WG	Temperature	18.78	deg C	CAWR-10-25456
Spring 4B	—	09/27/10	WG	Temperature	18.78	deg C	CAWR-10-25459
Spring 4B	—	10/15/15	WG	Turbidity	6.1	NTU	CAWR-16-104430
Spring 4B	—	09/30/14	WG	Turbidity	1.1	NTU	CAWR-14-86900
Spring 4B	—	09/30/14	WG	Turbidity	1.1	NTU	CAWR-14-86950
Spring 4B	—	09/25/12	WG	Turbidity	1.56	NTU	CAWR-12-23444
Spring 4B	—	10/05/11	WG	Turbidity	1.66	NTU	CAWR-11-28025
Spring 4B	—	09/27/10	WG	Turbidity	1.65	NTU	CAWR-10-25456
Spring 4B	—	09/27/10	WG	Turbidity	1.65	NTU	CAWR-10-25459
Spring 5	—	10/07/15	WG	Dissolved Oxygen	6.73	mg/L	CAWR-16-104431
Spring 5	—	09/30/14	WG	Dissolved Oxygen	6.68	mg/L	CAWR-14-86901
Spring 5	—	12/03/13	WG	Dissolved Oxygen	6.69	mg/L	CAWR-13-42153
Spring 5	—	09/25/12	WG	Dissolved Oxygen	6.9	mg/L	CAWR-12-23445
Spring 5	—	10/05/11	WG	Dissolved Oxygen	6.79	mg/L	CAWR-11-28032
Spring 5	—	10/07/15	WG	Flow (in gpm)	4.8	gpm	CAWR-16-104431
Spring 5	—	09/30/14	WG	Flow (in gpm)	5.8	gpm	CAWR-14-86901
Spring 5	—	09/28/10	WG	Flow (in gpm)	0.26	gpm	CAWR-10-25339
Spring 5	—	09/29/09	WG	Flow (in gpm)	2.7	gpm	CAWR-09-12512
Spring 5	—	09/30/08	WG	Flow (in gpm)	1.25	gpm	CAWR-08-15521
Spring 5	—	10/07/15	WG	pH	7.59	SU	CAWR-16-104431
Spring 5	—	09/30/14	WG	pH	7.47	SU	CAWR-14-86901
Spring 5	—	12/03/13	WG	pH	7.64	SU	CAWR-13-42153
Spring 5	—	09/25/12	WG	pH	7.87	SU	CAWR-12-23445
Spring 5	—	10/05/11	WG	pH	7.9	SU	CAWR-11-28032

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 5	—	10/07/15	WG	Specific Conductance	186	µS/cm	CAWR-16-104431
Spring 5	—	09/30/14	WG	Specific Conductance	184	µS/cm	CAWR-14-86901
Spring 5	—	12/03/13	WG	Specific Conductance	181	µS/cm	CAWR-13-42153
Spring 5	—	09/25/12	WG	Specific Conductance	186	µS/cm	CAWR-12-23445
Spring 5	—	10/05/11	WG	Specific Conductance	185	µS/cm	CAWR-11-28032
Spring 5	—	10/07/15	WG	Temperature	21.09	deg C	CAWR-16-104431
Spring 5	—	09/30/14	WG	Temperature	20.55	deg C	CAWR-14-86901
Spring 5	—	12/03/13	WG	Temperature	20.54	deg C	CAWR-13-42153
Spring 5	—	09/25/12	WG	Temperature	20.77	deg C	CAWR-12-23445
Spring 5	—	10/05/11	WG	Temperature	20.4	deg C	CAWR-11-28032
Spring 5	—	10/07/15	WG	Turbidity	3.9	NTU	CAWR-16-104431
Spring 5	—	09/30/14	WG	Turbidity	7.2	NTU	CAWR-14-86901
Spring 5	—	12/03/13	WG	Turbidity	0.9	NTU	CAWR-13-42153
Spring 5	—	09/25/12	WG	Turbidity	0.7	NTU	CAWR-12-23445
Spring 5	—	10/05/11	WG	Turbidity	1.17	NTU	CAWR-11-28032
Spring 5B	—	10/07/15	WG	Dissolved Oxygen	7.64	mg/L	CAWR-16-104432
Spring 5B	—	12/10/13	WG	Dissolved Oxygen	8.16	mg/L	CAWR-13-42154
Spring 5B	—	09/25/12	WG	Dissolved Oxygen	7.46	mg/L	CAWR-12-23447
Spring 5B	—	10/06/11	WG	Dissolved Oxygen	7.94	mg/L	CAWR-11-28033
Spring 5B	—	09/28/10	WG	Dissolved Oxygen	9.1	mg/L	CAWR-10-26573
Spring 5B	—	10/07/15	WG	Flow (in gpm)	2.66	gpm	CAWR-16-104432
Spring 5B	—	10/06/11	WG	Flow (in gpm)	1.13	gpm	CAWR-11-28033
Spring 5B	—	09/28/10	WG	Flow (in gpm)	6.8	gpm	CAWR-10-26573
Spring 5B	—	10/07/15	WG	pH	7.98	SU	CAWR-16-104432
Spring 5B	—	12/10/13	WG	pH	7.92	SU	CAWR-13-42154
Spring 5B	—	09/25/12	WG	pH	8.17	SU	CAWR-12-23447
Spring 5B	—	10/06/11	WG	pH	8.2	SU	CAWR-11-28033
Spring 5B	—	09/28/10	WG	pH	7.75	SU	CAWR-10-26573

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 5B	—	10/07/15	WG	Specific Conductance	168	µS/cm	CAWR-16-104432
Spring 5B	—	12/10/13	WG	Specific Conductance	169	µS/cm	CAWR-13-42154
Spring 5B	—	09/25/12	WG	Specific Conductance	172	µS/cm	CAWR-12-23447
Spring 5B	—	10/06/11	WG	Specific Conductance	169	µS/cm	CAWR-11-28033
Spring 5B	—	09/28/10	WG	Specific Conductance	175	µS/cm	CAWR-10-26573
Spring 5B	—	10/07/15	WG	Temperature	17.8	deg C	CAWR-16-104432
Spring 5B	—	12/10/13	WG	Temperature	15.84	deg C	CAWR-13-42154
Spring 5B	—	09/25/12	WG	Temperature	17.73	deg C	CAWR-12-23447
Spring 5B	—	10/06/11	WG	Temperature	16.3	deg C	CAWR-11-28033
Spring 5B	—	09/28/10	WG	Temperature	16	deg C	CAWR-10-26573
Spring 5B	—	10/07/15	WG	Turbidity	9	NTU	CAWR-16-104432
Spring 5B	—	12/10/13	WG	Turbidity	8.6	NTU	CAWR-13-42154
Spring 5B	—	09/25/12	WG	Turbidity	3.07	NTU	CAWR-12-23447
Spring 5B	—	10/06/11	WG	Turbidity	1.5	NTU	CAWR-11-28033
Spring 5B	—	09/28/10	WG	Turbidity	9.4	NTU	CAWR-10-26573
Spring 6	—	10/05/15	WG	Dissolved Oxygen	6.71	mg/L	CAWR-16-104433
Spring 6	—	10/01/14	WG	Dissolved Oxygen	7	mg/L	CAWR-14-86954
Spring 6	—	12/09/13	WG	Dissolved Oxygen	7.3	mg/L	CAWR-13-42155
Spring 6	—	09/25/12	WG	Dissolved Oxygen	6.7	mg/L	CAWR-12-23448
Spring 6	—	10/06/11	WG	Dissolved Oxygen	6.92	mg/L	CAWR-11-28038
Spring 6	—	10/05/15	WG	Flow (in gpm)	0.53	gpm	CAWR-16-104433
Spring 6	—	10/01/14	WG	Flow (in gpm)	11.5	gpm	CAWR-14-86954
Spring 6	—	10/06/11	WG	Flow (in gpm)	22.4	gpm	CAWR-11-28038
Spring 6	—	09/28/10	WG	Flow (in gpm)	7.8	gpm	CAWR-10-25376
Spring 6	—	09/30/08	WG	Flow (in gpm)	4	gpm	CAWR-08-15532
Spring 6	—	10/05/15	WG	pH	7.45	SU	CAWR-16-104433
Spring 6	—	10/01/14	WG	pH	8.04	SU	CAWR-14-86954
Spring 6	—	12/09/13	WG	pH	7.83	SU	CAWR-13-42155

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 6	—	09/25/12	WG	pH	7.61	SU	CAWR-12-23448
Spring 6	—	10/06/11	WG	pH	7.71	SU	CAWR-11-28038
Spring 6	—	10/05/15	WG	Specific Conductance	136	µS/cm	CAWR-16-104433
Spring 6	—	10/01/14	WG	Specific Conductance	146	µS/cm	CAWR-14-86954
Spring 6	—	12/09/13	WG	Specific Conductance	137	µS/cm	CAWR-13-42155
Spring 6	—	09/25/12	WG	Specific Conductance	138	µS/cm	CAWR-12-23448
Spring 6	—	10/06/11	WG	Specific Conductance	138	µS/cm	CAWR-11-28038
Spring 6	—	10/05/15	WG	Temperature	20.46	deg C	CAWR-16-104433
Spring 6	—	10/01/14	WG	Temperature	22.38	deg C	CAWR-14-86954
Spring 6	—	12/09/13	WG	Temperature	19.12	deg C	CAWR-13-42155
Spring 6	—	09/25/12	WG	Temperature	20.66	deg C	CAWR-12-23448
Spring 6	—	10/06/11	WG	Temperature	20.69	deg C	CAWR-11-28038
Spring 6	—	10/05/15	WG	Turbidity	4.7	NTU	CAWR-16-104433
Spring 6	—	10/01/14	WG	Turbidity	2.3	NTU	CAWR-14-86954
Spring 6	—	12/09/13	WG	Turbidity	3.3	NTU	CAWR-13-42155
Spring 6	—	09/25/12	WG	Turbidity	1.26	NTU	CAWR-12-23448
Spring 6	—	10/06/11	WG	Turbidity	4.32	NTU	CAWR-11-28038
Spring 9	—	10/06/15	WG	Dissolved Oxygen	7.3	mg/L	CAWR-16-104434
Spring 9	—	10/01/14	WG	Dissolved Oxygen	6.95	mg/L	CAWR-14-86957
Spring 9	—	12/16/13	WG	Dissolved Oxygen	7.03	mg/L	CAWR-13-42156
Spring 9	—	09/29/10	WG	Dissolved Oxygen	6.91	mg/L	CAWR-10-25395
Spring 9	—	09/29/09	WG	Dissolved Oxygen	6.76	mg/L	CAWR-09-12565
Spring 9	—	10/06/15	WG	Flow (in gpm)	0.3	gpm	CAWR-16-104434
Spring 9	—	10/01/14	WG	Flow (in gpm)	70.27	gpm	CAWR-14-86957
Spring 9	—	09/29/10	WG	Flow (in gpm)	0.45	gpm	CAWR-10-25395
Spring 9	—	09/29/09	WG	Flow (in gpm)	0.5	gpm	CAWR-09-12565
Spring 9	—	09/30/08	WG	Flow (in gpm)	1	gpm	CAWR-08-15537
Spring 9	—	10/06/15	WG	pH	7.63	SU	CAWR-16-104434

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 9	—	10/01/14	WG	pH	7.65	SU	CAWR-14-86957
Spring 9	—	12/16/13	WG	pH	7.31	SU	CAWR-13-42156
Spring 9	—	09/25/12	WG	pH	7.15	SU	CAWR-12-23451
Spring 9	—	09/29/10	WG	pH	6	SU	CAWR-10-25395
Spring 9	—	10/06/15	WG	Specific Conductance	131	µS/cm	CAWR-16-104434
Spring 9	—	10/01/14	WG	Specific Conductance	137	µS/cm	CAWR-14-86957
Spring 9	—	12/16/13	WG	Specific Conductance	127	µS/cm	CAWR-13-42156
Spring 9	—	09/25/12	WG	Specific Conductance	131	µS/cm	CAWR-12-23451
Spring 9	—	09/29/10	WG	Specific Conductance	160	µS/cm	CAWR-10-25395
Spring 9	—	10/06/15	WG	Temperature	21.08	deg C	CAWR-16-104434
Spring 9	—	10/01/14	WG	Temperature	21.47	deg C	CAWR-14-86957
Spring 9	—	12/16/13	WG	Temperature	19.37	deg C	CAWR-13-42156
Spring 9	—	09/25/12	WG	Temperature	20.63	deg C	CAWR-12-23451
Spring 9	—	09/29/10	WG	Temperature	21.65	deg C	CAWR-10-25395
Spring 9	—	10/06/15	WG	Turbidity	5.6	NTU	CAWR-16-104434
Spring 9	—	10/01/14	WG	Turbidity	17.4	NTU	CAWR-14-86957
Spring 9	—	12/16/13	WG	Turbidity	1.3	NTU	CAWR-13-42156
Spring 9	—	09/25/12	WG	Turbidity	1.91	NTU	CAWR-12-23451
Spring 9	—	09/29/10	WG	Turbidity	4.2	NTU	CAWR-10-25395
Spring 9A	—	10/06/15	WG	Dissolved Oxygen	5.14	mg/L	CAWR-16-104435
Spring 9A	—	10/01/14	WG	Dissolved Oxygen	4.83	mg/L	CAWR-14-86958
Spring 9A	—	12/16/13	WG	Dissolved Oxygen	5.99	mg/L	CAWR-13-42157
Spring 9A	—	09/26/12	WG	Dissolved Oxygen	8.94	mg/L	CAWR-12-23452
Spring 9A	—	10/13/11	WG	Dissolved Oxygen	7.17	mg/L	CAWR-11-28048
Spring 9A	—	10/06/15	WG	Flow (in gpm)	2.5	gpm	CAWR-16-104435
Spring 9A	—	10/01/14	WG	Flow (in gpm)	5.8	gpm	CAWR-14-86958
Spring 9A	—	09/28/10	WG	Flow (in gpm)	1.6	gpm	CAWR-10-25398
Spring 9A	—	10/01/08	WG	Flow (in gpm)	0.5	gpm	CAWR-08-15539

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Spring 9A	—	10/06/15	WG	pH	7.26	SU	CAWR-16-104435
Spring 9A	—	10/01/14	WG	pH	7.08	SU	CAWR-14-86958
Spring 9A	—	12/16/13	WG	pH	7.35	SU	CAWR-13-42157
Spring 9A	—	09/26/12	WG	pH	7.64	SU	CAWR-12-23452
Spring 9A	—	10/13/11	WG	pH	7.86	SU	CAWR-11-28048
Spring 9A	—	10/06/15	WG	Specific Conductance	130	µS/cm	CAWR-16-104435
Spring 9A	—	10/01/14	WG	Specific Conductance	128	µS/cm	CAWR-14-86958
Spring 9A	—	12/16/13	WG	Specific Conductance	125	µS/cm	CAWR-13-42157
Spring 9A	—	09/26/12	WG	Specific Conductance	129	µS/cm	CAWR-12-23452
Spring 9A	—	10/13/11	WG	Specific Conductance	133	µS/cm	CAWR-11-28048
Spring 9A	—	10/06/15	WG	Temperature	20.36	deg C	CAWR-16-104435
Spring 9A	—	10/01/14	WG	Temperature	20.48	deg C	CAWR-14-86958
Spring 9A	—	12/16/13	WG	Temperature	19.08	deg C	CAWR-13-42157
Spring 9A	—	09/26/12	WG	Temperature	18.98	deg C	CAWR-12-23452
Spring 9A	—	10/13/11	WG	Temperature	20.52	deg C	CAWR-11-28048
Spring 9A	—	10/06/15	WG	Turbidity	3.6	NTU	CAWR-16-104435
Spring 9A	—	10/01/14	WG	Turbidity	0.7	NTU	CAWR-14-86958
Spring 9A	—	12/16/13	WG	Turbidity	0.7	NTU	CAWR-13-42157
Spring 9A	—	09/26/12	WG	Turbidity	0.63	NTU	CAWR-12-23452
Spring 9A	—	10/13/11	WG	Turbidity	2.27	NTU	CAWR-11-28048

[a] — = Not applicable.

[b] WG = Groundwater.

[c] gpm = Gallons per minute.

[d] SU = Standard unit.

[e] NTU = Nephelometric turbidity unit.

[f] WS = Base flow.

[g] WP = Persistent water.

Appendix B

Groundwater-Elevation Measurements
(no groundwater monitoring wells in the
White Rock Canyon General Surveillance monitoring group)

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 White Rock Canyon General Surveillance Monitoring Group Analytical 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
Rio Grande at Otowi Bridge	—	10/30/14	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.62	1.03	3.294	—	pCi/L	Y	U	U	2015-229	CAWR-14-89237	ARSL
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	13.24	2.161	2.119	—	pCi/L	Y	—	J-	2013-25	CAWR-12-23433	ARSL
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	12.134	1.998	2.085	—	pCi/L	Y	—	J-	2013-25	CAWR-12-23402	ARSL
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	18.998	2.9946	2.415	—	pCi/L	Y	—	NQ	11-115	CAWR-10-25403	ARSL
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	11.8496	1.8998	1.932	—	pCi/L	Y	—	NQ	10-3674	CAWR-10-24226	ARSL
Rio Grande at Otowi Bridge	—	05/10/10	WS	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	20.125	3.1234	1.8032	—	pCi/L	Y	—	NQ	10-3119	CAWR-10-17025	ARSL
Rio Grande at Otowi Bridge	—	05/10/10	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	17.3236	2.7048	1.8032	—	pCi/L	N	—	R	10-3119	CAWR-10-17025	ARSL

Table C-2 White Rock Canyon 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
Ancho Spring	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.46	—	—	0.01	SU	Y	H	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.43	—	—	0.01	SU	Y	H	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.56	—	—	0.01	SU	Y	H	J-	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.46	—	—	0.01	SU	Y	H	J-	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.6	—	—	0.725	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.2	—	—	0.725	mg/L	Y	H	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.4	—	—	0.725	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.3	—	—	0.73	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.3	—	—	0.73	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00458	0.00458	0.037	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.008	0.0506	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00882	0.00778	0.0383	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0127	0.0067	0.0346	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0157	0.011	0.037	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.4	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.8	—	—	1	µg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.3	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.3	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.04	2.02	5.19	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.636	1.86	3.51	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.544	1.11	3.38	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.983	1.59	6	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.655	1.7	6.4	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.37	—	—	0.067	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.14	—	—	0.067	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.22	—	—	0.067	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.16	—	—	0.066	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.23	—	—	0.066	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.7	—	—	2	µg/L	Y	J	J	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.96	—	—	2	µg/L	Y	J	J	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.34	—	—	2	µg/L	Y	J	J	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.15	—	—	2	µg/L	Y	J	J	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.08	—	—	2.5	µg/L	Y	J	J	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0377	1.23	4.72	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0158	0.904	3.51	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.96	1.67	4.43	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.5	1.45	5.32	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.388	1.7	6.8	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.3	—	—	0.033	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.303	—	—	0.033	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.313	—	—	0.033	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	—	0.033	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.308	—	—	0.033	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.291	0.508	1.88	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.368	0.701	2.6	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.41	0.386	1.15	—	pCi/L	Y	—	NQ	2014-2646	CAWR-13-42144	GELC

Table C-2 White Rock Canyon 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
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0564	0.423	1.95	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.27	0.91	3	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.39	0.651	2.04	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.55	0.877	2.86	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.34	0.613	1.99	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.9	0.668	1.7	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.38	0.82	2.4	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.9	—	—	0.453	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.9	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.6	—	—	0.453	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.5	—	—	0.45	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.9	—	—	0.35	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.19	—	—	0.11	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.26	—	—	0.11	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.12	—	—	0.11	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.35	—	—	0.085	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.165	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.165	µg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.17	µg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.09	—	—	0.1	µg/L	Y	—	U	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.34	2.87	10.7	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.14	2.43	8.94	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.27	2.23	7.64	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.72	2.55	8.92	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.398	3.5	12	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.405	—	—	0.017	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.572	—	—	0.017	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.206	—	—	0.017	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.322	—	—	0.05	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.326	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.295	—	—	0.05	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.349	—	—	0.05	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.197	—	—	0.05	µg/L	Y	J	J	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.277	—	—	0.05	µg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.272	—	—	0.05	µg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00898	0.00778	0.0349	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0022	0.00583	0.0328	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00298	0.00517	0.0304	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00435	0.035	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00409	0.0029	0.039	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00673	0.00744	0.0455	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00881	0.0054	0.0289	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00596	0.0467	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00435	0.0416	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00614	0.0036	0.038	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.69	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.67	—	—	0.05	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.82	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.02	14.2	52.9	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC

Table C-2 White Rock Canyon 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
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.9	14.5	50.2	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	48.9	21.7	35.2	—	pCi/L	Y	UI	R	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.5	16.5	56.1	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.9	21	85	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.3	—	—	0.053	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.1	—	—	0.053	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.3	—	—	0.053	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.7	—	—	0.053	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.92	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.757	1.31	5.23	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.28	1.34	5.16	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.29	0.899	3.79	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.272	1.28	4.99	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0155	1.9	7.2	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	3.63	µS/cm	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	3.63	µS/cm	Y	H	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	µS/cm	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	132	—	—	1	µS/cm	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.7	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.7	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	62.7	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.5	—	—	1	µg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	61.9	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.146	0.0584	0.212	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0355	0.134	0.479	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.163	0.143	0.482	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.19	0.116	0.488	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00803	0.14	0.49	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.72	—	—	0.133	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.68	—	—	0.133	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.22	—	—	0.133	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.42	—	—	0.1	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.7	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	J	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	106	—	—	3.4	mg/L	Y	H	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	—	3.4	mg/L	N	—	R	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116	—	—	3.4	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	2.4	mg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.193	—	—	0.033	mg/L	Y	—	J-	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	09/28/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	10-4818	CAWR-10-25326	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.388	—	—	0.33	mg/L	Y	J	J-	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.36	—	—	0.33	mg/L	Y	J	J	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.08	—	—	0.33	mg/L	Y	—	NQ	12-1571	CAWR-12-23427	GELC

Table C-2 White Rock Canyon 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
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.485	—	—	0.33	mg/L	Y	J	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	09/28/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.707	—	—	0.33	mg/L	Y	J	J	10-4818	CAWR-10-25326	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.707	0.672	2.209	—	pCi/L	Y	U	U	2016-33	CAWR-16-104418	ARSL
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.25	0.761	2.474	—	pCi/L	Y	U	U	2015-49	CAWR-14-86933	ARSL
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.089	0.796	2.575	—	pCi/L	Y	U	U	2014-2649	CAWR-13-42144	ARSL
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.322	0.655	2.243	—	pCi/L	Y	U	U	2013-8	CAWR-12-23427	ARSL
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.81	0.67	2.2	—	pCi/L	Y	U	U	12-75	CAWR-11-28027	ARSL
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.275	—	—	0.067	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.286	—	—	0.067	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.145	—	—	0.067	µg/L	Y	J	J	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.182	—	—	0.067	µg/L	Y	J	J	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.491	—	—	0.05	µg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.289	0.0243	0.0859	—	pCi/L	Y	—	NQ	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.302	0.0308	0.0746	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.257	0.0266	0.0516	—	pCi/L	Y	—	NQ	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0901	0.0165	0.0423	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.159	0.028	0.057	—	pCi/L	Y	—	J+	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0294	0.0098	0.0689	—	pCi/L	Y	U	U	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00897	0.0522	—	pCi/L	Y	U	U	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0063	0.0063	0.0325	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00297	0.00664	0.0307	—	pCi/L	Y	U	U	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00423	0.006	0.042	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.159	0.018	0.0628	—	pCi/L	Y	—	NQ	2016-20	CAWR-16-104418	GELC
Ancho Spring	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.142	0.0222	0.0397	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86933	GELC
Ancho Spring	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0969	0.0165	0.0274	—	pCi/L	Y	—	NQ	2014-2646	CAWR-13-42144	GELC
Ancho Spring	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0889	0.0158	0.0288	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23427	GELC
Ancho Spring	—	10/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.048	0.02	0.067	—	pCi/L	Y	U	U	12-65	CAWR-11-28027	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.66	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.79	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.2	—	—	1	µg/L	Y	J	J	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.02	—	—	1	µg/L	Y	—	NQ	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.52	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25327	GELC
Ancho Spring	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.46	—	—	3.3	µg/L	Y	J	J	2016-20	CAWR-16-104436	GELC
Ancho Spring	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-20	CAWR-14-86960	GELC
Ancho Spring	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-1571	CAWR-12-23455	GELC
Ancho Spring	—	10/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-65	CAWR-11-28028	GELC
Ancho Spring	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-4819	CAWR-10-25327	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	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	2016-57	CAWR-16-104437	GELC
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	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	132	—	—	0.725	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	135	—	—	0.725	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Aluminum	Al	Y	145	—	—	68	µg/L	Y	J	J	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	81.4	—	—	68	µg/L	Y	J	J	2014-2697	CAWR-13-42159	GELC

Table C-2 White Rock Canyon 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-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00429	0.00679	0.0347	—	pCi/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00657	0.00657	0.0354	—	pCi/L	Y	U	U	2016-57	CAWR-16-104419	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	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0551	—	—	0.017	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0501	—	—	0.017	mg/L	Y	—	J+	2016-57	CAWR-16-104437	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.7	—	—	1.7	µg/L	Y	J	J	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	118	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104398	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	—	10/14/15	WG	UF	RE	FD	SVOC	SW-846:8270DGCMS_SIM	Benzo(b)fluoranthene	205-99-2	N	0.102	—	—	0.0306	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(b)fluoranthene	205-99-2	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.556	—	—	0.167	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270DGCMS_SIM	Benzo(b)fluoranthene	205-99-2	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.543	—	—	0.163	µg/L	Y	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(b)fluoranthene	205-99-2	Y	0.0842	—	—	0.0316	µg/L	Y	J	J-	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	1.04	—	—	0.313	µg/L	Y	U	U	2015-187	CAWR-14-89228	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(b)fluoranthene	205-99-2	N	0.05	—	—	0.016	µg/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(b)fluoranthene	205-99-2	N	1.14	—	—	0.34	µg/L	Y	U	U	12-82	CAWR-11-27992	GELC
La Mesita Spring	—	09/22/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(b)fluoranthene	205-99-2	N	1.09	—	—	0.22	µg/L	Y	U	U	09-3313	CAWR-09-12480	GELC
La Mesita Spring	—	10/14/15	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(g,h,i)perylene	191-24-2	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	RE	FD	SVOC	SW-846:8270DGCMS_SIM	Benzo(g,h,i)perylene	191-24-2	N	0.102	—	—	0.0306	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270DGCMS_SIM	Benzo(g,h,i)perylene	191-24-2	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.556	—	—	0.167	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.543	—	—	0.163	µg/L	Y	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(g,h,i)perylene	191-24-2	Y	0.0632	—	—	0.0316	µg/L	Y	J	J-	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	1.04	—	—	0.313	µg/L	Y	U	U	2015-187	CAWR-14-89228	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(g,h,i)perylene	191-24-2	N	0.05	—	—	0.016	µg/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1.14	—	—	0.34	µg/L	Y	U	U	12-82	CAWR-11-27992	GELC
La Mesita Spring	—	09/22/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1.09	—	—	0.22	µg/L	Y	U	UJ	09-3313	CAWR-09-12480	GELC
La Mesita Spring	—	10/14/15	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(k)fluoranthene	207-08-9	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	RE	FD	SVOC	SW-846:8270DGCMS_SIM	Benzo(k)fluoranthene	207-08-9	N	0.102	—	—	0.0306	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270DGCMS_SIM	Benzo(k)fluoranthene	207-08-9	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(k)fluoranthene	207-08-9	Y	0.105	—	—	0.0316	µg/L	Y	—	J-	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.556	—	—	0.167	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.543	—	—	0.163	µg/L	Y	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	1.04	—	—	0.313	µg/L	Y	U	U	2015-187	CAWR-14-89228	GELC

Table C-2 White Rock Canyon 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	UF	INIT	REG	SVOC	SW-846:8310	Benzo(k)fluoranthene	207-08-9	N	0.025	—	—	0.008	µg/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.14	—	—	0.34	µg/L	Y	U	U	12-82	CAWR-11-27992	GELC
La Mesita Spring	—	09/22/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.09	—	—	0.22	µg/L	Y	U	U	09-3313	CAWR-09-12480	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	53.3	—	—	15	µg/L	Y	—	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	54.5	—	—	15	µg/L	Y	—	NQ	2016-57	CAWR-16-104398	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	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.146	—	—	0.067	mg/L	Y	J	J	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.138	—	—	0.067	mg/L	Y	J	J	2016-57	CAWR-16-104437	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	34.9	—	—	0.05	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	35.7	—	—	0.05	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	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	—	10/14/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.267	1.41	5.29	—	pCi/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.21	1.47	5.85	—	pCi/L	Y	U	U	2016-57	CAWR-16-104419	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	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.39	—	—	0.067	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.43	—	—	0.067	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	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	—	10/14/15	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Chrysene	218-01-9	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	RE	FD	SVOC	SW-846:8270DGCMS_SIM	Chrysene	218-01-9	N	0.102	—	—	0.0306	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270DGCMS_SIM	Chrysene	218-01-9	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.556	—	—	0.167	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.543	—	—	0.163	µg/L	Y	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Chrysene	218-01-9	Y	0.0737	—	—	0.0316	µg/L	Y	J	J-	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	1.04	—	—	0.313	µg/L	Y	U	U	2015-187	CAWR-14-89228	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Chrysene	218-01-9	N	0.05	—	—	0.016	µg/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Chrysene	218-01-9	N	1.14	—	—	0.34	µg/L	Y	U	U	12-82	CAWR-11-27992	GELC
La Mesita Spring	—	09/22/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Chrysene	218-01-9	N	1.09	—	—	0.22	µg/L	Y	U	U	09-3313	CAWR-09-12480	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.128	1.65	6.51	—	pCi/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.369	1.67	6.69	—	pCi/L	Y	U	U	2016-57	CAWR-16-104419	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	—	10/14/15	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Dibenz(a,h)anthracene	53-70-3	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	RE	FD	SVOC	SW-846:8270DGCMS_SIM	Dibenz(a,h)anthracene	53-70-3	N	0.102	—	—	0.0306	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270DGCMS_SIM	Dibenz(a,h)anthracene	53-70-3	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.556	—	—	0.167	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC

Table C-2 White Rock Canyon 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	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.543	—	—	0.163	µg/L	Y	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Dibenz(a,h)anthracene	53-70-3	Y	0.0737	—	—	0.0316	µg/L	Y	J	J-	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	1.04	—	—	0.313	µg/L	Y	U	U	2015-187	CAWR-14-89228	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Dibenz(a,h)anthracene	53-70-3	N	0.05	—	—	0.016	µg/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1.14	—	—	0.34	µg/L	Y	U	U	12-82	CAWR-11-27992	GELC
La Mesita Spring	—	09/22/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	Y	1.63	—	—	0.22	µg/L	Y	—	J	09-3313	CAWR-09-12480	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	—	—	0.033	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.249	—	—	0.033	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	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	—	10/14/15	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	Y	5.76	1.54	2.99	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	9.44	1.86	2.96	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104419	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	—	10/14/15	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	4.11	0.939	2.77	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.1	0.973	2.9	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104419	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	—	10/14/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	93.5	—	—	0.453	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	91.2	—	—	0.453	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	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	—	10/14/15	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	RE	FD	SVOC	SW-846:8270DGCMS_SIM	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.102	—	—	0.0306	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270DGCMS_SIM	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.103	—	—	0.0309	µg/L	N	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.556	—	—	0.167	µg/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.543	—	—	0.163	µg/L	Y	U	U	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Indeno(1,2,3-cd)pyrene	193-39-5	Y	0.0842	—	—	0.0316	µg/L	Y	J	J-	2016-57	CAWR-16-104419	GELC
La Mesita Spring	—	10/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	1.04	—	—	0.313	µg/L	Y	U	U	2015-187	CAWR-14-89228	GELC
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.05	—	—	0.016	µg/L	Y	U	U	2015-40	CAWR-14-86935	GELC
La Mesita Spring	—	10/12/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Indeno(1,2,3-cd)pyrene	193-39-5	N	1.14	—	—	0.34	µg/L	Y	U	U	12-82	CAWR-11-27992	GELC
La Mesita Spring	—	09/22/09	WG	UF	INIT	REG	SVOC	SW-846:8270C	Indeno(1,2,3-cd)pyrene	193-39-5	N	1.09	—	—	0.22	µg/L	Y	U	UJ	09-3313	CAWR-09-12480	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Iron	Fe	Y	163	—	—	30	µg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.989	—	—	0.11	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.06	—	—	0.11	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2016-57	CAWR-16-104437	GELC

Table C-2 White Rock Canyon 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	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.6	—	—	2	µg/L	Y	J	J	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.26	—	—	2	µg/L	Y	J	J	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.165	µg/L	Y	—	NQ	2016-57	CAWR-16-104398	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	—	10/14/15	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.79	2.83	9.47	—	pCi/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.49	3.19	12.3	—	pCi/L	Y	U	U	2016-57	CAWR-16-104419	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.751	—	—	0.5	µg/L	Y	J	J	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.06	—	—	0.5	µg/L	Y	J	J	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.63	—	—	0.5	µg/L	Y	J	J	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.613	—	—	0.5	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	Nickel	Ni	Y	1.32	—	—	0.5	µg/L	Y	J	J+	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.3	—	—	0.017	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.3	—	—	0.017	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	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	—	10/14/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.733	—	—	0.05	µg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.741	—	—	0.05	µg/L	Y	—	NQ	2016-57	CAWR-16-104437	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
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00435	0.00435	0.0338	—	pCi/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00202	0.00535	0.0314	—	pCi/L	Y	U	U	2016-57	CAWR-16-104419	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	—	10/14/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00651	0.00651	0.044	—	pCi/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00606	0.00881	0.0409	—	pCi/L	Y	U	U	2016-57	CAWR-16-104419	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.5	—	—	0.05	mg/L	Y	E	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.64	—	—	0.05	mg/L	Y	E	NQ	2016-57	CAWR-16-104398	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

Table C-2 White Rock Canyon 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	—	10/14/15	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	20	11.1	47.4	—	pCi/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.1	20.9	83.9	—	pCi/L	Y	U	U	2016-57	CAWR-16-104419	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.63	—	—	1.5	µg/L	Y	J	J	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	Y	1.88	—	—	1.5	µg/L	Y	J	J	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-40	CAWR-14-86962	GELC
La Mesita Spring	—	12/17/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.54	—	—	1.5	µg/L	Y	J	J	2014-2697	CAWR-13-42159	GELC
La Mesita Spring	—	10/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2013-23	CAWR-12-23457	GELC
La Mesita Spring	—	10/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.61	—	—	1.5	µg/L	Y	J	J	12-83	CAWR-11-27990	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	29.7	—	—	0.053	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	30.8	—	—	0.053	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	28.2	—	—	0.1	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	29	—	—	0.1	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	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	—	10/14/15	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.07	1.31	5.74	—	pCi/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.58	1.57	7.06	—	pCi/L	Y	U	U	2016-57	CAWR-16-104419	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	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	308	—	—	3.63	µS/cm	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	311	—	—	3.63	µS/cm	Y	—	NQ	2016-57	CAWR-16-104437	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	783	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	805	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104398	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	—	10/14/15	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0672	0.081	0.339	—	pCi/L	Y	U	U	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0763	0.107	0.422	—	pCi/L	Y	U	U	2016-57	CAWR-16-104419	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	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.4	—	—	0.133	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.4	—	—	0.133	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	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
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

Table C-2 White Rock Canyon 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	—	10/12/11	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	—	10/14/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	267	—	—	3.4	mg/L	Y	—	NQ	2016-57	CAWR-16-104398	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	270	—	—	3.4	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	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	—	10/14/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.215	—	—	0.033	mg/L	Y	—	NQ	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.102	—	—	0.033	mg/L	Y	—	J+	2016-57	CAWR-16-104419	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	—	10/14/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.814	—	—	0.33	mg/L	Y	J	J-	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.816	—	—	0.33	mg/L	Y	J	J-	2016-57	CAWR-16-104419	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	—	10/14/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.923	0.863	2.335	—	pCi/L	Y	—	NQ	2016-106	CAWR-16-104419	ARSL
La Mesita Spring	—	10/14/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.87	0.768	2.512	—	pCi/L	Y	U	U	2016-106	CAWR-16-104396	ARSL
La Mesita Spring	—	10/06/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	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_Tritium	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_Tritium	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_Tritium	Tritium	H-3	N	0.07	1.13	1.95	—	pCi/L	Y	U	U	12-97	CAWR-11-27992	ARSL
La Mesita Spring	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	8.47	—	—	0.067	µg/L	Y	E	NQ	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	8.62	—	—	0.067	µg/L	Y	E	NQ	2016-57	CAWR-16-104398	GELC
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	—	10/14/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.97	0.106	0.0975	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.3	0.0943	0.0895	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104419	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	—	10/14/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.2	0.0243	0.0782	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.143	0.0201	0.0717	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104419	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	—	10/14/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.89	0.0809	0.0713	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104396	GELC
La Mesita Spring	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.73	0.0753	0.0654	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104419	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.24	—	—	1	µg/L	Y	J	J	2016-57	CAWR-16-104437	GELC
La Mesita Spring	—	10/14/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.73	—	—	1	µg/L	Y	J	J	2016-57	CAWR-16-104398	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

Table C-2 White Rock Canyon 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-846:6010B	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
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.43	—	—	0.01	SU	Y	H	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.43	—	—	0.01	SU	Y	H	NQ	2016-38	CAWR-16-104439	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
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	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.06	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.06	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	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	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	123	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	124	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	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	—	10/09/15	WS	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00755	0.00666	0.0407	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0166	0.00711	0.0383	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	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	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.08	—	—	0.017	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.102	—	—	0.017	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.52	—	—	1.7	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	3.33	—	—	1.7	µg/L	Y	J	J	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	3.56	—	—	1.7	µg/L	Y	J	U	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	3.3	—	—	1.7	µg/L	Y	J	U	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.01	—	—	1.7	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	Arsenic	As	Y	3.43	—	—	1.7	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	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	73.6	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	75	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104399	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

Table C-2 White Rock Canyon 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	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37.1	—	—	15	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	36.6	—	—	15	µg/L	Y	J	J	2016-38	CAWR-16-104399	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	39.9	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	39.7	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	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	—	10/09/15	WS	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.44	1.2	4.95	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.07	1.16	3.91	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	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
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	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.36	—	—	0.067	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.31	—	—	0.067	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	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	—	10/09/15	WS	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.89	1.14	5.38	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.827	0.952	3.56	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	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	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.432	—	—	0.033	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.433	—	—	0.033	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	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

Table C-2 White Rock Canyon 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	—	10/09/15	WS	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	Y	2.46	0.797	2.4	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.22	0.856	1.87	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104421	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	—	10/09/15	WS	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.62	0.897	2.86	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.44	0.739	2.16	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104421	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	—	10/09/15	WS	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	128	—	—	0.453	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	129	—	—	0.453	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.07	—	—	0.11	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.07	—	—	0.11	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.36	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.28	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104399	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
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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.99	—	—	0.165	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.87	—	—	0.165	µg/L	Y	—	NQ	2016-38	CAWR-16-104399	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	—	10/09/15	WS	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.15	2.38	8.03	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.75	2.5	8.09	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	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

Table C-2 White Rock Canyon 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	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.718	—	—	0.5	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.556	—	—	0.5	µg/L	Y	J	J	2016-38	CAWR-16-104399	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	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0562	—	—	0.017	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0597	—	—	0.017	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	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	—	10/09/15	WS	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0846	—	—	0.05	µg/L	Y	J	J	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0656	—	—	0.05	µg/L	Y	J	J	2016-38	CAWR-16-104439	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	—	10/09/15	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-8.52E-10	0.00626	0.0397	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00465	0.0362	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	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	—	10/09/15	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00766	0.00921	0.0518	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00233	0.00771	0.0471	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	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
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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.83	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.9	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	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	—	10/09/15	WS	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-0.975	16.4	62.9	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.72	16	64.5	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC

Table C-2 White Rock Canyon 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	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	21	—	—	0.053	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	20.6	—	—	0.053	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	21.9	—	—	0.1	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	20.9	—	—	0.1	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	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	—	10/09/15	WS	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.28	1.53	5.17	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.356	1.19	4.64	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	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	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	325	—	—	3.63	µS/cm	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	329	—	—	3.63	µS/cm	Y	—	NQ	2016-38	CAWR-16-104439	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	310	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	297	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104399	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	—	10/09/15	WS	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.213	0.103	0.476	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.267	0.104	0.466	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	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
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

Table C-2 White Rock Canyon 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	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	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	40.4	—	—	1.33	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	40.6	—	—	1.33	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.33	—	—	2.5	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.31	—	—	2.5	µg/L	Y	J	J	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-40	CAWR-14-86966	GELC
Rio Grande at Otowi Bridge	—	10/06/14	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2015-40	CAWR-14-86884	GELC
Rio Grande at Otowi Bridge	—	12/11/13	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2014-2663	CAWR-13-42160	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2013-23	CAWR-12-23461	GELC
Rio Grande at Otowi Bridge	—	10/02/12	WS	F	INIT	FD	INORGANIC	SW-846:6010B	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	2013-23	CAWR-12-23405	GELC
Rio Grande at Otowi Bridge	—	10/07/10	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	9.69	—	—	2.5	µg/L	Y	J	U	11-91	CAWR-10-25402	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	221	—	—	3.4	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	221	—	—	3.4	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	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	—	10/09/15	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.22	—	—	0.033	mg/L	Y	—	NQ	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.226	—	—	0.033	mg/L	Y	—	NQ	2016-38	CAWR-16-104397	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	—	10/09/15	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.26	—	—	0.33	mg/L	Y	—	J-	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.31	—	—	0.33	mg/L	Y	—	J-	2016-38	CAWR-16-104397	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	—	10/09/15	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	12.29	2.042	2.202	—	pCi/L	Y	—	NQ	2016-53	CAWR-16-104421	ARSL
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	13.128	2.143	2.049	—	pCi/L	Y	—	NQ	2016-53	CAWR-16-104397	ARSL
Rio Grande at Otowi Bridge	—	10/30/14	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.62	1.03	3.294	—	pCi/L	Y	U	U	2015-229	CAWR-14-89237	ARSL
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	13.24	2.161	2.119	—	pCi/L	Y	—	J-	2013-25	CAWR-12-23433	ARSL
Rio Grande at Otowi Bridge	—	10/02/12	WS	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	12.134	1.998	2.085	—	pCi/L	Y	—	J-	2013-25	CAWR-12-23402	ARSL
Rio Grande at Otowi Bridge	—	10/07/10	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	18.998	2.9946	2.415	—	pCi/L	Y	—	NQ	11-115	CAWR-10-25403	ARSL
Rio Grande at Otowi Bridge	—	07/13/10	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	11.8496	1.8998	1.932	—	pCi/L	Y	—	NQ	10-3674	CAWR-10-24226	ARSL
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	3.02	—	—	0.067	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	3.1	—	—	0.067	µg/L	Y	—	NQ	2016-38	CAWR-16-104399	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

Table C-2 White Rock Canyon 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	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	—	10/09/15	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.53	0.0669	0.125	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.55	0.0605	0.102	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104421	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	—	10/09/15	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0786	0.0189	0.1	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0436	0.0151	0.0817	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	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	—	10/09/15	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.09	0.0564	0.0916	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.99	0.0488	0.0745	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104421	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
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	—	10/09/15	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.14	—	—	1	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	—	10/09/15	WS	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.19	—	—	1	µg/L	Y	J	J	2016-38	CAWR-16-104399	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
Sacred Spring	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.61	—	—	0.01	SU	Y	H	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	141	—	—	0.725	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00214	0.00773	0.0347	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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

Table C-2 White Rock Canyon 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	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	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.104	—	—	0.017	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.07	—	—	1.7	µg/L	Y	J	J	2016-57	CAWR-16-104440	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	—	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	—	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
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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	104	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	32.3	—	—	15	µg/L	Y	J	J	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	35.4	—	—	0.05	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.04	1.79	5.18	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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

Table C-2 White Rock Canyon 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	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	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.54	—	—	0.067	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	GELC
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	—	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
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	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.594	1.54	6.3	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.56	—	—	0.033	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.16	1.01	2.94	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.65	0.814	2.34	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104422	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	97.1	—	—	0.453	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	778	—	—	30	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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

Table C-2 White Rock Canyon 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-846:6010B	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.12	—	—	0.11	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	298	—	—	2	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.67	3.68	13.1	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.693	—	—	0.5	µg/L	Y	J	J	2016-57	CAWR-16-104440	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	10	—	—	2.5	µg/L	Y	U	U	2015-207	CAWR-14-89223	GELC
Sacred Spring	—	10/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-207	CAWR-14-89236	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.24	—	—	0.5	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GELC
Sacred Spring	—	12/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.33	—	—	0.5	µg/L	Y	—	NQ	2014-2681	CAWR-13-42128	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.08	—	—	0.5	µg/L	Y	J	J	2013-36	CAWR-12-23462	GELC
Sacred Spring	—	10/03/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.05	—	—	0.5	µg/L	Y	J	J	2013-36	CAWR-12-23406	GELC
Sacred Spring	—	10/14/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.62	—	—	0.5	µg/L	Y	J	J+	12-107	CAWR-11-27993	GELC
Sacred Spring	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00202	0.00452	0.0314	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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
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	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00404	0.00638	0.0409	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	GELC

Table C-2 White Rock Canyon 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: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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.38	—	—	0.05	mg/L	Y	E	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.7	23.8	68.9	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	50.6	—	—	0.053	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	20.6	—	—	0.1	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.03	1.52	4.98	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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
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	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	279	—	—	3.63	µS/cm	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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

Table C-2 White Rock Canyon 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	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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	402	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0236	0.137	0.487	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.48	—	—	0.133	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	261	—	—	3.4	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	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	—	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	—	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	—	10/14/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.885	—	—	0.33	mg/L	Y	J	J-	2016-57	CAWR-16-104422	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	—	10/14/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.55	0.812	2.54	—	pCi/L	Y	U	U	2016-106	CAWR-16-104422	ARSL
Sacred Spring	—	10/30/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	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_Tritium	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_Tritium	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_Tritium	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_Tritium	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_Tritium	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_Tritium	Tritium	H-3	N	0.42	1.21	2.06	—	pCi/L	Y	U	U	12-97	CAWR-11-27994	ARSL
Sacred Spring	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.312	—	—	0.067	µg/L	Y	E	NQ	2016-57	CAWR-16-104440	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	—	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

Table C-2 White Rock Canyon 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	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	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.239	0.0234	0.0899	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104422	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	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0205	0.00811	0.0721	—	pCi/L	Y	U	U	2016-57	CAWR-16-104422	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	—	10/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.158	0.0192	0.0657	—	pCi/L	Y	—	NQ	2016-57	CAWR-16-104422	GELC
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	—	10/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.72	—	—	1	µg/L	Y	J	J	2016-57	CAWR-16-104440	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	—	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	—	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
Spring 1	—	10/09/15	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	2016-38	CAWR-16-104442	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96.5	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.005	0.00613	0.0404	—	pCi/L	Y	U	U	2016-38	CAWR-16-104424	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0561	—	—	0.017	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	GELC

Table C-2 White Rock Canyon 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	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0327	—	—	0.017	mg/L	Y	J	U	2014-4642	CAWR-14-86969	GELC
Spring 1	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.103	—	—	0.017	mg/L	Y	—	NQ	12-1573	CAWR-12-23464	GELC
Spring 1	—	10/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0491	—	—	0.016	mg/L	Y	J	J	12-73	CAWR-11-28001	GELC
Spring 1	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.03	—	—	0.016	mg/L	Y	J	J	10-4767	CAWR-10-25417	GELC
Spring 1	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	5.05	—	—	1.7	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	36.9	—	—	15	µg/L	Y	J	J	2016-38	CAWR-16-104442	GELC
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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.62	1.34	4.39	—	pCi/L	Y	U	U	2016-38	CAWR-16-104424	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.18	—	—	0.067	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.3	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104442	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.526	1.18	4.64	—	pCi/L	Y	U	U	2016-38	CAWR-16-104424	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.521	—	—	0.033	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.63	0.763	1.81	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104424	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

Table C-2 White Rock Canyon 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	—	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.71	0.71	1.96	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104424	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.4	—	—	0.453	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.905	—	—	0.11	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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
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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.58	—	—	0.165	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.31	2.42	8.57	—	pCi/L	Y	U	U	2016-38	CAWR-16-104424	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.389	—	—	0.017	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.327	—	—	0.05	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00247	0.00553	0.0384	—	pCi/L	Y	U	U	2016-38	CAWR-16-104424	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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00247	0.00819	0.0501	—	pCi/L	Y	U	U	2016-38	CAWR-16-104424	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.1	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	Y	56.6	16.5	52.7	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104424	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

Table C-2 White Rock Canyon 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	—	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	31.5	—	—	0.053	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	30.2	—	—	0.1	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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
Spring 1	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.6	1.39	4.78	—	pCi/L	Y	U	U	2016-38	CAWR-16-104424	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	200	—	—	3.63	µS/cm	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	185	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.198	0.0749	0.266	—	pCi/L	Y	U	U	2016-38	CAWR-16-104424	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.08	—	—	0.133	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	100	—	—	3.4	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	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	—	10/09/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.435	—	—	0.33	mg/L	Y	J	J-	2016-38	CAWR-16-104424	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	—	10/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.648	0.906	2.2	—	pCi/L	Y	—	NQ	2016-53	CAWR-16-104424	ARSL
Spring 1	—	09/29/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	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_Tritium	Tritium	H-3	N	1.02	0.639	2.039	—	pCi/L	Y	U	U	2014-2713	CAWR-13-42149	ARSL
Spring 1	—	09/24/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	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_Tritium	Tritium	H-3	N	-0.89	0.68	2.32	—	pCi/L	Y	U	U	12-75	CAWR-11-27999	ARSL

Table C-2 White Rock Canyon 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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.01	—	—	0.067	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	GELC
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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.55	0.0562	0.0867	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104424	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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0717	0.0142	0.0695	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104424	GELC
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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.838	0.0412	0.0634	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104424	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15.6	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	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 2	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	108	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0135	0.00976	0.0437	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0174	—	—	0.017	mg/L	Y	J	J	2016-38	CAWR-16-104443	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	6.48	—	—	1.7	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.3	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	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

Table C-2 White Rock Canyon 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	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	43.8	—	—	15	µg/L	Y	J	J	2016-38	CAWR-16-104443	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
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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.4	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.14	1.83	7.25	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.08	—	—	0.067	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.58	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.793	1.38	5.29	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.484	—	—	0.033	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.73	1.1	3	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.709	0.508	1.67	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.7	—	—	0.453	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.646	—	—	0.11	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	GELC

Table C-2 White Rock Canyon 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	—	10/29/14	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.07	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104443	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.69	—	—	0.165	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.42	3.16	11.2	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.162	—	—	0.017	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.15	—	—	0.05	µg/L	Y	J	J	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00559	0.00791	0.0435	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00559	0.0079	0.0566	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.92	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-48.6	23.7	81.2	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	32.5	—	—	0.053	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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
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

Table C-2 White Rock Canyon 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	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	40.1	—	—	0.1	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.637	2.01	7.58	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	221	—	—	3.63	µS/cm	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	183	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.319	0.107	0.485	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.32	—	—	0.133	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	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	—	10/09/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.611	—	—	0.33	mg/L	Y	J	J-	2016-38	CAWR-16-104425	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	—	10/09/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.794	0.681	2.001	—	pCi/L	Y	U	U	2016-53	CAWR-16-104425	ARSL
Spring 2	—	10/29/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	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_Tritium	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_Tritium	Tritium	H-3	N	-0.57	0.62	2.12	—	pCi/L	Y	U	U	12-75	CAWR-11-28002	ARSL
Spring 2	—	09/27/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	3.864	1.0626	2.737	—	pCi/L	Y	—	U	11-28	CAWR-10-25422	ARSL
Spring 2	—	09/27/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	5.2808	1.1914	2.737	—	pCi/L	N	—	R	11-28	CAWR-10-25422	ARSL
Spring 2	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.66	—	—	0.067	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	GELC
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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.14	0.0477	0.0853	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104425	GELC

Table C-2 White Rock Canyon 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	—	10/29/14	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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0486	0.0119	0.0684	—	pCi/L	Y	U	U	2016-38	CAWR-16-104425	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	—	10/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.561	0.0337	0.0623	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104425	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	—	10/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.9	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	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 3A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	J-	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.85	—	—	0.01	SU	Y	H	J-	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	J-	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.3	—	—	0.725	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.3	—	—	0.725	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.5	—	—	0.725	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.3	—	—	0.73	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.1	—	—	0.73	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.1	—	—	0.73	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00235	0.00622	0.038	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00271	0.0047	0.0344	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00239	0.00414	0.0311	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00454	0.0296	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00233	0.00404	0.0318	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00536	0.004	0.029	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.41	—	—	1.7	µg/L	Y	J	J	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.46	—	—	1.7	µg/L	Y	J	U	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.97	—	—	1.7	µg/L	Y	J	J	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.2	—	—	1.7	µg/L	Y	J	J	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.8	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	33.9	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.7	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.8	—	—	1	µg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.7	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.9	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23	—	—	15	µg/L	Y	J	J	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.2	—	—	15	µg/L	Y	J	J	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.1	—	—	15	µg/L	Y	J	J	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.4	—	—	15	µg/L	Y	J	J	12-16	CAWR-11-28007	GELC

Table C-2 White Rock Canyon 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 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	µg/L	Y	J	J	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.9	—	—	15	µg/L	Y	J	J	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.4	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.4	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.7	—	—	0.05	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.4	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.5	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.213	1.72	6.17	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.895	1.57	5.69	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.53	1.59	5.29	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.4	1.77	5.79	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.684	1.43	5.18	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.67	1.4	5.2	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.8	—	—	0.067	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.31	—	—	0.067	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.04	—	—	0.067	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.87	—	—	0.066	mg/L	Y	—	J+	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.86	—	—	0.066	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.85	—	—	0.066	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.74	—	—	2	µg/L	Y	J	J	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.56	—	—	2	µg/L	Y	J	J	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.6	—	—	2	µg/L	Y	J	J	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	RE	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.85	—	—	2.5	µg/L	Y	J	J	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.84	—	—	2.5	µg/L	Y	J	J	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.99	—	—	2.5	µg/L	N	J	R	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.49	—	—	2.5	µg/L	N	J	R	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.85	1.38	6.09	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.96	1.66	5.14	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.851	1.48	6.02	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.14	1.58	6.64	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.4	1.28	5.24	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.56	1.6	5.7	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.413	—	—	0.033	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.354	—	—	0.033	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.33	—	—	0.033	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.391	—	—	0.033	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.36	—	—	0.033	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.357	—	—	0.033	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	11.3	0.936	1.62	—	pCi/L	Y	—	NQ	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.91	0.72	2.1	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.64	1.02	2.86	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	2.5	1.05	2.71	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.445	0.634	2.33	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.268	0.61	2.5	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.18	0.524	1.64	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.71	0.87	2.78	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.66	0.937	2.96	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.88	1.04	2.97	—	pCi/L	Y	—	NQ	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.65	0.96	2.96	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.41	0.94	2	—	pCi/L	Y	—	NQ	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.3	—	—	0.453	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC

Table C-2 White Rock Canyon 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 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.8	—	—	0.453	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.7	—	—	0.453	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.5	—	—	0.45	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.3	—	—	0.35	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61	—	—	0.35	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.81	—	—	0.11	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.92	—	—	0.11	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.76	—	—	0.11	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2	—	—	0.11	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.8	—	—	0.085	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.83	—	—	0.085	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.775	—	—	0.165	µg/L	Y	—	J	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.09	—	—	0.165	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.17	µg/L	Y	—	J	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.1	µg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.1	µg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.93	3.51	11.9	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.627	2.84	9.98	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.72	2.92	9.88	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.11	3.33	12.1	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.13	2.73	9.45	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.02	3.3	11	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.06	—	—	0.085	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.08	—	—	0.017	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.05	—	—	0.085	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.04	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.03	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.473	—	—	0.05	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.462	—	—	0.05	µg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.43	—	—	0.05	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.462	—	—	0.05	µg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.486	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.466	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00202	0.00536	0.0315	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0141	0.0094	0.0349	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00337	0.0243	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00549	0.00776	0.028	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00257	0.00445	0.0293	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00429	0.0074	0.037	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00607	0.0097	0.041	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00705	0.00779	0.0308	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.019	0.00952	0.0372	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00274	0.0091	0.0429	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0103	0.00813	0.0348	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00859	0.0053	0.036	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.92	—	—	0.05	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.97	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.88	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.16	—	—	0.05	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	3.01	—	—	0.05	mg/L	Y	E	J	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.04	—	—	0.05	mg/L	Y	E	J	10-4825	CAWR-10-25436	GELC

Table C-2 White Rock Canyon 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 3A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.47	21.8	8.64	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.5	25.3	55.3	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.7	17.8	73.2	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	25.8	24.7	61.1	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.27	15.5	59.6	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.95	18	68	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	48.6	—	—	0.053	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	49.6	—	—	0.053	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	51.9	—	—	0.053	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	50.7	—	—	0.053	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48.5	—	—	0.053	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48.2	—	—	0.053	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.3	—	—	0.1	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	15	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.189	1.68	6.38	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.601	1.4	4.41	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.13	1.26	4.6	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.004	1.48	5.7	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.018	1.19	4.52	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.669	1.5	4.7	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	3.63	µS/cm	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	3.63	µS/cm	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	µS/cm	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	1	µS/cm	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	µS/cm	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	195	—	—	1	µS/cm	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	222	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	238	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	235	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	245	—	—	1	µg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	233	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	234	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.154	0.106	0.404	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.2	0.158	0.528	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.247	0.0894	0.461	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.283	0.141	0.457	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0168	0.128	0.479	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00529	0.14	0.49	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.18	—	—	0.133	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.77	—	—	0.133	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.51	—	—	0.133	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.15	—	—	0.1	mg/L	Y	—	J+	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.26	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.2	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.84	—	—	2.5	µg/L	Y	J	J	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	10-4825	CAWR-10-25436	GELC

Table C-2 White Rock Canyon 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 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	174	—	—	3.4	mg/L	Y	—	J	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	J	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	2.4	mg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	2.4	mg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0763	—	—	0.017	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	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	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0182	—	—	0.017	mg/L	Y	J	U	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	4.34	—	—	0.15	mg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.025	—	—	0.015	mg/L	Y	J	U	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.022	—	—	0.015	mg/L	Y	J	U	10-4825	CAWR-10-25436	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.38	—	—	0.067	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.4	—	—	0.067	µg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.46	—	—	0.067	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.66	—	—	0.067	µg/L	Y	—	J+	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.5	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.42	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.863	0.045	0.101	—	pCi/L	Y	—	NQ	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.801	0.0485	0.0718	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.02	0.0531	0.0538	—	pCi/L	Y	—	NQ	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.928	0.051	0.0539	—	pCi/L	Y	—	NQ	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.663	0.0457	0.0492	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.81	0.074	0.044	—	pCi/L	Y	—	NQ	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0519	0.0129	0.0811	—	pCi/L	Y	U	U	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0247	0.0117	0.0502	—	pCi/L	Y	U	U	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0131	0.0104	0.0339	—	pCi/L	Y	U	U	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0362	0.0127	0.0339	—	pCi/L	Y	—	U	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0138	0.00848	0.0357	—	pCi/L	Y	U	U	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0161	0.012	0.032	—	pCi/L	Y	U	U	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.497	0.0348	0.0739	—	pCi/L	Y	—	NQ	2016-39	CAWR-16-104426	GELC
Spring 3A	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.505	0.0381	0.0382	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86945	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.617	0.041	0.0285	—	pCi/L	Y	—	NQ	2014-2583	CAWR-13-42151	GELC
Spring 3A	—	12/02/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.583	0.0397	0.0286	—	pCi/L	Y	—	NQ	2014-2583	CAWR-13-42127	GELC
Spring 3A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.367	0.0335	0.0335	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23439	GELC
Spring 3A	—	10/03/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.438	0.046	0.051	—	pCi/L	Y	—	NQ	12-17	CAWR-11-28005	GELC
Spring 3A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.8	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GELC
Spring 3A	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.4	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86972	GELC
Spring 3A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.8	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GELC
Spring 3A	—	10/03/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.6	—	—	1	µg/L	Y	—	NQ	12-16	CAWR-11-28007	GELC
Spring 3A	—	09/27/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.1	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25441	GELC
Spring 3A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.4	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25436	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.4	—	—	0.01	SU	Y	H	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.61	—	—	0.01	SU	Y	H	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.43	—	—	0.01	SU	Y	H	J-	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.33	—	—	0.01	SU	Y	H	J-	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.48	—	—	0.01	SU	Y	H	J-	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.8	—	—	0.725	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.3	—	—	0.725	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.5	—	—	0.725	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.7	—	—	0.73	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC

Table C-2 White Rock Canyon 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 4	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.7	—	—	0.73	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.1	—	—	0.73	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00997	0.00869	0.0322	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0103	0.0103	0.0436	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00485	0.00485	0.0331	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00688	0.0051	0.038	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00572	0.0051	0.031	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00152	0.0016	0.031	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.06	—	—	1.7	µg/L	Y	J	J	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	3.57	—	—	1.7	µg/L	Y	J	U	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.14	—	—	1.7	µg/L	Y	J	J	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.91	—	—	1.7	µg/L	Y	J	J	12-45	CAWR-11-28013	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-45	CAWR-11-28016	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.9	—	—	1	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	44.4	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.4	—	—	1	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.8	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.6	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	40	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20	—	—	15	µg/L	Y	J	J	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.5	—	—	15	µg/L	Y	J	J	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.9	—	—	15	µg/L	Y	J	J	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.6	—	—	15	µg/L	Y	J	J	12-45	CAWR-11-28013	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	µg/L	Y	J	J	12-45	CAWR-11-28016	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.3	—	—	15	µg/L	Y	J	J	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0944	—	—	0.067	mg/L	Y	J	J	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.101	—	—	0.067	mg/L	Y	J	J	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.117	—	—	0.067	mg/L	Y	J	J	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.104	—	—	0.066	mg/L	Y	J	J	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.108	—	—	0.066	mg/L	Y	J	J	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.129	—	—	0.066	mg/L	Y	J	J	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	Y	0.36	—	—	0.3	µg/L	Y	HJ	J-	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	1	—	—	0.3	µg/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	1	—	—	0.3	µg/L	Y	U	UJ	12-1566	CAWR-12-23397	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	1	—	—	0.25	µg/L	Y	U	U	12-44	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	1	—	—	0.25	µg/L	Y	U	U	12-44	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	1	—	—	0.25	µg/L	Y	U	U	10-4795	CAWR-10-25433	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.1	—	—	0.05	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.6	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23	—	—	0.05	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.2	—	—	0.05	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.1	—	—	0.05	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.859	1.48	5.76	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.43	1.17	3.82	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.55	1.53	4.99	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.393	1.3	4.5	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.56	1.5	5.3	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.499	1.3	4.5	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.3	—	—	0.067	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.74	—	—	0.067	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.66	—	—	0.067	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC

Table C-2 White Rock Canyon 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 4	—	10/05/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.7	—	—	0.066	mg/L	Y	—	J+	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.7	—	—	0.066	mg/L	Y	—	J+	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.46	—	—	0.066	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.85	1.73	6.5	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.49	1.45	4.22	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0302	1.53	5.82	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.98	1.8	6.6	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.2	1.3	5.1	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.78	1.2	3.2	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	5.38	—	—	1.61	µg/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	Y	0.31	—	—	0.3	µg/L	Y	HJ	J-	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	10.5	—	—	3.16	µg/L	Y	U	U	2014-4645	CAWR-14-86897	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	1	—	—	0.3	µg/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dichlorobenzene[1,2-]	95-50-1	N	10.4	—	—	3.13	µg/L	Y	U	U	12-1566	CAWR-12-23397	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	1	—	—	0.3	µg/L	Y	U	U	12-1566	CAWR-12-23397	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Dichlorobenzene[1,2-]	95-50-1	N	11.4	—	—	3.4	µg/L	Y	U	U	12-44	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dichlorobenzene[1,2-]	95-50-1	N	10	—	—	3	µg/L	Y	U	U	12-44	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	1	—	—	0.25	µg/L	Y	U	U	12-44	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	1	—	—	0.25	µg/L	Y	U	U	12-44	CAWR-11-28011	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	1	—	—	0.25	µg/L	Y	U	U	10-4795	CAWR-10-25433	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dichlorobenzene[1,2-]	95-50-1	N	11.6	—	—	2.3	µg/L	Y	U	U	10-4795	CAWR-10-25433	GELC
Spring 4	—	10/13/15	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Dichlorobenzidine[3,3'-]	91-94-1	Y	0.0722	—	—	0.0402	µg/L	Y	BJ	J	2016-49	CAWR-16-104427	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Dichlorobenzidine[3,3'-]	91-94-1	N	0.104	—	—	0.0406	µg/L	N	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	5.38	—	—	1.61	µg/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	10.5	—	—	3.16	µg/L	Y	U	U	2014-4645	CAWR-14-86897	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	5.38	—	—	1.61	µg/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	10.5	—	—	3.16	µg/L	Y	U	U	2014-4645	CAWR-14-86897	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	25	—	—	5.9	µg/L	Y	U	U	2014-4646	CAWR-14-86897	SHEALY
Spring 4	—	09/24/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dichlorobenzidine[3,3'-]	91-94-1	N	10.4	—	—	3.13	µg/L	Y	U	U	12-1566	CAWR-12-23397	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dichlorobenzidine[3,3'-]	91-94-1	N	10	—	—	3	µg/L	Y	U	U	12-44	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Dichlorobenzidine[3,3'-]	91-94-1	N	11.4	—	—	3.4	µg/L	Y	U	U	12-44	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dichlorobenzidine[3,3'-]	91-94-1	N	11.6	—	—	2.3	µg/L	Y	U	U	10-4795	CAWR-10-25433	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.45	—	—	0.033	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.39	—	—	0.033	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.373	—	—	0.033	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.438	—	—	0.033	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.44	—	—	0.033	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.399	—	—	0.033	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.134	0.496	1.82	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.549	0.805	3	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.183	0.508	2.19	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.567	0.53	2	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.36	0.81	2.4	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.2	0.77	2.4	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.478	0.541	2	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.438	0.811	2.89	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.45	0.78	2.27	—	pCi/L	Y	—	NQ	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.29	0.86	2.5	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	-0.211	0.59	2.3	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.31	0.84	2.4	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.4	—	—	0.453	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	78.1	—	—	0.453	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.6	—	—	0.453	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.5	—	—	0.45	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.2	—	—	0.45	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC

Table C-2 White Rock Canyon 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 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	74.2	—	—	0.35	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.4	—	—	0.11	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.65	—	—	0.11	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.43	—	—	0.11	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.48	—	—	0.11	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.48	—	—	0.11	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.4	—	—	0.085	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.165	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	—	—	0.165	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.17	µg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.17	µg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.1	µg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Naphthalene	91-20-3	N	0.103	—	—	0.0309	µg/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Naphthalene	91-20-3	N	0.104	—	—	0.0313	µg/L	N	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	Y	0.78	—	—	0.4	µg/L	Y	HJ	J-	2016-49	CAWR-16-104427	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.538	—	—	0.161	µg/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Naphthalene	91-20-3	N	0.51	—	—	0.153	µg/L	Y	U	U	2014-4645	CAWR-14-86897	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.4	µg/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1.04	—	—	0.313	µg/L	Y	U	U	12-1566	CAWR-12-23397	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.4	µg/L	Y	U	U	12-1566	CAWR-12-23397	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1	—	—	0.3	µg/L	Y	U	U	12-44	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.25	µg/L	Y	U	U	12-44	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1.14	—	—	0.34	µg/L	Y	U	U	12-44	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.25	µg/L	Y	U	U	12-44	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	1	—	—	0.25	µg/L	Y	U	U	10-4795	CAWR-10-25433	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Naphthalene	91-20-3	N	1.16	—	—	0.35	µg/L	Y	U	U	10-4795	CAWR-10-25433	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.262	3.36	12	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.82	2.21	8.24	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.876	3.44	12	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.92	3	10	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.942	3.5	11	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.77	2.6	8.8	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.13	—	—	0.085	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.6	—	—	0.085	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.16	—	—	0.085	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.32	—	—	0.05	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.25	—	—	0.05	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.34	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.675	—	—	0.05	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.657	—	—	0.05	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.585	—	—	0.05	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.601	—	—	0.05	µg/L	Y	—	J+	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.606	—	—	0.05	µg/L	Y	—	J+	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.746	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00466	0.00807	0.0362	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00656	0.00489	0.0325	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00702	0.00523	0.0266	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0089	0.039	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0106	0.011	0.037	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0021	0.024	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00932	0.00807	0.0472	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00437	0.00536	0.0287	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC

Table C-2 White Rock Canyon 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 4	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00234	0.00619	0.0316	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0156	0.0074	0.038	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0052	0.036	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00212	0.0037	0.041	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.6	—	—	0.05	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.56	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.68	—	—	0.05	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.84	—	—	0.05	mg/L	Y	E	J	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.8	—	—	0.05	mg/L	Y	E	J	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.77	—	—	0.05	mg/L	Y	E	J	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.7	22.7	87.8	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.1	15.6	50.7	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	24.5	20.8	81.4	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-39.7	20	56	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	12	19	65	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-26.6	15	52	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.6	—	—	1.5	µg/L	Y	J	J	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.62	—	—	1.5	µg/L	Y	J	J	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.53	—	—	1.5	µg/L	Y	J	J	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.24	—	—	1	µg/L	Y	J	J	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53.8	—	—	0.053	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52	—	—	0.053	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	55.5	—	—	0.053	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	53.9	—	—	0.053	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54.5	—	—	0.053	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	51.3	—	—	0.053	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.77	1.92	7.89	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.33	1.38	5.45	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.21	1.19	5.12	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.215	1.6	5.1	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.504	1.5	5	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.32	1.4	4.8	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	206	—	—	3.63	µS/cm	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	3.63	µS/cm	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	219	—	—	1	µS/cm	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	207	—	—	1	µS/cm	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	207	—	—	1	µS/cm	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	218	—	—	1	µS/cm	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	134	—	—	1	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	137	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	134	—	—	1	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	136	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	135	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	133	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.246	0.11	0.476	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC

Table C-2 White Rock Canyon 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 4	—	09/29/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.317	0.123	0.486	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.285	0.119	0.475	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.307	0.13	0.49	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.29	0.13	0.48	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.221	0.12	0.48	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.133	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.1	—	—	0.133	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.58	—	—	0.133	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.58	—	—	0.1	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.54	—	—	0.1	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.66	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	239	—	—	3.4	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	3.4	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	3.4	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	3.4	mg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	2.4	mg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.364	—	—	0.33	mg/L	Y	J	J-	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.34	—	—	0.33	mg/L	Y	—	NQ	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.767	—	—	0.33	mg/L	Y	J	J	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.861	—	—	0.33	mg/L	Y	J	J	12-44	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.764	—	—	0.33	mg/L	Y	J	J	12-44	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.622	—	—	0.33	mg/L	Y	J	J	10-4824	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	Y	0.92	—	—	0.3	µg/L	Y	HJ	J-	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	1	—	—	0.3	µg/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	1	—	—	0.3	µg/L	Y	U	U	12-1566	CAWR-12-23397	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	1	—	—	0.33	µg/L	Y	U	U	12-44	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	1	—	—	0.33	µg/L	Y	U	U	12-44	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	1	—	—	0.33	µg/L	Y	U	U	10-4795	CAWR-10-25433	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	5.38	—	—	1.61	µg/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	Y	0.73	—	—	0.3	µg/L	Y	HJ	J-	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	10.5	—	—	3.16	µg/L	Y	U	U	2014-4645	CAWR-14-86897	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	1	—	—	0.3	µg/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Trichlorobenzene[1,2,4-]	120-82-1	N	10.4	—	—	3.13	µg/L	Y	U	U	12-1566	CAWR-12-23397	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	1	—	—	0.3	µg/L	Y	U	UJ	12-1566	CAWR-12-23397	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	1	—	—	0.3	µg/L	Y	U	U	12-44	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Trichlorobenzene[1,2,4-]	120-82-1	N	11.4	—	—	3.4	µg/L	Y	U	U	12-44	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Trichlorobenzene[1,2,4-]	120-82-1	N	10	—	—	3	µg/L	Y	U	U	12-44	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	1	—	—	0.3	µg/L	Y	U	U	12-44	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	1	—	—	0.3	µg/L	Y	U	U	10-4795	CAWR-10-25433	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Trichlorobenzene[1,2,4-]	120-82-1	N	11.6	—	—	2.3	µg/L	Y	U	U	10-4795	CAWR-10-25433	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.865	—	—	0.067	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.773	—	—	0.067	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.01	—	—	0.067	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.06	—	—	0.067	µg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.05	—	—	0.067	µg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.859	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.572	0.0361	0.0979	—	pCi/L	Y	—	NQ	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.567	0.039	0.0646	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.617	0.0523	0.0659	—	pCi/L	Y	—	NQ	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.703	0.075	0.066	—	pCi/L	Y	—	NQ	12-46	CAWR-11-28011	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.608	0.056	0.037	—	pCi/L	Y	—	NQ	12-46	CAWR-11-28014	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.653	0.062	0.042	—	pCi/L	Y	—	NQ	10-4826	CAWR-10-25434	GELC

Table C-2 White Rock Canyon 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 4	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0168	0.00968	0.0786	—	pCi/L	Y	U	U	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0349	0.0123	0.0452	—	pCi/L	Y	U	U	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0371	0.016	0.0478	—	pCi/L	Y	U	U	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0221	0.008	0.027	—	pCi/L	Y	U	U	12-46	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0069	0.048	—	pCi/L	Y	U	U	12-46	CAWR-11-28011	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0278	0.0095	0.033	—	pCi/L	Y	U	U	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.28	0.0256	0.0716	—	pCi/L	Y	—	NQ	2016-49	CAWR-16-104427	GELC
Spring 4	—	09/29/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.331	0.0298	0.0344	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86947	GELC
Spring 4	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.382	0.04	0.0448	—	pCi/L	Y	—	NQ	12-1575	CAWR-12-23441	GELC
Spring 4	—	10/05/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.322	0.035	0.044	—	pCi/L	Y	—	NQ	12-46	CAWR-11-28014	GELC
Spring 4	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.401	0.05	0.077	—	pCi/L	Y	—	NQ	12-46	CAWR-11-28011	GELC
Spring 4	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.402	0.043	0.026	—	pCi/L	Y	—	NQ	10-4826	CAWR-10-25434	GELC
Spring 4	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.65	—	—	1	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GELC
Spring 4	—	09/29/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.87	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GELC
Spring 4	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.66	—	—	1	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GELC
Spring 4	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.74	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28013	GELC
Spring 4	—	10/05/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.14	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28016	GELC
Spring 4	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.61	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25432	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	—	—	0.01	SU	Y	H	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	J-	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	J-	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.3	—	—	0.725	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.8	—	—	0.725	mg/L	Y	H	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.4	—	—	0.725	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.9	—	—	0.73	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	100	—	—	0.73	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0145	0.009	0.0334	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00781	0.00957	0.0495	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00599	0.00528	0.026	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00261	0.00453	0.0357	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00742	0.0037	0.03	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0221	—	—	0.017	mg/L	Y	J	J	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0345	—	—	0.017	mg/L	Y	J	J	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.174	—	—	0.017	mg/L	Y	—	J-	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.24	—	—	1.7	µg/L	Y	J	J	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.5	—	—	1.7	µg/L	Y	J	J	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.48	—	—	1.7	µg/L	Y	J	J	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.9	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.9	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	42.5	—	—	1	µg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	42.8	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.7	—	—	15	µg/L	Y	J	J	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.5	—	—	15	µg/L	Y	J	J	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.2	—	—	15	µg/L	Y	J	J	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.6	—	—	15	µg/L	Y	J	J	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.4	—	—	15	µg/L	Y	J	J	10-4825	CAWR-10-25450	GELC

Table C-2 White Rock Canyon 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 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0689	—	—	0.067	mg/L	Y	J	J	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0863	—	—	0.067	mg/L	Y	J	J	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.092	—	—	0.066	mg/L	Y	J	J	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.1	—	—	0.05	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.7	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.6	—	—	0.05	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.1	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.37	1.77	5.55	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.203	1.05	3.75	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.577	1.63	5.68	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.181	1.41	5.1	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.11	2	6.5	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.81	—	—	0.067	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.49	—	—	0.067	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.39	—	—	0.067	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.36	—	—	0.066	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.18	—	—	0.066	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.86	—	—	2	µg/L	Y	J	J	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.73	—	—	2	µg/L	Y	J	J	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.71	—	—	2	µg/L	Y	J	J	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.43	—	—	2	µg/L	Y	J	J	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.25	—	—	2.5	µg/L	Y	J	J	10-4825	CAWR-10-25450	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.31	—	—	2.5	µg/L	N	J	R	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.52	1.27	5.79	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.573	1.11	3.94	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.44	1.49	6.29	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.28	1.58	4.68	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.03	1.1	4.1	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.463	—	—	0.033	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.432	—	—	0.033	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.421	—	—	0.033	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.461	—	—	0.033	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.424	—	—	0.033	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.313	0.395	1.39	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.759	0.765	2.69	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.561	0.735	2.92	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.01	0.955	2.85	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.35	1.1	2.2	—	pCi/L	Y	—	NQ	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.56	0.881	2.89	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.83	0.926	2.7	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.728	0.473	1.56	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.04	0.728	1.87	—	pCi/L	Y	—	NQ	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.5	0.88	2.5	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.9	—	—	0.453	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	71.5	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.9	—	—	0.453	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	77.8	—	—	0.45	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.3	—	—	0.35	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.89	—	—	0.11	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC

Table C-2 White Rock Canyon 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 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.18	—	—	0.11	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.75	—	—	0.085	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.17	µg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.1	µg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.15	3.01	10.8	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.37	2.06	7.06	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.476	2.55	9.13	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.31	2.74	10.4	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.71	2	6.8	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.13	—	—	0.085	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.11	—	—	0.017	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.07	—	—	0.085	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.19	—	—	0.05	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.09	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.604	—	—	0.05	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.589	—	—	0.05	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.554	—	—	0.05	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.559	—	—	0.05	µg/L	Y	—	J+	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.63	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00749	0.0066	0.0388	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00232	0.00613	0.0344	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00238	0.00533	0.0243	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00262	0.00455	0.0299	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00329	0.0074	0.029	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0125	0.00827	0.0506	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00232	0.00897	0.0304	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0167	0.00982	0.0373	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00525	0.00525	0.0355	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00658	0.004	0.028	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.23	—	—	0.05	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.05	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.21	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.29	—	—	0.05	mg/L	Y	E	J	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.54	19.9	77.2	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.91	15.6	55.1	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-42.2	16.3	54	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.06	16.6	66.3	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-32.4	17	45	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.8	—	—	0.053	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.6	—	—	0.053	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.1	—	—	0.053	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.7	—	—	0.053	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.3	—	—	0.053	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC

Table C-2 White Rock Canyon 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 4A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.023	1.8	6.73	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.36	0.991	4	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0979	1.39	5.44	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.26	1.03	3.43	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.268	1.2	4	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	3.63	µS/cm	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	189	—	—	3.63	µS/cm	Y	H	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	1	µS/cm	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	195	—	—	1	µS/cm	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	207	—	—	1	µS/cm	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	94.5	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	97.8	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	105	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	105	—	—	1	µg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0601	0.11	0.374	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0441	0.131	0.481	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.023	0.129	0.473	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0932	0.134	0.488	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.322	0.15	0.48	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.17	—	—	0.133	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.68	—	—	0.133	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.62	—	—	0.133	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.48	—	—	0.1	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.43	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	113	—	—	3.4	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	—	3.4	mg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	2.4	mg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0777	—	—	0.017	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0487	—	—	0.017	mg/L	Y	J	U	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0421	—	—	0.017	mg/L	Y	J	J	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.042	—	—	0.015	mg/L	Y	J	J	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.03	—	—	0.015	mg/L	Y	J	U	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.1	—	—	0.067	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.14	—	—	0.067	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.2	—	—	0.067	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.28	—	—	0.067	µg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.15	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.945	0.048	0.104	—	pCi/L	Y	—	NQ	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.907	0.0538	0.0761	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.933	0.0467	0.0462	—	pCi/L	Y	—	NQ	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.73	0.0547	0.0618	—	pCi/L	Y	—	NQ	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.874	0.078	0.041	—	pCi/L	Y	—	NQ	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0414	0.0125	0.0831	—	pCi/L	Y	U	U	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0187	0.0135	0.0533	—	pCi/L	Y	U	U	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0197	0.0116	0.0291	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42152	GELC
Spring 4A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00435	0.0144	0.0449	—	pCi/L	Y	U	U	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0182	0.0097	0.03	—	pCi/L	Y	U	U	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.433	0.0332	0.0758	—	pCi/L	Y	—	NQ	2016-39	CAWR-16-104428	GELC
Spring 4A	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.408	0.0362	0.0406	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86948	GELC
Spring 4A	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.354	0.0298	0.0245	—	pCi/L	Y	—	NQ	2014-2599	CAWR-13-42152	GELC

Table C-2 White Rock Canyon 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 4A	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.397	0.038	0.0421	—	pCi/L	Y	—	NQ	12-1570	CAWR-12-23442	GELC
Spring 4A	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.443	0.046	0.048	—	pCi/L	Y	—	NQ	12-29	CAWR-11-28018	GELC
Spring 4A	—	10/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.8	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GELC
Spring 4A	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.03	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GELC
Spring 4A	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.14	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GELC
Spring 4A	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.47	—	—	1	µg/L	Y	—	NQ	12-28	CAWR-11-28020	GELC
Spring 4A	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.53	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25450	GELC
Spring 4AA	—	10/13/15	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	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.51	—	—	0.01	SU	Y	H	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	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	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.7	—	—	0.01	SU	Y	H	J-	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.67	—	—	0.01	SU	Y	H	J-	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.8	—	—	0.725	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.3	—	—	0.725	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.1	—	—	0.725	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85.5	—	—	0.73	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.2	—	—	0.73	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00572	0.0327	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00329	0.0153	0.0275	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00888	0.00662	0.0404	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00188	0.0056	0.031	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00676	0.0043	0.034	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0836	—	—	0.017	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.164	—	—	0.017	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.4	—	—	1.7	µg/L	Y	J	J	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.38	—	—	1.7	µg/L	Y	J	J	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.9	—	—	1	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.7	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.1	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.6	—	—	1	µg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.5	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.9	—	—	15	µg/L	Y	J	J	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	21.5	—	—	15	µg/L	Y	J	J	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.9	—	—	15	µg/L	Y	J	J	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.7	—	—	15	µg/L	Y	J	J	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.2	—	—	15	µg/L	Y	J	J	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.119	—	—	0.067	mg/L	Y	J	J	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0933	—	—	0.067	mg/L	Y	J	J	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.102	—	—	0.066	mg/L	Y	J	J	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.128	—	—	0.066	mg/L	Y	J	J	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.1	—	—	0.05	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.1	—	—	0.05	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.399	1.31	4.82	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC

Table C-2 White Rock Canyon 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 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0766	1.7	4.39	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.491	1.25	4.52	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.87	0.8	2.8	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.508	1.6	5.2	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.85	—	—	0.067	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.27	—	—	0.067	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.25	—	—	0.067	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.08	—	—	0.066	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.95	—	—	0.066	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.12	—	—	2	µg/L	Y	J	J	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.92	—	—	2	µg/L	Y	J	J	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.16	—	—	2	µg/L	Y	J	J	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.81	—	—	2	µg/L	Y	J	J	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.77	—	—	2.5	µg/L	Y	J	J	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.41	—	—	2.5	µg/L	N	J	R	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.44	1.51	5.93	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.9	1.22	4.34	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.03	1.51	6	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.11	1	2.9	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.556	1.8	5.6	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.444	—	—	0.033	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.429	—	—	0.033	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.396	—	—	0.033	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.462	—	—	0.033	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.449	—	—	0.033	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.11	0.354	0.995	—	pCi/L	Y	—	NQ	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.45	0.565	2.78	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.861	0.749	2.68	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.246	0.56	2.4	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.684	0.64	2.4	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.48	0.74	2.4	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.24	0.806	2.66	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.47	0.932	2.2	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.84	0.88	2.4	—	pCi/L	Y	—	NQ	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.54	0.87	2.5	—	pCi/L	Y	—	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.1	—	—	0.453	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.5	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.8	—	—	0.453	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.8	—	—	0.45	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	77.5	—	—	0.35	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.44	—	—	0.11	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.4	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.23	—	—	0.11	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.98	—	—	0.11	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.48	—	—	0.085	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.165	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	—	0.17	µg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	—	0.1	µg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.88	2.3	7.38	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.65	2.14	7.52	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.23	2.28	7.9	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC

Table C-2 White Rock Canyon 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 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.17	1.7	5.3	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.14	3	10	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.01	—	—	0.017	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.956	—	—	0.017	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.935	—	—	0.085	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.14	—	—	0.05	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.865	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.673	—	—	0.05	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.616	—	—	0.05	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.577	—	—	0.05	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.629	—	—	0.05	µg/L	Y	—	J+	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.656	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00607	0.00671	0.0315	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00258	0.00683	0.0383	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00725	0.00725	0.0412	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00569	0.0063	0.033	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0021	0.023	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00405	0.00757	0.041	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00258	0.00855	0.0338	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0109	0.0081	0.049	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0027	0.032	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00614	0.0046	0.04	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.94	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.01	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.27	—	—	0.05	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.09	—	—	0.05	mg/L	Y	E	J	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.7	20	44.6	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.3	14.7	51.6	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.9	16.8	67	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.5	13	39	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.4	20	71	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.1	—	—	0.053	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.4	—	—	0.053	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67	—	—	0.053	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.58	1.34	3.88	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.36	1.03	4.43	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.477	1.54	5.66	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0911	0.86	2.8	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.466	1.4	4.6	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	197	—	—	3.63	µS/cm	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	197	—	—	3.63	µS/cm	Y	H	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	214	—	—	1	µS/cm	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	1	µS/cm	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	217	—	—	1	µS/cm	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	99.9	—	—	1	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC

Table C-2 White Rock Canyon 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 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	106	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	112	—	—	1	µg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	106	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0073	0.105	0.356	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0149	0.131	0.485	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.191	0.145	0.494	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.138	0.14	0.49	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.201	0.15	0.48	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.4	—	—	0.133	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.69	—	—	0.133	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.57	—	—	0.133	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.31	—	—	0.1	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.25	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	11.8	—	—	2.5	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	50	—	—	12.5	µg/L	Y	U	U	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	50	—	—	13	µg/L	Y	U	U	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	111	—	—	3.4	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	H	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	194	—	—	3.4	mg/L	N	—	R	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	2.4	mg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.373	—	—	0.33	mg/L	Y	J	J-	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.385	—	—	0.33	mg/L	Y	J	J	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.14	—	—	0.33	mg/L	Y	—	NQ	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.552	—	—	0.33	mg/L	Y	J	J	12-27	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.556	—	—	0.33	mg/L	Y	J	U	10-4824	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.558	—	—	0.067	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.396	—	—	0.067	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.683	—	—	0.067	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC
Spring 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.693	—	—	0.067	µg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.762	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.458	0.0306	0.0851	—	pCi/L	Y	—	NQ	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.433	0.0376	0.0768	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.558	0.0422	0.053	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.446	0.045	0.037	—	pCi/L	Y	—	NQ	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.705	0.066	0.042	—	pCi/L	Y	—	NQ	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0194	0.00841	0.0683	—	pCi/L	Y	U	U	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0113	0.0113	0.0538	—	pCi/L	Y	U	U	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0261	0.0112	0.0385	—	pCi/L	Y	U	U	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-1.29E-09	0.0066	0.027	—	pCi/L	Y	U	U	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0185	0.0077	0.033	—	pCi/L	Y	U	U	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.218	0.0212	0.0622	—	pCi/L	Y	—	NQ	2016-48	CAWR-16-104429	GELC
Spring 4AA	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.22	0.0269	0.0409	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86949	GELC
Spring 4AA	—	09/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.247	0.0279	0.036	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23443	GELC
Spring 4AA	—	10/04/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.228	0.028	0.043	—	pCi/L	Y	—	NQ	12-29	CAWR-11-28021	GELC
Spring 4AA	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.389	0.042	0.026	—	pCi/L	Y	—	NQ	10-4826	CAWR-10-25455	GELC
Spring 4AA	—	10/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.69	—	—	1	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GELC
Spring 4AA	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.7	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GELC
Spring 4AA	—	09/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.27	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GELC

Table C-2 White Rock Canyon 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 4AA	—	10/04/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.53	—	—	1	µg/L	Y	—	NQ	12-28	CAWR-11-28022	GELC
Spring 4AA	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.13	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25453	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	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	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.5	—	—	0.01	SU	Y	H	J-	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	J-	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94.4	—	—	0.725	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.4	—	—	0.725	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.8	—	—	0.725	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.9	—	—	0.73	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	91.7	—	—	0.73	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00805	0.0348	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0216	0.00739	0.0267	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00535	0.00535	0.0365	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0029	0.034	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000027	0.0016	0.032	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.116	—	—	0.017	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0523	—	—	0.017	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0616	—	—	0.017	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	49.5	—	—	1	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	48.8	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	51.3	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	48.9	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	49.3	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.7	—	—	15	µg/L	Y	J	J	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.3	—	—	15	µg/L	Y	J	J	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.2	—	—	15	µg/L	Y	J	J	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.3	—	—	15	µg/L	Y	J	J	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20	—	—	15	µg/L	Y	J	J	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0986	—	—	0.067	mg/L	Y	J	J	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.106	—	—	0.067	mg/L	Y	J	J	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.112	—	—	0.066	mg/L	Y	J	J	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.128	—	—	0.066	mg/L	Y	J	J	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.4	—	—	0.05	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.7	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.3	—	—	0.05	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.1	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.353	1.16	3.66	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.15	1.26	4.34	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.08	1.38	5.47	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.204	1.8	5.9	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.48	1.2	4.5	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.83	—	—	0.067	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.22	—	—	0.067	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.9	—	—	0.067	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.97	—	—	0.066	mg/L	Y	—	J+	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.57	—	—	0.066	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.41	1.99	6.26	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC

Table C-2 White Rock Canyon 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 4B	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.382	1.32	4.83	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.01	1.42	5.74	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.262	1.6	5.3	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.61	1.2	3	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.406	—	—	0.033	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.409	—	—	0.033	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.392	—	—	0.033	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.422	—	—	0.033	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.381	—	—	0.033	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.02	0.844	2.93	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.345	0.741	2.99	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.15	0.832	2.73	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.86	0.87	2.3	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.509	0.62	2.4	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.41	0.779	2.45	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.935	0.762	2.59	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.64	0.729	2.26	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.25	0.73	2.4	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.68	1	2.6	—	pCi/L	Y	—	NQ	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.4	—	—	0.453	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.5	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89	—	—	0.453	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88	—	—	0.45	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.8	—	—	0.35	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	47.6	—	—	30	µg/L	Y	J	J	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.22	—	—	0.11	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.5	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.45	—	—	0.11	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.42	—	—	0.11	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.47	—	—	0.085	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	4.49	—	—	2	µg/L	Y	J	J	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.17	µg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.1	µg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.168	2.53	8.73	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.576	2.58	9.21	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.857	2.6	9.21	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.358	2.9	9.4	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.63	2.4	8.3	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.822	—	—	0.5	µg/L	Y	J	J	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.551	—	—	0.5	µg/L	Y	J	J	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	12-45	CAWR-11-28026	GELC

Table C-2 White Rock Canyon 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 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.903	—	—	0.5	µg/L	Y	J	J	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.536	—	—	0.017	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.909	—	—	0.017	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.85	—	—	0.085	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.01	—	—	0.05	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.95	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.537	—	—	0.05	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.56	—	—	0.05	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.503	—	—	0.05	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.534	—	—	0.05	µg/L	Y	—	J+	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.601	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00785	0.00621	0.0305	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0059	0.00776	0.0518	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00372	0.00645	0.0424	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0041	0.005	0.036	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00207	0.0036	0.024	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	2.94E-09	0.00878	0.0398	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.000118	0.0121	0.0455	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00745	0.0105	0.0503	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00205	0.0035	0.035	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00207	0.0062	0.04	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.55	—	—	0.05	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.58	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.7	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.74	—	—	0.05	mg/L	Y	E	J	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.83	—	—	0.05	mg/L	Y	E	J	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.57	18.1	72.6	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.3	16.9	54.8	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	28.5	21.5	51.1	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-25.8	20	59	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.2	15	48	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	55.6	—	—	0.053	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	54.5	—	—	0.053	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	59.2	—	—	0.053	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54.9	—	—	0.053	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54.5	—	—	0.053	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.3	—	—	0.1	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.2	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.355	1.38	5.55	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.46	1.21	4.05	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.19	1.33	4.64	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.292	1.4	4.7	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.56	1.2	3.2	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	230	—	—	3.63	µS/cm	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	210	—	—	3.63	µS/cm	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	238	—	—	1	µS/cm	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	224	—	—	1	µS/cm	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	238	—	—	1	µS/cm	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	156	—	—	1	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	153	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC

Table C-2 White Rock Canyon 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 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	163	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	154	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	156	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.193	0.12	0.49	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0788	0.14	0.482	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.195	0.107	0.486	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0967	0.14	0.48	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0969	0.14	0.5	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.1	—	—	0.133	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.45	—	—	0.133	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.12	—	—	0.133	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.18	—	—	0.1	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.08	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	261	—	—	3.4	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	—	—	3.4	mg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	168	—	—	2.4	mg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.921	—	—	0.33	mg/L	Y	J	J-	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.477	—	—	0.33	mg/L	Y	J	J	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.14	—	—	0.33	mg/L	Y	—	NQ	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.739	—	—	0.33	mg/L	Y	J	J	12-44	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.656	—	—	0.33	mg/L	Y	J	U	10-4824	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.21	—	—	0.067	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.25	—	—	0.067	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.37	—	—	0.067	µg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.29	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.679	0.0359	0.0795	—	pCi/L	Y	—	NQ	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.33	0.0621	0.0714	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.904	0.0572	0.0604	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.901	0.081	0.045	—	pCi/L	Y	—	NQ	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.858	0.079	0.048	—	pCi/L	Y	—	NQ	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0249	0.00989	0.0638	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0386	0.0126	0.05	—	pCi/L	Y	U	U	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0382	0.0141	0.0438	—	pCi/L	Y	U	U	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0165	0.01	0.033	—	pCi/L	Y	U	U	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0246	0.011	0.037	—	pCi/L	Y	U	U	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.404	0.0279	0.0581	—	pCi/L	Y	—	NQ	2016-65	CAWR-16-104430	GELC
Spring 4B	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.788	0.0474	0.038	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86950	GELC
Spring 4B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.47	0.0405	0.0411	—	pCi/L	Y	—	NQ	12-1571	CAWR-12-23444	GELC
Spring 4B	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.416	0.046	0.052	—	pCi/L	Y	—	NQ	12-46	CAWR-11-28025	GELC
Spring 4B	—	09/27/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.473	0.05	0.029	—	pCi/L	Y	—	NQ	10-4826	CAWR-10-25456	GELC
Spring 4B	—	10/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.26	—	—	1	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GELC
Spring 4B	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.28	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GELC
Spring 4B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.6	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GELC
Spring 4B	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.89	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28026	GELC
Spring 4B	—	09/27/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.97	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25457	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	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	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	—	—	0.01	SU	Y	H	J-	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	J-	10-4819	CAWR-10-25338	GELC

Table C-2 White Rock Canyon 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 5	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.8	—	—	0.725	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.3	—	—	0.725	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.4	—	—	0.725	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72	—	—	0.73	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.6	—	—	0.73	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00765	0.00663	0.0309	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00311	0.00696	0.0394	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00217	0.00842	0.0283	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00534	0.00534	0.0364	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0052	0.035	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.28	—	—	1.7	µg/L	Y	J	J	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.59	—	—	1.7	µg/L	Y	J	U	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.51	—	—	1.7	µg/L	Y	J	J	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.9	—	—	1	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	27	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.9	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.4	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.8	—	—	15	µg/L	Y	J	J	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.7	—	—	15	µg/L	Y	J	J	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.6	—	—	15	µg/L	Y	J	J	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.7	—	—	15	µg/L	Y	J	J	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.3	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.8	—	—	0.05	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.6	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.39	2	7.54	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0767	1.78	6.23	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.22	1.38	3.91	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.19	1.44	5.3	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.61	1.7	4.9	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.24	—	—	0.067	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.09	—	—	0.067	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.01	—	—	0.067	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.08	—	—	0.066	mg/L	Y	—	J+	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.07	—	—	0.066	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.59	—	—	2	µg/L	Y	J	J	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.31	—	—	2	µg/L	Y	J	J	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.53	—	—	2	µg/L	Y	J	J	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.63	—	—	2	µg/L	Y	J	J	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.34	—	—	2.5	µg/L	Y	J	J	10-4819	CAWR-10-25338	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.13	—	—	2.5	µg/L	N	J	R	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.63	1.85	7.59	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.874	1.59	6.13	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.67	1.38	5.62	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.9	1.27	5.94	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.46	1.6	4.5	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.354	—	—	0.033	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.348	—	—	0.033	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC

Table C-2 White Rock Canyon 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 5	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.369	—	—	0.033	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.36	—	—	0.033	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	7.38	0.981	2.39	—	pCi/L	Y	—	NQ	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.519	0.515	2.52	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.84	0.671	2.95	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.3	0.669	1.89	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.31	0.84	2.7	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.01	0.559	1.83	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.7	0.851	2.97	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1	0.5	1.64	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.03	0.916	2.93	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.355	0.74	2.7	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.453	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.3	—	—	0.453	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.1	—	—	0.453	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.5	—	—	0.45	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.8	—	—	0.35	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.55	—	—	0.11	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.73	—	—	0.11	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.59	—	—	0.11	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.74	—	—	0.11	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.57	—	—	0.085	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03	—	—	0.165	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.968	—	—	0.165	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.978	—	—	0.165	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.87	—	—	0.17	µg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.908	—	—	0.1	µg/L	Y	—	U	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.418	4.23	14.5	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.81	2.46	10.8	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.27	2.83	9.32	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.843	3.09	10.6	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.05	3.5	11	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.727	—	—	0.017	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.743	—	—	0.017	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.695	—	—	0.085	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.73	—	—	0.05	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.645	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.408	—	—	0.05	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.45	—	—	0.05	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.363	—	—	0.05	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.399	—	—	0.05	µg/L	Y	—	J+	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.459	—	—	0.05	µg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00708	0.00528	0.0367	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0136	0.00582	0.0288	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00198	0.00444	0.0202	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-4.4E-10	0.00528	0.03	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0147	0.013	0.043	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00746	0.0478	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00969	0.00845	0.0254	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00595	0.00715	0.031	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-1.32E-09	0.00746	0.0357	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0147	0.0092	0.041	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC

Table C-2 White Rock Canyon 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 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.02	—	—	0.05	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.99	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.99	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.02	—	—	0.05	mg/L	Y	E	J	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	Y	92.9	37	72.1	—	pCi/L	Y	—	NQ	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	36.9	22	69.7	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	44.4	23.9	48.5	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.46	18.3	70.2	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.9	20	72	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.3	—	—	0.053	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.1	—	—	0.053	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.9	—	—	0.053	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.4	—	—	0.053	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.307	1.77	5.65	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.128	1.69	6.24	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.37	1.55	4.79	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0644	1.5	5.68	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.53	2	6.2	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	3.63	µS/cm	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	3.63	µS/cm	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	µS/cm	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	176	—	—	1	µS/cm	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	189	—	—	1	µS/cm	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.4	—	—	1	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	87.8	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	88	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.7	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	85	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0917	0.0545	0.195	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.262	0.148	0.485	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.366	0.152	0.489	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0895	0.136	0.486	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0487	0.14	0.48	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.14	—	—	0.133	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.78	—	—	0.133	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.67	—	—	0.133	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.77	—	—	0.1	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.75	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	2.4	mg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.128	—	—	0.033	mg/L	Y	—	NQ	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.175	mg/L	Y	U	U	12-1574	CAWR-12-23445	GELC

Table C-2 White Rock Canyon 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 5	—	10/05/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0632	—	—	0.035	mg/L	Y	J	U	12-44	CAWR-11-28032	GELC
Spring 5	—	09/28/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	10-4818	CAWR-10-25339	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.596	—	—	0.067	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.578	—	—	0.067	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.601	—	—	0.067	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.615	—	—	0.067	µg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.896	—	—	0.05	µg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.418	0.0323	0.105	—	pCi/L	Y	—	NQ	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.402	0.0341	0.0666	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.414	0.0292	0.0399	—	pCi/L	Y	—	NQ	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.507	0.0376	0.044	—	pCi/L	Y	—	NQ	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.418	0.043	0.036	—	pCi/L	Y	—	NQ	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0328	0.0108	0.084	—	pCi/L	Y	U	U	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00654	0.00801	0.0466	—	pCi/L	Y	U	U	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0122	0.00731	0.0251	—	pCi/L	Y	U	U	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0155	0.0112	0.032	—	pCi/L	Y	U	U	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00538	0.0076	0.027	—	pCi/L	Y	U	U	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.184	0.0224	0.0765	—	pCi/L	Y	—	NQ	2016-32	CAWR-16-104431	GELC
Spring 5	—	09/30/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.235	0.0252	0.0355	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86951	GELC
Spring 5	—	12/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.199	0.0204	0.0212	—	pCi/L	Y	—	NQ	2014-2599	CAWR-13-42153	GELC
Spring 5	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.253	0.0261	0.0299	—	pCi/L	Y	—	NQ	12-1574	CAWR-12-23445	GELC
Spring 5	—	10/05/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.213	0.027	0.043	—	pCi/L	Y	—	NQ	12-46	CAWR-11-28032	GELC
Spring 5	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.3	—	—	1	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GELC
Spring 5	—	09/30/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.9	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GELC
Spring 5	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	10.2	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GELC
Spring 5	—	10/05/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.71	—	—	1	µg/L	Y	—	NQ	12-45	CAWR-11-28031	GELC
Spring 5	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.55	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25338	GELC
Spring 5B	—	10/07/15	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	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	J-	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	J-	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	J-	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.7	—	—	0.725	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.3	—	—	0.725	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.1	—	—	0.73	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.1	—	—	0.73	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.5	—	—	0.73	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0023	0.00609	0.0372	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00254	0.00569	0.0331	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0054	0.0054	0.0368	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00196	0.0034	0.032	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00487	0.0027	0.031	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.35	—	—	1.7	µg/L	Y	J	J	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.72	—	—	1.7	µg/L	Y	J	J	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.12	—	—	1.5	µg/L	Y	J	J	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.4	—	—	1	µg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	34.5	—	—	1	µg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.2	—	—	1	µg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.2	—	—	1	µg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.1	—	—	15	µg/L	Y	J	J	2016-32	CAWR-16-104450	GELC

Table C-2 White Rock Canyon 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 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.4	—	—	15	µg/L	Y	J	J	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.4	—	—	15	µg/L	Y	J	J	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.7	—	—	0.05	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18	—	—	0.05	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.29	1.65	5.63	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.34	1.6	4.21	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.39	1.64	5.28	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.916	1.7	5.7	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.946	1.2	4	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.11	—	—	0.067	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.95	—	—	0.067	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.99	—	—	0.066	mg/L	Y	—	J+	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.95	—	—	0.066	mg/L	Y	—	J+	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.95	—	—	0.066	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.01	—	—	2	µg/L	Y	J	J	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.98	—	—	2	µg/L	Y	J	J	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.95	—	—	2	µg/L	Y	J	J	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.78	—	—	2.5	µg/L	Y	J	J	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.77	—	—	2.5	µg/L	Y	J	J	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.36	1.48	5.33	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.793	1.2	4.58	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.39	1.37	5.72	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.71	1.9	6.8	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.96	1.2	4.7	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.404	—	—	0.033	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.384	—	—	0.033	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.429	—	—	0.033	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.401	—	—	0.033	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.642	—	—	0.033	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.324	0.484	1.85	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.00905	0.385	1.34	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.311	0.464	2.56	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.596	0.75	2.8	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.344	0.4	2.3	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	12	0.959	1.77	—	pCi/L	Y	—	NQ	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.57	0.914	2.9	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.13	0.6	1.72	—	pCi/L	Y	—	NQ	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.52	1	2.4	—	pCi/L	Y	—	NQ	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.68	0.7	2.1	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.6	—	—	0.453	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.2	—	—	0.453	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.3	—	—	0.45	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.6	—	—	0.35	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.4	—	—	0.35	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.93	—	—	0.11	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.23	—	—	0.11	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.2	—	—	0.085	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC

Table C-2 White Rock Canyon 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 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.13	—	—	0.085	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.997	—	—	0.165	µg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.165	µg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.01	—	—	0.17	µg/L	Y	—	U	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03	—	—	0.1	µg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.13	—	—	0.1	µg/L	Y	—	U	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.18	2.85	10.8	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.45	3.32	7.94	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.35	2.6	9.3	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.27	3.9	13	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.658	2.4	8	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.639	—	—	0.017	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.665	—	—	0.085	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.7	—	—	0.05	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.715	—	—	0.05	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.725	—	—	0.05	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.347	—	—	0.05	µg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.357	—	—	0.05	µg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.379	—	—	0.05	µg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.39	—	—	0.05	µg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.371	—	—	0.05	µg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0019	0.00664	0.0332	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00296	0.00514	0.0302	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00231	0.00612	0.0263	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00366	0.0073	0.032	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-2.46E-10	0.0029	0.023	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00517	0.00788	0.0434	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00726	0.0464	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00463	0.00654	0.0313	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0128	0.0055	0.031	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00619	0.0036	0.04	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.96	—	—	0.05	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.18	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.32	—	—	0.05	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.16	—	—	0.05	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.93	—	—	0.05	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12	14.4	65.5	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.1	12.3	35.7	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.2	16.9	69.2	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	28.1	23	77	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.25	15	48	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	59.5	—	—	0.053	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.2	—	—	0.053	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67	—	—	0.053	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	61.3	—	—	0.053	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.3	—	—	0.053	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.154	1.27	5.25	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.987	0.984	3.6	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC

Table C-2 White Rock Canyon 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 5B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.101	1.32	5.09	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.289	2	6.7	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.924	1.3	3.9	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	157	—	—	3.63	µS/cm	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	1	µS/cm	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	µS/cm	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	µS/cm	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	169	—	—	1	µS/cm	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	87.1	—	—	1	µg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	92.4	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	99.3	—	—	1	µg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	94.7	—	—	1	µg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	95.9	—	—	1	µg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.401	0.0881	0.457	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.148	0.13	0.486	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0179	0.135	0.489	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.13	0.14	0.49	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.198	0.14	0.48	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.76	—	—	0.133	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.68	—	—	0.133	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.58	—	—	0.1	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.69	—	—	0.1	mg/L	Y	—	J+	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.69	—	—	0.1	mg/L	Y	—	J	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	142	—	—	2.4	mg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	152	—	—	2.4	mg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.145	—	—	0.033	mg/L	Y	—	NQ	2016-32	CAWR-16-104432	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0434	—	—	0.035	mg/L	Y	J	J	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	10-4827	CAWR-10-26573	GELC
Spring 5B	—	09/29/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.048	—	—	0.033	mg/L	Y	J	U	10-45	CAWR-09-12542	GELC
Spring 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.709	—	—	0.067	µg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.736	—	—	0.067	µg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.777	—	—	0.067	µg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.715	—	—	0.05	µg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.835	—	—	0.05	µg/L	Y	—	J	10-46	CAWR-09-12541	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.515	0.0351	0.1	—	pCi/L	Y	—	NQ	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.524	0.0411	0.0639	—	pCi/L	Y	—	NQ	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.498	0.0427	0.0594	—	pCi/L	Y	—	NQ	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.497	0.048	0.035	—	pCi/L	Y	—	NQ	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.446	0.046	0.04	—	pCi/L	Y	—	NQ	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0343	0.0107	0.0803	—	pCi/L	Y	U	U	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0078	0.0123	0.0402	—	pCi/L	Y	U	U	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0334	0.0145	0.0431	—	pCi/L	Y	U	U	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0208	0.0099	0.026	—	pCi/L	Y	U	U	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0118	0.0073	0.031	—	pCi/L	Y	U	U	10-4828	CAWR-10-26573	GELC
Spring 5B	—	10/07/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.282	0.0265	0.0732	—	pCi/L	Y	—	NQ	2016-32	CAWR-16-104432	GELC
Spring 5B	—	12/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.347	0.0343	0.0339	—	pCi/L	Y	—	NQ	2014-2646	CAWR-13-42154	GELC
Spring 5B	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.233	0.0304	0.0404	—	pCi/L	Y	—	NQ	12-1574	CAWR-12-23447	GELC
Spring 5B	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.282	0.032	0.041	—	pCi/L	Y	—	NQ	12-51	CAWR-11-28033	GELC
Spring 5B	—	09/28/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.232	0.029	0.024	—	pCi/L	Y	—	NQ	10-4828	CAWR-10-26573	GELC

Table C-2 White Rock Canyon 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 5B	—	10/07/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.16	—	—	1	µg/L	Y	—	NQ	2016-32	CAWR-16-104450	GELC
Spring 5B	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.66	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23475	GELC
Spring 5B	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.28	—	—	1	µg/L	Y	—	NQ	12-51	CAWR-11-28035	GELC
Spring 5B	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.53	—	—	1	µg/L	Y	—	NQ	10-4828	CAWR-10-26574	GELC
Spring 5B	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.95	—	—	1	µg/L	Y	—	NQ	10-46	CAWR-09-12541	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.6	—	—	0.01	SU	Y	H	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.63	—	—	0.01	SU	Y	H	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	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	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.84	—	—	0.01	SU	Y	H	J-	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.64	—	—	0.01	SU	Y	H	J-	10-4819	CAWR-10-25375	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	J-	10-4819	CAWR-10-25379	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.6	—	—	0.725	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.7	—	—	0.725	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.9	—	—	0.725	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.8	—	—	0.73	mg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.3	—	—	0.73	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.3	—	—	0.73	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00406	0.00703	0.0328	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0298	0.0122	0.0264	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0114	0.00537	0.0247	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00671	0.0324	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0198	0.0067	0.036	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.1	—	—	1.7	µg/L	Y	J	J	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.51	—	—	1.7	µg/L	Y	J	J	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.69	—	—	1.7	µg/L	Y	J	J	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.1	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.8	—	—	1	µg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.7	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.3	—	—	15	µg/L	Y	J	J	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.5	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.528	1.52	5.86	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.528	1.46	4.8	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.91	1.03	4.04	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.00896	1.48	5.61	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.477	1.4	4.3	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.13	—	—	0.067	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.06	—	—	0.067	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC

Table C-2 White Rock Canyon 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 6	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.067	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.04	—	—	0.066	mg/L	Y	—	J+	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.07	—	—	0.066	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.11	—	—	0.066	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.02	—	—	2	µg/L	Y	J	J	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.59	—	—	2	µg/L	Y	J	J	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.8	—	—	2	µg/L	Y	J	J	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.53	—	—	2	µg/L	Y	J	J	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	RE	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.82	—	—	2.5	µg/L	Y	J	J	10-4819	CAWR-10-25375	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.76	—	—	2.5	µg/L	Y	J	J	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.94	—	—	2.5	µg/L	N	J	R	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.13	1.45	5.81	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.88	1.28	4.82	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.79	0.956	4.07	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.63	1.42	6.67	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.107	1.4	4.6	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.313	—	—	0.033	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.293	—	—	0.033	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.254	—	—	0.033	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.317	—	—	0.033	mg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.293	—	—	0.033	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.286	—	—	0.033	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.95	0.487	1.31	—	pCi/L	Y	—	NQ	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.00506	0.772	2.99	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0959	0.346	1.19	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.058	0.464	2.25	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.644	0.65	2.4	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.1	0.691	2.11	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.78	0.929	2.94	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-1.33	0.595	2.66	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.36	0.615	1.92	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.602	0.78	2.7	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.453	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.4	—	—	0.453	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.5	—	—	0.453	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.6	—	—	0.45	mg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.2	—	—	0.35	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.3	—	—	0.35	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.55	—	—	0.11	mg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.34	—	—	0.085	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.5	—	—	0.085	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.165	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03	—	—	0.165	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.165	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1	—	—	0.17	µg/L	Y	—	U	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.901	—	—	0.1	µg/L	Y	—	U	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.981	—	—	0.1	µg/L	Y	—	U	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.292	3.33	10.7	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.577	2.63	8.41	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.636	2.26	7.66	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC

Table C-2 White Rock Canyon 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 6	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.84	3	11.1	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.846	2.8	8.8	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.271	—	—	0.017	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.33	—	—	0.017	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.345	—	—	0.017	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	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	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.381	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.385	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.297	—	—	0.05	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.305	—	—	0.05	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.288	—	—	0.05	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.299	—	—	0.05	µg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.344	—	—	0.05	µg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.347	—	—	0.05	µg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00878	0.00537	0.0341	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00637	0.0386	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00698	0.00698	0.0237	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00284	0.00491	0.0323	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00189	0.0068	0.033	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00658	0.00849	0.0444	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0052	0.00636	0.0341	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00465	0.00931	0.0364	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00284	0.00491	0.0384	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00567	0.0042	0.032	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.89	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.96	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.01	—	—	0.05	mg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.89	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.66	16.4	70.6	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.9	17.2	58.9	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.39	15.5	43.2	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.7	20.2	78.5	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-24.1	17	56	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.6	—	—	0.053	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.9	—	—	0.053	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.2	—	—	0.053	mg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67	—	—	0.053	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.8	—	—	0.053	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.78	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.39	1.55	5.63	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.286	1.17	4.49	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0725	1.01	3.79	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.816	1.31	5.65	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.71	1.5	5.2	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	3.63	µS/cm	Y	—	NQ	2016-20	CAWR-16-104451	GELC

Table C-2 White Rock Canyon 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 6	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	3.63	µS/cm	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	1	µS/cm	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	µS/cm	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56.8	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.6	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.1	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	59.5	—	—	1	µg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	53.6	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.157	0.0647	0.233	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.279	0.114	0.49	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.157	0.142	0.485	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.196	0.124	0.477	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0629	0.12	0.47	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.46	—	—	0.133	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.3	—	—	0.133	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.39	—	—	0.133	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.35	—	—	0.1	mg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.47	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.51	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	27.1	—	—	2.5	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.11	—	—	0.033	mg/L	Y	—	NQ	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-51	CAWR-11-28038	GELC
Spring 6	—	09/28/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	10-4818	CAWR-10-25376	GELC
Spring 6	—	09/28/10	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	10-4818	CAWR-10-25378	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.244	—	—	0.067	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.243	—	—	0.067	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.305	—	—	0.067	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.336	—	—	0.067	µg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.361	—	—	0.05	µg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.537	—	—	0.05	µg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.308	0.0359	0.169	—	pCi/L	Y	—	J-	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.181	0.0325	0.101	—	pCi/L	Y	—	NQ	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.273	0.0306	0.0622	—	pCi/L	Y	—	NQ	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.203	0.027	0.0483	—	pCi/L	Y	—	NQ	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.201	0.026	0.035	—	pCi/L	Y	—	NQ	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00964	0.0152	0.135	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0199	0.0141	0.071	—	pCi/L	Y	U	U	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0076	0.0093	0.0392	—	pCi/L	Y	U	U	2014-2640	CAWR-13-42155	GELC
Spring 6	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0237	0.0112	0.035	—	pCi/L	Y	U	U	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0103	0.0063	0.026	—	pCi/L	Y	U	U	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0897	0.021	0.123	—	pCi/L	Y	U	U	2016-20	CAWR-16-104433	GELC
Spring 6	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.133	0.0239	0.0541	—	pCi/L	Y	—	NQ	2015-22	CAWR-14-86954	GELC
Spring 6	—	12/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.086	0.0179	0.033	—	pCi/L	Y	—	NQ	2014-2640	CAWR-13-42155	GELC

Table C-2 White Rock Canyon 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 6	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0933	0.0174	0.0328	—	pCi/L	Y	—	NQ	12-1574	CAWR-12-23448	GELC
Spring 6	—	10/06/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0999	0.017	0.041	—	pCi/L	Y	—	NQ	12-51	CAWR-11-28038	GELC
Spring 6	—	10/05/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.48	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GELC
Spring 6	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.49	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GELC
Spring 6	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.17	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GELC
Spring 6	—	10/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.94	—	—	1	µg/L	Y	—	NQ	12-51	CAWR-11-28036	GELC
Spring 6	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.12	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25375	GELC
Spring 6	—	09/28/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.02	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25379	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	—	0.01	SU	Y	H	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.39	—	—	0.01	SU	Y	H	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	J-	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.38	—	—	0.01	SU	Y	H	J-	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.6	—	—	0.725	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.7	—	—	0.725	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.9	—	—	0.725	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.6	—	—	0.73	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.4	—	—	0.73	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00244	0.00645	0.0394	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.013	0.0092	0.0412	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00729	0.00806	0.0391	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00668	0.00863	0.0304	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00815	0.004	0.032	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0648	—	—	0.017	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0357	—	—	0.017	mg/L	Y	J	U	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0558	—	—	0.017	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.037	—	—	0.016	mg/L	Y	J	J-	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.18	—	—	1.7	µg/L	Y	J	J	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	1.96	—	—	1.7	µg/L	Y	J	U	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.5	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.3	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.6	—	—	1	µg/L	Y	—	J	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16.7	—	—	1	µg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	5.54	1.32	3.75	—	pCi/L	Y	UI	R	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.41	1.43	5.25	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.08	2.31	6.97	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.997	1.34	5.21	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.57	1.8	6.3	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.93	—	—	0.067	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.28	—	—	0.067	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.85	—	—	0.067	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	—	0.066	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.85	—	—	0.066	mg/L	Y	—	J	10-51	CAWR-09-12566	GELC

Table C-2 White Rock Canyon 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 9	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.508	1.15	4.58	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.398	1.37	4.99	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.29	1.83	6.52	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.13	1.73	6.85	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.18	1.3	4.7	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	Y	1.78	—	—	1.63	µg/L	Y	J	J	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	RE	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	10.3	—	—	3.09	µg/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	11.4	—	—	3.41	µg/L	N	U	UJ	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	SVOC	SW-846:8270C	Di-n-butylphthalate	84-74-2	N	10.8	—	—	3.23	µg/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Di-n-butylphthalate	84-74-2	N	11	—	—	3.3	µg/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Di-n-butylphthalate	84-74-2	N	10.9	—	—	2.2	µg/L	Y	U	U	10-4821	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.336	—	—	0.033	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.356	—	—	0.033	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.325	—	—	0.033	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.346	—	—	0.033	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.526	—	—	0.033	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	6.31	0.792	1.73	—	pCi/L	Y	—	NQ	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0396	0.714	2.95	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0327	0.665	2.9	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.852	0.574	1.89	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.01	0.73	2.5	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.01	0.648	1.98	—	pCi/L	Y	—	NQ	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.877	0.89	3	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.185	0.324	1.09	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.356	0.818	2.85	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.98	0.91	2.9	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.6	—	—	0.453	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.7	—	—	0.453	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.9	—	—	0.453	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.6	—	—	0.35	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.4	—	—	0.35	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.11	—	—	0.11	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.37	—	—	0.11	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.04	—	—	0.11	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.02	—	—	0.085	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.88	—	—	0.085	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.165	µg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.1	µg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.1	µg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.14	2.64	9.65	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.26	2.7	8.89	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.16	4.02	14	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.931	3.3	11.4	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.687	2.1	6.9	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0941	—	—	0.017	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.115	—	—	0.017	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.167	—	—	0.017	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.112	—	—	0.05	mg/L	Y	J	J	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.125	—	—	0.05	mg/L	Y	J	J	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.218	—	—	0.05	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.243	—	—	0.05	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC

Table C-2 White Rock Canyon 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 9	—	09/25/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.268	—	—	0.05	µg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.257	—	—	0.05	µg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.214	—	—	0.05	µg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00352	0.0108	0.0407	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00702	0.0145	0.0528	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00778	0.0273	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00588	0.0132	0.0669	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0031	0.035	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0161	0.0112	0.0532	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0158	0.0207	0.0465	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0127	0.00777	0.0657	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00588	0.0131	0.0795	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0075	0.059	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.32	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	40.6	17.7	46.5	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.42	14.6	56	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.86	30.9	70.7	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-36.8	19.1	65.9	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.3	17	56	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.8	—	—	0.053	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.6	—	—	0.053	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.9	—	—	0.053	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.7	—	—	0.053	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.2	—	—	0.053	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	N	J+	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.619	1.33	4.1	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.201	1.24	4.61	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.05	2.56	7.8	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.00346	1.45	5.62	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.86	1.2	3.2	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	118	—	—	3.63	µS/cm	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	3.63	µS/cm	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	1	µS/cm	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	129	—	—	1	µS/cm	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	µS/cm	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.5	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	54.1	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.9	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	48.8	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	46.5	—	—	1	µg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.274	0.107	0.46	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.223	0.146	0.485	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.15	0.142	0.477	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0744	0.115	0.478	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.344	0.16	0.48	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC

Table C-2 White Rock Canyon 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 9	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.03	—	—	0.133	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.32	—	—	0.133	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.87	—	—	0.133	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.05	—	—	0.1	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.93	—	—	0.1	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	104	—	—	3.4	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109	—	—	3.4	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	2.4	mg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	2.4	mg/L	Y	—	NQ	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.19	—	—	0.033	mg/L	Y	—	NQ	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.288	—	—	0.033	mg/L	Y	—	NQ	2015-17	CAWR-14-86957	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0952	—	—	0.035	mg/L	Y	J	J	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	10-4821	CAWR-10-25395	GELC
Spring 9	—	09/29/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.52	—	—	0.033	mg/L	Y	—	J	10-50	CAWR-09-12565	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.46	—	—	0.33	mg/L	Y	J	J-	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.21	—	—	0.33	mg/L	Y	—	NQ	2015-17	CAWR-14-86957	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.777	—	—	0.33	mg/L	Y	J	J	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.823	—	—	0.33	mg/L	Y	J	J	10-4821	CAWR-10-25395	GELC
Spring 9	—	09/29/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.42	—	—	0.33	mg/L	Y	—	NQ	10-50	CAWR-09-12565	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.203	—	—	0.067	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.259	—	—	0.067	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.131	—	—	0.067	µg/L	Y	J	J	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.215	—	—	0.05	µg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.167	—	—	0.05	µg/L	Y	J	U	10-51	CAWR-09-12566	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.21	0.0342	0.198	—	pCi/L	Y	—	J-	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.571	0.0415	0.0698	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.157	0.0294	0.0383	—	pCi/L	Y	—	NQ	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.281	0.0325	0.0531	—	pCi/L	Y	—	NQ	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.203	0.029	0.048	—	pCi/L	Y	—	NQ	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0138	0.159	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0171	0.0103	0.0489	—	pCi/L	Y	U	U	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0267	0.0148	0.0345	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00746	0.00746	0.0385	—	pCi/L	Y	U	U	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0177	0.008	0.037	—	pCi/L	Y	U	U	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.123	0.0262	0.145	—	pCi/L	Y	U	U	2016-24	CAWR-16-104434	GELC
Spring 9	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.322	0.0311	0.0372	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86957	GELC
Spring 9	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0648	0.0252	0.024	—	pCi/L	Y	—	U	2014-2695	CAWR-13-42156	GELC
Spring 9	—	09/25/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.118	0.0207	0.0361	—	pCi/L	Y	—	NQ	12-1572	CAWR-12-23451	GELC
Spring 9	—	09/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.169	0.025	0.029	—	pCi/L	Y	—	NQ	10-4823	CAWR-10-25395	GELC
Spring 9	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.87	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GELC
Spring 9	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.29	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GELC
Spring 9	—	09/25/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.06	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23479	GELC
Spring 9	—	09/29/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.2	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25393	GELC
Spring 9	—	09/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.9	—	—	1	µg/L	Y	—	J	10-51	CAWR-09-12566	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.35	—	—	0.01	SU	Y	H	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.38	—	—	0.01	SU	Y	H	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	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	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.55	—	—	0.01	SU	Y	H	J-	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	—	—	0.01	SU	Y	H	J-	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.1	—	—	0.725	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.7	—	—	0.725	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.8	—	—	0.725	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC

Table C-2 White Rock Canyon 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 9A	—	10/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.4	—	—	0.73	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.9	—	—	0.73	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00567	0.005	0.0306	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00399	0.0105	0.0505	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00419	0.0475	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00464	0.00656	0.0317	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0101	0.0083	0.039	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.21	—	—	1.7	µg/L	Y	J	J	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.92	—	—	1.7	µg/L	Y	J	J	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.72	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	10.3	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	10.1	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	10.2	—	—	1	µg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.62	—	—	1	µg/L	Y	—	J	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.7	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.782	1.5	5.18	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.74	1.52	4.82	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0709	1.55	5.61	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.53	1.41	4.77	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.42	2.9	6.3	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.067	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.93	—	—	0.067	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.91	—	—	0.067	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.92	—	—	0.066	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	—	0.066	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.87	—	—	2	µg/L	Y	J	J	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.23	—	—	2	µg/L	Y	J	J	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.06	—	—	2	µg/L	Y	J	J	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2.5	µg/L	Y	U	U	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.342	1.5	5.42	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.07	1.48	5.24	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.73	1.24	4.15	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.631	1.43	5.66	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.56	1.6	5.7	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.412	—	—	0.033	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.417	—	—	0.033	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.404	—	—	0.033	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.397	—	—	0.033	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.4	—	—	0.033	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.94	0.393	1.21	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.602	0.587	2.73	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.478	0.797	2.99	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.289	0.541	2.77	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.866	0.75	2.5	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.6	1.09	2.76	—	pCi/L	Y	—	NQ	2016-24	CAWR-16-104435	GELC

Table C-2 White Rock Canyon 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 9A	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-1.33	0.726	2.87	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.23	0.343	1.08	—	pCi/L	Y	—	NQ	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.414	0.853	2.96	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.489	0.76	3	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.1	—	—	0.453	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.4	—	—	0.453	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.9	—	—	0.45	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.2	—	—	0.35	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.99	—	—	0.11	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.19	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.06	—	—	0.11	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.9	—	—	0.11	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.89	—	—	0.085	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.17	µg/L	Y	—	J	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.1	µg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.45	2.98	10.7	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.485	2.98	10.3	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.29	3.05	10.4	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.57	3.02	10.9	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.47	2.8	10	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.213	—	—	0.017	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	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	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.197	—	—	0.017	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.243	—	—	0.05	mg/L	Y	J	J	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.283	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.239	—	—	0.05	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.214	—	—	0.05	µg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.238	—	—	0.05	µg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.274	—	—	0.05	µg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.296	—	—	0.05	µg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00487	0.00487	0.0379	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0047	0.00575	0.0349	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0277	0.0146	0.0476	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00653	0.0372	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0071	0.017	0.062	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00244	0.00731	0.0494	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0141	0.00742	0.0308	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00553	0.0199	0.115	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00462	0.0442	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0177	0.012	0.06	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.43	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.4	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16	17.5	65.3	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.12	17.4	63.6	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	26.5	25.6	49.3	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.09	16.8	68.1	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC

Table C-2 White Rock Canyon 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 9A	—	10/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-27.2	19	71	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.6	—	—	0.053	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.5	—	—	0.053	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.4	—	—	0.053	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.5	—	—	0.053	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.5	—	—	0.053	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	N	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.71	1.57	4.31	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.468	1.46	5.32	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.974	1.71	5.78	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0122	1.43	5.46	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.41	1.5	6.4	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	116	—	—	3.63	µS/cm	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	116	—	—	3.63	µS/cm	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131	—	—	1	µS/cm	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	1	µS/cm	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	µS/cm	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	46.6	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.9	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.8	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.1	—	—	1	µg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	48.1	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.107	0.0746	0.26	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.228	0.127	0.485	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.326	0.148	0.482	—	pCi/L	Y	U	U	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.147	0.111	0.49	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.192	0.12	0.49	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.02	—	—	0.133	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.87	—	—	0.133	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.84	—	—	0.133	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.03	—	—	0.1	mg/L	Y	—	J+	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.06	—	—	0.1	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	94.3	—	—	3.4	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	3.4	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	2.4	mg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.178	—	—	0.033	mg/L	Y	—	NQ	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0448	—	—	0.033	mg/L	Y	J	J	2015-20	CAWR-14-86958	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0568	—	—	0.035	mg/L	Y	J	J	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0784	—	—	0.035	mg/L	Y	J	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	09/28/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	10-4821	CAWR-10-25398	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.684	—	—	0.33	mg/L	Y	J	J-	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.58	—	—	0.33	mg/L	Y	J	J	2015-20	CAWR-14-86958	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.07	—	—	0.33	mg/L	Y	—	NQ	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.407	—	—	0.33	mg/L	Y	J	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	09/28/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.648	—	—	0.33	mg/L	Y	J	J	10-4821	CAWR-10-25398	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.255	—	—	0.067	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.166	—	—	0.067	µg/L	Y	J	J	2015-20	CAWR-14-86985	GELC

Table C-2 White Rock Canyon 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 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.18	—	—	0.067	µg/L	Y	J	J	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.193	—	—	0.067	µg/L	Y	J	J	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.204	—	—	0.05	µg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.295	0.0272	0.101	—	pCi/L	Y	—	NQ	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.219	0.0286	0.0767	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.04	0.0547	0.0348	—	pCi/L	Y	—	NQ	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.233	0.0392	0.0849	—	pCi/L	Y	—	NQ	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.341	0.036	0.034	—	pCi/L	Y	—	NQ	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.046	0.0147	0.0809	—	pCi/L	Y	U	U	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0226	0.0141	0.0537	—	pCi/L	Y	U	U	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0415	0.0138	0.0313	—	pCi/L	Y	—	NQ	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0119	0.0616	—	pCi/L	Y	U	U	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00754	0.0067	0.025	—	pCi/L	Y	U	U	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.14	0.0186	0.0737	—	pCi/L	Y	—	NQ	2016-24	CAWR-16-104435	GELC
Spring 9A	—	10/01/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.143	0.0222	0.0409	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86958	GELC
Spring 9A	—	12/16/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.485	0.0381	0.0218	—	pCi/L	Y	—	NQ	2014-2695	CAWR-13-42157	GELC
Spring 9A	—	09/26/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.15	0.0277	0.0577	—	pCi/L	Y	—	NQ	12-1572	CAWR-12-23452	GELC
Spring 9A	—	10/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.197	0.025	0.04	—	pCi/L	Y	—	NQ	12-95	CAWR-11-28048	GELC
Spring 9A	—	10/06/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.02	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GELC
Spring 9A	—	10/01/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.88	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86985	GELC
Spring 9A	—	09/26/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.98	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23480	GELC
Spring 9A	—	10/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.24	—	—	1	µg/L	Y	—	NQ	12-95	CAWR-11-28049	GELC
Spring 9A	—	09/28/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.44	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25397	GELC

Appendix D

Groundwater Results Greater Than Half of Screening Levels

Zone	Location	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Regional Spring	La Mesita Spring	10/14/15	SVOC[a]	Dibenz(a,h)anthracene	53-70-3	UF[b]	INIT[c]	REG[d]	Y[e]	0.0737	0.0316	µg/L	1	J[f]	J-[g]	SV3a[h]	Y	SW-846:8270DGCMS_SIM	GELC[i]	0.034	EPA TAP SCRN LVL[j]	2.17
Regional Spring	Sacred Spring	10/14/15	Inorganic	Iron	Fe	F[k]	INIT	REG	Y	778	30	µg/L	1	—[l]	NQ[m]	NQ	Y	SW-846:6010C	GELC	1000	NMWQCC GW STD[n]	0.78
Regional Spring	Sacred Spring	10/14/15	Inorganic	Manganese	Mn	F	INIT	REG	Y	298	2	µg/L	1	—	NQ	NQ	Y	SW-846:6010C	GELC	200	NMWQCC GW STD	1.49
Regional Spring	Spring 1	10/09/15	Inorganic	Arsenic	As	F	INIT	REG	Y	5.05	1.7	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	10	EPA MCL[o]	0.51
Regional Spring	Spring 2	10/09/15	Inorganic	Arsenic	As	F	INIT	REG	Y	6.48	1.7	µg/L	1	—	NQ	NQ	Y	SW-846:6020	GELC	10	EPA MCL	0.65

[a] SVOC = Semivolatile organic compound.

[b] UF = Unfiltered.

[c] INIT = Initial.

[d] REG = Regular.

[e] Y = Yes.

[f] In this column, J = The associated numerical value is an estimated quantity.

[g] 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.

[h] SV3a = The surrogate is less than the lower acceptance limit but ≥10% recovery, which indicates the potential for a low bias in the results. Follow the external laboratory limits.

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

[j] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.

[k] F = Filtered.

[l] — = None.

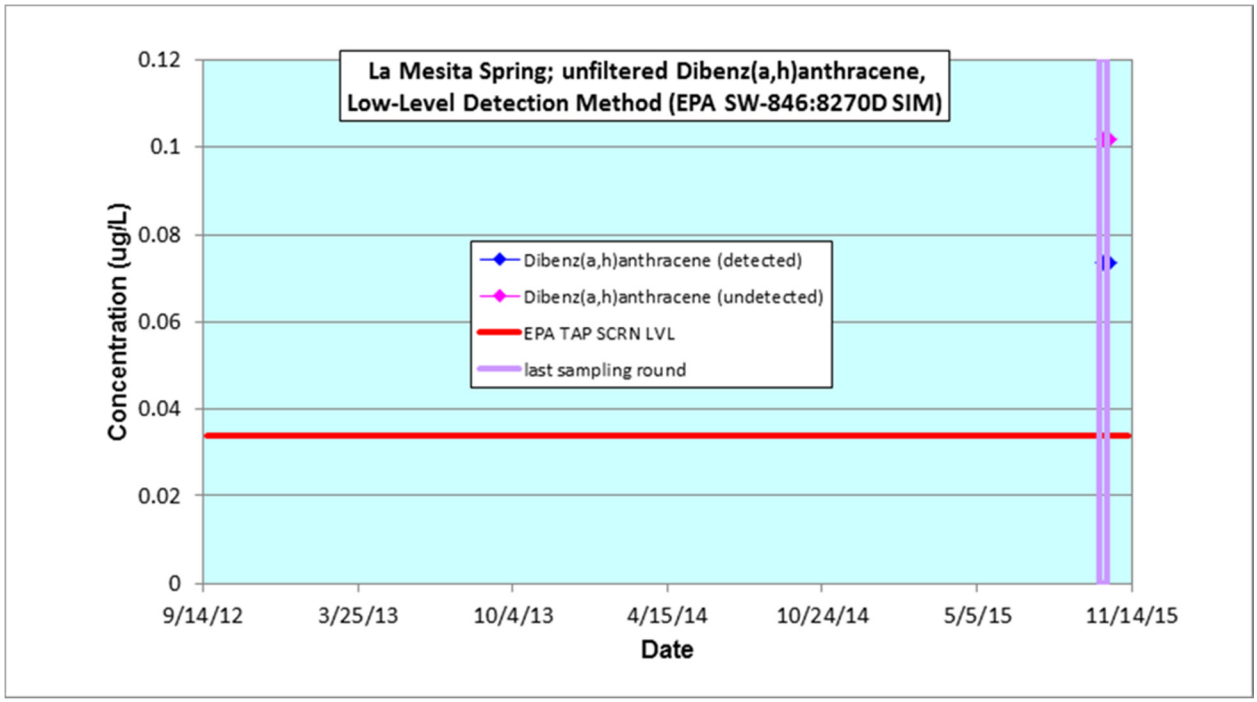
[m] NQ = Not qualified.

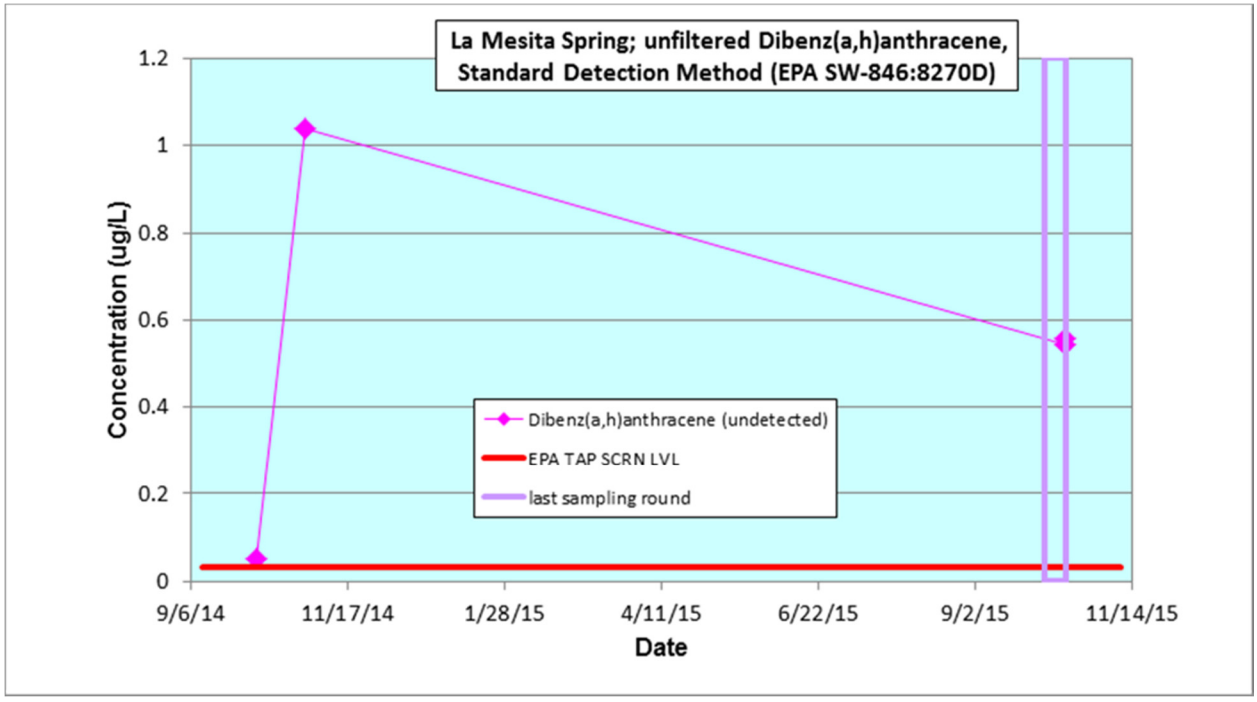
[n] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.

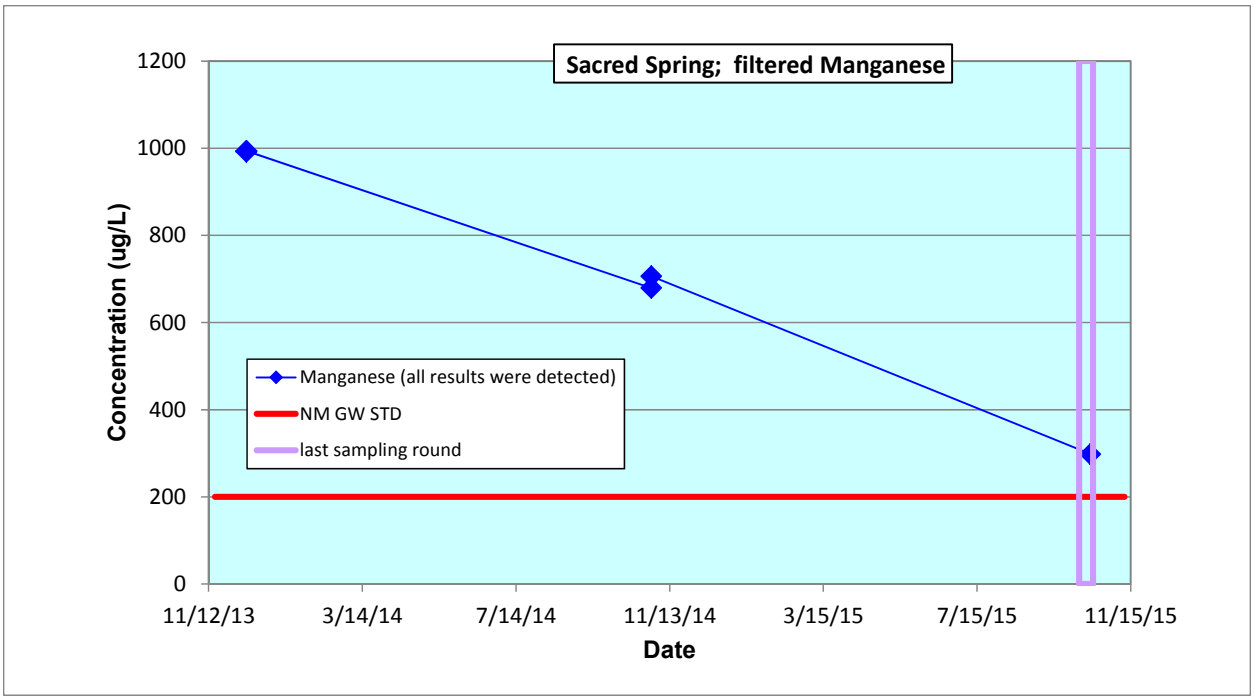
[o] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.

Appendix E

Analytical Chemistry Graphs of Screening-Level Exceedances


La Mesita Spring; unfiltered Dibenz(a,h)anthracene,
Low-Level Detection Method (EPA SW-846:8270D SIM)
Concentration (ug/L)
0.12
0.1
0.08
0.06
0.04
0.02
0
Dibenz(a,h)anthracene (detected)
Dibenz(a,h)anthracene (undetected)
EPA TAP SCRN LVL
last sampling round
9/14/12
3/25/13
10/4/13
4/15/14
10/24/14
5/5/15
11/14/15
Date


La Mesita Spring; unfiltered Dibenz(a,h)anthracene,
Standard Detection Method (EPA SW-846:8270D)
Concentration (ug/L)
1.2
1
0.8
0.6
0.4
0.2
0
Dibenz(a,h)anthracene (undetected)
EPA TAP SCRN LVL
last sampling round
9/6/14
11/17/14
1/28/15
4/11/15
6/22/15
9/2/15
11/14/15
Date


Sacred Spring; filtered Manganese
Concentration (ug/L)
1200
1000
800
600
400
200
0
11/12/13
3/14/14
7/14/14
11/13/14
3/15/15
7/15/15
11/15/15
Date
Manganese (all results were detected)
NM GW STD
last sampling round

Appendix F

Analytical Reports
(on CD included with this document)

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2015-229	Rad[a]	ARSL[b]	CAWR-14-89237	10/30/14	Rio Grande at Otowi Bridge	—[c]	—
2016-106	Rad	ARSL	CAWR-16-104396	10/14/15	La Mesita Spring	—	—
2016-106	Rad	ARSL	CAWR-16-104422	10/14/15	Sacred Spring	—	—
2016-106	Rad	ARSL	CAWR-16-104419	10/14/15	La Mesita Spring	—	—
2016-20	Inorganic	GELC[d]	CAWR-16-104418	10/05/15	Ancho Spring	—	—
2016-20	Inorganic	GELC	CAWR-16-104433	10/05/15	Spring 6	—	—
2016-20	Inorganic	GELC	CAWR-16-104451	10/05/15	Spring 6	—	—
2016-20	Inorganic	GELC	CAWR-16-104436	10/05/15	Ancho Spring	—	—
2016-20	Organic	GELC	CAWR-16-104418	10/05/15	Ancho Spring	—	—
2016-20	Organic	GELC	CAWR-16-104433	10/05/15	Spring 6	—	—
2016-20	Rad	GELC	CAWR-16-104418	10/05/15	Ancho Spring	—	—
2016-20	Rad	GELC	CAWR-16-104433	10/05/15	Spring 6	—	—
2016-24	Inorganic	GELC	CAWR-16-104434	10/06/15	Spring 9	—	—
2016-24	Inorganic	GELC	CAWR-16-104435	10/06/15	Spring 9A	—	—
2016-24	Inorganic	GELC	CAWR-16-104452	10/06/15	Spring 9	—	—
2016-24	Inorganic	GELC	CAWR-16-104453	10/06/15	Spring 9A	—	—
2016-24	Organic	GELC	CAWR-16-104434	10/06/15	Spring 9	—	—
2016-24	Organic	GELC	CAWR-16-104435	10/06/15	Spring 9A	—	—
2016-24	Rad	GELC	CAWR-16-104434	10/06/15	Spring 9	—	—
2016-24	Rad	GELC	CAWR-16-104435	10/06/15	Spring 9A	—	—
2016-32	Inorganic	GELC	CAWR-16-104431	10/07/15	Spring 5	—	—
2016-32	Inorganic	GELC	CAWR-16-104432	10/07/15	Spring 5B	—	—
2016-32	Inorganic	GELC	CAWR-16-104449	10/07/15	Spring 5	—	—
2016-32	Inorganic	GELC	CAWR-16-104450	10/07/15	Spring 5B	—	—
2016-32	Organic	GELC	CAWR-16-104431	10/07/15	Spring 5	—	—
2016-32	Organic	GELC	CAWR-16-104432	10/07/15	Spring 5B	—	—
2016-32	Rad	GELC	CAWR-16-104431	10/07/15	Spring 5	—	—
2016-32	Rad	GELC	CAWR-16-104432	10/07/15	Spring 5B	—	—
2016-33	Rad	ARSL	CAWR-16-104418	10/05/15	Ancho Spring	—	—
2016-38	Inorganic	GELC	CAWR-16-104425	10/09/15	Spring 2	—	—
2016-38	Inorganic	GELC	CAWR-16-104439	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-38	Inorganic	GELC	CAWR-16-104442	10/09/15	Spring 1	—	—
2016-38	Inorganic	GELC	CAWR-16-104443	10/09/15	Spring 2	—	—
2016-38	Inorganic	GELC	CAWR-16-104397	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-38	Inorganic	GELC	CAWR-16-104399	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-38	Inorganic	GELC	CAWR-16-104424	10/09/15	Spring 1	—	—
2016-38	Inorganic	GELC	CAWR-16-104421	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-38	Organic	GELC	CAWR-16-104425	10/09/15	Spring 2	—	—

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-38	Organic	GELC	CAWR-16-104421	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-38	Organic	GELC	CAWR-16-104397	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-38	Organic	GELC	CAWR-16-104424	10/09/15	Spring 1	—	—
2016-38	Rad	GELC	CAWR-16-104425	10/09/15	Spring 2	—	—
2016-38	Rad	GELC	CAWR-16-104397	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-38	Rad	GELC	CAWR-16-104424	10/09/15	Spring 1	—	—
2016-38	Rad	GELC	CAWR-16-104421	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-39	Inorganic	GELC	CAWR-16-104426	10/08/15	Spring 3A	—	—
2016-39	Inorganic	GELC	CAWR-16-104428	10/08/15	Spring 4A	—	—
2016-39	Inorganic	GELC	CAWR-16-104444	10/08/15	Spring 3A	—	—
2016-39	Inorganic	GELC	CAWR-16-104446	10/08/15	Spring 4A	—	—
2016-39	Organic	GELC	CAWR-16-104426	10/08/15	Spring 3A	—	—
2016-39	Organic	GELC	CAWR-16-104428	10/08/15	Spring 4A	—	—
2016-39	Rad	GELC	CAWR-16-104426	10/08/15	Spring 3A	—	—
2016-39	Rad	GELC	CAWR-16-104428	10/08/15	Spring 4A	—	—
2016-41	Organic	CFA[e]	CAWR-16-104397	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-41	Organic	CFA	CAWR-16-104421	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-48	Inorganic	GELC	CAWR-16-104447	10/13/15	Spring 4AA	—	—
2016-48	Inorganic	GELC	CAWR-16-104429	10/13/15	Spring 4AA	—	—
2016-48	Organic	GELC	CAWR-16-104429	10/13/15	Spring 4AA	—	—
2016-48	Rad	GELC	CAWR-16-104429	10/13/15	Spring 4AA	—	—
2016-49	Inorganic	GELC	CAWR-16-104445	10/13/15	Spring 4	—	—
2016-49	Inorganic	GELC	CAWR-16-104427	10/13/15	Spring 4	—	—
2016-49	Organic	GELC	CAWR-16-104427	10/13/15	Spring 4	—	—
2016-49	Rad	GELC	CAWR-16-104427	10/13/15	Spring 4	—	—
2016-50	Organic	CFA	CAWR-16-104427	10/13/15	Spring 4	—	—
2016-53	Rad	ARSL	CAWR-16-104425	10/09/15	Spring 2	—	—
2016-53	Rad	ARSL	CAWR-16-104397	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-53	Rad	ARSL	CAWR-16-104424	10/09/15	Spring 1	—	—
2016-53	Rad	ARSL	CAWR-16-104421	10/09/15	Rio Grande at Otowi Bridge	—	—
2016-57	Inorganic	GELC	CAWR-16-104396	10/14/15	La Mesita Spring	—	—
2016-57	Inorganic	GELC	CAWR-16-104437	10/14/15	La Mesita Spring	—	—
2016-57	Inorganic	GELC	CAWR-16-104440	10/14/15	Sacred Spring	—	—
2016-57	Inorganic	GELC	CAWR-16-104419	10/14/15	La Mesita Spring	—	—
2016-57	Inorganic	GELC	CAWR-16-104422	10/14/15	Sacred Spring	—	—
2016-57	Inorganic	GELC	CAWR-16-104398	10/14/15	La Mesita Spring	—	—
2016-57	Organic	GELC	CAWR-16-104396	10/14/15	La Mesita Spring	—	—
2016-57	Organic	GELC	CAWR-16-104422	10/14/15	Sacred Spring	—	—

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-57	Organic	GELC	CAWR-16-104419	10/14/15	La Mesita Spring	—	—
2016-57	Rad	GELC	CAWR-16-104396	10/14/15	La Mesita Spring	—	—
2016-57	Rad	GELC	CAWR-16-104419	10/14/15	La Mesita Spring	—	—
2016-57	Rad	GELC	CAWR-16-104422	10/14/15	Sacred Spring	—	—
2016-65	Inorganic	GELC	CAWR-16-104430	10/15/15	Spring 4B	—	—
2016-65	Inorganic	GELC	CAWR-16-104448	10/15/15	Spring 4B	—	—
2016-65	Organic	GELC	CAWR-16-104430	10/15/15	Spring 4B	—	—
2016-65	Rad	GELC	CAWR-16-104430	10/15/15	Spring 4B	—	—

[a] Rad = Radiochemistry (not gamma).

[b] ARSL = American Radiation Services, Inc.

[c] — = Not applicable.

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

[e] CFA = Cape Fear Analytical, LLC.